



# Modesto

Call or Text your order to 209-545-1324

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# MODESTO CED IN-STOCK CATALOG



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#### **ALL SPEC SHEETS**

# **HIGHBAYS**

**MFG: KEYSTONE** 

PART NUMBER: : KT-RHLED200PS-14C-8CSB-VDIM-P

**ROUND LED HIGH BAY FIXTURE** 













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Compact Round LED High Bay Fixture | Wet Location Rated

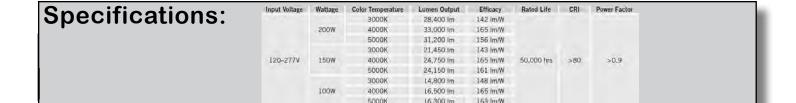
#### **APPLICATION:**

Used for commercial and industrial high bay lighting

# **Spec Sheets:**

# **Spec Sheet Click Here**

See page 64 for Spec Sheet if link doesn't work.



# **HIGHBAYS**

**MFG: KEYSTONE** 

PART NUMBER: : KT-HBLED215PS-2FB-8CSD-VDIM-P

**LED HIGH BAY FIXTURE** 















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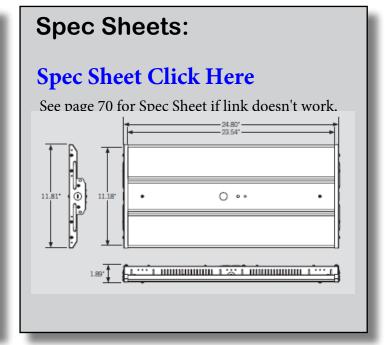
## **Product Features:**

#### **DESCRIPTION**

2' LED High Bay Fixture | 120 – 277V Input | Frosted Lens | 0 –10V Dimming | Premium Series

#### **APPLICATION:**

Used for commercial and industrial high bay lighting applications



#### Specifications: CCT Lumen Output CRI Power Factor Lifetime Input Voltage Wattage Efficacy 18,800 lm 139 lm/W 4000K > 80> 0.9050,000 hrs 120-277V 135W 18,900 lm 140 lm/W 5000K

# **HIGHBAYS**

**MFG: MAXLITE** 

PART NUMBER: : BPHE15DUW40

**Round Eco Pendant High Bay** 





















VOLT





4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

0-10V dimming standard

Power factor >0.9

Voltage: 120-277V, 347-480V

Operating temperature: -40°F to 113°F

**IP65** 

Operating humidity 20% to 80% RH non-condensing

Option for both aluminum and acrylic reflectors

Hook mount standard, accessories for Stem mount and

wall mount available

6' cord (3-wire) standard

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 74 for Spec Sheet if link doesn't work.

The Round Eco Pendant High Bay is a sleek, price-effective lighting solution for warehouses, retail and big box stores, gymnasiums, and other industrial and commercial locations with open ceilings. Compact in design, yet mighty in output and durability, the pendant produces uniform illumination with DLC Premium listed performance that exceeds 130 lm/W in higher output models.

# **Specifications:**

FAMIL'

**BPHE**=Baymax Pendant High Bay Economic

WATTAGE

100= 150= 150W 180=

240=

VOLTAGE
U= 120-277V
H= 347-480V

OPTICS
W=Wide

40 40

**40**= 4000K **50**= 5000K **OPTIONS** 

Blank= No Option

MSV= Bi-Level Sensor

# **VAPOR TIGHT**

**MFG: ORBIT** 

PART NUMBER: : Catalog # VPB2
150W VAPOR PROOF FIXTURE - CEILING MOUNT





4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

Material Die Cast Aluminum with Die

Cast Guard

Socket Premium grade Porcelain socket

-Pulse Rated

Gasket Sealed with High Grade

Weatherproof SIlicone Gasket

Wiring Pre-wired Teflon-jacketed 9"

Pigtail

Lamp type Medium Base E26 Socket Lamp

Not Included, 150W Max.

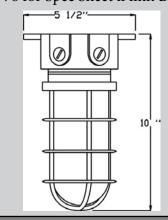
Accessories Silicone Gasket 1/2" NPS Hub

Size Clear Glass Jar

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 78 for Spec Sheet if link doesn't work.



Cat. No.	Finishes	UPC
2		615624374347

# **VAPOR TIGHT**

**MFG: KEYSTONE** 

PART NUMBER: : KT-VTLED44-4A-840-VDIM-P

**VAPOR TIGHT FIXTURE** 













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

4' 44W LED Vapor Tight Fixture | 120 – 277V Input | 0 –10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial and industrial rugged or outdoor applications

# **Spec Sheets:**

# **Spec Sheet Click Here**

See page 80 for Spec Sheet if link doesn't work.



Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-VTLED44-4A-840-VDIM-P	4000K	4 ft.	120-277V	44W	>82.0	5,630 lm	128 lm/W
KT-VTLED44-4A-850-VDIM-P	5000K	4 ft.	120-277V	44W	>82.0	5,720 lm	130 lm/W

# **VAPOR TIGHT**

**MFG: KEYSTONE** 

PART NUMBER: : KT-VTLED90-8A-840-VDIM-P

**VAPOR TIGHT FIXTURE** 













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

# **Product Features:**

#### **DESCRIPTION**

8' 90W LED Vapor Tight Fixture | 120 – 277V Input | 0 –10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial and industrial rugged or outdoor applications

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 83 for Spec Sheet if link doesn't work.



Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-VTLED90-8A-840-VDIM-P	4000K	8 ft.	120-277V	90W	>82.0	11,520	128 lm/W
KT-VTLED90-8A-850-VDIM-P	5000K	8 ft.	120-277V	90W	>82.0	11,700	130 lm/W

# LAMPS (TCP)

MFG: TCP

PART NUMBER: LED HID CORN COB LAMP SERIES

Various MFG Part Numbers - See Spec sheet for details.















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

50,000 hour life minimizes maintenance costs

UL approved for damp locations

360° beam angle for full light distribution

Isolated driver for better heat dissipation and eliminating the need for a ballast
Surge protection - all lamps have 4kV surge protection

Pair with HID Replacement Accessories to add features such as motion sensing, natural light detection, and to connect to an external 0-10, PWM, or resistance dimming system to the Replacements Lamps.

# **Spec Sheets**

## **Spec Sheet Click Here**

See page 86 for Spec Sheet if link doesn't work.

# LAMPS (TCP)

**MFG: KEYSTONE** 

PART NUMBER: KT-LED45HID-H-EX39-850-D

HID REPLACEMENT LED LAMP





4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

# **Product Features:**

#### **DESCRIPTION**

45W HID Replacement LED Lamp | 5000K | 85 CRI | IP64 Rated

#### **APPLICATION**

Replacement for conventional metal halide lamp Ideal for wallpack retrofit applications Optimized for horizontal applications with directional light output from opening LED assembly construction

# **Spec Sheets**

## **Spec Sheet Click Here**

See page 95 for Spec Sheet if link doesn't work.

**LAMP TYPE:** HID Replacement LED **BASE TYPE:** EX39 (Mogul) Rotatable

WATTAGE: 45W

**COLOR TEMPERATURE: 5000K** 

METAL HALIDE EQUIVALENT: 175W

**COLOR RENDERING INDEX (CRI): 85** 

**WARRANTY:** 5 Years

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	45W	>0.9	0.38A @ 120V 0.16A @ 277V

# **AREA LIGHTS**

MFG: KEYSTONE

PART NUMBER: KT-ALED140PS-M1-3-PMA-8XX-VDIM-P

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE





4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

High-Performance Pole-Mount LED Area Light Premium Package | Power Select 140W / 100W / 70W all in one | 120–277V Input | Bronze Housing

#### **APPLICATION**

Pole-mount or structure-mount outdoor illumination needs (including parking lots, auto dealerships, pathways, roadways, recreational venues, and other general area lighting requirements)

# Spec Sheet Click Here See page 99 for Spec Sheet if link doesn't work. PACKACING Carton Quantity 1 piece Carton Dimensions 6.1\*H 17\*W - 24\*L Carton Weight 18 lts



**MFG: KEYSTONE** 

PART NUMBER: KT-FLED15-R1A-UNV-8CSB-VDIM

COMPACT 15W GENERAL-PURPOSE LED FLOOD LIGHT













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Compact 15W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks,

building façades, pathways, parking areas, and other general site lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 106 for Spec Sheet if link doesn't work.

Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
	1920 lm		3000K	128 lm/W			l lei cenel			
15W	2175 lm	0-10V	4000K	145 lm/W	>80	Bronze	Universal: 1/2" Knuckle	120-277V	50,000 hrs	70W MH
	2100 lm		5000K	140 lm/W			or yoke			

**MFG: KEYSTONE** 

PART NUMBER: KT-FLED35-R1A-UNV-8CSB-VDIM

COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Compact 35W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks,

building façades, pathways, parking areas, and other general site lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 112 for Spec Sheet if link doesn't work.

Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
	4480 lm		3000K	128 lm/W			Universal			
35W	5075 lm	0-10V	4000K	145 lm/W	>80	Bronze	Universal: 1/2" Knuckle	120-277V	50,000 hrs	150–175W MH
	4900 lm		5000K	140 lm/W			or yoke			

**MFG: KEYSTONE** 

PART NUMBER: KT-FLED60-R1A-UNV-8CSB-VDIM

COMPACT 60W GENERAL-PURPOSE LED FLOOD LIGHT













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Compact 60W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks,

building façades, pathways, parking areas, and other general site lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 118 for Spec Sheet if link doesn't work.

Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
	7320 lm		3000K	122 lm/W			Universal:			
60W	8580 lm	0-10V	4000K	143 lm/W	>80	Bronze	1/2" Knuckle	120-277V	50,000 hrs	250W MH
	8040 lm		5000K	134 lm/W			or yoke			

**MFG: KEYSTONE** 

PART NUMBER: KT-FLED75-R1A-UNV-8CSB-VDIM

COMPACT 75W GENERAL-PURPOSE LED FLOOD LIGHT















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Compact 75W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks,

building façades, pathways, parking areas, and other general site lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 124 for Spec Sheet if link doesn't work.

Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
	9150 lm		3000K	122 lm/W			Universal:			
75W	10725 lm	0-10V	4000K	143 lm/W	>80	Bronze	2 3/8" Slip fitter	120-277V	50,000 hrs	250-320W MH
	10050 lm		5000K	134 lm/W			or trunnion			

**MFG: KEYSTONE** 

PART NUMBER: KT-FLED100-R1A-UNV-8CSB-VDIM

COMPACT 100W GENERAL-PURPOSE LED FLOOD LIGHT















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### DESCRIPTION

Compact 100W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks,

building façades, pathways, parking areas, and other general site lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 130 for Spec Sheet if link doesn't work.

Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
	12200 lm		3000K	122 lm/W			Universal:			
100W	14300 lm	0-10V	4000K	143 lm/W	>80	Bronze	2 3/8" Slip fitter	120-277V	50,000 hrs	400W MH
	13400 lm		5000K	134 lm/W			or trunnion			

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Traditional 35W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

# **Spec Sheets:**

# **Spec Sheet Click Here**

See page 136 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
	4885 lm	4400 lm		3000K	140 lm/W					
35W	5460 lm	4910 lm	0-10V	4000K	156 lm/W	>80	Bronze	120-277V	50,000 hrs	150W MH
	5010 lm	4505 lm		5000K	143 lm/W					

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED55-M1-8CSB-VDIM

TRADITIONAL 55W NON-CUTOFF LED WALL PACK













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Traditional 55W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 141 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
	7200 lm	6480 lm		3000K	131 lm/W					
55W	7690 lm	6895 lm	0-10V	4000K	140 lm/W	>80	Bronze	120-277V	50,000 hrs	175-250W MH
	7450 lm	6705 lm		5000K	135 lm/W					

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED80-M1-8CSB-VDIM

TRADITIONAL 80W NON-CUTOFF LED WALL PACK













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## **Product Features:**

#### **DESCRIPTION**

Traditional 80W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 146 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	сст*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
	10955 Im	9860 lm		3000K	137 lm/W					
80W	11925 lm	10730 lm	0-10V	4000K	149 lm/W	>80	Bronze	120-277V	50,000 hrs	250-320W MH
	11360 lm	10225 lm		5000K	142 Im/W					

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED120-L1-8CSB-VDIM

TRADITIONAL 120W NON-CUTOFF LED WALL PACK













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Traditional 120W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Large-Size Bronze Housing | Glass Lens

#### APPLICATION

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 151 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	сст*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
	16410 lm	14770 lm		3000K	137 lm/W					
120W	17865 lm	16075 lm	0-10V	4000K	149 lm/W	>80	Bronze	120-277V	50,000 hrs	400W MH
	16900 lm	15210 lm		5000K	141 Im/W					

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED40-M2-8XX-VDIM

ARCHITECTURAL 40W FULL-CUTOFF LED WALL PACK











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## **Product Features:**

#### **DESCRIPTION**

Architectural 40W Full-Cutoff LED Wall Pack | 120–277V Input | 4000–5000K | Medium-Size Bronze Housing | Wide Optic Lens

#### APPLICATION

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 156 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	ССТ	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
40W	5000 lm	4965 lm	0-10V	4000K	125 lm/W	>80	Duamen	120-277V	50,000 hrs	175W MH
4000	5200 lm	5160 lm	0-100	5000K	130 lm/W	>60	Bronze	120-2//V	50,000 nrs	1/5W MIT

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED60-M2-8XX-VDIM

ARCHITECTURAL 60W FULL-CUTOFF LED WALL PACK











4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Architectural 60W Full-Cutoff LED Wall Pack | 120–277V Input | 4000–5000K | Medium-Size Bronze Housing | Wide Optic Lens

#### APPLICATION

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 161 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	ССТ	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
60W	7500 lm	7445 lm	0-10V	4000K	125 lm/W	>80	Bronze	120-277V	50.000 hrs	250W MH
OUW	7800 lm	7745 lm	0-100	5000K	130 lm/W	>00	bronze	120-2//V	50,000 nrs	250W WIT

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED100-M2-8XX-VDIM

ARCHITECTURAL 100W FULL-CUTOFF LED WALL PACK











4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Architectural 100W Full-Cutoff LED Wall Pack | 120–277V Input | 4000–5000K | Medium-Size Bronze Housing | Wide Optic Lens

#### APPLICATION

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 166 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	сст	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
100W	12500 lm	12410 lm	0-10V	4000K	125 lm/W	>80	Bronze	120-277V	50.000 hrs	400W MH
10000	13000 lm	12900 lm	0-100	5000K	130 lm/W	>00	bronze	120-2//	50,000 nrs	400W WIT

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED20-S1-8XX-VDIM

**SMALL 20W NON-CUTOFF LED WALL PACK** 













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Small 20W Non-Cutoff LED Wall Pack | 120–277V Input |

3000–5000K | Low Profile Bronze Housing |

Impact Resistant Lens

#### **APPLICATION**

Building Mount for exterior illumination (entryways, pathways, stairwells, security, and other general site lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 171 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
20W	2500 lm	2250 lm	0-10V	4000K	125 lm/W	>80	Bronze	120-277V	50,000 hrs	50-70W MH
2000	2500 1111	2230 1111	0-104	5000K	123 1111/44	>00	bronze	120-2//	50,000 1115	30-70W WITT

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED20-S1-8CSB-VDIM

**SMALL 20W NON-CUTOFF LED WALL PACK** 















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Small 20W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Low Profile Bronze Housing | Impact Resistant Lens

#### **APPLICATION**

Building Mount for exterior illumination (entryways, pathways, stairwells, security, and other general site lighting requirements)

# **Spec Sheets:**

## **Spec Sheet Click Here**

See page 176 for Spec Sheet if link doesn't work.

Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
	2600 lm	2340 lm		3000K	130 lm/W					
20W	2700 lm	2430 lm	0-10V	4000K	135 lm/W	>80	Bronze	120-277V	50,000 hrs	50-70W MH
	2500 lm	2250 lm		5000K	125 lm/W					

**MFG: KEYSTONE** 

PART NUMBER: KT-WPLED20-S1-8CSB-VDIM-B

**SMALL 20W NON-CUTOFF LED WALL PACK** 















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

Small 20W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Low Profile Black Housing | Impact Resistant Lens

#### **APPLICATION**

Building Mount for exterior illumination (entryways, pathways, stairwells, security, and other general site lighting requirements)

# **Spec Sheets:**

## Spec Sheet Click Here

See page 181 for Spec Sheet if link doesn't work.

2600 lm 2340 lm 3000K 130 lm/W 20W 2700 lm 2430 lm 0–10V 4000K 135 lm/W >80 Black 120–277V 50,000 hrs 50–70W MH	Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
		2600 lm	2340 lm		3000K	130 lm/W					
05001 00501 50000 1051 40	20W	2700 lm	2430 lm	0-10V	4000K	135 lm/W	>80	Black	120-277V	50,000 hrs	50-70W MH
2500 Im		2500 lm	2250 lm		5000K	125 lm/W					

**MFG: NORA LIGHTING** 

PART NUMBER: NOXTW-5632WW

**ROUND BAFFLE WHITE/WHITE FLANGE** 





















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

## **Product Features:**

#### **DESCRIPTION**

5"/6" Onyx Tunable White Retrofit Series include an integral tunable CCT switch. Spun aluminum construction provides clean sharp edges and is suitable for use with most 5" and 6" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

#### **APPLICATION**

Reflector: One piece, spun aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

## **Spec Sheets:**

## **Spec Sheet Click Here**

See page 186 for Spec Sheet if link doesn't work.

# **Specifications:**

#### 5"/6" Onyx Tunable White LED Retrofit

Trim Type

NOXTW-5631 = Round Reflector NOXTW-5632 = Round Baffle Color Temperature

Selectable CCT

(2700K / 3000K / 3500K / 4000K / 5000K)

Finish

BB = Black / Black Flange (NOXTW-5631 only) WW

**MFG: NORA LIGHTING** 

PART NUMBER: NHIC-6LMRAT

6" IC AIR-TIGHT LED DEDICATED NEW CONSTRUCTION HOUSING, 120/277V INPUT

















#### **Product Features:**

#### **DESCRIPTION**

Dedicated new construction housing for use in insulated ceilings can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling. The housing is dedicated and labeled for use with LED retrofit luminaires.

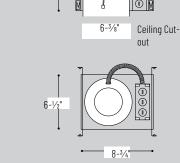
#### **APPLICATION**

IC Air-Tight energy saving by reducing the flow of air through the ceiling. Rated for direct contact with insulation. cULus listed for damp location and through branch circuit wiring

# **Spec Sheets:**

## Spec Sheet Click Here

See page 190 for Spec Sheet if link doesn't work.



## **Specifications:**

NHIC-6LMRAT = 6" IC Air-Tight Housing, 120/277V input (120V Triac/ELV dimming)

NHIC-6LMRAT/277 = 6" IC Air-Tight Housing, 277V input with 50W Step Down Transformer

NHIC-6LMRAT/EM = 6" IC Air-Tight Housing with Emergency Battery and Remote Test Switch, 120/277V input (Cobalt only - EM required)

NHIC-6LMRAT/277EM = 6" IC Air-Tight Housing with Emergency Battery and Remote Test Switch, 277V input with 50W Step Down Transformer (Cobalt only - EM required)

NHIC-6LMRAT/4W = 6" IC Air-Tight Housing, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4 required)

NHIC-6LMRAT/6WEM = 6" IC Air-Tight Housing with Emergency Battery and Remote Test Switch, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4EM required)

**MFG: NORA LIGHTING** 

**PART NUMBER: NLCBC-651 Series** 

**6" COBALT RETROFIT REFLECTORS** 





4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324











## **Product Features:**

#### **DESCRIPTION**

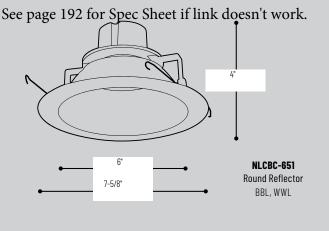
Cobalt retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 6" retrofit luminaires produces 750 lumen output at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

#### APPLICATION

Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output.

# Spec Sheets:

Spec Sheet Click Here



# **Specifications:**

#### **6" Cobalt Retrofit Reflectors**

Reflector Type Color Temp. / Finish

NLCBC-651 = Round Reflector

30BBL = 3000K, Black Reflector / Black Flange
35WWL = 3500K, White Reflector / White Flange

MFG: HALO BY COOPER LIGHTING

**PART NUMBER: E750ICAT** 

6" NEW CONSTRUCTION LED RECESSED HOUSING ICAT NEW HOUSING



FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION

20W MAXIMUM



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# **Product Features:**

#### **DESCRIPTION**

Recessed 6" aperture new construction housing for use with LED integrated trims or modules. Suitable for 2x8 residential framing or commercial plenum construction, type IC rated and can be used in direct contact with insulation\*.

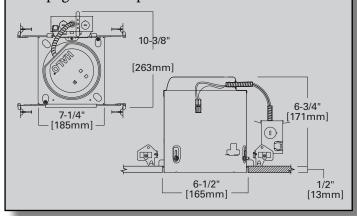
#### **APPLICATION**

Single wall precision rolled aluminum housing with interlocking construction maintains concentricity

## **Spec Sheets:**

## Spec Sheet Click Here

See page 194 for Spec Sheet if link doesn't work.



# Specifications:

Housing

E750ICAT= 6" new construction housing for LED integrated trims or modules

MFG: HALO BY COOPER LIGHTING

**PART NUMBER: H750ICAT** 

6" NEW CONSTRUCTION LED IC AIR-TITE HOUSING ICAT NEW HOUSING



FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION

**High Efficacy LED Housing** 



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324















#### **Product Features:**

#### **DESCRIPTION**

The H750ICAT is a dedicated LED new construction housing to be used with designated HALO LED modules. The H750ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation\*.

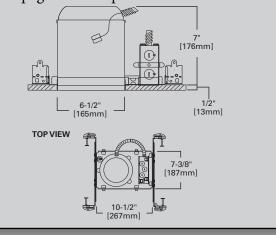
#### **APPLICATION**

Aluminum construction for greater heat dissipation. H750 ICAT housing is gasketed to prevent airflow from heated or air conditioned spaces.

## **Spec Sheets:**

## Spec Sheet Click Here

See page 197 for Spec Sheet if link doesn't work.



# Specifications:

Housing

H750ICAT= 6" Aperture, New Construction, IC AIR-TITE™, High Efficacy LED Housing

MFG: HALO BY COOPER LIGHTING

**PART NUMBER: H995ICAT** 

4" NEW CONSTRUCTION LED IC AIR-TITE RECESSED HOUSING ICAT NEW HOUSING:



FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION

ALSO SUITABLE FOR NON-IC CEILINGS

**High Efficacy LED Housing** 



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324







#### **Product Features:**

#### **DESCRIPTION**

The H995ICAT is a dedicated LED small aperture IC AIR-TITE™ housing for use with compatible Halo 4-Inch LED modules.

It is designed for use in insulated ceilings where it will be in direct contact with insulation\*.

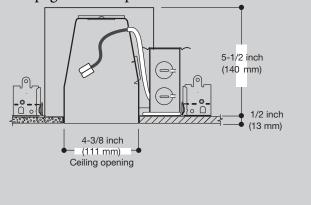
#### **APPLICATION**

Double wall aluminum construction helps dissipate heat. The inner housing can be adjusted in the plaster frame to compensate for different ceiling materials.

# **Spec Sheets:**

## Spec Sheet Click Here

See page 200 for Spec Sheet if link doesn't work.



# Specifications:

Housing

H995ICAT = 4" IC, Air-Tite, New Construction, LED Housing

MFG: HALO BY COOPER LIGHTING

**PART NUMBER: H750RICAT** 

6" REMODEL LED IC AIR-TITE HOUSING ICAT REMODEL HOUSING



FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION

TO BE INSTALLED FROM BELOW THE CEILING

**High Efficacy LED Housing** 



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324















## **Product Features:**

#### **DESCRIPTION**

The H750RICAT is a dedicated LED Remodel housing to be used with designated Halo LED modules. The H750RICAT is designed for remodel applications in insulated ceilings and can be in direct contact with ceiling insulation\*.

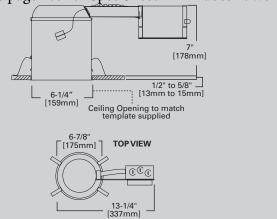
#### **APPLICATION**

Accepts a wider range of non-metallic sheathed cable types used in lighting.

# **Spec Sheets:**

## Spec Sheet Click Here

See page 203 for Spec Sheet if link doesn't work.



# Specifications:

Housing

H750RICAT= 6" Aperture, Remodel, IC AIR-TITE™, High Efficacy LED Housing

MFG: HALO BY COOPER LIGHTING

**PART NUMBER: H995RICAT** 

4" REMODEL LED IC AIR-TITE RECESSED HOUSING ICAT REMODEL HOUSING:



FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION

ALSO SUITABLE FOR NON-IC CEILINGS

**High Efficacy LED Housing** 



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## **Product Features:**

#### **DESCRIPTION**

The Halo H995RICAT is a dedicated LED remodel small aperture IC AIR-TITE housing for use with compatible Halo 4-Inch LED modules. It is designed for installation into existing insulated ceilings where it will be in direct contact with insulation\*.

#### **APPLICATION**

Single wall formed aluminum construction.

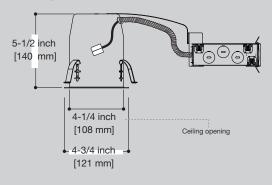
Openings are gasketed for AIR-TITE installation. 5
1/2" height allows use in shallow joist construction.

AIR-TITE aperture gasket is pre-installed.

## **Spec Sheets:**

#### Spec Sheet Click Here

See page 206 for Spec Sheet if link doesn't work.



# **Specifications:**

Housing

H995RICAT = 4" IC, Air-Tite, LED Housing

MFG: HALO BY COOPER LIGHTING

PART NUMBER: LT460 WH6930RCA

4" ALL PURPOSE LED INTEGRATED TRIM MODULES LT4 LED SYSTEM 90 CRI











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## **Product Features:**

#### **DESCRIPTION**

ENERGY STAR® Certified

Retrofits existing 4" housings with screwbase adapter. Use with Halo 4" housings - new construction and remodel.

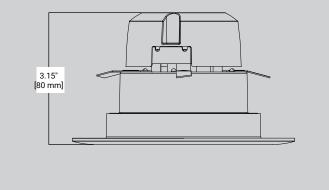
#### **APPLICATION**

4" All-purpose LED integrated trim modules 600 Lumen Series 90 CRI

# **Spec Sheets:**

## Spec Sheet Click Here

See page 209 for Spec Sheet if link doesn't work.



Module	Finish	Lumens	CRI/CCT	Accessories	
LT460 = 4" integrated LED trim	WH = matte white	6 = 600 lumen series (nominal). See table below for details.	927 = 90 CRI (minimum), 2700K CCT 930 = 90 CRI (minimum), 3000K CCT 935 = 90 CRI (minimum), 3500K CCT 940 = 90 CRI (minimum), 4000K CCT 950 = 90 CRI (minimum), 5000K CCT	R = Recyclable	-CA = California

MFG: HALO BY COOPER LIGHTING

PART NUMBER: LT560WH693D

5/6 INCH LED RECESSED RETROFIT MODULE-TRIM LT560 LED HIGH LUMEN SERIES



FOR USE IN INSULATED CEILINGSAND NON-INSULATED CEILING RATED HOUSINGS

HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE



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## **Product Features:**

#### **DESCRIPTION**

Module construction includes LED, heat sing, reflector, lens, baffle and trim ring.

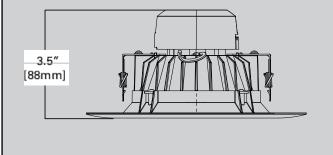
#### **APPLICATION**

Torsion springs are pre-installed and adjust to fit 5" and 6" compatible housings.

# **Spec Sheets:**

## Spec Sheet Click Here

See page 214 for Spec Sheet if link doesn't work.



# **Specifications:**

ompatible Halo LED Housings

HALO LED

Recessed Can Size

Catalog Number

5"

H550ICAT, H550ICAT, E550ICAT, E550ICAT, H5ICAT, H5ICAT, H5ICAT, H5ICAT, E5ICAT, E5ICATNB, E5RICAT

H750ICAT, H750ICAT, H750RICAT, H2750ICAT, E750ICAT, E750RICAT, H7ICAT, H7RICAT, H7RICAT, E7ICAT, E7RIAT

5" and 6" compatible housing ordered sperately.

#### **CANS AND TRIMS**

MFG: HALO BY COOPER LIGHTING

PART NUMBER: RA56069S1EWH

5-INCH/6-INCH LED ALL PURPOSE LED RETROFIT MODULE WITH SeleCCTable SWITCH



FOR USE IN INSULATED CEILINGSAND NON-INSULATED CEILING RATED HOUSINGS

HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE















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#### **Product Features: DESCRIPTION**

The Halo RA56 SeleCCTable LED Adjustable Gimbal is a complete LED Baffle-Trim Module for 5-Inch, or 6-Inch aperture recessed downlights. It is suitable for new construction, remodel and retrofit installation.

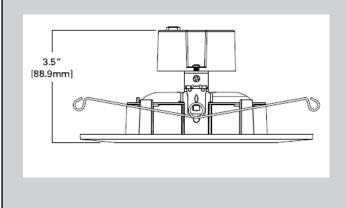
#### **APPLICATION**

Torsion springs are pre-installed and adjust to fit 5" and 6" compatible housings.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 217 for Spec Sheet if link doesn't work.



Ī	Models	Lumens	CRI/CCT	Driver	Finish
	RA56= 5*/6* LED Adjustable Gimbal	06=600 lumens (nominal)	<b>9S</b> =90 CRI minimum, white tuning, selectable CCT 2700K-5000K	1E=120V 60Hz leading or trailing edge phase cut 1% dimming	WH=Matte white baffle

#### **CANS AND TRIMS**

MFG: HALO BY COOPER LIGHTING

PART NUMBER: RL56069S1EWH (600 LUMENS)

5-INCH/6-INCH LED ALL PURPOSE LED RETROFIT MODULE WITH SeleCCTable SWITCH



LUMENS: 600, 900, 1200

USE WITH 5" OR 6"
HOUSINGS WITH
SCREWBASE
ADAPTER INCLUDED















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#### **Product Features: DESCRIPTION**

Mid power LED array provides a uniform source with high effeciency and no pixilation. Module construction includes LED array, heat sink, reflector, lens, vaffle, and trim ring. Regressed baffle.

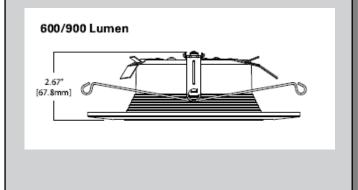
#### **APPLICATION**

Dual -mount: Torsion Spring and Push-N-Twist clip models.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 221 for Spec Sheet if link doesn't work.



Models	Lumens	CRI/CCT	Driver	Finish	Packaging	T20 Compliant
LED module	06 = 600 lumens (nominal) 09 = 900 lumens (nominal) 12 = 1200 lumens (nominal)	9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K	1E = 120V 60Hz leading or trailing edge phase cut 1% dimming	WH = Matte white baffle	R = Recyclable	-CA

#### **CANS AND TRIMS**

#### MFG: HALO BY COOPER LIGHTING

PART NUMBER: RL6069S1EWHDM (600 LUMEN SERIES)

6-INCH LED ALL PURPOSE LED RETROFIT MODULE WITH SeleCCTable SWITCH



FOR USE IN
INSULATED
CEILINGSAND
NONINSULATED
CEILING RATED
HOUSINGS



















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#### **Product Features:**

**DESCRIPTION** The Halo RL6 Direct Mount is a SeleCCTable complete LED Baffle-Trim Module for 6 inch aperture applications, all without the need for a recessed housing; suitable for new construction, remodel, and retrofit installation.

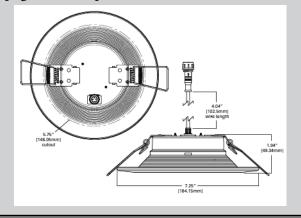
#### **APPLICATION**

Can be installed in 1/2" to 1-1/4" ceilings. Cutout can utilize standard round hole saw sizes, cutout template provided.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 227 for Spec Sheet if link doesn't work.



Madels	Lumens	CRI/CCT	Driver	Pm/s/r	Mounting	Packaging
RL6= 6' All-Purpose Retrofit LED module	06 = 600 lumens (nominal)	9S = 90 CRI minimum, white funing, selectable CCT 2700K-5000K	1E = 120V 60Hz leading or trailing edge phase cut 5% dimming	WH = Matte white baffle	DM = Direct Mount	R = recyclable 4-color unit carton suitable for point of purchase merchandising display

#### LED SURFACE MOUNT

**MFG: NORA LIGHTING** 

PART NUMBER: NL0PAC-R6509T24

**AC OPAL LED SERIES LED FIXTURE** 



AC LED (NO DRIVER)

DIMMABLE

MOUNT ON STANDARD 4" JUNCTION BOX



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

















#### **Product Features:**

#### DESCRIPTION

The AC Opal LED Series LED fixture is designed to surface mount over a standard junction box. The low profile dimmable luminaire produces even illumination and is cULus listed for wet locations.

#### **APPLICATION**

AC Opal (no driver) is flat on the back and suitable for installation on most 4" octagon boxes or 4/0 plaster ring. Luminaires can be installed in covered ceiling and wall mount.

# Spec Sheet Click Here See page 232 for Spec Sheet if link doesn't work.

#### **Specifications:**

Lumens / Wattage	Color Temperature	Finish
NLOPAC-R6509T24 = 1150lm / 16.5W	<b>27</b> = 2700K	BZ = Bronze
	<b>30</b> = 3000K	MM = Natural Meta
	<b>40</b> = 4000K	■ W = White
	<b>50</b> = 5000K (white finish o	only)

NLOPAC-4BKT-2

#### LED SURFACE MOUNT

**MFG: KEYSTONE** 

PART NUMBER: KT-CBLED38-24A-840-VDIM-P

**CENTER BASKET FIXTURE** 













4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

 $2' \times 4'$  38W LED Center Basket Fixture | 120 – 277V Input | 0 –10V Dimming | Premium Series

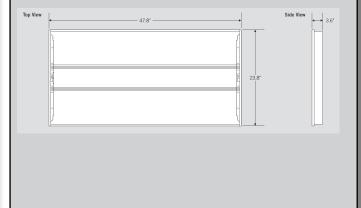
#### **APPLICATION**

Used for commercial recessed ceiling applications

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 235 for Spec Sheet if link doesn't work.



•							
Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-CBLED38-24A-835-VDIM-P	3500K	2 ft. × 4 ft.	120-277V	38W	>82.0	4,720 lm	124 lm/W
KT-CBLED38-24A-840-VDIM-P	4000K	2 ft. × 4 ft.	120-277V	38W	>82.0	4,790 lm	126 lm/W
KT-CBLED38-24A-850-VDIM-P	5000K	2 ft. × 4 ft.	120-277V	38W	>82.0	4,825 lm	128 lm/W

**MFG: ORBIT LIGHTING** 

PART NUMBER: ESI R OR G (RED OR GREEN)

SELF-ILLUMINATING LOW-LEVEL EXIT SIGN





4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

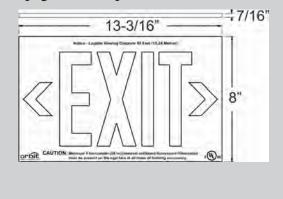
Non-Electrical minimum 5 Foot-Candles (54 Lux) external unfiltered Fluorescent

**APPLICATION** 

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 238 for Spec Sheet if link doesn't work.





MFG: MULE LIGHTING

PART NUMBER: AL UG WW OR AL UR WW (RED OR GREEN)

LED-ILLUMINATING LOW-LEVEL EXIT SIGN



LED LIGHTS



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

The Alliance is a thermoplastic, compact exit and emergency unit that features a unique illumination package. Housed in the bottom of the exit is a high output LED engine that is mated to an adjustable metallized reflector that provides optimal light distrubution.

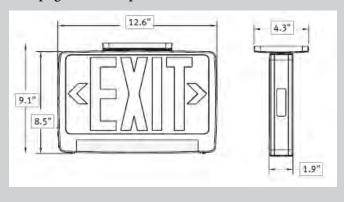
#### **APPLICATION**

The Alliance is desgined for survace wall or ceiling installations. Suitable for indoor/damp location environments.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 240 for Spec Sheet if link doesn't work.



MODEL	# OF FACES	LETTER COLOR	HOUSING COLOR	OPTIONS
AL	U = Universal	R = Red	WW = All White	SD = Self-Diagnostics
_	Single/Double Face	G = Green	BB = All Black	REM = Remote Capable

MFG: MULE LIGHTING

PART NUMBER: ASRLED-1-WP (SINGLE LED REMOTE O/D)

SINGLE LED REMOTE OUTDOOR



**OUTDOOR REMOTE HEAD** 



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

Each lamp contains 12 long-life, efficient ultra bright white LED's.

Available in Single or Double head configurations.

#### **APPLICATION**

Indoor or Outdoor ratings available.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 242 for Spec Sheet if link doesn't work.

MODEL	# OF FACES	LETTER COLOR	HOUSING COLOR	OPTIONS
AL	U = Universal	R = Red	WW = All White	SD = Self-Diagnostics
	Single/Double Face	G = Green	BB = All Black	REM = Remote Capable

MFG: MULE LIGHTING

PART NUMBER: ASRLED1WP

**REMOTE LED LAMP HEADS** 

#### White



R-ASRLED-1-WP-W
LOW COST - EASY INSTALLATION
UL LISTED FOR WET LOCATIONS



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

R-ASRLED-1-WP Series remote lamp heads combine the efficiency and reliability of LED illumination with rugged construction suitable for wet locations.

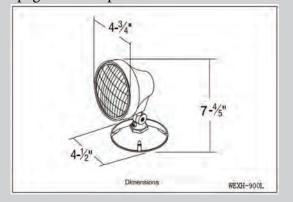
#### **APPLICATION**

For use with standard 4" j-box

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 245 for Spec Sheet if link doesn't work.



#### **Specifications:**

Models

R-ASRLED-1-WP (Single Head)

W= White

MFG: MULE LIGHTING

PART NUMBER: MAKO-LED-ACEM-DB

**ACEM GENERAL AND EMERGENCY LIGHTING** 



DIE CAST ALUMINUM HOUSING



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

An indoor/outdoor architecturally styled high performance LED Luminaire available with 'normally-on" operation powered by line voltage, emergency operation powered by a Nickel-Cadmium battery sources or a combination of both.

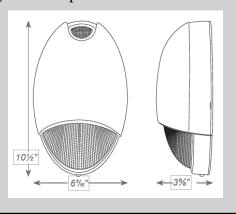
#### **APPLICATION**

Suitable for indoor or outdoor wall mounting on junction box, or with surface conduit using the supplied 1/2" threaded top access.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 248 for Spec Sheet if link doesn't work.



model	operation mode	housing color	options
MAKO-LED	ACEM = General & Emergency Lighting	DB = Dark Bronze	IH = Internal Battery Heater

MFG: SURE-LITES BY COOPER LIGHTING

PART NUMBER: APCH7G (GREEN) OR APCH7R (RED)

POLYCARBONATE EXIT AC ONLY SELF POWERED EMERGENCY LED LAMPS



APC/APCH SERIES



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

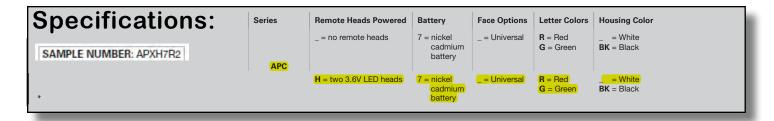
#### **DESCRIPTION**

The LED APC series is UL924 code compliant solution for indoor exit and emergency requirements that will operate for a minimum of 90 minutes during a power outage. The LED emergency heads are adjustable, can be side or top mounted and will provide 17 feet of emergency egress coverage.

#### **APPLICATION**

The polycarbonate housing is universal mount (ceiling, wall or end) and available in a white or black finish.

# 



# MFG: SURE-LITES BY COOPER LIGHTING PART NUMBER: APEL EMERGENCY LIGHT

SEALED NICKEL CADMIUM BATTERY EMERGENCY LIGHTING LED



APEL SERIES



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

The APEL is an UL 924 listed emergency light with a minimum of 90 minutes of run time and 17 feet of emergency egress coverage. Key features include LED heads, a no maintenance nickel cadmium battery and a five year fixture warranty.

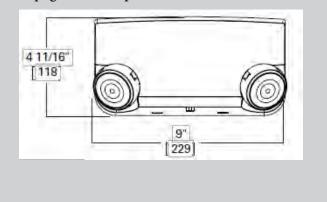
#### **APPLICATION**

The universal j-box mounting pattern and snap fit housing construction significantly reduce installation time.

#### Spec Sheets:

#### Spec Sheet Click Here

See page 254 for Spec Sheet if link doesn't work.



# Specifications: Series Battery Remote Heads Powered Housing Color APEL = Nickel cadmium battery - No 3.6 V LED heads Two 3.6 V LED heads BK = Black

MFG: SURE-LITES BY COOPER LIGHTING PART

**NUMBER: APWR2** 

REMOTE HEADS LED EMERGENCY HEADS WET LOCATION LISTED



APWR SERIES



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324









#### **Product Features:**

#### **DESCRIPTION**

3.6V, .78W DC long lasting LED heads Lamp heads adjust 80° from vertical with 358° rotation

Universal mounting plate

Flame-resistant and impact-resistant Injection-molded thermoplastic material

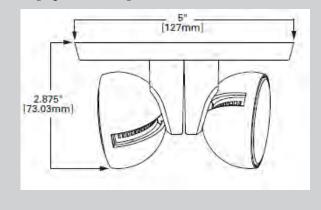
#### **APPLICATION**

Remote Heads LED Emergency Heads Wet Location Listed

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 257 for Spec Sheet if link doesn't work.



Specifications:
-----------------

\*

MFG: SURE-LITES BY COOPER LIGHTING

PART NUMBER: APX7G (GREEN) OR APX7R (RED)

THERMOPLASTIC EXIT AC ONLY SELF POWERED EMERGENCY LED LAMPS



APX SERIES



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

Long-life LED lamps provide uniform diffused illumination

Dual voltage input 120/277 VAC, 60Hz Battery (APX7) – sealed nickel cadmium 90 minute run time for self-powered versions if power is lost

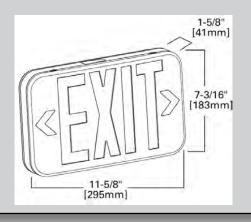
#### **APPLICATION**

Universal J-box mounting pattern Thermoplastic housing

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 260 for Spec Sheet if link doesn't work.



Series	Battery	Face Options	Letter Colors	Housing Color
APX	6 = no battery (AC only) 7 = nickel cadmium battery	_ = Universal	R = Red G = Green	_ = White BK = Black

#### **FLAT PANELS**

**MFG: NORA LIGHTING** 

PART NUMBER: NPDBL-E24/334W

LED BACKLIT PANELS





4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324











#### **Product Features:**

#### **DESCRIPTION**

LED Backlit can be utilized in offices, conference rooms, libraries and other tasks areas where general illumination is desired. The white diffused lens optimizes output while diffusing LED diode image.

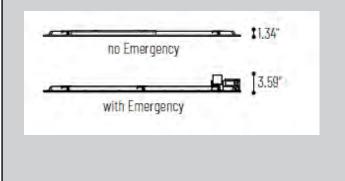
#### APPLICATION

An array of LEDs are mounted on the back of aluminum frame. White opalescent diffused lens optimizes output while reducing LED diode image. The construction seals the conditioned air from the plenum or non-conditioned air, eliminates bugs or dirt getting to top of lens for savings on maintenance cost.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 263 for Spec Sheet if link doesn't work.



#### **Specifications:**

NPDBL-E22 = 2' x 2' / 3500lm / 30W NPDBL-E14 = 1' x 4' / 3500lm / 30W NPDBL-E24 = 2' x 4' / 5600lm / 45W

Size / Lumens / Wattage

Color Temperature

Finish

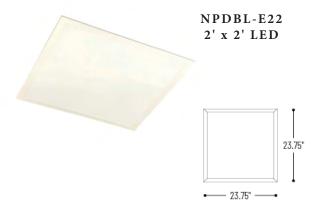
/334 = Tunable White 3000K / 3500K / 4000K **W** = White

#### FLAT PANELS

**MFG: NORA LIGHTING** 

PART NUMBER: NPDBL-E22/334W

LED BACKLIT PANELS





4212 Bangs Ave. Modesto, CA **Call or Text** 209-545-1324













#### **Product Features:**

#### **DESCRIPTION**

LED Backlit can be utilized in offices, conference rooms, libraries and other tasks areas where general illumination is desired. The white diffused lens optimizes output while diffusing LED diode image.

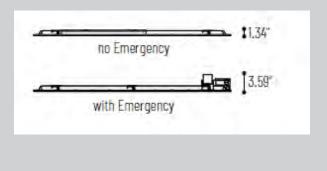
#### APPLICATION

An array of LEDs are mounted on the back of aluminum frame. White opalescent diffused lens optimizes output while reducing LED diode image. The construction seals the conditioned air from the plenum or non-conditioned air, eliminates bugs or dirt getting to top of lens for savings on maintenance cost.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 266 for Spec Sheet if link doesn't work.



#### Specifications: Size / Lumens / Wattage Color Temperature /334 = Tunable White **NPDBL-E22** = $2' \times 2' / 3500 \text{Im} / 30 \text{W}$

NPDBL-E14 = 1' x 4' / 3500lm / 30W 3000K / 3500K / 4000K **NPDBL-E24** =  $2' \times 4' / 5600 \text{Im} / 45 \text{W}$ 

Finish

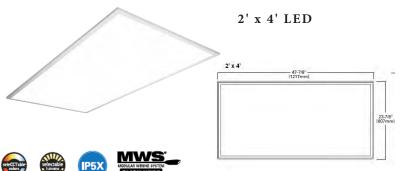
W = White

#### **FLAT PANELS**

MFG: METALUX BY COOPER LIGHTING

PART NUMBER: 22FPSL2SCT3 (2 x 2) 24FPSL2SCT3 (2 x 4)

LED FLAT PANEL WITH SELECTABLE LUMENS AND CCT





















4212 Bangs Ave. Modesto, CA **Call or Text** 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

Ultra-thin approx. 2 inch height fits in shallow plenums with room to spare

Simple switch to adjust lumens, watts and CCT on site as desired

Switch tamper cover included

Projected lumen maintenance based on TM21 testing standards is L87 > 60,000 hours

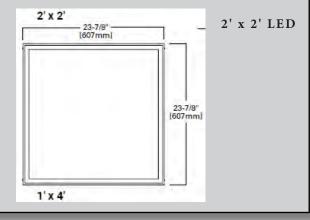
#### **APPLICATION**

1x4, 2x2, and 2x4 sizes available, all rated for direct insulation contact (IC rated)

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 269 for Spec Sheet if link doesn't work.



#### **Specifications:**

	4000K	3180lm 117LPW	4620lm 115LPW	6300lm 112LPW
24FPSL2SCT3	3500K	27.2W 3150lm 116LPW	40.2W 4550lm 113LPW	56.3W 6250lm 111LPW
	3000K	27.2W 3100lm	40.2W 4500lm	56.3W 6200lm

27.2W | 40.2W | 56.3W

	4000K	1750lm 175LPW	2460lm 114LPW	3500lm 113LPW
22FPSL2SCT3	3500K	15.2W 1720lm 113LPW	21.6W 2420lm 112LPW	31W 3440lm 111LPW
	3000K	15.2W 1700lm 112LPW	21.6W 2400lm 111LPW	31W 3400lm 110LPW

#### WRAP AROUND FIXTURES

**MFG: SYLVANIA** 

PART NUMBER: LED-WIDEWRAP-48UNIV8C2WAMSP

**VALUE-LED WIDE SELECTABLE WRAP** 















4212 Bangs Ave. Modesto, CA **Call or Text** 209-545-1324

Height

(in)

#### **Product Features:**

#### **DESCRIPTION**

The SYLVANIA ValueLED Wide Selectable Wrap maximizes the energy savings of LED technology by also adding an integrated motion sensor. The wide body wrap provides an ample light distribution, and offers 3 color temperatures in one.

#### **APPLICATION**

Wrap Luminaire is ideal in many retail, office, education, and low-bay applications.

#### **Spec Sheets:**

Length

(in)

#### Spec Sheet Click Here

See page 275 for Spec Sheet if link doesn't work.

Width

(in)

4	A	-
) B @		
/ 11		

Power (W)	Base Type	Replaces	Input Voltage (V)	Average Life (hrs)	ССТ	Case Qty	Typical Lumens (lm)	CRI	Power Factor	Bulb Finish	DLC	T20	T24
48W	Hardwire	56W	120-277V	50,000	3000K 4000K 5000K	8	5500	>80	>90%	Frosted	Yes	No	No

#### WRAP AROUND FIXTURES

MFG: METALUX BY COOPER LIGHTING

PART NUMBER: 4WP3040C

4 ' LED UTILITY WRAP LIGHT



















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

Ideal for replacing single or two lamp fluorescent wraparounds

Efficacy up to 115 lm/W saves up to 40% over fluorescent wraps

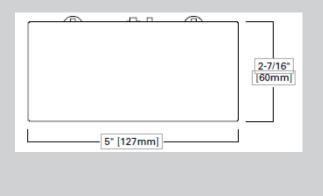
#### **APPLICATION**

Commercial • Educational • Residential • Corridor • Stairway
Multi-Use or Utility Application

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 279 for Spec Sheet if link doesn't work.



2WP1540C	080083858385	4000	80	1788	15.8	113	Non-Dimming	0.13	0.06
4WP3040C	080083858361	4000	80	3588	31.4	114	Non-Dimming	0.26	0.126

#### WRAP AROUND FIXTURES

**MFG: KEYSTONE** 

PART NUMBER: KT-WLED33-4-840-VDIM-P

**LED WRAP FIXTURE** 













#### **Product Features:**

#### **DESCRIPTION**

LED wrap fixtur

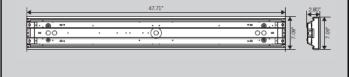
#### **APPLICATION**

Used for commercial, retail, and residential wrap applications

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 283 for Spec Sheet if link doesn't work.



Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-WLED33-4-835-VDIM-P	3500K	4"	120-277V	33W	80	4,220	128 lm/W
KT-WLED33-4-840-VDIM-P	4000K	4"	120-277V	33W	80	4,257	129 lm/W
KT-WLED33-4-850-VDIM-P	5000K	4"	120-277V	33W	80	4,290	130 lm/W

#### **DUSK TO DAWN**

MFG: LUMARK BY COOPER LIGHTING

PART NUMBER: CTKRV3B SR CARETAKER

**SOLID STATE LED** 



#### **CTKR** CARETAKER LED



4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324







#### **Product Features:**

#### DESCRIPTION

The Caretaker™ LED area luminaire incorporates durability, long life, and unmatched performance in a package that is ideal for a wide variety of applications.

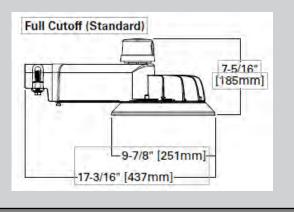
#### **APPLICATION**

The unique universal mounting bracket allows quick and easy installation whether it is wall mounted security lighting, residential street lighting, perimeter area lighting,

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 286 for Spec Sheet if link doesn't work.



#### **Specifications:**

Stock Number

CTKRV1B=Caretaker 29W, 4500lm, UNV, Dimming, Photocontrol CTKRV2B=Caretaker 50W, 7100lm, UNV, Dimming, Photocontrol CTKRV3B=Caretaker 71W, 9700lm, UNV, Dimming, Photocontrol

Accessories (Order Separately)

#### SR-CARETAKER=Small Acrylic Refractor

RMARROA5=ANSI/NEMA Acrylic Refractor Assembly DS-HSS-CRTK2=Drop Shield House Side Shield OA/ RA1013=Shorting Cap

MFG: METALUX BY COOPER LIGHTING PART NUMBER: 4SLSTP4040DD-UNV

LENSED LED STRIPLIGHT



SLSTP LENSED STRIPLIGHT

















4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

From 2400 lumens to 5800 lumens for a 4 foot strip 8ft. 4ft. and 2ft. Lengths with single lens (no tandem) to address any application Up to 125 LPW and DLC compliant to enable rebates and energy savings

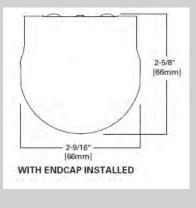
#### **APPLICATION**

Fixture channel offers all of the features needed for installation including multiple KO, a round J-box cover, wiring connectors and decorative end caps.

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 289 for Spec Sheet if link doesn't work.



Catalog #	UPC	Length	CCT (K)	Delivered Lumens	Watts	Efficacy (lm/W)	Controls	120V	277V
4SLSTP4040DD-UNV	080083705825	4	4000	4760	44	109	0-10V Dim to 10%	0.36	0.16

**MFG: KEYSTONE** 

PART NUMBER: KT-MSLED19-2-840-VDIM-P

LED MICROSTRIP FIXTURE













#### **Product Features:**

#### **DESCRIPTION**

2' 19W LED Microstrip Fixture | 120 – 277V Input | Frosted Lens | 0 –10V Dimming | Premium Series

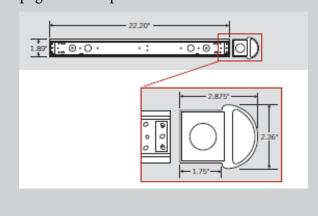
#### **APPLICATION**

Used for commercial, retail, and residential strip applications

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 294 for Spec Sheet if link doesn't work.



Order Code	Packaging Style	Pack Quantity	Item Status
KT-MSLED19-2-835-VDIM-P	Carton Pack	1	Active
KT-MSLED19-2-840-VDIM-P	Carton Pack	1	Active
KT-MSLED19-2-850-VDIM-P	Carton Pack	1	Active

**MFG: KEYSTONE** 

PART NUMBER: KT-MSLED18-4-840-VDIM-P

LED MICROSTRIP FIXTURE











4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

4' 18W LED Microstrip Fixture | 120 – 277V Input | Frosted Lens | 0 –10V Dimming | Premium Series

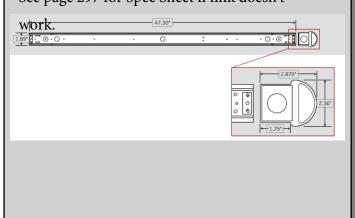
#### **APPLICATION**

Used for commercial, retail, and residential strip applications

## Spec Sheets:

See page 297 for Spec Sheet if link doesn't

Spec Sheet Click Here



Order Code	Packaging Style	Pack Quantity	Item Status
KT-MSLED18-4-835-VDIM-P	Carton Pack	1	Active
KT-MSLED18-4-840-VDIM-P	Carton Pack	1	Active
KT-MSLED18-4-850-VDIM-P	Carton Pack	1	Active

**MFG: KEYSTONE** 

PART NUMBER: KT-MSLED44-4-840-VDIM-P

LED MICROSTRIP FIXTURE











4212 Bangs Ave. Modesto, CA Call or Text 209-545-1324

#### **Product Features:**

#### **DESCRIPTION**

4' 44W LED Microstrip Fixture | 120 – 277V Input | Frosted Lens | 0 –10V Dimming | Premium Series

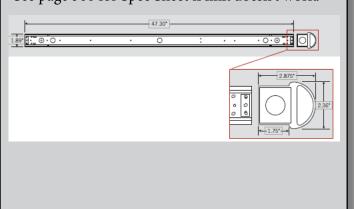
#### **APPLICATION**

Used for commercial, retail, and residential strip applications

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 300 for Spec Sheet if link doesn't work.



•							
Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-MSLED44-4-835-VDIM-P	3500K	4 ft.	120-277V	44W	>82.0	5,632	128 lm/W
KT-MSLED44-4-840-VDIM-P	4000K	4 ft.	120-277V	44W	>82.0	5,720	130 lm/W
KT-MSLED44-4-850-VDIM-P	5000K	4 ft.	120-277V	44W	>82.0	5,764	131 lm/W

**MFG: KEYSTONE** 

PART NUMBER: KT-MSLED54-8-840-VDIM-P

LED MICROSTRIP FIXTURE













#### **Product Features:**

#### **DESCRIPTION**

8' 54W LED Microstrip Fixture | 120 – 277V Input | Frosted Lens | 0 –10V Dimming | Premium Series

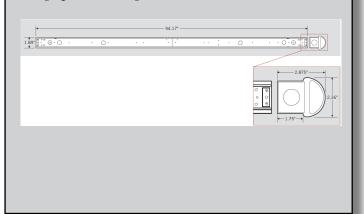
#### **APPLICATION**

Used for commercial, retail, and residential strip applications

#### **Spec Sheets:**

#### Spec Sheet Click Here

See page 303 for Spec Sheet if link doesn't work.



Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-MSLED54-8-835-VDIM-P	3500K	8 ft.	120-277V	54W	>82.0	7,100	131 lm/W
KT-MSLED54-8-840-VDIM-P	4000K	8 ft.	120-277V	54W	>82.0	7,160	133 lm/W
KT-MSLED54-8-850-VDIM-P	5000K	8 ft.	120-277V	54W	>82.0	7,210	134 lm/W

# SPEC SHEETS



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#### KT-RHLED200PS-14C-8CSB-VDIM-P

ROUND LED HIGH BAY FIXTURE

#### **DESCRIPTION**

Compact Round LED High Bay Fixture | Wet Location Rated

#### **APPLICATION**

Used for commercial and industrial high bay lighting applications











#### PRODUCT FEATURES

- Features Keystone Power Select technology. Adjust power between 200W, 150W, or 100W
- Features Keystone Color Select technology. Adjust CCT between 3000K, 4000K, or 5000K
- Designed to accept easy screw-in installation of optional sensors
- Powered by Keystone 0-10V dimming LED driver
- Ring-bolt mounting accessory included
- 6' cord for input and dimming wires
- Powder-coated aluminum housing; Polycarbonate lens
- Ribbed lens to reduce glare

- · Low optical flicker
- Built-in 6kV surge protection
- LED lifetime: L70 >100,000 hours
   25°C fixture ambient
- Ambient operating temperature:
   -40°C/-40°F to 50°C/122°F
- IP65 rated, wet location
- Listed on QPL DLC, Premium

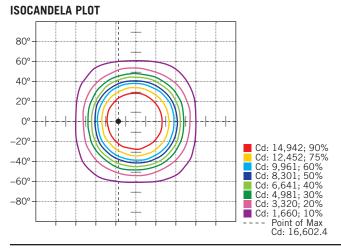
#### PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage	Color Temperature	Lumen Output	Efficacy	Rated Life	CRI	Power Factor
			3000K	28,400 lm	142 lm/W			
		200W	4000K	33,000 lm	165 lm/W			>0.9
			5000K	31,200 lm	156 lm/W			
	120-277V		3000K	21,450 lm	143 lm/W		>80	
KT-RHLED200PS-14C-8CSB-VDIM-P		150W	4000K	24,750 lm	165 lm/W	50,000 hrs		
			5000K	24,150 lm	161 lm/W			
			3000K	14,800 lm	148 lm/W			
		100W	4000K	16,500 lm	165 lm/W			
			5000K	16,300 lm	163 lm/W			

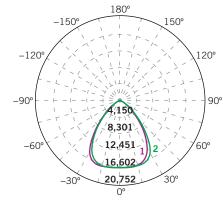
Note: Preset to highest lumen output (200W/5000K)

Note: Color uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

#### PHOTOMETRIC SPECIFICATIONS



#### **POLAR CANDELA DISTRIBUTION**



#### **ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
0-30	13,328.7	44.2%
0-40	20,615.9	68.4%
0-60	28,188.7	93.6%
60-90	1,897.0	6.3%
70-100	612.8	2.0%
90-120	0.2	0%
0-90	30,085.7	99.8%
90-180	45.2	0.2%
0-180	30,130.9	100%

Keystone Technologies • Philadelphia PA • Phone (800) 464-2680 • www.keystonetech.com

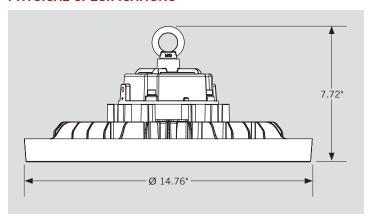
Specifications subject to change. Last revised on 04.28.21





# KT-RHLED200PS-14C-8CSB-VDIM-P ROUND LED HIGH BAY FIXTURE

#### PHYSICAL SPECIFICATIONS



#### POWER SELECTION AND COLOR TEMPERATURE SELECTION CAPABILITY



#### **KEYSTONE COLOR SELECT TECHNOLOGY**Adjust CCT between 3000K, 4000K, or 5000K

**KEYSTONE POWER SELECT TECHNOLOGY**Adjust power between 200W, 150W, or 100W





#### KT-RHLED200PS-14C-8CSB-VDIM-P

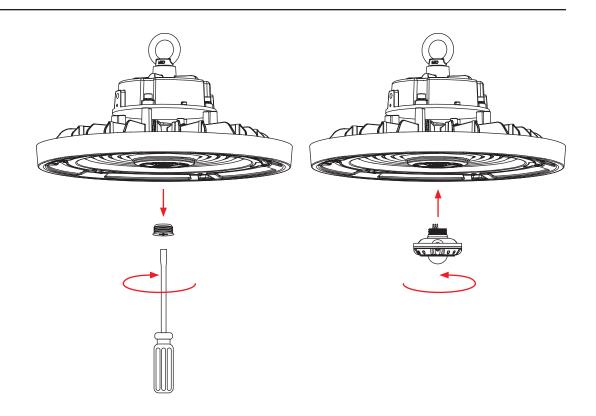
ROUND LED HIGH BAY FIXTURE

#### **QUICK-INSTALL ACCESSORIES** (SOLD SEPARATELY)

Accessory	Catalog Number	Description	UPC	Easy Code	
Microwave	KTS-MW3-12V-PKO /A	Microwave occupancy sensor; Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled	843654133317	XYR-25	Microwave Sensor Model: RTS-MW3-12V-PKO IPpds: 12VIcSOINA
Occupancy Sensor	KTS-MW3-12V-PKO /B	Microwave occupancy sensor; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled	843654133324	SPF-37	KEYSTONE
Passive Infrared (PIR)	KTS-PIR3-12V-PKO /A	PIR occupancy sensor; Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled	843654133638	RXQ-30	KE VSTONE
Occupancy Sensor	KTS-PIR3-12V-PKO /B	PIR occupancy sensor; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled	843654133645	LEF-34	Prior Mallion States Manual PCE Prior Sp Sp Prior (1994) 50 6 Feez, (2004)

#### **QUICK-INSTALL**

- 1. Ensure power is off to the fixture.
- 2. Remove 1/2" knock-out (KO) plug.
- 3. Screw in sensor head. (see illustrations)
- 4. Re-connect power when ready.
- 5. Program desired settings as needed with Keystone Remote Control.







### KT-RHLED200PS-14C-8CSB-VDIM-P

#### **ACCESSORIES** (SOLD SEPARATELY)

Catalog Number	Description	UPC	Easy Code
KT-RHLED-SM-2-KIT /G2	Steel surface mount kit; Includes mounting hardware	843654133256	BLT-11
KT-RHLED-WG-2-KIT /G2	Thick steel wire guard; Premium powdercoat construction; Includes mounting hardware	843654133270	PHU-26
KT-RHLED-AR90-2-KIT /G2	Aluminum dome reflector; 90° beam angle; Includes mounting hardware	843654133294	GBN-40
KT-RHLED-CL90-2-KIT /G2	Clear polycarbonate dome reflector with bottom lens; 90° beam angle; Includes mounting hardware	843654133621	SFZ-16
KT-RHLED-JBOX-PM /G2	J-Box; Optimized for pole pendant and step-down transformer applications	843654133300	RAQ-94
KTS-MW3-12V-PKO /A	High Bay microwave occupancy sensor with /A pre-set settings	843654133317	XYR-25
KTS-MW3-12V-PKO /B	High Bay microwave occupancy sensor with /B pre-set settings	843654133324	SPF-37
KTS-PIR3-12V-PKO /A	High Bay PIR occupancy sensor with /A pre-set settings	843654133638	RXQ-30
KTS-PIR3-12V-PKO /B	High Bay PIR occupancy sensor with /B pre-set settings	843654133645	LEF-34
KTS-MW3-REMOTECONTROL	Remote Control for KTS-MW3-12V-X and KTS-PIR3-12V-X Sensors; Used to set/adjust all sensor settings	843654132020	XSR-61

#### **ORDERING INFORMATION**

ORDER CODE	PACK QTY.	UPC	Easy Code
KT-RHLED200PS-14C-8CSB-VDIM-P	1	843654132938	XNC-69

#### **CATALOG NUMBER BREAKDOWN**

#### KT-RHLED200PS-14C-8CSB-VDIM-P

1 Keystone Technologies 2 Fixture Type

- 2 Fixture Type
- 3 LED Technology
- 4 Wattage
- 5 Power Selectable
- 6 Size/Shape
- **7** 800 Series
- 8 Color Selectable
- 9 Color Select Designation
- 10 Dimming
- 11 Premium Series
- 12 Housing Color

2 Fixture Type		6 Size/	Shape
RH	Round High Bay	14C	14" Diameter

9 Color Select Designation

A 3500K, 4000K, 5000K

B 3000K, 4000K, 5000K

C 3000K, 3500K, 4000K, 5000K

10 Dimming VDIM 0-10V 12 Housing Color

Blank Black

W White

12

Page 67

# BLANK PAGE BETWEEN SPEC SHEETS





#### KT-HBLED215PS-2FB-8CSD-VDIM-P

LED HIGH BAY FIXTURE

#### **DESCRIPTION**

2' LED High Bay Fixture | 120-277V Input | Frosted Lens | 0-10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial and industrial high bay lighting applications













#### **PRODUCT FEATURES**

- Powered by Keystone 0-10V dimming LED drivers
- Smooth diffused lens for an even appearance
- 0-10V Dimming, Dim-to-off
- Compatible with Keystone SmartSafe emergency LED drivers
- Compatible with Keystone 480–277V step down transformers
- Built in port to accept Quick install Keystone sensor (KTS-MW3-12V-PKO & KTS-PIR3-12V-PKO.) NO wiring required
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL Listed 1598: Suitable for damp locations
- THD: < 20%

- Power factor > 0.95
- L70 > 50,000 hours
- DLC Premium Listed
- Architectural grade compact design
- Frosted lens eliminates glare
- V-hook and chain mounting accessories included
- Compatible with Keystone SmartSafe emergency LED drivers; KT-EMRG-LED-12C-1200-EN /DF and KT-EMRG-LED-20SD-2000-EN / DF are optimal for fixture level installation; mounting kit KT-HBLED-EM-BR-1B-KIT required (sold separately)

#### POWER AND COLOR TEMPERATURE SELECTABILITY

- Keystone Color Select Technology: Adjustable CCT (4000K/5000K)
- Keystone Power Select Technology: Adjustable Wattage (215W/175W/135W)



#### **PRODUCT SPECIFICATIONS**

Catalog Number	Input Voltage	Wattage	CCT	Lumen Output	Efficacy	CRI	Power Factor	Lifetime	
KT-HBLED215PS-2FB-8CSD-VDIM-P			215W	4000K	30,000 lm	139 lm/W			
		Z13W	5000K	30,100 lm	140 lm/W				
	120–277V	175W	4000K	24,400 lm	139 lm/W	. 00	> 0.90	50,000 hrs	
	(120–277V)	1/5W	5000K	24,500 lm	140 lm/W	> 80	<u>&gt; 0.90</u>	30,000 nrs	
	(105)	(10EW)	4000K	18,800 lm	139 lm/W				
		(135W)	5000K	18,900 lm	140 lm/W				

#### ONE CATALOG NUMBER WITH 6 DIFFERENT OPTIONS

\* Preset to highest lumen output (215W / 5000K)

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.

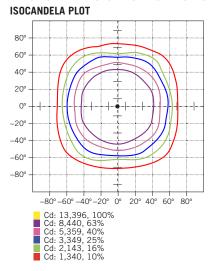




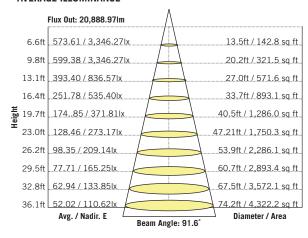
#### KT-HBLED215PS-2FB-8CSD-VDIM-P

LED HIGH BAY FIXTURE

#### PHOTOMETRIC SPECIFICATIONS



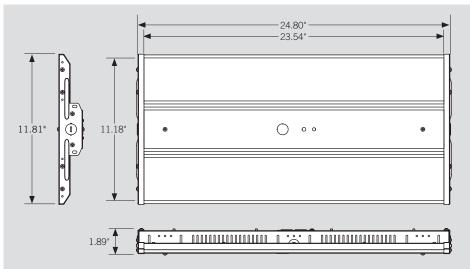
#### **AVERAGE ILLUMINANCE**



#### **ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
0-60	27,071	88%
60-90	3,353	11%
0-90	30,424	99%
90-180	256	1%
0-180	30,680	100%

#### PHYSICAL SPECIFICATIONS



Weight 12.6 lb





# KT-HBLED215PS-2FB-8CSD-VDIM-P

#### QUICK INSTALL ACCESSORIES (SOLD SEPARATELY)

Accessory	Catalog Number	Description
PIR Sensor	KTS-PIR3-12V-PKO /A	PIR sensor for 2FB LED Highbay fixtures, Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled
	KTS-PIR3-12V-PKO /B	PIR sensor for $$ 2FB LED Highbay fixtures, Preset for 5 min hold time, 10 min standby time at $$ 10% dim, daylight disabled
Microwave Sensor	KTS-MW3-12V-PKO /A	Microwave sensor for 2FB LED Highbay fixtures, Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled
	KTS-MW3-12V-PKO /B	Microwave sensor for $$ 2FB LED Highbay fixtures, Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled

#### 1. UNSCREW FIXTURE CAP





#### 2. TWIST IN SENSOR





#### 3. DONE!







# KT-HBLED215PS-2FB-8CSD-VDIM-P

# LED HIGH BAY FIXTURE

# **ADDITIONAL ACCESSORIES** (SOLD SEPARATELY)

Accessory	Catalog Number	Description
Surface Mount Kit	KT-HBLED-SM-1B-KIT	Surface Mount Kit for 2FB LED High Bay fixtures
Pendant Mount Kit	KT-HBLED-PM-1B-KIT	Pendant Mount Kit for 2FB LED High Bay fixtures
Wire Guard	KT-HBLED-WG-1B-KIT	Wire Guard Kit for 2FB LED Highbay fixtures
Cable Kit	KT-HBLED-CABLE-1B-KIT	Aircraft Cable Hanging Kit for 2FB LED Highbay fixtures
Emergency Backup Bracket	KT-HBLED-EM-BR-1B-KIT	Emergency LED Backup Mounting Kit for 2FB LED Highbay Fixtures
Crosst Cafa Dattany Daglyun	KT-EMRG-LED-12C-1200-EN /DF	12W, 1200 lumen Smart Safe emergency battery backup with dual flex cables
Smart Safe Battery Backup	KT-EMRG-LED-20SD-2000-EN /DF	20W, 2000 lumen Smart Safe emergency battery backup with dual flex cables, Self diagnostic

# **ORDERING INFORMATION**

Catalog Number	Pack Quantity	Easy Code	UPC
KT-HBLED215PS-2FB-8CSD-VDIM-P	TBD	FPM-04	843654133652

# **CATALOG NUMBER BREAKDOWN**

# KT-HBLED215PS-2FB-8CSD-VDIM-P

- 1 Keystone Technologies
- **2** LED Stairwell Fixture
- 3 Wattage
- 4 Power Select
- 5 2' Nominal Length
- 6 Form Factor
- **7** 800 Series
- 8 Color Select
- 9 Color Select Designation
- **10** 0–10V Dimming
- 11 Premium Series

# 8 Color Select Designation

Α	3500K, 4000K, 5000K
В	3000K, 4000K, 5000K
С	3000K, 3500K, 4000K, 5000K
D	4000K, 5000K

PROJECT NAME:	_CATALOG NUMBER:

NOTES: \_FIXTURE SCHEDULE:\_

Page: 1 of 3

# **ROUND ECO PENDANT HIGH BAY**

**BPHE SERIES** 



























# PRODUCT DESCRIPTION:

The Round Eco Pendant High Bay is a sleek, price-effective lighting solution for warehouses, retail and big box stores, gymnasiums, and other industrial and commercial locations with open ceilings. Compact in design, yet mighty in output and durability, the pendant produces uniform illumination with DLC Premium listed performance that exceeds 130 lm/W in higher output models.

# **FEATURES:**

- 0-10V dimming standard
- Power factor >0.9
- Voltage: 120-277V, 347-480V
- Operating temperature: -40°F to 113°F
- Operating humidity 20% to 80% RH non-condensing
- Option for both aluminum and acrylic reflectors
- Hook mount standard, accessories for Stem mount and wall mount available
- 6' cord (3-wire) standard

# **CONSTRUCTION:**

- · Die cast housing
- Black polyester powder coat finish

# **RECOMMENDED USE:**

- Warehouses
- Retail
- High Bay and Low Bay applications

# **WARRANTY:**

10-year standard warranty with labor allowance\* (further details available at www.maxlite.com/warranties)

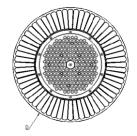
\*Warranty Limitations: Product must be rated for the application per the Product Data Sheet (PDS); operated <16 hrs; in ambient of -40°F to 113°F.

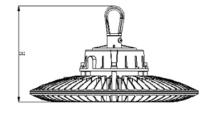
\*Up to \$25/unit; labor allowances of up to \$500/unit available for purchase - contact MaxLite representative for details.

FAMILY	-	WATTAGE	VOLTAGE	OPTICS	-	ССТ	OPTIONS
BPHE=Baymax Pendant High Bay Economic	1	<b>100=</b> 100W <b>150=</b> 150W <b>180=</b> 180W <b>240=</b> 240W	<b>U=</b> 120-277V <b>H=</b> 347-480V	<b>W=</b> Wide	1	<b>40=</b> 4000K <b>50=</b> 5000K	Blank=No Option MSV=Bi-Level Sensor

<sup>&</sup>lt;sup>1</sup> Product comes with 6' cord. Additional cords and plugs cannot be installed on this product as it is Wet/IP65 rated.

# **DIMENSION DRAWING:**





1-800-555-5629 |

973-244-7333 |

: www.maxlite.com |

# **DIMENSION CHART:**

MODEL	D (INCH)	H (INCH)
100W	10.6	7.4
150W	12.6	7.6
180W	14.2	7.95
240W	16.9	8.98

MAX18158 info@maxlite.com Revised: 02/24/21





# **ROUND ECO PENDANT HIGH BAY BPHE SERIES**

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SPECIFICATIONS:		BPHE-100yW-xx	BPHE-150yW-xx	BPHE-180yW-xx	BPHE-240yW-xx			
ITEM	SPECIFICATION	DETAILS						
	Power Consumption	100W	150W	180W	240W			
	Equivalent Wattage	175W MH	250W MH	400W MH	400W MH			
	Lumens Delivered	13,000 lm	19,500 lm	23,400 lm	31,200 lm			
GENERAL	Efficacy		130	lm/W				
PERFORMANCE	CRI		8	30				
	Color Temperature		4000K a	nd 5000K				
	L70 Lumen maintenance		100,00	100,000 hours				
	Color Consistency	Proprietary binning for uniform color						
	Power Factor	>0.9						
ELECTRICAL	Input Voltage	120-277V, 347-480V						
LLLCTRICAL	Dimming		0-10V. Dimming F	Range: 10%-100 %				
	Surge Protection	Other	beam distributions available	e as special order; contact N	MaxLite			
	Mounting	Hook mount standard, accessories for Stem mount and wall mount available						
PHYSICAL	Operating Temperature		-40°F t	o 113°F				
	Humidity		20% to 80% RH	non-condensing				
	Qualifications	UL Listed, DLC Standard						
QUALIFICATION	Material Usage	RoHS compliant; no mercury						
QUALIFICATION	Environment		Indoor / '	Wet, IP65				
	Warranty	10 Years warranty						

<sup>\*</sup>To stem mount product, remove hook in the field.

# **ORDERING\*:**

ORDER CODE	MODEL NUMBER	DLC PRODUCT ID#
14100743	BPHE-100UW-40	PLFI6ZYDZKJV
14100747	BPHE-100UW-50	PL6AOBLV6XNS
14100744	BPHE-150UW-40	PL8TJ0O15KDG
14100748	BPHE-150UW-50	PLOL5DVGTXOS
14100745	BPHE-180UW-40	PLF6LA0FMV0U
14100749	BPHE-180UW-50	PLZD2PBXCW4W
14100746	BPHE-240UW-40	PLJVOYWWSBL7
14100750	BPHE-240UW-50	PLLPWSHOW9VD
104156	BPHE-240HW-50	PYOMNU83
104152	BPHE-180HW-50	PAGAOO9G
104146	BPHE-150HW-50	PJCIMG33

<sup>\*</sup>Please contact your MaxLite representative to order products that don't have order codes listed here.

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: www.maxlite.com |



# **ROUND ECO PENDANT HIGH BAY BPHE SERIES**

Page: 3 of 3

# **ACCESSORIES:**

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
14100727	BPHE-ALDRP1	PC Drop Lens (310.5 mm X 33 mm). Fits BPHE-ALREF1	
14100731	BPHE-PCDRP1	PC Drop Lens (404mm X 39mm). Fits BPHE-PCSHD1, BPHE-PCSHD2 & BPHE-ALREF2	
14100725	BPHE-ALREF1	Aluminous Reflector (315mm X 150mm) for BPHE 150W & 180W	
14100726	BPHE-ALREF2	Aluminous Reflector (409mm X 190mm) for BPHE 240W	
14100729	BPHE-PCSHD1	Poly Carbonate Shade Reflector (410mm X 197mm) for BPHE 150W & 180W	
14100730	BPHE-PCSHD2	Poly Carbonate Shade Reflector (410mm X 197mm) for BPHE 240W	
14100732	BPHE-UBRKT1	U Bracket (wall mount) for BPHE 100W (Hardware not included, 5/16" Screws recommended)	1
14100733	BPHE-UBRKT2	U Bracket (Wall Mount) for BPHE 150W & 180W (Hardware not included, 5/16" Screws recommended)	
14100734	BPHE-UBRKT3	U Bracket (Wall Mount) for BPHE 240W (Hardware not included, 5/16" Screws recommended)	C44
14101065	BPHE-PPADPTR	BPHE PIPE ADAPTER (1/2" NPT TO 3/4" NPT)	04 To 00
104799	RMRC-100	Remote Control for Universal Voltage (120-277V) Sensor	
102184	FSIR-100	Remote Control for High Voltage Sensor	WCI

<sup>\*</sup>Other beam distributions available as special order. Contact Maxlite for more details.

# **SENSOR INFORMATION:**

SENSOR	TECHNOLOGY	DIMMING	DAYLIGHT HARVESTING	REMOTE CONTROL	
MSV for 120-277V/ Universal sensor models	PIR	ON/OFF	SET POINT	YES	
MSV for 347-480V/ High Voltage sensor models	PIR	BI-LEVEL	SET POINT	YES	

<sup>\*</sup>For motion sensor setting and information, please visit www.maxlite.com/controls

973-244-7333 |

MAX18158 info@maxlite.com Revised: 02/24/21 MaxLite

: www.maxlite.com |

<sup>\*\*</sup>No Shade/Reflector/Drop lens available for 100W \*\*\*FSIR-100 applies to 347-480V



Type:	Date:
Job Name:	V
Contractor:	
Catalog No.:	
Notes:	

10



Catalog#: VPB2

150W VAPOR PROOF FIXTURE - CEILING MOUNT

Category Line Voltage

<u>H10</u> **Page** 

# **Features:**

Material Die Cast Aluminum with Die Cast

Guard

Socket Premium grade Porcelain socket -

Pulse Rated

Gasket

Sealed with High Grade Weatherproof Sllicone Gasket

Pre-wired Teflon-jacketed 9" Wiring

Medium Base E26 Socket Lamp Not Included, 150W Max. Lamp type

Silicone Gasket Accessories

1/2" NPS Hub Size Clear Glass Jar



Cat. No.	Finishes	UPC
VPB2	Clear	615624374347



www.orbitelectric.com



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# KT-VTLED44-4A-8XX-VDIM-P VAPOR TIGHT FIXTURE

### DESCRIPTION

4' 44W LED Vapor Tight Fixture | 120–277V Input | 0–10V Dimming | Premium Series

### **APPLICATION**

Used for commercial and industrial rugged or outdoor applications











## **PRODUCT FEATURES**

- Traditional design, narrow body, Vapor Tight fixture, suitable for rugged, demanding applications
- Powered by Keystone 0–10V dimming LED drivers
- IP66, suitable for wet location
- Smooth, diffused lens for even appearance
- Stainless steel lens clips
- 0–10V dimming, 10% minimum
- High quality, impact resistant Poly Carbonate lens
- Impact Resistance Rating: IK10
- NEMA 4X rated, protected against corrosion

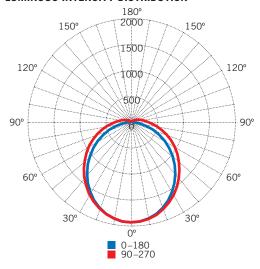
- Compatible with Keystone SmartSafe emergency backups, max of 30C ambient operating temperature with emergency pack installed
- Ambient operating temperature: -20°C/-4°F to 45°C/114°F
- UL Listed 1598
- THD: < 20%
- PF: >0.95
- LED chip lifetime: L70>100,000 hours @ 25°C/77°F ambient fixture temperature
- Includes mounting hardware
- ETL Sanitation Listed NSF/ANSI Standard 2 Food Equipment, Splash Zone (Not for Direct Food Zone)

# **PRODUCT SPECIFICATIONS**

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-VTLED44-4A-840-VDIM-P	4000K	4 ft.	120-277V	44W	>82.0	5,630 lm	128 lm/W
KT-VTLED44-4A-850-VDIM-P	5000K	4 ft.	120-277V	44W	>82.0	5,720 lm	130 lm/W

# PHOTOMETRIC SPECIFICATIONS

## **LUMINOUS INTENSITY DISTRIBUTION**



# **ZONAL LUMEN SUMMARY**

Degree	Flux (Lumens)	% Luminaire
0~10°	178.7 lm	3.08%
0~20°	686.1 lm	11.83%
0~30°	1,443.3 lm	24.89%
0~40°	2,340.3 lm	40.35%
0~50°	3,260.8 lm	56.23%
0~60°	4,101.8 lm	70.73%
0~70°	4,781.5 lm	82.45%
0~80°	5,248.5 lm	90.50%
0~90°	5,508.3 lm	94.98%
0~100°	5,648.2 lm	97.39%
0~110°	5,726.8 lm	98.75%
0~120°	5,765.8 lm	99.42%
0~130°	5,781.7 lm	99.70%
0~140°	5,788.0 lm	99.80%
0~150°	5,792.4 Im	99.88%
0~160°	5,796.1 lm	99.94%
0~170°	5,798.5 lm	99.98%
0~180°	5,799.2 lm	100.00%

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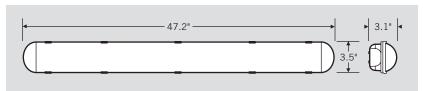
Specifications subject to change. Last revised on 10.13.21





# KT-VTLED44-4A-8XX-VDIM-P VAPOR TIGHT FIXTURE

# PHYSICAL SPECIFICATIONS



### ORDERING INFORMATION

Catalog Number	Packaging Style	Pack Quantity	Item Status
KT-VTLED44-4A-840-VDIM-P-CP	Carton Pack	4	Active
KT-VTLED44-4A-850-VDIM-P-CP	Carton Pack	4	Active

# **ACCESSORIES** (SOLD SEPARETLY)

Catalog Number	Description
KTS-MW3-UV-KO-K2	Microwave sensor kit includes 120-277V input to 12V DC converter and sensor head. Adjustable options include high-end trim brightness, sensitivity, hold time, daylight threshold, stand-by time, and stand-by dimming level. Factory install available.

# **CATALOG NUMBER BREAKDOWN**

# KT-VTLED44-4A-8XX-VDIM-P

1 2 3 4 5 6 7 8 9 10

- 1 Keystone Technologies
- 2 Vapor Tight LED Fixture
- 3 Wattage
- 4 4' Nominal Length
- 5 Lamp Type
- 6 800 Series
- 7 Color Temperature
- 8 0-10V Dimming
- 9 Premium Series
- 10 Sensor Options

10 Sensor Options

	No Option	
/MW3	Microwave Sensor Included	





# KT-VTLED90-8A-8XX-VDIM-P VAPOR TIGHT FIXTURE

# **DESCRIPTION**

8' 90W LED Vapor Tight Fixture | 120–277V Input | 0–10V Dimming | Premium Series

Used for commercial and industrial rugged or outdoor applications









# **PRODUCT FEATURES**

- Traditional design, narrow body, Vapor Tight fixture, suitable for rugged, demanding applications
- Powered by Keystone 0–10V dimming LED drivers
- IP65, suitable for wet location
- Smooth, diffused lens for even appearance
- Stainless steel lens clips
- 0–10V dimming, 10% minimum
- Compatible with Keystone SmartSafe emergency backups
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- NEMA 4X rated, protected against corrosion

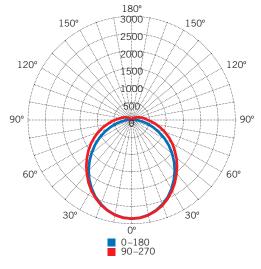
- Impact resistance rating: IK10
- UL Listed 1598: Suitable for dry and damp locations
- THD: < 20%
- PF: >0.95
- LED chip lifetime: L70>100,000 hours @ 25°C/77°F ambient fixture temperature
- Includes mounting hardware
- ETL Sanitation Listed NSF/ANSI Standard 2 Food Equipment, Splash Zone (Not for Direct Food Zone)

# PRODUCT SPECIFICATIONS

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-VTLED90-8A-840-VDIM-P	4000K	8 ft.	120-277V	90W	>82.0	11,520	128 lm/W
KT-VTLED90-8A-850-VDIM-P	5000K	8 ft.	120-277V	90W	>82.0	11,700	130 lm/W

# PHOTOMETRIC SPECIFICATIONS

# **LUMINOUS INTENSITY DISTRIBUTION**



# **ZONAL LUMEN SUMMARY\***

0-20 1,372.13 lm 11.80% 0-30 2,886.53 lm 24.90% 0-40 4,680.60 lm 40.40% 0-60 8,203.60 lm 70.70% 0-80 10,497.06 lm 90.50%
0–40 4,680.60 lm 40.40% 0–60 8,203.60 lm 70.70%
0–60 8,203.60 lm 70.70%
· ·
0-80 10.497.06 lm 90.50%
0–90 11,016.61 lm 95.00%
10–90 10,659.29 lm 91.90%
20–40 3,308.48 lm 28.50%
20–50 5,149.42 lm 44.40%
40–70 4,882.44 lm 42.10%
60–80 2,293.46 lm 19.80%
70–80 934.02 lm 8.10%
80–90 519.55 lm 4.50%
90–110 437.04 lm 3.80%
90–120 514.97 lm 4.40%
90–130 546.88 lm 4.70%
90–150 568.25 lm 4.90%
90–180 582.18 lm 5.00%
110-180 145.14 1.30%
0-180 11,598.79 100.00%

<sup>\*</sup> Calculated

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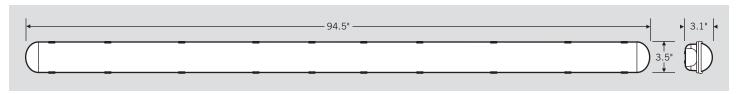
Specifications subject to change. Last revised on 10.13.21





# KT-VTLED90-8A-8XX-VDIM-P VAPOR TIGHT FIXTURE

# PHYSICAL SPECIFICATIONS



# **ORDERING INFORMATION**

Catalog Number	Packaging Style	Pack Quantity	Item Status
KT-VTLED90-8A-840-VDIM-P-CP	Carton Pack	4	Active
KT-VTLED90-8A-850-VDIM-P-CP	Carton Pack	4	Active

# **ACCESSORIES** (SOLD SEPARETLY)

Catalog Number	Description
KTS-MW3-UV-KO-K2	Microwave sensor kit includes 120-277V input to 12V DC converter and sensor head. Adjustable options include high-end trim brightness, sensitivity, hold time, daylight threshold, stand-by time, and stand-by dimming level. Factory install available.

# **CATALOG NUMBER BREAKDOWN**

# KT-VTLED90-8A-8XX-VDIM-P

10

- 1 Keystone Technologies
- 2 Vapor Tight LED Fixture
- 3 Wattage
- 4 8' Nominal Length
- 5 Lamp Type
- 6 800 Series
- **7** Color Temperature
- 8 0-10V Dimming
- 9 Premium Series
- 10 Sensor Options

10 Sensor Options

	No Option
/MW3	Microwave Sensor Included



TCP's energy efficient LED HID Replacement Corn Cob lamps are an excellent choice for replacing traditional high-intensity discharge lamps. Damp location rated and designed for indoor/outdoor use where low maintenance and high lumen output is required.

# Reasons to choose the LED HID Replacement Corn Cob Lamps from TCP

- Uses less energy than high-intensity discharge products
- 50,000 hour life minimizes maintenance costs
- UL approved for damp locations
- 360° beam angle for full light distribution
- Isolated driver for better heat dissipation and eliminating the need for a ballast
- Surge protection all lamps have 4kV surge protection
- Pair with HID Replacement Accessories to add features such as motion sensing, natural light detection, and to connect to an external O-10, PWM, or resistance dimming system to the Replacements Lamps.
- Rated for enclosed fixtures

# Ideal Fixture for Lamp Replacements

- Canopies
- Round High & Low Bays
- Post Tops
- Acorns

# Typical Applications

- Warehouses
- Parking Lots
- Street Lights
- Industrial Lighting

# Specifications:

Color Temperatures	4000K, 5000K
Wattage Replacements	75W, 100W,
200W, 250W,	, 300W, 320W, 400W
Input Line Voltage	100-277
Input Line Frequency	50/60HZ

Lamp Life (Rated)	50,000 hours
Minimum Starting Temp	40°C
Maximum Operating Temp	60°C
CRI	
Surge Protection	4kV



# LED HID Replacement Corn Cob Lamps (Phase Out)

# **Specifications**

ITEM#	DESCRIPTION	HID WATT EQUIV	WATTAGE	LUMENS	CRI	COLOR TEMP	DIA (in)	MOL (in)	MIN ENCLOSURE DIMENSION (INCHES)	BASE	HID REPLACEMENT LAMP ACCESSORIES
LED HID Corn Cob	Lamp Series -120-277 VAC										
75W LED HID											
L19MHE265040K	LED 19W MH70 E26 40K	70	19	2470	80	4000K	2.5	x 6.1	N/A	E26	NO
100W LED HID											
L27HE265040K	LED 27W MH100 E26 40K	100	27	3375	85	4000K	2.36	× 6.5	7.87" L x 7.87"	E26	NO
L27HE265050K	LED 27W MH100 E26 50K	100	27	3375	85	5000K	2.36	× 6.5	7.87" L x 7.87"	E26	NO
200W LED HID											
L45MHE265040K	LED 45W MH175 E26 40K	175	45	5850	80	4000K	3.4	10.2	N/A	E26	YES
L45HE265040K	LED 45W MH200 E26 40K	200	45	5625	85	4000K	3.35	9.12	7.87" L x 7.87"	E26	YES
L45HE265050K	LED 45W MH200 E26 50K	200	45	5625	85	5000K	3.35	9.12	7.87" L x 7.87"	E26	YES
250W LED HID											
L54HEX395040K	LED 54W MH250 EX39 40K	250	54	6750	85	4000K	3.35	9.24	7.87" L x 7.87"	EX39	YES
300W LED HID											
L63HEX395050K	LED 63W MH300 EX39 50K	300	63	7875	85	5000K	3.53	9.71	7.87" L x 7.87"	EX39	YES
320W LED HID											
L80HEX395040K	LED 80W MH320 EX39 40K	320	80	10000	85	4000K	5.11	9.69	9.84" L x 9.84"	EX39	YES
L80HEX395050K	LED 80W MH320 EX39 50K	320	80	10000	85	5000K	5.11	9.69	9.84" L x 9.84"	EX39	YES
400W LED HID											
L100MHX395040K	LED 100W MH400 EX39 40K	400	100	13500	80	4000K	5.1	12.8	N/A	EX39	NO
L100HEX395050K	LED 100W MH400 EX39 50K	400	100	12500	85	5000K	5.11	10.28	9.84" L x 9.84"	EX39	YES

# **HID Accessories and Adapters**

Item Number	Description
ADAPTERE26E39	E26 TO E39 ADAPTER
ADAPTERE39E26	E39 TO E26 ADAPTER





Item Number	Name	Description
LHSMW001	Microwave Motion Sensor	When connected to a lamp, provides Motion Detection through objects and walls.
LHSIROO1	PIR Motion Sensor	When connected to a lamp, provides Motion Detection and Daylight Sensing.
LHSDLOO1	Daylight Sensor	When connected to a lamp, provides Natural Light Detection.
LHDW001	3 in 1 Dimming Wire	Use to connect lamps to an external 0-10V, PWM, and resistance dimming system

See the HID Replacement Lamp Accessories Specification Sheet for more information.















# LED HID Replacement Corn Cob Lamps

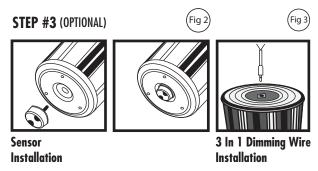
(Phase Out)

# LED HID Corn Cob Lamp Installation and Instruction Guide

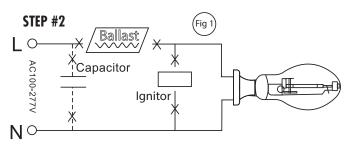
# WARNING! RISK OF ELECTRIC SHOCK! DISCONNECT POWER AT FUSE OR CIRCUIT BREAKER BEFORE INSTALLING OR SERVICING!



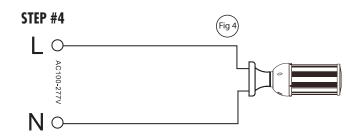
TURN OFF POWER AT CIRCUIT BREAKER to prevent risk of electric shock.



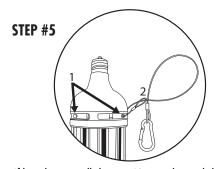
Sensor or 3 in 1 dimming wire installation. Connect as shown in Figure 2 and 3. The sensor/wire should be connected before the lamp is installed. Connect dimming wire to manufacturer's dimming system as per instructions.



Remove old ballast or disconnect from existing lamp holder. Remove and dispose of ballast in correct manner (also disconnect any other components such as ignitors, starters, capacitors). Shown as Figure 1.



Reconnect directly to the existing lamp holder. Install new LED replacement lamp. Shown as Figure 4. Please make sure old socket is correctly grounded.



If lamp being installed is over 60w, attach provided tether cable to lamp. Locate either entry hole(1) on lamp shown in diagram and feed looped end of tether cable(2) through hole. You may need to crimp with pliers first. Once through, take end with grappling clip through loop as shown, tighten and secure clip to safe location.

# STEP #6

his luminaire has been modified to operate LED lamps. Do not attempt to install or operate HID lamps or compact Fluorescent Luminaires in this luminaire. In the future, use only bypass lamps. LED RETROFIT LUMINAIRE CONVERSION
FOR USE ONLY WITH PRODUCTS DESCRIBED AND INSTALLED IN ITHE INSTRUCTIONS PROVIDED WITH THE RETROFIT KIT (E35369: Order at www.tcpl.com REPLACEMENT LAMP LXXCCE26UYYK ("XX" = 12W & 18W & 27W & 36W & 45W & 54W & 63W & 100W & 120W) LXXCCEX39UYYK ("XX" = 45W & 54W & 63W & 100W & 120W) XXCCE26HYYK ("XX" = 36W) XXCCEX39HYYK ("XX" = 54W 100W)

> Please apply included label to retrofitted luminaire in a visible location.



TURN ON POWER AT **CIRCUIT BREAKER** 









# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

Sales:	Catalog Number:
Date:	Туре:
Model:	Notes:
Project:	MTCD.
Rep:	TCP we know light.™



TCP's LED T-shape HID replacements are changing the LED game for HID replacement lamps. Unlike traditional HID and LED "Corn Cob" solutions, the TCP LED T-shapes are directional and deliver maximum lumens on the floor. The plastic lens helps to minimize glare and increase overall lamp performance.

# Reasons to choose the LED HID Series from TCP

- Operates on less energy than traditional metal halide products for Instant energy savings
- Long life of 50,000 hours helps minimize replacement and maintenance costs
- Directional 180° beam angle delivers maximum lumen distribution on the floor
- Shatter resistance lowers the risk of injury and breakage

- An isolated driver helps with heat dissipation
- The LED HID Series is wet location rated, when exposed to water use only with device base up
- Approved for totally enclosed high bay and low bay fixtures with a minimum lamp compartment of 16 inches in diameter by 10.43 inches high\*
- The LED HID Series offers 6kv surge protection

# Ideal Applications

High and Low Bay Metal Halide Replacement or any HID type lamp

# Specifications:

Color Temperatures	1000K 5000K
Wattage Replacements70W,	100W, 150W, 1/5W,
	250W, 400W
Input Line Voltage	
Input Line Frequency	50/60HZ
Lamp Life (Rated)	50,000 hours
Minimum Starting Temp	30°C

Suitable for use in totally enclosed high bay and low bay fixtures with a minimum lamp compartment of 16 inches in diameter by 10.43 inches high. Bypass construction. Non dimmable.

\* Not recommended for sealed area lights, pole lights and floodlights.









Maximum Operating Temp......45°C CRI.....≥ 80 



# LED HID T-Shape Series

ITEM #	DESCRIPTION	VOLTAGE	LED WATTS	WATTAGE EQUIVALENT	LUMENS	LPW	сст	COLOR TEMP	BEAM ANGLE	MOL (inches)	DIA (inches)	WEIGHT (pounds)	BASE	MASTER PACK
LHID25040*	LED 90W MH400 EX39 40K	120-277V	90	250-400	12,600	151.11	>80	4000K	180°	10.3	5.2	2.4	EX39	6
LHID25050*	LED 90W MH400 EX39 50K	120-277V	90	250-400	12,600	151.11	>80	5000K	180°	10.3	5.2	2.4	EX39	6
LHID17540*	LED 65W MH250 EX39 40K	120-277V	65	175-250	9000	152.31	>80	4000K	180°	10.3	5.2	2.0	EX39	6
LHID17550*	LED 65W MH250 EX39 50K	120-277V	65	175-250	9000	152.31	>80	5000K	180°	10.3	5.2	2.4	EX39	6
LHID15040	LED 40W MH175 E26 40K	120-277V	40	150-175	5850	146.25	>80	4000K	180°	8.5	4.4	1.4	includes E26 to E39 ADAPTER	6
LHID15050	LED 40W MH175 E26 50K	120-277V	40	150-175	5850	146.25	>80	5000K	180°	8.5	4.4	1.4	includes E26 to E39 ADAPTER	6
LHID10035	LED 25W MH150 E26 35K	120-277V	25	100-150	3750	150	>80	3500K	180°	7.4	3.8	1.1	E26	6
LHID10040	LED 25W MH150 E26 40K	120-277V	25	100-150	3750	150	>80	4000K	180°	7.4	3.8	1.1	E26	6
LHID10050	LED 25W MH150 E26 50K	120-277V	25	100-150	3750	150	>80	5000K	180°	7.4	3.8	1.1	E26	6
LHID07040	LED 20W MH70 E26 40K	120-277V	20	70-100	3000	150	>80	4000K	180°	5.5	3.0	0.7	E26	6
LHID07050	LED 20W MH70 E26 50K	120-277V	20	70-100	3000	150	>80	5000K	180°	5.5	3.0	0.7	E26	6

<sup>\*</sup> DLC approved.

# LED T-shape HIDs vs traditional LED HIDs "Corn Cob"









3.4"

L45MHE2650 Weight: 2 lbs







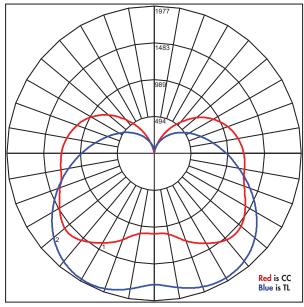


# LED HID T-Shape Series

# LED T-shape HIDs vs traditional LED HIDs "Corn Cob"

LHIC	250	BY 2	ZONE
ZONAL	LUMENS	90w TL	100w CC
0	10	174	104
10	20	540	330
20	30	902	606
30	40	1207	905
40	50	1413	1176
50	60	1492	1321
60	70	1450	1339
70	80	1319	1320
80	90	1138	1324
90	100	937	1281
100	110	742	1164
110	120	563	985
120	130	403	757

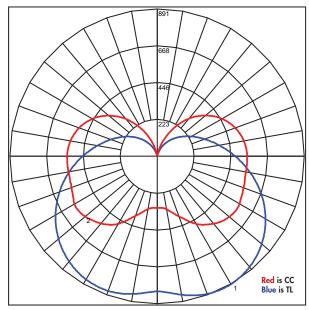
# Candela Display



# 1 CTL 4976 L100MHX39... - Vertical Plane Through Horizontal Angles (225 - 45) Max. Candela # 2 CTL 4973 LHID25... - Vertical Plane Through Horizontal Angles (247.5 - 67.5) Max. Candela

LHI	D150	BY 2	ZONE
ZONAL	LUMENS	40w TL	40w CC
0	10	79	30
10	20	244	100
20	30	405	194
30	40	541	307
40	50	639	415
50	60	688	503
60	70	687	549
70	80	640	567
80	90	558	583
90	100	459	578
100	110	361	539
110	120	272	467
120	130	193	370

# Candela Display



# 1 CTL 4971\_LHID15... - Vertical Plane Through Horizontal Angles (337.5 - 157.5) Max. Candela # 2 CTL 4975\_L45MHE... - Vertical Plane Through Horizontal Angles (270 - 90) Max. Candela

For the most up-to-date specs, please visit www.tcpi.com









# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

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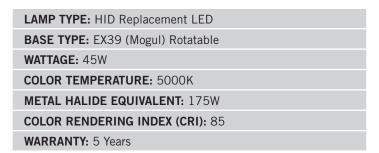


# KT-LED45HID-H-EX39-850-D

HID REPLACEMENT LED LAMP

### **DESCRIPTION**

45W HID Replacement LED Lamp | 5000K | 85 CRI | IP64 Rated





CUL US LISTED ROHS COMPliant SYEAR COMPLIANTY

# **PRODUCT FEATURES**

- Replacement for conventional metal halide lamp
- Ideal for wallpack retrofit applications
- Optimized for horizontal applications with directional light output from opening LED assembly construction
- Non-dimmable; Do not dim
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- DLC Listed

- UL Listed
- Operating temperature: -40°C/-40°F to 45°C/113°F in enclosed fixture
- Integral driver, eliminates the need for external driver or ballast;
   Includes 4kV surge protection
- IP64 Rated; integrated heat sink quickly dissipates heat and guides water intrusion out of the lamp
- Horizontal orientation
- Suitable for use in fully enclosed fixture

# **OPERATING SPECIFICATIONS**

### **ELECTRICAL CHARACTERISTICS**

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	45W	>0.9	0.38A @ 120V 0.16A @ 277V

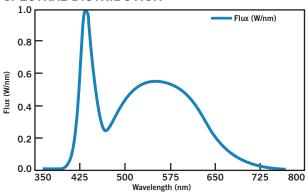
# **RATED LIFE**

L70 (Hours)	50,000

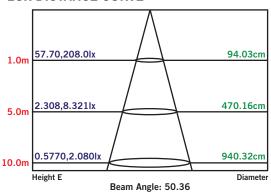
### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	5000K
Luminous Flux	6,400 lm
Color Rendering Index (CRI)	85
Efficacy	142 lm/W
Beam Angle	180°

# SPECTRAL DISTRIBUTION



# **LUX DISTANCE CURVE**







# KT-LED45HID-H-EX39-850-D

HID REPLACEMENT LED LAMP

# **WIRING DIAGRAM**

# STEP 1

**Disconnect power.** Disconnect and remove existing ballast, capacitor, and/or ignitor (where applicable) from fixture.

# 

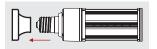
# STEP 2

Rewire for line voltage to the lamp socket.



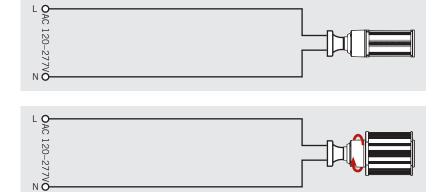
# STEP 3

Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.

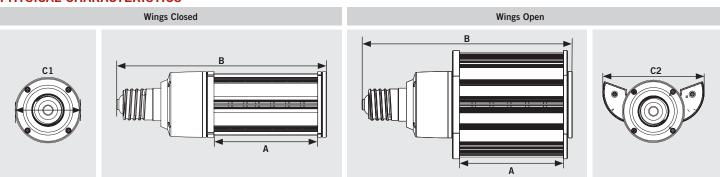


# STEP 4

Rotate lamp base and open wings accordingly toward direction of desired lumination.



# PHYSICAL CHARACTERISTICS



# LAMP DIMENSIONS

A (Illuminated Length)	5.83"	C (Diameter)	3.23"
B (Body Length)	9.76"	C2 (Width, Wings Open)	5.26"

BASE TYPE: EX39 (Mogul) Rotatable





# KT-LED45HID-H-EX39-850-D

# HID REPLACEMENT LED LAMP

# **ORDERING INFORMATION**

Order Code	Packaging Style	Pack Quantity	Item Status	
KT-LED45HID-H-EX39-850-D-DP	Distributor Pack (Individual Cartons)	16	Quick Ship	

# **CATALOG NUMBER BREAKDOWN**

KT-LED45HID-H-EX39-850-D-DP

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- **5** Horizontal Orientation
- 6 Base Type
- **7** 800 Series
- **8** Color Temperature
- 9 DirectDrive Series
- 10 Packaging Style





# **DESCRIPTION**

High-Performance Pole-Mount LED Area Light
Premium Package | Power Select 140W/100W/70W
all in one | 120–277V Input | Bronze Housing

### **APPLICATION**

Pole-mount or structure-mount outdoor illumination needs (including parking lots, auto dealerships, pathways, roadways, recreational venues, and other general area lighting requirements)











### **PRODUCT FEATURES**

- Compact, low-profile design delivers high-performance illumination and improves application site aesthetics
- Heavy-duty, die-cast aluminum housing with ample heat sinking for enhanced thermal performance
- True U0 design for Dark Sky compliant performance eliminates undesirable sky glow
- Keystone Power Select Technology allows fixture to be set to 140W, 100W, or 70W settings
- 3-pin twist-lock photocell included along with integrated NEMA/ ANSI C136.41 7-pin-twist lock receptacle and shorting cap, covers control needs and variables
- Pre-installed, adjustable pole mount kit with type III fixture optics, ideal for multi-headed pole applications
- Integral latch design for hassle-free, hinged access to driver compartment

- Bi-level occupancy sensor accessory available
- Reversible glare shield available, suitable for backside (house-side) or frontside (street-side) shielding
- Powered by Keystone 0–10V dimming LED driver featuring 12V AUX power tap, 6kV surge protection
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL Certified for wet locations, IP65
- 0–10V dimming, 10% min
- Power factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25Cº/77Fº ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

### **ELECTRICAL SPECIFICATIONS**

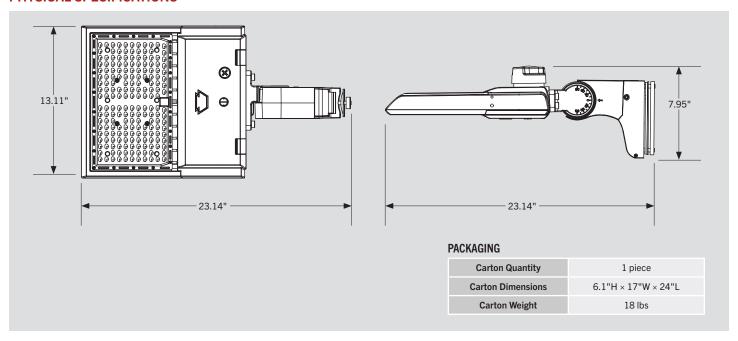
Catalog Number	Wattage	Lumens	Efficacy	Dimming	Color Temp	CRI	Dist Type	Input Voltage	Rated Life	Legacy Equivalent	Housing Color*	Additional Features	
KT-ALED140PS-M1-3-PMA-840-VDIM-P	140W 100W	19,300 lm 14,300 lm 10,350 lm	138–148 Im/W	0-10V		4000K	. 90	111	120 2770	50 000 brs	175 400W	Bronze	Premium package featuring: • 140W, 100W, 70W Power Select fixture body • Adjustable pole mount kit • 3-pin twist-lock
KT-ALED140PS-M1-3-PMA-850-VDIM-P	70W	19,600 lm 14,500 lm 10,500 lm	140–150 lm/W		5000K	>80	III	120-277V	50,000 hrs	1/5-400W	DIONZE	photocell (with 7-pin receptacle and shorting cap) and full-color box • 6kV built in + 10 kV external surge protection • 12V AUX tap	

<sup>\*</sup> Fixtures (and mounts) with alternate housing colors are available and made to order. Extended lead times apply. Please see catalog number breakdown for full ordering code details.

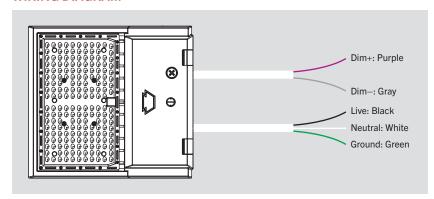




# **PHYSICAL SPECIFICATIONS**



# **WIRING DIAGRAM**



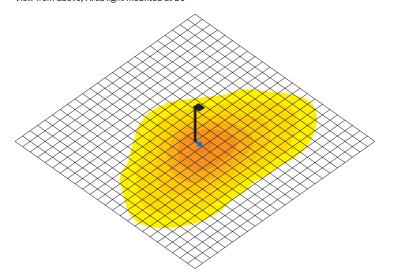
- This fixture comes pre-wired with a 7-pin twist-lock receptacle with shorting cap. Make input connections as needed and ensure connections are protected from exposure to the elements.
- Input voltage rating: 120-277V
- Ensure that input voltage on site matches the fixture you intend to install.



# **LIGHT DISTRIBUTION PATTERN** (TYPE 3 [III])

### **POLE-MOUNT**

View from above; Area light mounted at 30'



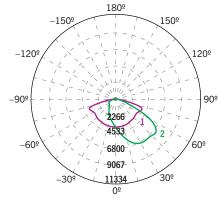
- Photometric layout for general reference only
- Grid dimension:  $10 \times 10$  sq ft



# PHOTOMETRIC SPECIFICATIONS (TYPE 3 [III])

# 

# **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 110.89

1 Violet C0 - C180

2 Green C90 - C270

Unit: cd

# FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	15,114 lm	77.8%
0 <sub>0</sub> -30 <sub>0</sub>	2,165 lm	11.2%
30º-60º	7,491 lm	38.6%
60º-80º	5,044 lm	26.1%
80º-90º	414 lm	2.1%
Back Light	4,301 lm	22.2%
0º-30º	1,151 lm	5.9%
30º-60º	1,961 lm	10.1%
60º-80º	1,090 lm	5.6%
80º-90º	98 lm	0.5%
Up Light	0 lm	0.0%
90º-100º	0 lm	0.0%
100º-180º	0 lm	0.0%

BUG* Rating					
Asymmetrical Luminare Types					
Type I, II, III, IV	B3 U0 G3				
<b>Quadrilateral Symmetrical Luminare Types</b>					
Type V, Area Light	B3 U0 G3				

<sup>\*</sup> Backlight, Uplight, Glare





# **EPA SPECIFICATIONS**

## **Medium-Size Fixture Housing**

Conditions: Horizontal winds only for calculations. Worst case total projected area used for calculations. All drag coefficients are set as worst case 1.2. For details on exact EPA calculations and assumptions, please contact productsupport@keystonetech.com

EPA Calcs (1.2*ft^2	View)	Single Fixture	2 Fixtures at 90º	2 Fixtures at 180º	3 Fixtures at 90º	3 Fixtures at 120º	4 Fixtures at 90º	2 Fixtures Side-by-Side	3 Fixtures Side-by-Side	4 Fixtures Side-by-Side
Mounting Application	Fixture Position	4	-	I	T		-1-	П	1	1111
Adjustable Pole Mount	Horizontal	0.50 sq. ft.	0.78 sq. ft.	1.01 sq. ft.	1.19 sq. ft.	1.28 sq. ft.	1.19 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
Adjustable Pole Mount	45º	1.27 sq. ft.	1.73 sq. ft.	1.27 sq. ft.	2.20 sq. ft.	3.10 sq. ft.	2.20 sq. ft.	2.53 sq. ft.	3.80 sq. ft.	5.07 sq. ft.





# **ACCESSORIES** (SOLD SEPARATELY)

### **GLARE SHIELD**

Catalog Number	Description	UPC	Easy Code
KT-ALED-GS-M1-KIT	Reversible Glare Shield Kit; Medium (fits "M1" fixture bodies); Bronze Housing	843654131801	DHT-23



# MICROWAVE OCCUPANCY SENSOR

Catalog Number	Description	UPC	Easy Code
KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32



# REMOTE CONTROL

Catalog Number	Description	UPC	Easy Code
KTS-MW3-REMOTECONTROL	Remote Control for KTS-MW3-12V-XX Sensors, Sets/adjusts all sensor performance parameters	843654132020	XSR-61





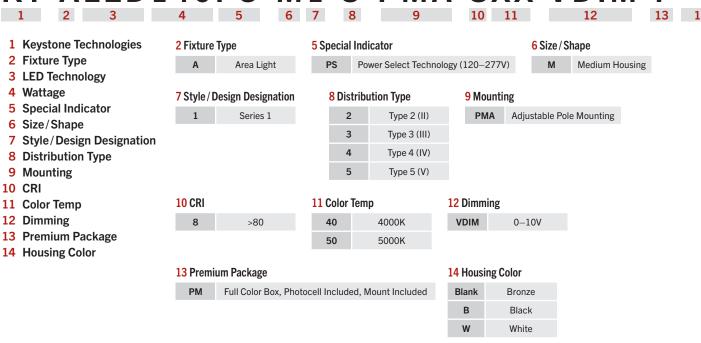


# **ORDERING INFORMATION**

ORDER CODE	PACK QTY.	UPC	Easy Code
KT-ALED140PS-M1-3-PMA-840-VDIM-P	1	843654132006	BXF-97
KT-ALED140PS-M1-3-PMA-850-VDIM-P	1	843654131306	KJN-48

# **CATALOG NUMBER BREAKDOWN**

# KT-ALED140PS-M1-3-PMA-8XX-VDIM-P







# KT-FLED15-R1A-UNV-8CSB-VDIM

COMPACT 15W GENERAL-PURPOSE LED FLOOD LIGHT

### **DESCRIPTION**

Compact 15W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)













## **PRODUCT FEATURES**

- Uniform, wide flood design (NEMA 7h × 7w distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty 1/2" knuckle mount with 90° adjustment and yoke mount options included
- Ambient operating temperature: -30°C/-22°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- 18" input cable, pre-stripped
- Fixture impact rating IK06

# **ELECTRICAL SPECIFICATIONS**

Catalog Number	Wattage	Lumens	Dimming	сст*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent	
		1920 lm		3000K	128 lm/W			Universal:				
KT-FLED15-R1A-UNV-8CSB-VDIM	15W	2175 lm	0-10V	4000K	145 lm/W	>80	>80 Bronze	Bronze	ronze 1/2" Knuckle	120-277V	50,000 hrs	70W MH
		2100 lm		5000K	140 lm/W			or yoke				

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

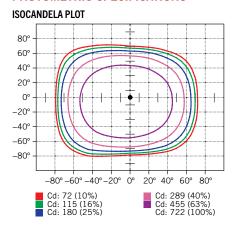
Keystone Technologies • Philadelphia PA • Phone (800) 464-2680 • www.keystonetech.com Specifications subject to change. Last revised on 08.23.21





# KT-FLED15-R1A-UNV-8CSB-VDIN COMPACT 15W GENERAL-PURPOSE LED FLOOD LIGHT

# PHOTOMETRIC SPECIFICATIONS



# **LUMINOUS INTENSITY DISTRIBUTION** \_150 -120° 120° -90 90 180 360 -60

Average diffuse angle (50%): 114.0°

902

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G6 Unit: cd

# **FLUX DISTRIBUTION**

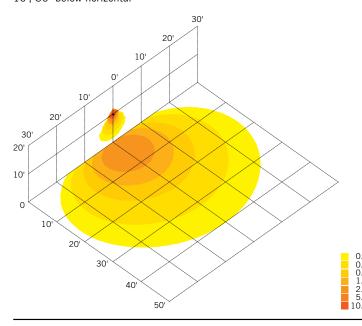
Zone	Lumens	% Luminaire
Forward Light	1,093 lm	53.7%
0°-30°	287 lm	14.1%
30°-60°	585 lm	28.7%
60°-80°	214 lm	10.5%
80°-90°	7 lm	0.4%
Back Light	925 lm	45.5%
0°-30°	277 lm	13.6%
30°-60°	513 lm	25.2%
60°-80°	134 lm	6.6%
80°-90°	2 lm	0.1%
Up Light	16 lm	0.8%
90°-100°	1 lm	0.0%
100°-180°	15 lm	0.7%

BUG* Rating						
Asymmetrical Luminare Types						
Type I, II, III, IV	B1 U2 G1					
Quadrilateral Symmetrical Luminare Types						
Type V. Area Light	B1 U2 G0					

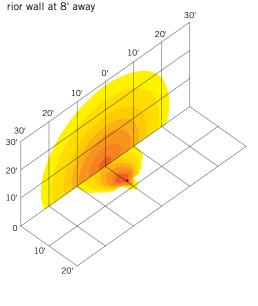
<sup>\*</sup> Backlight, Uplight, Glare

# **LIGHT DISTRIBUTION PATTERNS** (Isometric view from above)

Building exterior mounted at 10', 30° below horizontal



Ground mounted at 6" above ground, 10° above horizontal, shining towards building exte-



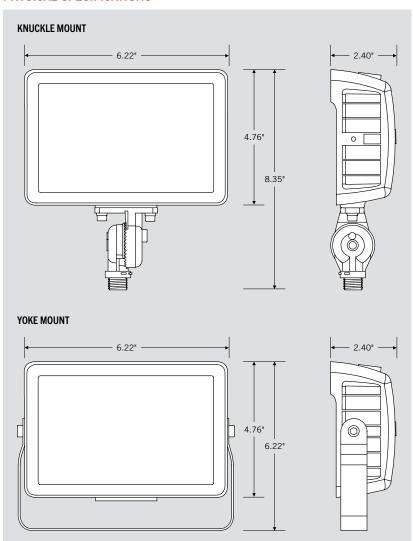
Keystone Technologies • Philadelphia PA • Phone (800) 464-2680 • www.keystonetech.com Specifications subject to change. Last revised on 08.23.21





# KT-FLED15-R1A-UNV-8CSB-VDIM COMPACT 15W GENERAL-PURPOSE LED FLOOD LIGHT

#### **PHYSICAL SPECIFICATIONS**



	EPA
Mounted Vertical	0.25 sq/ft
Mounted Horizontal	0.12 sq/ft
Mounted 45°	0.26 sg/ft



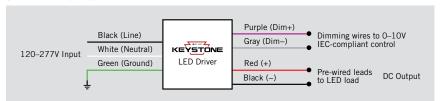


## KT-FLED15-R1A-UNV-8CSB-VDIM

COMPACT 15W GENERAL-PURPOSE LED FLOOD LIGHT

#### **GENERAL SETUP INSTRUCTIONS**

#### GENERAL WIRING DIAGRAM



**Caution:** Before installing, make certain that AC power to the fixture is off.

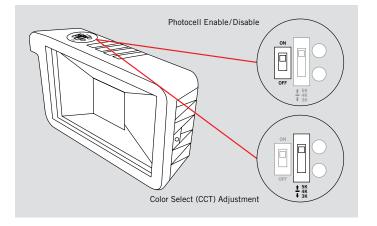
Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



#### **ACCESSORIES** (SOLD SEPARATELY)

Catalog Number	Description
KT-FLED-SM-1-KIT	Flood Light Wall Mount Kit
KT-FLED-RC-4-W	4" Round Flood Light Junction Box Cover, White
KT-FLED-RC-4	4" Round Flood Light Junction Box Cover, Bronze





# KT-FLED15-R1A-UNV-8CSB-VDIM COMPACT 15W GENERAL-PURPOSE LED FLOOD LIGHT

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-FLED15-R1A-UNV-8CSB-VDIM	1	KHS-31	843654128948

#### **CATALOG NUMBER BREAKDOWN**

### KT\_FI FD15\_D1A\_IINV\_QCCR\_VDIM

1 Keystone Technologies	2 Fixture	Туре	5 Shape		6 Style	
2 Fixture Type	F	Flood	R	Rectangular	1	Non-Cutoff
3 LED Lamp 4 Max Wattage	WP	Wallpack			2	Full-Cutoff
5 Shape	7 Distribu	ition	8 Mountii	ng	9 CRI	
6 Style 7 Distribution	A	Wide $(7 \times 7)$	UNV	Universal	8	>80
8 Mounting	В	Narrow			9	>90
9 CRI	С	Very Narrow				
O Color Color Select Designation	10 Color		11 Color	Select Designation		
2 Dimming	40	4000K	A	3500K, 4000	K, 5000K	
3 Housing Color	50	5000K	В	3000K, 4000	OK, 5000K	
	cs	Color Select	С	3000K, 3500K, 4	1000K, 5000K	
			D	TBD	)	
	12 Dimm	ing	13 Housin	ng Color		
	VDIM	0-10V		Bronze		
			В	Black		
			w	White		

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## KT-FLED35-R1A-UNV-8CSB-VDIM

COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

#### **DESCRIPTION**

Compact 35W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)











#### **PRODUCT FEATURES**

- Uniform, wide flood design (NEMA 7h × 7w distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty 1/2" knuckle mount with 90° adjustment and yoke mount options included
- Ambient operating temperature: -30°C/-22°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- 18" input cable, pre-stripped
- Fixture impact rating IK07

#### **ELECTRICAL SPECIFICATIONS**

Catalog Number	Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
		4480 lm		3000K	128 lm/W			Universal			
KT-FLED35-R1A-UNV-8CSB-VDIM	35W	5075 lm	0-10V	4000K	145 lm/W	>80	Bronze	Universal: 1/2" Knuckle	120-277V	50,000 hrs	150-175W MH
		4900 lm		5000K	140 lm/W			or yoke			

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

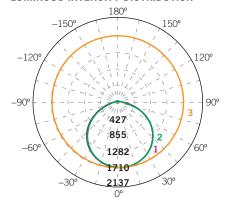


# KT-FLED35-R1A-UNV-8CSB-VDIM COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT** 80° 60° 40° 209 0° -20° $-40^{\circ}$ -60° -80° -80° -60° -40° -20° 0° 20° 40° Cd: 171 (10%) Cd: 274 (16%) Cd: 428 (25%) Cd: 684 (40%) Cd: 1077 (63%) Cd: 1710 (100%)

#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 114.3°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G3 Unit: cd

#### **FLUX DISTRIBUTION**

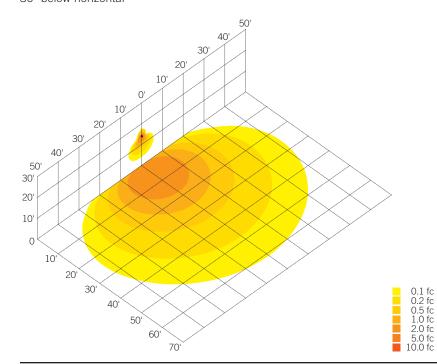
Zone	Lumens	% Luminaire
Forward Light	2,527 lm	53.2%
0°-30°	675 lm	14.2%
30°-60°	1,366 lm	28.8%
60°-80°	471 lm	9.9%
80°-90°	15 lm	0.3%
Back Light	2,181 lm	46.0%
0°-30°	656 lm	13.8%
30°-60°	1,223 lm	25.8%
60°-80°	297 lm	6.3%
80°-90°	5 lm	0.1%
Up Light	39 lm	0.8%
90°-100°	2 lm	0.0%
100°-180°	36 lm	0.8%

BUG* Rating				
Asymmetrical Lumina	re Types			
Type I, II, III, IV	B2 U2 G1			
Quadrilateral Symmetrical Luminare Types				
Type V, Area Light	B2 U2 G1			

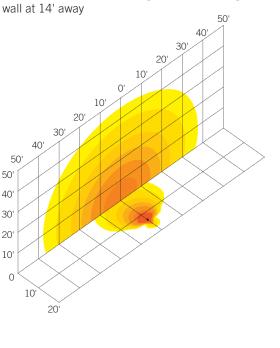
<sup>\*</sup> Backlight, Uplight, Glare

#### **LIGHT DISTRIBUTION PATTERNS** (Isometric view from above)

Building exterior mounted at 15', 30° below horizontal



Ground mounted at 6" above ground, 10° above horizontal, shining towards building exterior

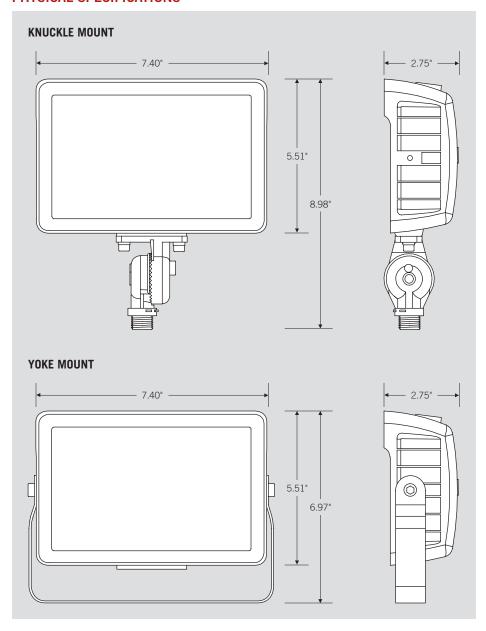






# KT-FLED35-R1A-UNV-8CSB-VDIM COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

#### **PHYSICAL SPECIFICATIONS**





# KT-FLED35-R1A-UNV-8CSB-VDIM COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



Caution: Before installing, make certain that AC power to the fixture is off.

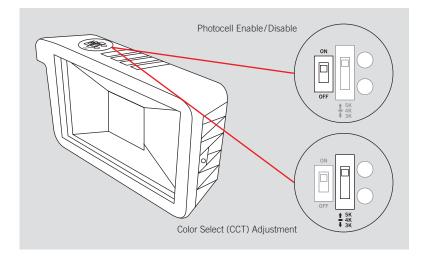
Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



#### **ACCESSORIES** (SOLD SEPARATELY)

Catalog Number	Description
KT-FLED-SM-1-KIT	Flood Light Wall Mount Kit
KT-FLED-RC-4-W	4" Round Flood Light Junction Box Cover, White
KT-FLED-RC-4	4" Round Flood Light Junction Box Cover, Bronze



COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-FLED35-R1A-UNV-8CSB-VDIM	1	DND-10	843654128962

#### **CATALOG NUMBER BREAKDOWN**

### D35-R1A-UNV-8CSB-VDIM

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Shape
- 6 Style
- 7 Distribution
- **8** Mounting
- 9 CRI
- 10 Color
- 11 Color Select Designation
- 12 Dimming
- 13 Housing Color
- 14 Sensor Options

#### 2 Fixture Type

F	Flood
WP	Wallpack

	1 1000
WP	Wallpack

# 7 Distribution

Α	Wide $(7 \times 7)$
В	Narrow
С	TBD Very Narrow

5 Shape

R

o Mounting					
UNV	Universal				

#### 6 Style

1	Non-Cutoff
2	Full-Cutoff

#### 8 Mounting

Universal

Rectangular

Circular

#### 9 CRI

8	>80
0	>00
9	>90

#### 10 Color

40	4000K
50	5000K
CS	Color Select

#### **11** Color Select Designation

	_
Α	3500K, 4000K, 5000K
В	3000K, 4000K, 5000K
С	3000K, 3500K, 4000K, 5000K
D	TBD

#### 12 Dimming

	8
VDIM	0-10V

#### **13** Housing Color

	Bronze
В	Black
w	White

#### 14 Sensor Options

	No option
/PIR	Occupancy sensor included

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## KT-FLED60-R1A-UNV-8CSB-VDIM

COMPACT 60W GENERAL-PURPOSE LED FLOOD LIGHT

#### **DESCRIPTION**

Compact 60W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)











#### **PRODUCT FEATURES**

- Uniform, wide flood design (NEMA 7h × 7w distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty 1/2" knuckle mount with 90° adjustment and yoke mount options included
- Ambient operating temperature: -30°C/-22°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- 18" input cable, pre-stripped
- Fixture impact rating IK07

#### **ELECTRICAL SPECIFICATIONS**

Catalog Number	Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
KT-FLED60-R1A-UNV-8CSB-VDIM	60W	7320 lm	0-10V	3000K	122 lm/W	>80	Bronze	Universal: 1/2" Knuckle or yoke	120–277V	50,000 hrs	250W MH
		8580 lm		4000K	143 lm/W						
		8040 lm		5000K	134 lm/W						

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

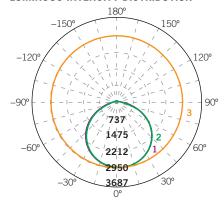


# KT-FLED60-R1A-UNV-8CSB-VDIM COMPACT 60W GENERAL-PURPOSE LED FLOOD LIGHT

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT** 80° 60° 40° 20 0° -20° $-40^{\circ}$ -60° -80° -80° -60° -40° -20° 20° 40° 60° Cd: 295 (10%) Cd: 472 (16%) Cd: 738 (25%) Cd: 1180 (40%) Cd: 1859 (63%) Cd: 2950 (100%)

#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 114.9°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G2

Unit: cd

#### **FLUX DISTRIBUTION**

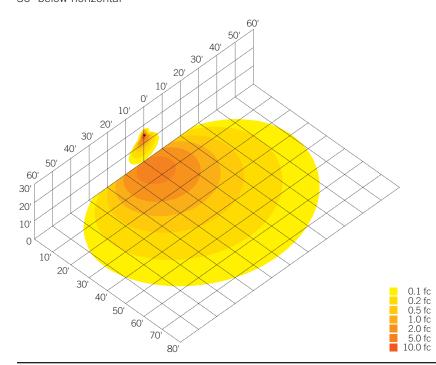
Zone	Lumens	% Luminaire
Forward Light	4,171 lm	50.8%
0°-30°	1,159 lm	14.1%
30°-60°	2,300 lm	28.0%
60°-80°	699 lm	8.5%
80°-90°	14 lm	0.2%
Back Light	3,981 lm	48.4%
0°-30°	1,146 lm	13.9%
30°-60°	2,200 lm	26.8%
60°-80°	624 lm	7.6%
80°-90°	11 lm	0.1%
Up Light	65 lm	0.8%
90°-100°	3 lm	0.0%
100°-180°	61 lm	0.7%

BUG* Rating					
Asymmetrical Luminare Types					
Type I, II, III, IV B3 U2 G2					
Quadrilateral Symmetrical Luminare Types					
Type V, Area Light	B3 U2 G1				

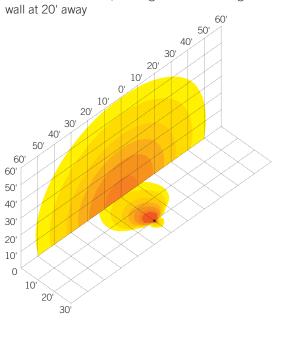
<sup>\*</sup> Backlight, Uplight, Glare

#### **LIGHT DISTRIBUTION PATTERNS** (Isometric view from above)

Building exterior mounted at 15', 30° below horizontal



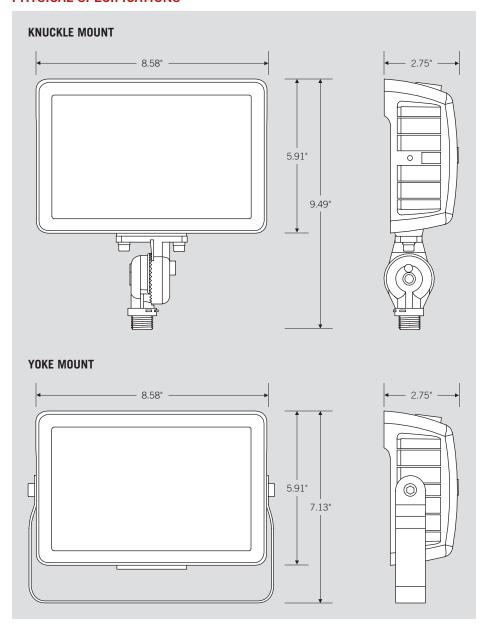
Ground mounted at 6" above ground, 10° above horizontal, shining towards building exterior





# KT-FLED60-R1A-UNV-8CSB-VDIM COMPACT 60W GENERAL-PURPOSE LED FLOOD LIGHT

#### **PHYSICAL SPECIFICATIONS**





## KT-FLED60-R1A-UNV-8CSB-VDIM

COMPACT 60W GENERAL-PURPOSE LED FLOOD LIGHT

#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



**Caution:** Before installing, make certain that AC power to the fixture is off.

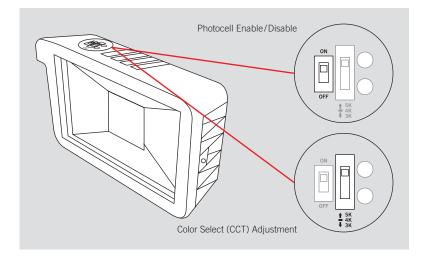
**Caution:** The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



#### **ACCESSORIES** (SOLD SEPARATELY)

Catalog Number	Description
KT-FLED-SM-1-KIT	Flood Light Wall Mount Kit
KT-FLED-RC-4-W	4" Round Flood Light Junction Box Cover, White
KT-FLED-RC-4	4" Round Flood Light Junction Box Cover, Bronze



### KT-FLED60-R1A-UNV-8CSB-V

COMPACT 60W GENERAL-PURPOSE LED FLOOD LIGHT

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-FLED60-R1A-UNV-8CSB-VDIM	1	BVB-78	843654128986

#### **CATALOG NUMBER BREAKDOWN**

### D60-R1A-UNV-8CSB-VDIM

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Shape
- 6 Style
- 7 Distribution
- 8 Mounting
- 9 CRI
- 10 Color
- 11 Color Select Designation
- 12 Dimming
- 13 Housing Color
- 14 Sensor Options

#### 2 Fixture Type

F	Flood
WP	Wallpack

F	Flood
WP	Wallpack

7 Distribution		
Α	Wide $(7 \times 7)$	
В	Narrow	

TBD Very Narrow

5 Shape

R	Rectangular
С	Circular

# 9 CRI

6 Style

1

8 Mounting		
UNV	Universal	

• • • • • • • • • • • • • • • • • • • •	
8	>80
9	>90

Non-Cutoff

Full-Cutoff

#### 10 Color

40	4000K
50	5000K
CS	Color Select

#### 11 Color Select Designation

Α	3500K, 4000K, 5000K
В	3000K, 4000K, 5000K
С	3000K, 3500K, 4000K, 5000K
D	TBD

#### 12 Dimming

	8
VDIM	0-10V

#### **13** Housing Color

	_
	Bronze
В	Black
w	White

#### 14 Sensor Options

	No option
/PIR	Occupancy sensor included

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## KT-FLED75-R1A-UNV-8CSB-VDIM

COMPACT 75W GENERAL-PURPOSE LED FLOOD LIGHT

#### **DESCRIPTION**

Compact 75W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)











#### **PRODUCT FEATURES**

- Uniform, wide flood design (NEMA 7h × 7w distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty slip fitter mount and trunnion mount options included
- Ambient operating temperature: -40°C/-40°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- 18" input cable, pre-stripped
- Fixture impact rating IK07

#### **ELECTRICAL SPECIFICATIONS**

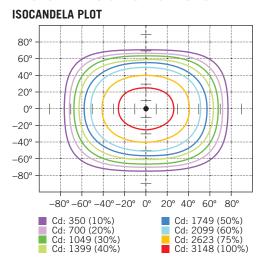
Catalog Number	Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
		9150 lm		3000K	122 lm/W			Universal:			
KT-FLED75-R1A-UNV-8CSB-VDIM	75W	10725 lm	0-10V	4000K	143 lm/W	>80	Bronze	2 3/8" Slip fitter	120-277V	50,000 hrs	250-320W MH
		10050 lm		5000K	134 lm/W			Slip fitter 120–2777 50,000 III or trunnion			

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

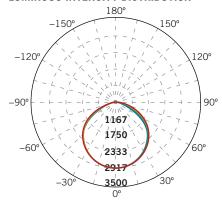


# KT-FLED75-R1A-UNV-8CSB-VDIM COMPACT 75W GENERAL-PURPOSE LED FLOOD LIGHT

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 114.2°

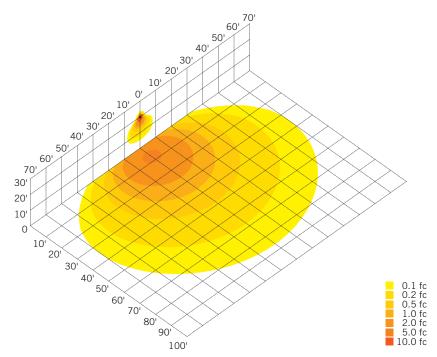
- 1 Blue 0° H
- 2 Red-90° H
- 3 Green 22.5° H
- 4 Orange 45° H
- 5 Grey 67.5° H

#### **FLUX DISTRIBUTION**

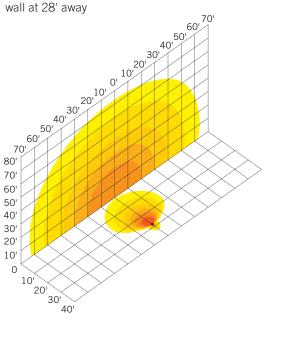
Zone	Lumens	% Luminaire
Forward Light	4,702 lm	49.6%
0°-30°	1,377 lm	14.4%
30°-60°	2,659 lm	27.8%
60°-80°	696 Im	7.3%
80°-90°	10 lm	0.1%
Back Light	4,814 lm	50.4%
0°-30°	1,366 lm	14.3%
30°-60°	2,644 lm	27.7%
60°-80°	788 lm	8.2%
80°-90°	16 lm	0.2%
Up Light	0 lm	0.0%
90°-100°	0 lm	0.0%
100°-180°	0 lm	0.0%

#### **LIGHT DISTRIBUTION PATTERNS** (Isometric view from above)

Building exterior mounted at 20', 30° below horizontal



Ground mounted at 6" above ground, 10° above horizontal, shining towards building exterior

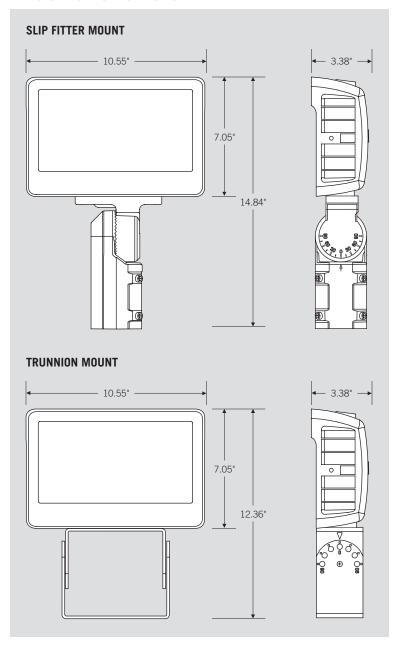






# KT-FLED75-R1A-UNV-8CSB-VDIM COMPACT 75W GENERAL-PURPOSE LED FLOOD LIGHT

#### **PHYSICAL SPECIFICATIONS**





# KT-FLED75-R1A-UNV-8CSB-VDIM

COMPACT 75W GENERAL-PURPOSE LED FLOOD LIGHT

#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



**Caution:** Before installing, make certain that AC power to the fixture is off.

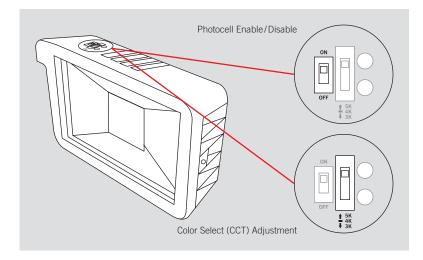
**Caution:** The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



#### ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-FLED75-R1A-UNV-8CSB-VDIM	1	WDN-12	843654130293

Occupancy sensor included

/PIR





Black

White

## KT-FLED75-R1A-UNV-8CSB-VDIM

COMPACT 75W GENERAL-PURPOSE LED FLOOD LIGHT

#### **CATALOG NUMBER BREAKDOWN**

### KT-FLED75-R1A-UNV-8CSB-VDIM

1 2 3 4 5 6 7	8		J - V	12	13	14
1 Keystone Technologies	2 Fixture	е Туре	5 Shape		6 Style	
2 Fixture Type	F	Flood	R	Rectangular	1	Non-Cutoff
3 LED Lamp	WP	Wallpack	С	Circular	2	Full-Cutoff
4 Max Wattage						
5 Shape	7 Distril	oution	8 Mount	ing	9 CRI	
6 Style 7 Distribution	Α	Wide $(7 \times 7)$	UNV	Universal	8	>80
8 Mounting	В	Narrow			9	>90
9 CRI	С	TBD Very Narrow				
10 Color						
11 Color Select Designation	10 Colo	r	11 Colo	r Select Designa	tion	
12 Dimming	40	4000K	Α	3500K, 4000	K, 5000K	
13 Housing Color	50	5000K	В	3000K, 4000	K, 5000K	
14 Sensor Options	cs	Color Select	С	3000K, 3500K, 4	1000K, 5000K	
			D	ТВІ	)	
	12 Dimr	12 Dimming		ing Color	14 Senso	r Options
	VDIM	0-10V		Bronze		No option

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Specifications subject to change. Last revised on 12.09.20

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### KT-FLED100-R1A-UNV-8CSB-VDIM

COMPACT 100W GENERAL-PURPOSE LED FLOOD LIGHT

#### **DESCRIPTION**

Compact 100W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

#### **APPLICATION**

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)











#### **PRODUCT FEATURES**

- Uniform, wide flood design (NEMA 7h × 7w distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty slip fitter mount and trunnion mount options included
- Ambient operating temperature: -40°C/-40°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- 18" input cable, pre-stripped
- Fixture impact rating IK07

#### **ELECTRICAL SPECIFICATIONS**

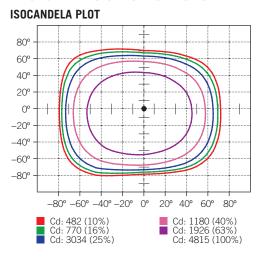
Catalog Number	Wattage	Lumens	Dimming	сст*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
		12200 lm		3000K	122 lm/W			Universal:		50,000 hrs	400W MH
KT-FLED100-R1A-UNV-8CSB-VDIM	100W	14300 lm	0-10V	4000K	143 lm/W	>80	Bronze	2 3/8" Slip fitter	120-277V		
		13400 lm		5000K	134 lm/W			or trunnion			

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

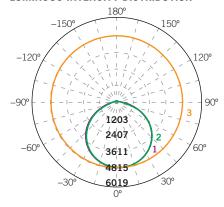


# KT-FLED100-R1A-UNV-8CSB-VDIM COMPACT 100W GENERAL-PURPOSE LED FLOOD LIGHT

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 114.2°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G2

Unit: cd

#### **FLUX DISTRIBUTION**

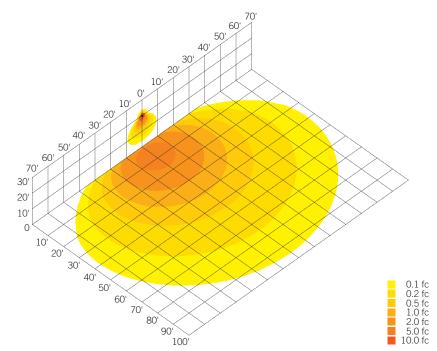
Zone	Lumens	% Luminaire
Forward Light	6,890 lm	51.7%
0°-30°	1,901 lm	14.3%
30°-60°	3,804 lm	28.5%
60°-80°	1,156 lm	8.7%
80°-90°	28 lm	0.2%
Back Light	6,331 lm	47.5%
0°-30°	1,864 lm	14.0%
30°-60°	3,550 lm	26.6%
60°-80°	899 lm	6.7%
80°-90°	17 lm	0.1%
Up Light	106 lm	0.8%
90°-100°	6 lm	0.0%
100°-180°	100 lm	0.8%

BUG* Rating								
Asymmetrical Luminare Types								
Type I, II, III, IV	B3 U3 G2							
Quadrilateral Symmetrical Luminare Type								
Type V, Area Light	B3 U3 G1							

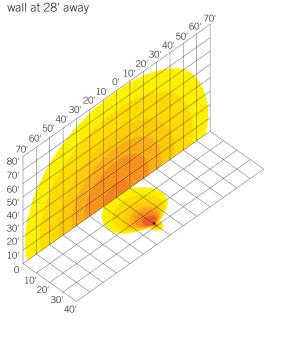
<sup>\*</sup> Backlight, Uplight, Glare

#### **LIGHT DISTRIBUTION PATTERNS** (Isometric view from above)

Building exterior mounted at 20', 30° below horizontal



Ground mounted at 6" above ground, 10° above horizontal, shining towards building exterior

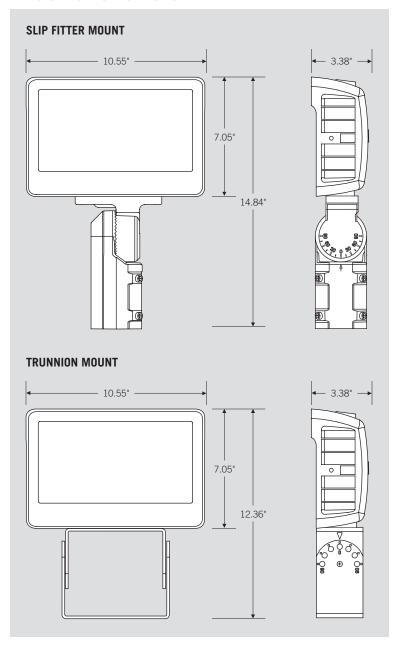






# KT-FLED100-R1A-UNV-8CSB-VDIM COMPACT 100W GENERAL-PURPOSE LED FLOOD LIGHT

#### **PHYSICAL SPECIFICATIONS**



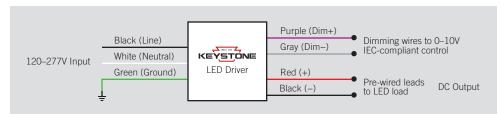


### KT-FLED100-R1A-UNV-8CSB-VDIM

COMPACT 100W GENERAL-PURPOSE LED FLOOD LIGHT

#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



**Caution:** Before installing, make certain that AC power to the fixture is off.

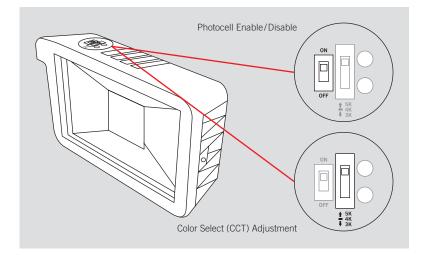
**Caution:** The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



#### ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-FLED100-R1A-UNV-8CSB-VDIM	1	JDK-34	843654129006

Occupancy sensor included

/PIR





В

Black

White

### KT-FLED100-R1A-UNV-8CSB-VDIM

COMPACT 100W GENERAL-PURPOSE LED FLOOD LIGHT

#### **CATALOG NUMBER BREAKDOWN**

### KT-FLED100-R1A-UNV-8CSB-VDIM

WI-I FFDIOO-	IV T W- O IA	<b>A-9C</b>	<b>J</b> D-	ADIIA		
1 2 3 4	5 6 7 8	9 1	0 11	12	13	14
1 Keystone Technologies	2 Fixtu	ire Type	5 Shape		6 Style	
2 Fixture Type	F	Flood	R	Rectangular	1	Non-Cutoff
3 LED Lamp	WP	Wallpack	С	Circular	2	Full-Cutoff
4 Max Wattage						
5 Shape	7 Distr	ribution	8 Mount	ing	9 CRI	
6 Style 7 Distribution	Α	Wide $(7 \times 7)$	UNV	Universal	8	>80
8 Mounting	В	Narrow			9	>90
9 CRI	С	TBD Very Narrow				
O Color						
1 Color Select Designation	10 Col	or	11 Colo	Select Designa	tion	
2 Dimming	40	4000K	Α	3500K, 4000	K, 5000K	
3 Housing Color	50	5000K	В	3000K, 4000	K, 5000K	
4 Sensor Options	cs	Color Select	С	3000K, 3500K, 4	1000K, 5000K	
			D	TBI	)	
	12 Din	12 Dimming		ing Color	14 Senso	or Options
	VDIM	0-10V		Bronze		No option

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### KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Traditional 35W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)











#### **PRODUCT FEATURES**

- Traditional design matches appearance and light distribution pattern of legacy HID, optimized for one-for-one replacements
- Heavy-duty, die-cast aluminum housing with (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Borosilicate glass lens diffuses light source and provides uniform distribution
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK06
- Compatible with Keystone LED Emergency Backups

#### **ELECTRICAL SPECIFICATIONS**

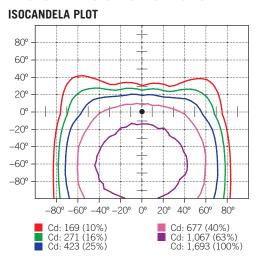
Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	сст*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent	
		4885 lm	4400 lm		3000K	140 lm/W	>80 Bronze					
KT-WPLED35-M1-8CSB-VDIM	35W	5460 lm	4910 lm	0-10V	4000K	156 lm/W		W >80 Bronze	Bronze 12	120-277V	Rated Life 50,000 hrs	50,000 hrs
		5010 lm	4505 lm		5000K	143 lm/W				50,000 hrs		

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

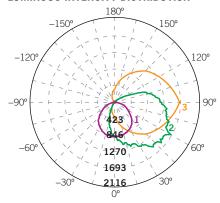


# KT-WPLED35-M1-8CSB-VDIM TRADITIONAL 35W NON-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 111.0°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G60

Unit: cd

#### **FLUX DISTRIBUTION**

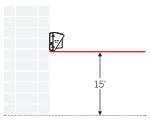
Zone	Lumens	% Luminaire
Forward Light	3,845 lm	79.5%
0°-30°	591 lm	12.2%
30°-60°	1,673 lm	34.6%
60°-80°	1,166 lm	24.1%
80°-90°	416 lm	8.6%
Back Light	507 lm	10.5%
0°-30°	210 lm	4.4%
30°-60°	227 lm	4.7%
60°-80°	59 lm	1.2%
80°-90°	10 lm	0.2%
Up Light	481 lm	9.9%
90°-100°	215 lm	4.4%
100°-180°	267 lm	5.5%

BUG* Rating			
Asymmetrical Luminare Types			
Type I, II, III, IV B1 U3 G3			
Quadrilateral Symmetrical Luminare Types			
Type V, Area Light	B1 U3 G3		

<sup>\*</sup> Backlight, Uplight, Glare

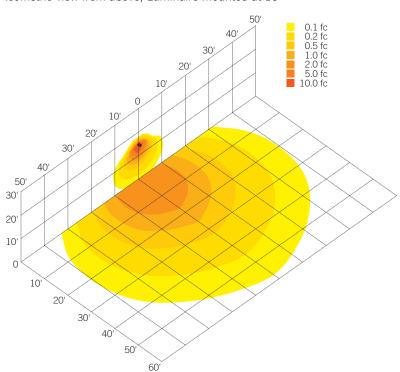
#### **MOUNTING**

Side view



#### LIGHT DISTRIBUTION PATTERN

Isometric view from above; Luminaire mounted at 15'

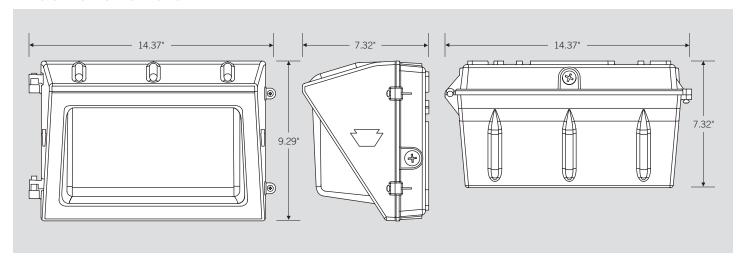




### KT-WPLED35-M1-8CSB-VDIM

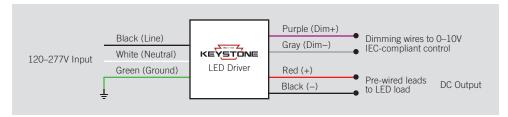
TRADITIONAL 35W NON-CUTOFF LED WALL PACK

#### PHYSICAL SPECIFICATIONS



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



**Caution:** Before installing, make certain that AC power to the fixture is off.

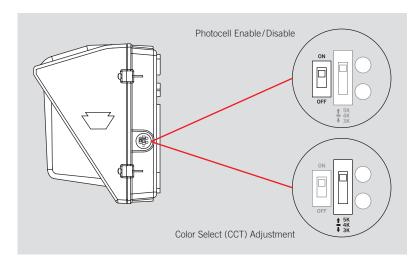
**Caution:** The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.







### KT-WPLED35-M1-8CSB-V

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

#### **ACCESSORY** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED35-M1-8CSB-VDIM	1	SXE-77	843654129013

#### **CATALOG NUMBER BREAKDOWN**

### T-WPLED35-M1-8CSB-VDIM

1 Keystone Technologies

- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Color Select Designation
- 10 Dimming
- 11 Sensor Options

2	Fiveuro	Tuno
Z	Fixture	Type

7 CRI

8

9

F	Flood
WP	Wallpack

>80

>90

S	Small
M	Medium

5 Size

8 Color

<b>L</b> Large

9 Color	Select Designation
Α	3500K, 4000K, 5

Non-Cutoff

Full-Cutoff

6 Style

1

40	4000K
50	5000K
cs	Color Select

Α	3500K, 4000K, 5000K
В	3000K, 4000K, 5000K
С	3000K, 3500K, 4000K, 5000K
D	TBD

#### 10 Dimming

. • • • • • • • • • • • • • • • • • • •	8
VDIM	0-10V

#### 11 Sensor Options

	No option
/PIR	Occupancy sensor included

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# KT-WPLED55-M1-8CSB-VDIM

TRADITIONAL 55W NON-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Traditional 55W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)











#### **PRODUCT FEATURES**

- Traditional design matches appearance and light distribution pattern of legacy HID, optimized for one-for-one replacements
- Heavy-duty, die-cast aluminum housing with (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Borosilicate glass lens diffuses light source and provides uniform distribution
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK06
- Compatible with Keystone LED Emergency Backups

#### **ELECTRICAL SPECIFICATIONS**

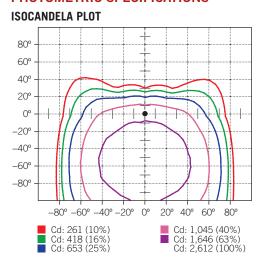
Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED55-M1-8CSB-VDIM	55W	7200 lm	6480 lm	0-10V	3000K	131 lm/W	>80	Bronze	120-277V	50,000 hrs	175–250W MH
		7690 lm	6895 lm		4000K	140 lm/W					
		7450 lm	6705 lm		5000K	135 lm/W					

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

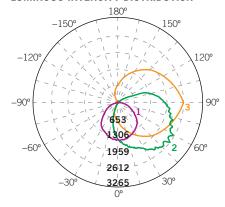


# KT-WPLED55-M1-8CSB-VDIN TRADITIONAL 55W NON-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 109.9°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G52

Unit: cd

#### **FLUX DISTRIBUTION**

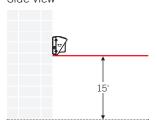
Zone	Lumens	% Luminaire			
Forward Light	6,006 lm	81.9%			
0°-30°	734 lm	10.0%			
30°-60°	2,633 lm	35.9%			
60°-80°	1,981 lm	27.0%			
80°-90°	658 lm	9.0%			
Back Light	629 lm	8.6%			
0°-30°	241 lm	3.3%			
30°-60°	294 lm	4.0%			
60°-80°	80 lm	1.1%			
80°-90°	15 lm	0.2%			
Up Light	691 lm	9.5%			
90°-100°	313 lm	4.3%			
100°-180°	378 lm	5.2%			

BUG* Rating				
Asymmetrical Luminare Types				
Type I, II, III, IV	B1 U3 G4			
Quadrilateral Symmetrical Luminare Types				
Type V, Area Light	B1 U3 G4			

<sup>\*</sup> Backlight, Uplight, Glare

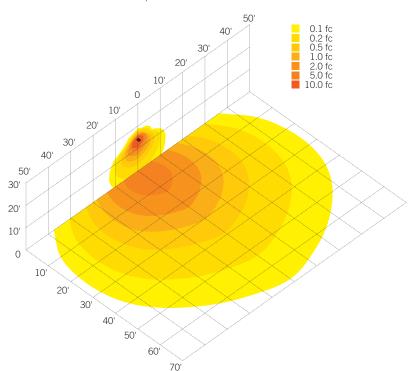
#### **MOUNTING**

Side view



#### LIGHT DISTRIBUTION PATTERN

Isometric view from above; Luminaire mounted at 15'

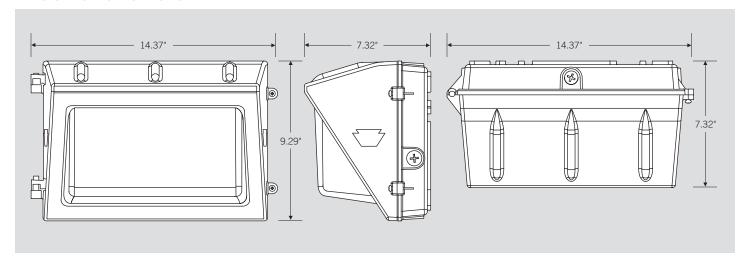




### KT-WPLED55-M1-8CSB-VDIM

TRADITIONAL 55W NON-CUTOFF LED WALL PACK

#### PHYSICAL SPECIFICATIONS



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



**Caution:** Before installing, make certain that AC power to the fixture is off.

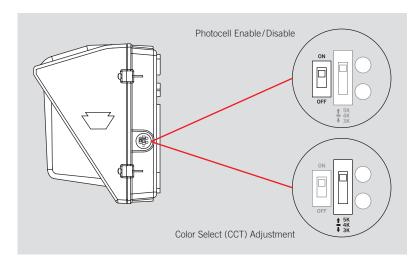
**Caution:** The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.







#### KT-WPLED55-M1-8CSB-VD

TRADITIONAL 55W NON-CUTOFF LED WALL PACK

#### **ACCESSORY** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design

#### ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED55-M1-8CSB-VDIM	1	BYJ-72	843654129020

#### **CATALOG NUMBER BREAKDOWN**

#### T-WPLED55-M1-8CSB-VDIM

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Color Select Designation
- 10 Dimming
- 11 Sensor Options

7 CRI

8

9

F	Flood
WP	Wallpack

>80

>90

mall
dium

8 Color	
40	4000K
50	5000K

Large

Color Select

9 Color	9 Color Select Designation					
Α	3500K, 4000K, 5000K					
В	3000K, 4000K, 5000K					

Non-Cutoff

Full-Cutoff

3000K, 3500K, 4000K, 5000K

TBD

11

6 Style

1

#### 10 Dimming

O Dillilling							
VDIM	0-10V						

11	Sensor	Ontion
	3611301	Option

CS

	No option
/PIR	Occupancy sensor included

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#### KT-WPLED80-M1-8CSB-VDIM

TRADITIONAL 80W NON-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Traditional 80W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)











#### **PRODUCT FEATURES**

- Traditional design matches appearance and light distribution pattern of legacy HID, optimized for one-for-one replacements
- Heavy-duty, die-cast aluminum housing with (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Borosilicate glass lens diffuses light source and provides uniform distribution
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK06
- Compatible with Keystone LED Emergency Backups

#### **ELECTRICAL SPECIFICATIONS**

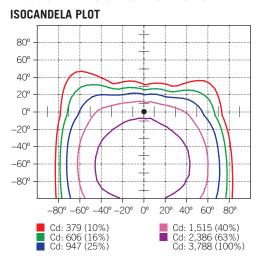
Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
		10955 lm	lm 9860 lm 3000K 137 lm/W								
KT-WPLED80-M1-8CSB-VDIM		11925 lm	10730 lm	0-10V	4000K	149 lm/W	>80	Bronze	120-277V	50,000 hrs	250–320W MH
		11360 lm	10225 lm		5000K	142 lm/W					

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

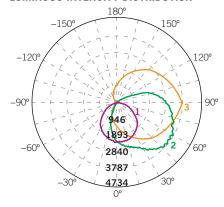


## KT-WPLED80-M1-8CSB-VDIM TRADITIONAL 80W NON-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 111.4°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G51

Unit: cd

#### **FLUX DISTRIBUTION**

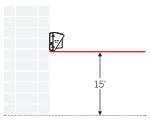
Zone	Lumens	% Luminaire
Forward Light	8,671 lm	79.6%
0°-30°	1,281 lm	11.8%
30°-60°	3,696 lm	33.9%
60°-80°	2,660 lm	24.4%
80°-90°	1,035 lm	9.5%
Back Light	1,029 lm	9.5%
0°-30°	409 lm	3.8%
30°-60°	471 lm	4.3%
60°-80°	126 lm	1.2%
80°-90°	23 lm	0.2%
Up Light	1,195 lm	11.0%
90°-100°	551 lm	5.1%
100°-180°	644 Im	5.9%

BUG* Rating		
Asymmetrical Luminare Types		
Type I, II, III, IV	B1 U4 G5	
<b>Quadrilateral Symmetrical Luminare Types</b>		
Type V, Area Light	B1 U4 G5	

<sup>\*</sup> Backlight, Uplight, Glare

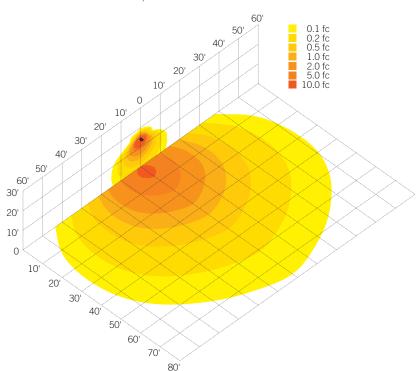
#### **MOUNTING**

Side view



#### LIGHT DISTRIBUTION PATTERN

Isometric view from above; Luminaire mounted at 15'

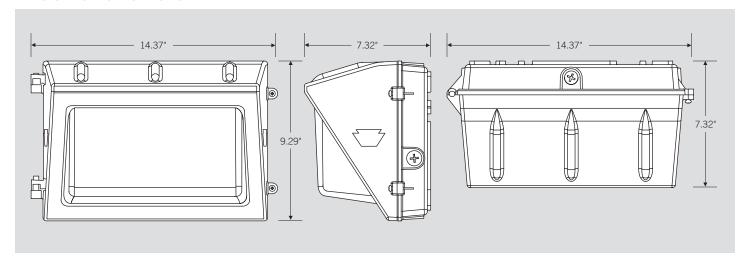




#### KT-WPLED80-M1-8CSB-VDIM

TRADITIONAL 80W NON-CUTOFF LED WALL PACK

#### PHYSICAL SPECIFICATIONS



#### **GENERAL SETUP INSTRUCTIONS**

#### GENERAL WIRING DIAGRAM



**Caution:** Before installing, make certain that AC power to the fixture is off.

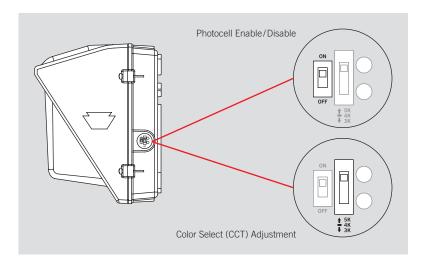
**Caution:** The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.







#### KT-WPLED80-M1-8CSB-VDIM

TRADITIONAL 80W NON-CUTOFF LED WALL PACK

#### **ACCESSORY** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design

#### ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED80-M1-8CSB-VDIM	1	XNA-33	843654129037

#### **CATALOG NUMBER BREAKDOWN**

#### KT-WPLED80-M1-8CSB-VDIM

1 Keystone Technologies

- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Color Select Designation
- 10 Dimming
- 11 Sensor Options

2 Fixture	Type
-----------	------

F	Flood
WP	Wallpack

5 Size	
S	
М	

8 Color

Small	
Medium	
Large	

#### 6 Style

11

1	Non-Cutoff
2	Full-Cutoff

#### 7 CRI

8	>80
9	>90

• •••••	
40	4000K
50	5000K
cs	Color Select

#### 9 Color Select Designation

Α	3500K, 4000K, 5000K
В	3000K, 4000K, 5000K
С	3000K, 3500K, 4000K, 5000K
D	TBD

#### **10** Dimming

	8	
VDIM	0-10V	

#### 11 Sensor Options

	No option
/PIR	Occupancy sensor included

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## KT-WPLED120-L1-8CSB-VDIM TRADITIONAL 120W NON-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Traditional 120W Non-Cutoff LED Wall Pack | 120-277V Input | 3000–5000K | Large-Size Bronze Housing | Glass Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)











#### PRODUCT FEATURES

- Traditional design matches appearance and light distribution pattern of legacy HID, optimized for one-for-one replacements
- Heavy-duty, die-cast aluminum housing with (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Borosilicate glass lens diffuses light source and provides uniform distribution
- Covers footprint of large HID wallpacks
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK06
- Compatible with Keystone LED Emergency Backups

#### **ELECTRICAL SPECIFICATIONS**

Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	ССТ*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
		16410 lm	14770 lm		3000K	137 lm/W					
KT-WPLED120-L1-8CSB-VDIM	120W	17865 lm	16075 lm	0-10V	4000K	149 lm/W	>80	Bronze	120-277V	50,000 hrs	400W MH
		16900 lm	15210 lm		5000K	141 lm/W					

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78,377-2017

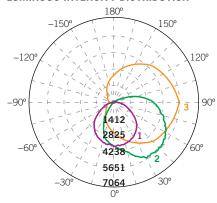


## KT-WPLED120-L1-8CSB-VDIN TRADITIONAL 120W NON-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT** 80° 60° 40° 20° 0° -20° -40° -60° $-80^{\circ}$ -80° -60° -40° -20° 0° 20° 40° 60° 80° Cd: 2,261 (40%) Cd: 3,560 (63%) Cd: 5,651 (100%) Cd: 904 (16%)

#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 112.3°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G46

Unit: cd

#### **FLUX DISTRIBUTION**

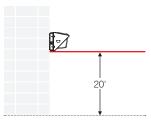
Zone	Lumens	% Luminaire
Forward Light	11,932 lm	71.6%
0°-30°	1,998 lm	12.0%
30°-60°	5,312 lm	31.9%
60°-80°	3,365 lm	20.2%
80°-90°	1,257 lm	7.5%
Back Light	2,803 lm	17.0%
0°-30°	1,280 lm	7.7%
30°-60°	1,273 lm	7.6%
60°-80°	250 lm	1.5%
80°-90°	39 lm	0.2%
Up Light	1,877 lm	11.3%
90°-100°	899 lm	5.4%
100°-180°	979 lm	5.9%

BUG* Rating				
Asymmetrical Lumina	re Types			
Type I, II, III, IV	B3 U4 G5			
<b>Quadrilateral Symmetrical Luminare Types</b>				
Type V, Area Light	B3 U4 G5			

<sup>\*</sup> Backlight, Uplight, Glare

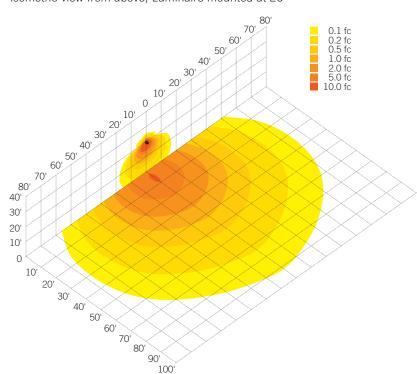
#### **MOUNTING**

Side view



#### LIGHT DISTRIBUTION PATTERN

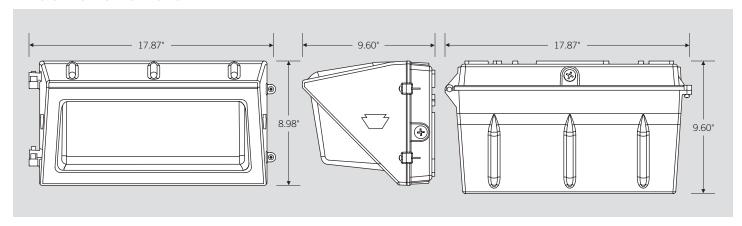
Isometric view from above; Luminaire mounted at 20'





## KT-WPLED120-L1-8CSB-VDIM TRADITIONAL 120W NON-CUTOFF LED WALL PACK

#### PHYSICAL SPECIFICATIONS



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



Caution: Before installing, make certain that AC power to the fixture is off.

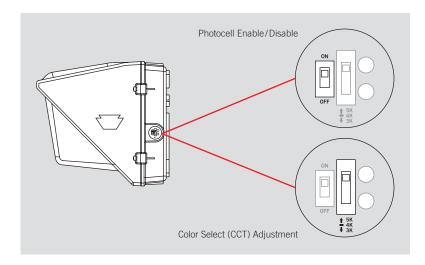
**Caution:** The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.





#### KT-WPLED120-L1-8CSB-VD

TRADITIONAL 120W NON-CUTOFF LED WALL PACK

#### **ACCESSORY** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design

#### ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED120-M1-8CSB-VDIM	1	EVM-25	843654129044

#### **CATALOG NUMBER BREAKDOWN**

#### T-WPLED120-L1-8CSB-VDIM

1	Kevstone	Techn	ologies

- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Color Select Designation
- 10 Dimming
- 11 Sensor Options

#### 2 Fixture Type

F	Flood
WP	Wallpack

S	Small
М	Medium
L	Large

5 Size

-	
1	Non-Cuto
2	Full-Cuto

6 Style

7 CRI	
8	>80
9	>90

8 Color	
40	4000K
50	5000K
cs	Color Select

9 Color	9 Color Select Designation							
Α	3500K, 4000K, 5000K							
<b>B</b> 3000K, 4000K, 5000K								
С	3000K, 3500K, 4000K, 5000K							
D	TBD							

10 Dimming
------------

	8
VDIM	0-10V

11 Sensor Options								
	No option							
/PIR	Occupancy							

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## KT-WPLED40-M2-8XX-VDIM ARCHITECTURAL 40W FULL-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Architectural 40W Full-Cutoff LED Wall Pack | 120–277V Input | 4000–5000K | Medium-Size Bronze Housing | Wide Optic Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)









#### **PRODUCT FEATURES**

- Architectural full-cutoff design improves the appearance of building exteriors and optimizes functional light distribution
- Heavy-duty, die-cast aluminum housing features modern aesthetics while retaining (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Dark Sky friendly performance, eliminates undesirable sky glow and glare
- Features one translucent 3/4" threaded plug with anti-yellowing agent for use with photocell accessory KT-WPLED-PS-UV-KO
- Precision-crafted optical lens provides wide distribution pattern ideal for increased fixture spacing and uniformity
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK08
- Compatible with Keystone LED Emergency Backups

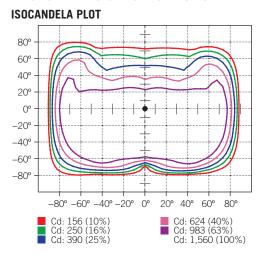
#### **ELECTRICAL SPECIFICATIONS**

Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	ССТ	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED40-M2-840-VDIM	40W	5000 lm	4965 lm	0.101/	4000K	125 lm/W	- 00	Dronzo	120-277V	50.000 hrs	175\\/\\
KT-WPLED40-M2-850-VDIM	4000	5200 lm	5160 lm	0–10V	5000K	130 lm/W	>80	Bronze	120-2777	50,000 nrs	175W MH



## KT-WPLED40-M2-8XX-VDIM ARCHITECTURAL 40W FULL-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS

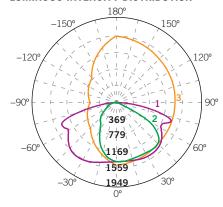


15

**MOUNTING** 

Side view

#### **LUMINOUS INTENSITY DISTRIBUTION**



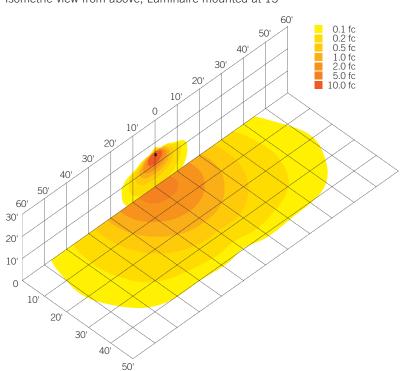
Average diffuse angle (50%): 125.1°

- 1 Violet C0-C180
- 2 Green C90-C270
- 3 Orange G36

Unit: cd

#### LIGHT DISTRIBUTION PATTERN

Isometric view from above; Luminaire mounted at 15'



#### **FLUX DISTRIBUTION**

Zone	Lumens	% Luminaire		
Forward Light	3,171 lm	62.0%		
0°-30°	596 lm	11.6%		
30°-60°	1,594 lm	31.2%		
60°-80°	912 lm	17.8%		
80°-90°	70 lm	1.4%		
Back Light	1,905 lm	37.2%		
0°-30°	514 lm	10.1%		
30°-60°	876 lm	17.1%		
60°-80°	460 lm	9.0%		
80°-90°	54 lm	1.1%		
Up Light	39 lm	0.8%		
90°-100°	3 lm	0.1%		
100°-180°	36 lm	0.7%		

BUG* Rating								
Asymmetrical Luminare Types								
Type I, II, III, IV B2 U2 G1								
Quadrilateral Symmetrical Luminare Types								
Type V, Area Light	B2 U2 G1							

<sup>\*</sup> Backlight, Uplight, Glare

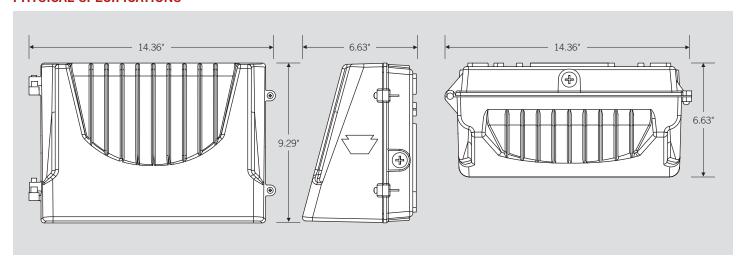
Keystone Technologies • Philadelphia PA • Phone (800) 464-2680 • www.keystonetech.com Specifications subject to change. Last revised on 12.09.20





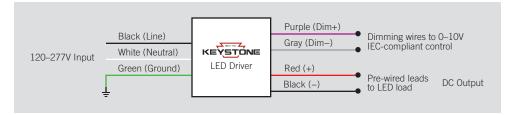
## KT-WPLED40-M2-8XX-VDIM ARCHITECTURAL 40W FULL-CUTOFF LED WALL PACK

#### **PHYSICAL SPECIFICATIONS**



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



Caution: Before installing, make certain that AC power to the fixture is off.

Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### **ACCESSORIES** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design
KT-WPLED-PS-UV-KO	Keystone Wall Pack Button Photocell





#### KT-WPLED40-M2-8XX-VDIM

ARCHITECTURAL 40W FULL-CUTOFF LED WALL PACK

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED40-M2-840-VDIM	1	EXI-18	843654129051
KT-WPLED40-M2-850-VDIM	1	GEK-93	843654129068

#### **CATALOG NUMBER BREAKDOWN**

#### KT-WPLED40-M2-8XX-VDIM

1 2 3 4 5 6 7 8 9 10

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Dimming
- 10 Sensor Options

2 Fixture Type		5 Size		6 Style	6 Style			
F	Flood	S	Small	1	Non-Cutoff			
WP	Wallpack	M	Medium	2	Full-Cutoff			
		L	Large					
7 CRI		8 Color		9 Dimmi	ng			
8	>80	40	4000K	VDIM	0-10V			
9	>90	50	5000K					

#### 10 Sensor Options

	No option
/PIR	Occupancy sensor included

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## KT-WPLED60-M2-8XX-VDIM ARCHITECTURAL 60W FULL-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Architectural 60W Full-Cutoff LED Wall Pack | 120–277V Input | 4000–5000K | Medium-Size Bronze Housing | Wide Optic Lens

#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)









#### **PRODUCT FEATURES**

- Architectural full-cutoff design improves the appearance of building exteriors and optimizes functional light distribution
- Heavy-duty, die-cast aluminum housing features modern aesthetics while retaining (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Dark Sky friendly performance, eliminates undesirable sky glow and glare
- Features one translucent 3/4" threaded plug with anti-yellowing agent for use with photocell accessory KT-WPLED-PS-UV-KO
- · Precision-crafted optical lens provides wide distribution pattern ideal for increased fixture spacing and uniformity
- · Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK08
- Compatible with Keystone LED Emergency Backups

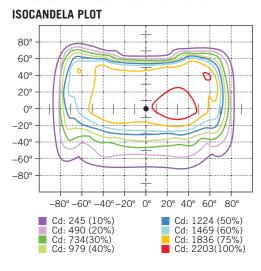
#### **ELECTRICAL SPECIFICATIONS**

Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	ССТ	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED60-M2-840-VDIM	COM	7500 lm	7445 lm	0.101/	4000K	125 lm/W	. 00	Dronzo	100 0771/	E0 000 bro	OEOW MIL
KT-WPLED60-M2-850-VDIM	60W	7800 lm	7745 lm	0–10V	5000K	130 lm/W	>80	Bronze	120–277V	50,000 hrs	250W MH

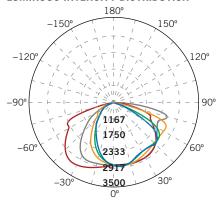


## KT-WPLED60-M2-8XX-VDIM ARCHITECTURAL 60W FULL-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 114.2°

1 Blue – 0° H

2 Red-90° H

3 Green - 22.5° H

4 Orange – 45° H

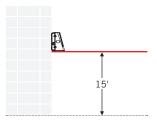
5 Grey - 67.5° H

#### **FLUX DISTRIBUTION**

Zone	Lumens	% Luminaire
Forward Light	4,722 lm	65.0%
0°-30°	907 lm	12.5%
30°-60°	2,329 lm	32.0%
60°-80°	1,327 lm	18.3%
80°-90°	159 lm	2.2%
Back Light	2,520 lm	34.6%
0°-30°	772 lm	10.6%
30°-60°	1,249 lm	17.2%
60°-80°	454 lm	6.2%
80°-90°	45 lm	0.6%
Up Light	25 lm	0.4%
90°-100°	4 Im	0.1%
100°-180°	21 lm	0.3%

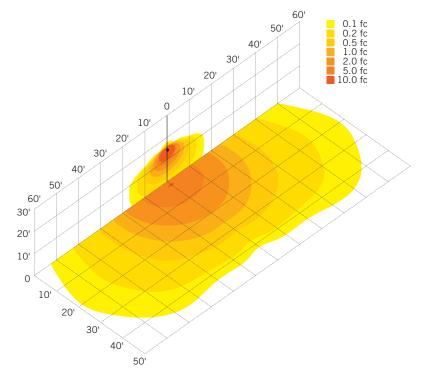
#### **MOUNTING**

Side view



#### LIGHT DISTRIBUTION PATTERN

Isometric view from above; Luminaire mounted at 15'

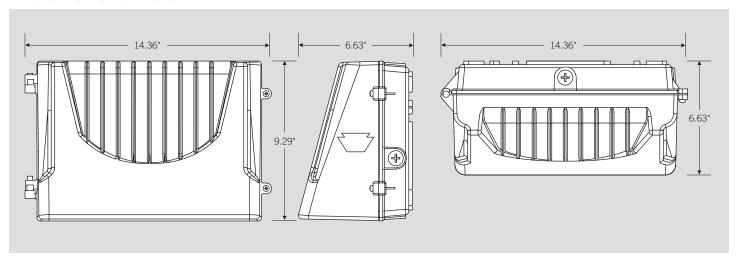






## KT-WPLED60-M2-8XX-VDIM ARCHITECTURAL 60W FULL-CUTOFF LED WALL PACK

#### **PHYSICAL SPECIFICATIONS**



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



Caution: Before installing, make certain that AC power to the fixture is off.

Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120–277V at the fixture before installation.

#### **ACCESSORIES** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design
KT-WPLED-PS-UV-KO	Keystone Wall Pack Button Photocell





#### KT-WPLED60-M2-8XX-VDIM

ARCHITECTURAL 60W FULL-CUTOFF LED WALL PACK

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED60-M2-840-VDIM	1	VMR-18	843654129075
KT-WPLED60-M2-850-VDIM	1	OYW-93	843654129082

#### **CATALOG NUMBER BREAKDOWN**

#### KT-WPLED60-M2-8XX-VDIM

1 2 3 4 5 6 7 8 9 10

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Dimming
- 10 Sensor Options

2 Fixture	е Туре	5 Size		6 Style	
F	Flood	S	Small	1	Non-Cutoff
WP	Wallpack	M	Medium	2	Full-Cutoff
		L	Large		
7 CRI		8 Color		9 Dimmi	ng
8	>80	40	4000K	VDIM	0-10V
0	- 00	FO	EOOOK		

#### 10 Sensor Options

	No option
/PIR	Occupancy sensor included

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## KT-WPLED100-M2-8XX-VDIM

ARCHITECTURAL 100W FULL-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Architectural 100W Full-Cutoff LED Wall Pack | 120–277V Input | 4000–5000K | Medium-Size Bronze Housing | Wide Optic Lens

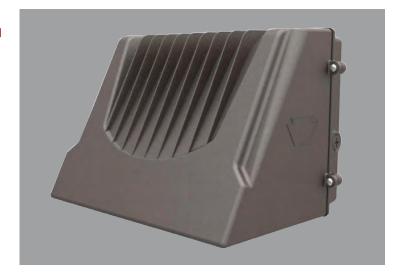
#### **APPLICATION**

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)









#### **PRODUCT FEATURES**

- Architectural full-cutoff design improves the appearance of building exteriors and optimizes functional light distribution
- Heavy-duty, die-cast aluminum housing features modern aesthetics while retaining (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Dark Sky friendly performance, eliminates undesirable sky glow and glare
- Features one translucent 3/4" threaded plug with anti-yellowing agent for use with photocell accessory KT-WPLED-PS-UV-KO
- Precision-crafted optical lens provides wide distribution pattern ideal for increased fixture spacing and uniformity
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK08

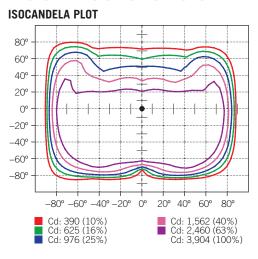
#### **ELECTRICAL SPECIFICATIONS**

	Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	ССТ	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-	WPLED100-M2-840-VDIM	100W	12500 lm	12410 lm	0-10V	4000K	125 lm/W	>80	Dronzo	120-277V	50.000 hrs	400W MH
KT-	WPLED100-M2-850-VDIM	10000	13000 lm	12900 lm	0-107	5000K	130 lm/W	>60	Bronze	120-2777	50,000 1115	400W WIH

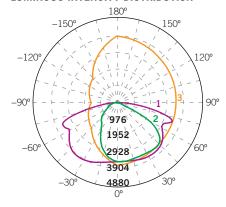


## KT-WPLED100-M2-8XX-VDIM ARCHITECTURAL 100W FULL-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 124.7°

- 1 Violet CO-C180
- 2 Green C90-C270
- 3 Orange G36

Unit: cd

#### **FLUX DISTRIBUTION**

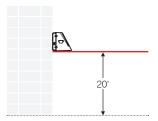
Zone	Lumens	% Luminaire
Forward Light	8,446 lm	64.1%
0°-30°	1,534 lm	11.6%
30°-60°	4,104 lm	31.1%
60°-80°	2,553 lm	19.4%
80°-90°	255 lm	1.9%
Back Light	4,633 lm	35.1%
0°-30°	1,263 lm	9.6%
30°-60°	2,156 lm	16.4%
60°-80°	1,094 lm	8.3%
80°-90°	119 lm	0.9%
Up Light	102 lm	0.8%
90°-100°	13 lm	0.1%
100°-180°	89 lm	0.7%

BUG* Rating	
Asymmetrical Lumina	re Types
Type I, II, III, IV	B3 U5 G3
Quadrilateral Symmetrical L	uminare Types
Type V, Area Light	B3 U5 G2

<sup>\*</sup> Backlight, Uplight, Glare

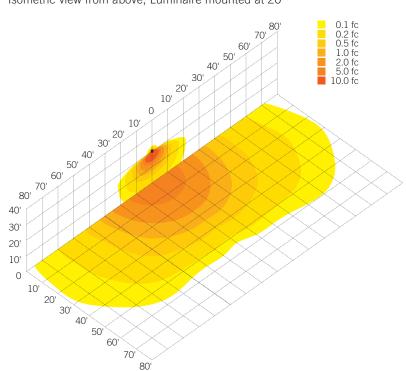
#### **MOUNTING**

Side view



#### LIGHT DISTRIBUTION PATTERN

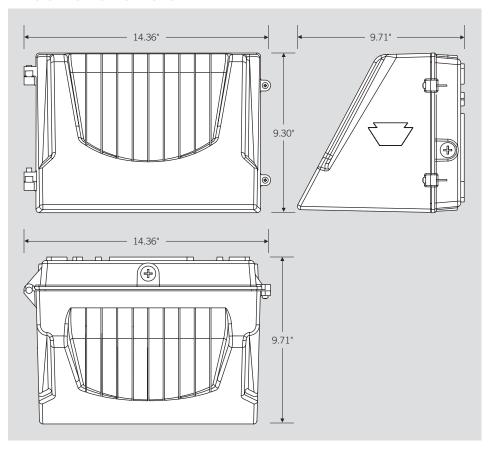
Isometric view from above; Luminaire mounted at 20'





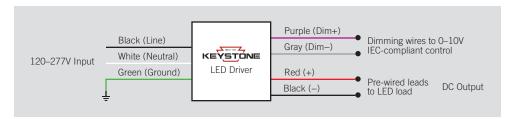
## KT-WPLED100-M2-8XX-VDIM ARCHITECTURAL 100W FULL-CUTOFF LED WALL PACK

#### PHYSICAL SPECIFICATIONS



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



Caution: Before installing, make certain that AC power to the fixture is off.

**Caution:** The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.





#### KT-WPLED100-M2-8XX-VDIM

ARCHITECTURAL 100W FULL-CUTOFF LED WALL PACK

#### **ACCESSORIES** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design
KT-WPLED-PS-UV-KO	Keystone Wall Pack Button Photocell

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED100-M2-840-VDIM	1	JFC-71	843654129099
KT-WPLED100-M2-850-VDIM	1	EXV-37	843654129105

#### **CATALOG NUMBER BREAKDOWN**

#### KT-WPLED100-M2-8XX-VDIM

10

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color 9 Dimming
- 10 Sensor Options

2 Fixture	е Туре	5 Size		6 Style	
F	Flood	S	Small	1	Non-Cutoff
WP	Wallpack	M	Medium	2	Full-Cutoff
		L	Large		
7 CRI		8 Color		9 Dimmi	ng
8	>80	40	4000K	VDIM	0-10V
9	>90	50	5000K		

#### 10 Sensor Options

	No option
/PIR	Occupancy sensor included

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## KT-WPLED20-S1-8XX-VDIM SMALL 20W NON-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Small 20W Non-Cutoff LED Wall Pack | 120-277V Input | 3000–5000K | Low Profile Bronze Housing | Impact Resistant Lens

#### **APPLICATION**

Building Mount for exterior illumination (entryways, pathways, stairwells, security, and other general site lighting requirements)









#### **PRODUCT FEATURES**

- Small non-cutoff design can be mounted virtually anywhere, offering uniform vertical and horizontal distribution pattern for general safety and security illumination needs
- Heavy-duty die-cast aluminum housing features modern aesthetics and includes (3) available 1/2" threaded conduit hubs, (1) on back and (1) on each side
- Powered by Keystone 0–10V dimming LED drivers
- Built-in dusk-to-dawn photocell behind translucent 1/2" threaded plug with anti-yellowing agent
- ADA Compliant with low-profile housing less than 4" deep
- Impact-resistant and highly diffused polycarbonate lens with anti-yellowing agent offers reduced glare for low mounting height applications
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25C°/77F° ambient fixture temp
- Meets FCC Part 15. Part B. Class A standards for conducted and radiated emissions
- Fixture impact rating IK07

#### **ELECTRICAL SPECIFICATIONS**

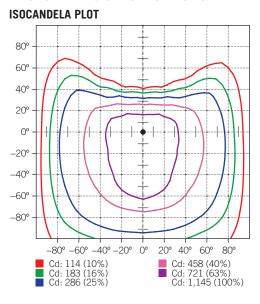
Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	сст*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED20-S1-840-VDIM	2014/	2500 lm	2250 lm	0.101/	4000K	125 lm/W	>80	Dronzo	120-277V	50.000 hrs	EO 70W MII
KT-WPLED20-S1-850-VDIM	20W	2500 lm 2250 lm	0–10V 5000K	5000K	123 1111/00	>00	Bronze	120-277V	50,000 Hrs	50–70W MH	

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

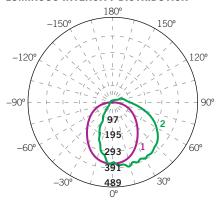


## KT-WPLED20-S1-8XX-VDI SMALL 20W NON-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 100°

- 1 Violet CO-C180
- 2 Green C90-C270

Unit: cd

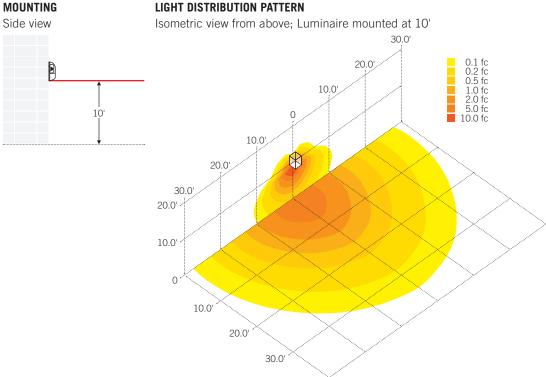
#### **FLUX DISTRIBUTION**

Zone	Lumens	% Luminaire
Forward Light	1,653 lm	64.0%
0°-30°	379 lm	14.7%
30°-60°	758 lm	29.4%
60°-80°	400 lm	15.5%
80°-90°	116 lm	4.5%
Back Light	667 lm	25.8%
0°-30°	264 lm	10.2%
30°-60°	283 lm	11.0%
60°-80°	97 lm	3.8%
80°-90°	23 lm	0.9%
Up Light	261 lm	10.1%
90°-100°	92 lm	3.5%
100°-180°	170 lm	6.6%

BUG* Rating					
Asymmetrical Luminare Types					
Type I, II, III, IV	B1 U3 G1				
Quadrilateral Symmetrical Luminare Types					
Type V, Area Light	B1 U3 G1				

<sup>\*</sup> Backlight, Uplight, Glare

#### LIGHT DISTRIBUTION PATTERN



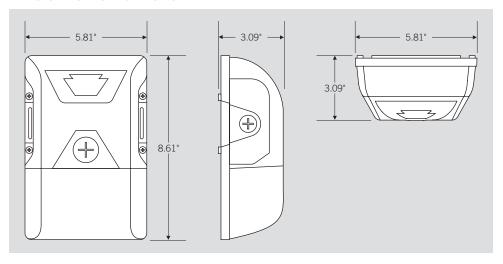
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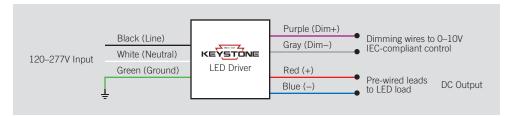
## KT-WPLED20-S1-8XX-VDIM SMALL 20W NON-CUTOFF LED WALL PACK

#### PHYSICAL SPECIFICATIONS



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**

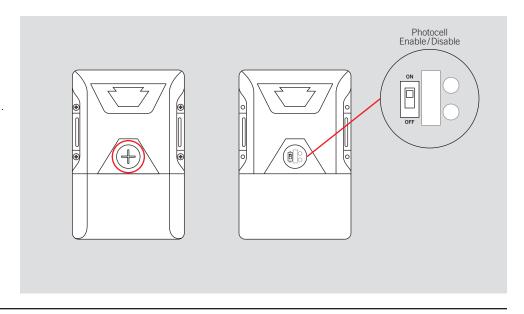


Caution: Before installing, make certain that AC power to the fixture is off.

**Caution:** The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-todawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.





#### KT-WPLED20-S1-8XX-VDI

SMALL 20W NON-CUTOFF LED WALL PACK

#### **ACCESSORY** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wall Pack 10kV Surge Protector, Compact Design

#### ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED20-S1-840-VDIM	1	TKE-18	843654129143
KT-WPLED20-S1-850-VDIM	1	DOV-45	843654129150

#### **CATALOG NUMBER BREAKDOWN**

#### KT-WPLED20-S1-8XX-VDIM

Keystone	

- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Dimming
- 10 Housing Color
- 11 Sensor Options

2 Fixture	Туре	5 Size		6 Style	
F	Flood	S	Small	1	Non-Cutoff
WP	Wallpack	M	Medium	2	Full-Cutoff
		L	Large		
7 CRI		8 Color		9 Dimmi	ng
8	>80	40	4000K	VDIM	0-10V
9	>90	50	5000K		
10 Hous	ing Color	11 Sens	or Options		
	Bronze		No option		
В	Black	/DID	Occupancy		

/PIR

White

Occupancy sensor included

10

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## KT-WPLED20-S1-8CSB-VDIM SMALL 20W NON-CUTOFF LED WALL PACK

#### **DESCRIPTION**

Small 20W Non-Cutoff LED Wall Pack | 120-277V Input | 3000–5000K | Low Profile Bronze Housing | Impact Resistant Lens

#### **APPLICATION**

Building Mount for exterior illumination (entryways, pathways, stairwells, security, and other general site lighting requirements)











#### **PRODUCT FEATURES**

- Small non-cutoff design can be mounted virtually anywhere, offering uniform vertical and horizontal distribution pattern for general safety and security illumination needs
- Heavy-duty die-cast aluminum housing features modern aesthetics and includes (3) available 1/2" threaded conduit hubs, (1) on back and (1) on each side
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 1/2" threaded plug with anti-yellowing agent
- ADA Compliant with low-profile housing less than 4" deep
- Impact-resistant and highly diffused polycarbonate lens with anti-yellowing agent offers reduced glare for low mounting height applications
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25C°/77F° ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK07

#### **ELECTRICAL SPECIFICATIONS**

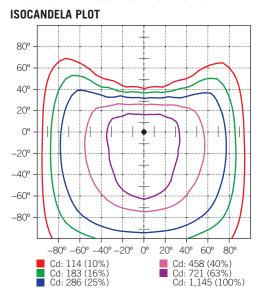
Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	сст*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
		2600 lm	2340 lm		3000K	130 lm/W					
KT-WPLED20-S1-8CSB-VDIM	20W	2700 lm	2430 lm	0-10V	4000K	135 lm/W	>80	Bronze	120-277V	50,000 hrs	50-70W MH
		2500 lm	2250 lm		5000K	125 lm/W					

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

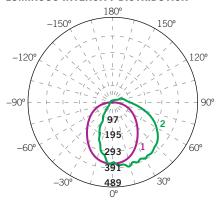


## KT-WPLED20-S1-8CSB-VDIM SMALL 20W NON-CUTOFF LED WALL PACK

#### PHOTOMETRIC SPECIFICATIONS



#### **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 100°

- 1 Violet CO-C180
- 2 Green C90-C270

Unit: cd

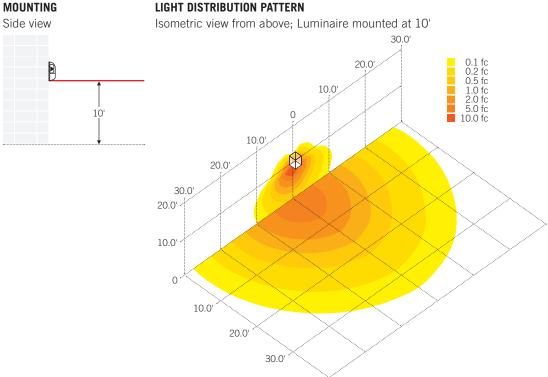
#### **FLUX DISTRIBUTION**

Zone	Lumens	% Luminaire
Forward Light	1,653 lm	64.0%
0°-30°	379 lm	14.7%
30°-60°	758 lm	29.4%
60°-80°	400 lm	15.5%
80°-90°	116 lm	4.5%
Back Light	667 lm	25.8%
0°-30°	264 lm	10.2%
30°-60°	283 lm	11.0%
60°-80°	97 lm	3.8%
80°-90°	23 lm	0.9%
Up Light	261 lm	10.1%
90°-100°	92 lm	3.5%
100°-180°	170 lm	6.6%

BUG* Rating						
Asymmetrical Luminare Types						
Type I, II, III, IV B1 U3 G1						
Quadrilateral Symmetrical Luminare Types						
Type V, Area Light	B1 U3 G1					

<sup>\*</sup> Backlight, Uplight, Glare

#### LIGHT DISTRIBUTION PATTERN



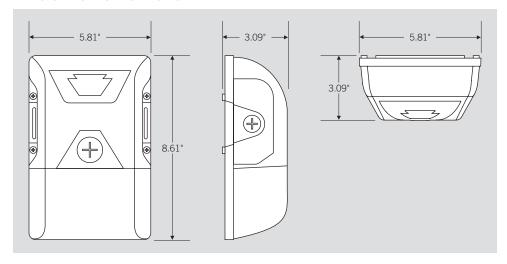
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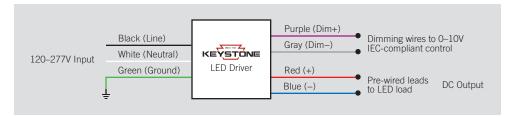
## KT-WPLED20-S1-8CSB-VDIM SMALL 20W NON-CUTOFF LED WALL PACK

#### PHYSICAL SPECIFICATIONS



#### **GENERAL SETUP INSTRUCTIONS**

#### **GENERAL WIRING DIAGRAM**



Caution: Before installing, make certain that AC power to the fixture is off.

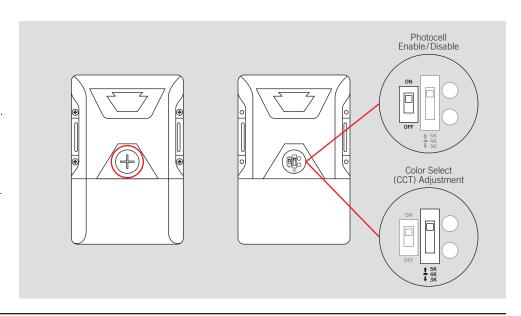
**Caution:** The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

#### PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-todawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

#### **COLOR SELECT (CCT) ADJUSTMENT**

Certain fixture models are equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.





### KT-WPLED20-S1-8CSB-VD

SMALL 20W NON-CUTOFF LED WALL PACK

#### **ACCESSORY** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wall Pack 10kV Surge Protector, Compact Design

#### **ORDERING INFORMATION**

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED20-S1-8CSB-VDIM	1	XWA-37	843654129112

#### **CATALOG NUMBER BREAKDOWN**

#### T-WPLED20-S1-8CSB-VDIM

1	Keystone	Tachna	laciac
	REVSIONE	10011110	IOS IES

- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Color Select Designation
- 10 0–10V Dimming
- 11 Housing Color
- 12 Sensor Options

#### 2 Fixture Type

F	Flood
WP	Wallpack

F	Flood
WP	Wallpack

S	Small
M	Medium
L	Large

5 Size

8 Color

· cty.c		
1	Non-Cutoff	
2	Full-Cutoff	

12

6 Style

11

#### 7 CRI

8	>80
9	>90

• • • • • • • • • • • • • • • • • • • •		
40	4000K	
50	5000K	
CS	Color Select	

9 Color Select Designation		
Α	3500K, 4000K, 5000K	
В	3000K, 4000K, 5000K	
С	3000K, 3500K, 4000K, 5000K	
D	TBD	

#### 10 Dimming

Dillilling		
VDIM	0-10V	

#### 11 Housing Color

	8
	Bronze
В	Black
W	White

#### **10 Sensor Options**

	No option
/PIR	Occupancy sensor included



# KT-WPLED20-S1-8CSB-VDIM-B

SMALL 20W NON-CUTOFF LED WALL PACK

# **DESCRIPTION**

Small 20W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Low Profile Black Housing | Impact Resistant Lens

# **APPLICATION**

Building Mount for exterior illumination (entryways, pathways, stairwells, security, and other general site lighting requirements)











# **PRODUCT FEATURES**

- Small non-cutoff design can be mounted virtually anywhere, offering uniform vertical and horizontal distribution pattern for general safety and security illumination needs
- Heavy-duty die-cast aluminum housing features modern aesthetics and includes (3) available 1/2" threaded conduit hubs, (1) on back and (1) on each side
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 1/2" threaded plug with anti-yellowing agent
- ADA Compliant with low-profile housing less than 4" deep
- Impact-resistant and highly diffused polycarbonate lens with anti-yellowing agent offers reduced glare for low mounting height applications
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25C°/77F° ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK07

# **ELECTRICAL SPECIFICATIONS**

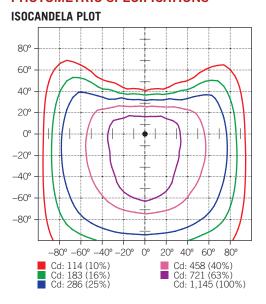
Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	ССТ*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
		2600 lm	2340 lm		3000K	130 lm/W	>80 Black				
KT-WPLED20-S1-8CSB-VDIM-B	20W	2700 lm	2430 lm	0-10V	V 4000K	135 lm/W		120-277V	50,000 hrs	50-70W MH	
		2500 lm	2250 lm		5000K	125 lm/W					

<sup>\*</sup> Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017



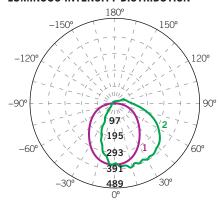
# KT-WPLED20-S1-8CSB-VDIM-B SMALL 20W NON-CUTOFF LED WALL PACK

# PHOTOMETRIC SPECIFICATIONS



**MOUNTING** 

# **LUMINOUS INTENSITY DISTRIBUTION**



Average diffuse angle (50%): 100°

- 1 Violet CO-C180
- 2 Green C90-C270

Unit: cd

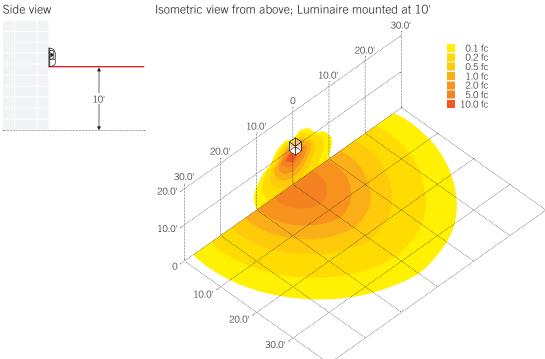
# **FLUX DISTRIBUTION**

Zone	Lumens	% Luminaire	
Forward Light	1,653 lm	64.0%	
0°-30°	379 lm	14.7%	
30°-60°	758 lm	29.4%	
60°-80°	400 lm	15.5%	
80°-90°	116 lm	4.5%	
Back Light	667 lm	25.8%	
0°-30°	264 lm	10.2%	
30°-60°	283 lm	11.0%	
60°-80°	97 lm	3.8%	
80°-90°	23 lm	0.9%	
Up Light	261 lm	10.1%	
90°-100°	92 lm	3.5%	
100°-180°	170 lm	6.6%	

BUG* Rating				
Asymmetrical Lumina	re Types			
Type I, II, III, IV	B1 U3 G1			
Quadrilateral Symmetrical L	uminare Types			
Type V, Area Light	B1 U3 G1			

<sup>\*</sup> Backlight, Uplight, Glare

# LIGHT DISTRIBUTION PATTERN

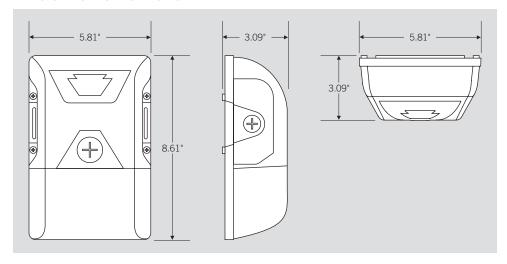


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# KT-WPLED20-S1-8CSB-VDIM-B SMALL 20W NON-CUTOFF LED WALL PACK

# PHYSICAL SPECIFICATIONS



# **GENERAL SETUP INSTRUCTIONS**

# **GENERAL WIRING DIAGRAM**



Caution: Before installing, make certain that AC power to the fixture is off.

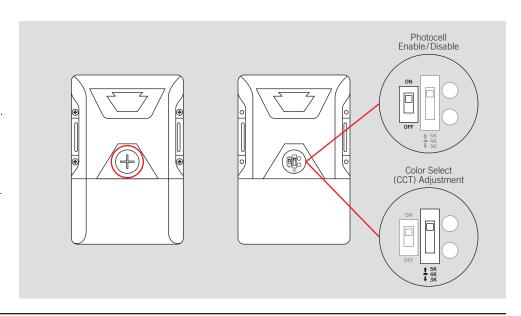
**Caution:** The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

# PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-todawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

# **COLOR SELECT (CCT) ADJUSTMENT**

Certain fixture models are equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.





# KT-WPLED20-S1-8CSB-VDIM-B SMALL 20W NON-CUTOFF LED WALL PACK

# **ACCESSORY** (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wall Pack 10kV Surge Protector, Compact Design

# ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-WPLED20-S1-8CSB-VDIM-B	1	VDW-81	843654129129

# **CATALOG NUMBER BREAKDOWN**

# T-WPLED20-S1-8CSB-VDIM-B

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Lamp
- 4 Max Wattage
- 5 Size
- 6 Style
- 7 CRI
- 8 Color
- 9 Color Select Designation
- 10 0–10V Dimming
- 11 Housing Color
- 12 Sensor Options

# 2 Fixture Type

F	Flood
WP	Wallpack

F	Flood	
WP	Wallpack	

s	Small
M	Medium
L	Large

5 Size

8 Color

<b>2</b> Full-Cutoff

1 Non-Cutoff

6 Style

/ UKI	
8	>80
9	>90

40	4000K
50	5000K
cs	Color Select

	_
Α	3500K, 4000K, 5000K
В	3000K, 4000K, 5000K
С	3000K, 3500K, 4000K, 5000K
D	TBD

<mark>10 D</mark> imr	ning
VDIM	0-10V

11 Housing Color		
	Bronze	
В	Black	
W	White	

10 Selisui optiolis		
	No option	
/PIR	Occupancy sensor included	

10 Cancar Ontions

# NOXTW-56 Series

5"/6" Onyx Tunable White LED Retrofit

Source: 15.5W Up to 1100lm

# Type Project Catalog No. Notes

# PRODUCT DESCRIPTION

5"/6" Onyx Tunable White Retrofit Series include an integral tunable CCT switch. Spun aluminum construction provides clean sharp edges and is suitable for use with most 5" and 6" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

# **FEATURES**

- · Up to 1100lm / 15.5W LED light engine
- Selectable CCT

(2700K, 3000K, 3500K, 4000K or 5000K @ 90+ CRI)

- Integral dimmable driver
- Includes medium base socket adaptor for easy retrofitting in 5" or 6" recessed housings
- 5-year limited warranty
- **ENERGY STAR certified**
- cULus classified for wet locations

# **SPECIFICATION**

Reflector: One piece, spun aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

Housings: Compatible with most 5" and 6" IC and non-IC housings by Nora and others.

Mounting: Two steel, torsion mounting springs allow for easy and secure mounting in most 5" and 6" housings.

Retrofit: Luminaires include a medium base screw-socket adapter (NRA-211SM) for retrofitting into medium base downlight housings. Intended to be used as a LED lamp replacement. GU24 socket adapter (NRA-212SM) is available.

# **ELECTRICAL**

Input Voltage: 120V 60Hz

Lumens / Wattage: Up to 1100lm / 15.5W Color Temperature: Selectable CCT (2700K / 3000K / 3500K / 4000K / 5000K) Color Rendering Index: 90+CRI

**Dimming:** Triac or ELV

Click Here or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under

"Resources" tab

# COMPATIBLE HOUSINGS

Onvx retrofits are compatible with most 5" & 6" IC and Non-IC housings by Nora and others.

# **Fire Box**

MFBIC-5INCATA MRBIC-5LMRATA\* M NFBIC-6INCATA MFBIC-6LMRATA\*

**New Construction** NHIC-5LMRAT\* NHIC-5LMRAT/277\*1 NHIC-527LMRAT\* NHIC-501QAT

NHIC-527QAT NH-501Q NHIC-5G24ATFL NHIC-6LMRAT\* NHIC-6LMRAT/277\*1 NHICCP-6LMRAT' NHIC-27LMRAT\*

NHIC-17QAT NHIC-17QNBAT NHIC-270AT NH-26Q NHIC-6G24ATFL

# Remodel

NHRIC-5LMRAT\* NHRIC-527LMRAT\* NHRIC-5040AT NHRIC-527QAT NHR-5040 NHRIC-6LMRAT\* NHRIC-27LMRAT\* NHRIC-170AT NHRIC-17QNBAT

NHRIC-27QAT NHR-260

5" ICAT Fire Box

5" ICAT Dedicated LED Fire Box

6" ICAT Fire Box

6" ICAT Dedicated LED Fire Box

5" ICAT Dedicated LED 5" ICAT Dedicated LED, 277V 5" ICAT Shallow Dedicated LED 5" ICAT Line Voltage 5" ICAT Shallow Line Voltage 5" Line Voltage

5" ICAT GU24

6" ICAT Dedicated LED 6" ICAT Dedicated LED, 277V 6" Chicago Plenum Dedicated LED 6" ICAT Shallow Dedicated LED 6" ICAT Line Voltage

6" ICAT Line Voltage (No Bracket) 6" ICAT Shallow Line Voltage

6" Line Voltage 6" ICAT GU24

5" ICAT Dedicated LED

5" ICAT Shallow Dedicated LED 5" ICAT Line Voltage 5" ICAT Shallow Line Voltage 5" Line Voltage

6" ICAT Dedicated LED 6" ICAT Shallow Dedicated LED 6" ICAT Line Voltage

6" ICAT Line Voltage (No Bracket) 6" ICAT Shallow Line Voltage 6" Line Voltage

Nora LED Dedicated housings are cULus listed for use only with Nora LED Retrofits.

<sup>1</sup> Housings include a step down transformer

# LABELS AND LISTINGS

- cULus classified for Wet Locations
- ENERGY STAR certified (WW only)
- 5-Year Limited Warranty
- Meets ASTM-E283 Air-Tight requirements
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2019





Finish











## **Performance Data** Part Number Lumens CCT NOXTW-5631WW 947lm 2700K NOXTW-5631WW 1057lm 3000K NOXTW-5631WW 1087lm 3500K 4000K NOXTW-5631WW 1134lm 5000K NOXTW-5631WW 1118lm Delivered lumens will vary depending on trim type and finish



NOXTW-5631BB Black Reflector



NOXTW-5631 / NOX-56REFLB







White Reflector

NOXTW-5632WW

Round Baffle

Haze Reflector Insert



Diffused Clear Reflector Insert



NOXTW-5631 / NOX-56BAFB Black Baffle Insert

**Optional Accessories** 

Description



NOXTW-5631 / NOX-56BAFW White Baffle Insert

5-1/4

NOX-56BLADE = 5"/6" Blade for housings without spring brackets NRA-211SM = Medium base screw-in socket (included w/ each) NRA-212SM = Socket adapter for use with GU24 housings

# 5"/6" Onyx Tunable White LED Retrofit

	NOXTW-5631 = Round Reflector	Selectable CCT	BB = Black / Black Flange (NOXTW-5631 only)	NOX-56REFLB = 5"/6" Black Reflector Insert for NOXTW-5631
	NOXTW-5632 = Round Baffle	(2700K / 3000K / 3500K / 4000K / 5000K)	<b>WW</b> = White / White Flange	NOX-56REFLD = 5"/6" Clear Diffused Reflector Insert for NOXTW-5631
				NOX-56REFLHZ = 5"/6" Haze Reflector Insert for NOXTW-5631
				NOX-56BAFB = 5"/6" Black Baffle Insert for NOXTW-5631
				NOX-56BAFW = 5"/6" White Baffle Insert for NOXTW-5631
				NOX-56EYELIDW = 5"/6" Round White Eyelid
N				NOX-560R-W = 5"/6" Round White Oversize Ring



Trim Type

Example: NOXTW-5631WW = 5"/6" Onyx Tunable White Round Reflector LED Retrofit, White Reflector / White Flange

Color Temperature

# **NOXTW-56 Series**

5"/6" Onyx Tunable White Retrofit Reflector Accessories

Type
Project
Catalog No.
Notes









Onyx Reflector Insert

NOXTW-5631.

NOX-56REFLB Black
NOX-56REFLD Clear Diffused
NOX-56REFLHZ Haze
Round reflector insert is field changeable
used to convert the reflector finish for

Onyx Baffle Insert

NOX-56BAFB Black
NOX-56BAFW White
Round baffle insert is field changeable used
to convert reflector (NOXTW-5631) to baffle.

Onyx Eyelid

NOX-56EYELIDW White Round eyelid clips on reflector or baffle to convert into half moon wall wash Onyx Oversize Ring

NOX-560R-W White Round oversize ring covers large ceiling cutouts up to 8-1/4"





NOX-56BLADE Pair of Two Replaces torsion springs with mounting blades for recessed housings without spring brackets.



Medium Base Screw-In Socket

NRA-211SM

Medium base screw-in socket adapter for retrofitting into existing medium base housings. One is included with each luminaire.



Socket Adapter for GU24 Housings

NRA-212SM

GU24 socket adapter for retrofitting into existing GU24 housings.



# **PHOTOMETRICS**

5"/6" Onyx Tunable White Retrofit Reflectors

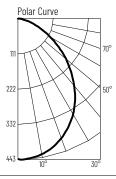
Type
Project
Catalog No.

Notes

# **Test Information**

Test Number: NTR1173 Part Number: NOXTW-5631WW Beam Spread: 93° Wide Flood Lumens: 947lm

Wattage: 15.65W Efficacy: 60lpw CCT / CRI: 2700K / 90 CRI Spacing Criteria (0º-180): 1.18 Spacing Criteria (90º-270): 1.18



Illumi	nance	at	а	Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	27.7fc	8'-5"
6'	12.3fc	12'-6"
8'	6.9fc	16'-8"
10'	4.4fc	20'-11"
12'	3.1fc	25'-1"

# Zonal Lumen Summary

Zone	Lumens	% Luminaire	
0-30	159	16.8	
0-40	525	55.4	
0-60	835	88.2	
0-90	938	99.1	
90-180	8	0.9	
0-180	947	100	
•			

# Candela Table

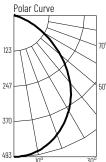
candela	anie
Vertical Angles	Candela
0	443
5	440
15	417
25	372
35	311
45	232

# **Test Information**

Test Number: NTR1174 Part Number: NOXTW-5631WW Beam Spread: 93° Wide Flood

Lumens: 1057lm Wattage: 15.45W Efficacy: 68lpw CCT / CRI: 3000K

CCT / CRI: 3000K / 90 CRI Spacing Criteria (0º-180): 1.18 Spacing Criteria (90º-270): 1.18



# Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter	
4'	30.8fc	8'-5"	
6'	13.7fc	12'-7"	
8'	7.7fc	16'-10"	
10'	4.9fc	21'	
12'	3.4fc	25'-4"	

# Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	368	34.8
0-40	585	55.4
0-60	933	88.2
0-90	1049	99.2
90-180	9	0.8
0-180	1057	100

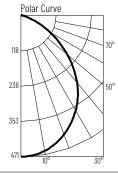
# Candela Table

Vertical Angles	Candela
0	493
5	490
15	464
25	415
35	348
45	261

# **Test Information**

Test Number: NTR1175 Part Number: NOXTW-5631WW Beam Spread: 98° Wide Flood

Lumens: 1087lm
Wattage: 15.43W
Efficacy: 70lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0º-180): 1.2
Spacing Criteria (90º-270): 1.2



# Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	29.5fc	9'-2"
6'	13.1fc	13'-10"
8'	7.4fc	18'-5"
10'	4.7fc	23'
12'	3.3fc	27'-7"

# Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	357	32.8
0-40	573	52.8
0-60	943	86.8
0-90	1078	99.2
90-180	9	0.8
0-180	1087	100

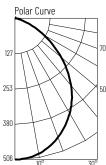
# Candela Table

Vertical Angles	Candela
0	471
5	468
15	447
25	405
35	348
45	271

# **Test Information**

Test Number: NTR1176 Part Number: NOXTW-5631WW Beam Spread: 95° Wide Flood

Lumens: 1134lm Wattage: 15.36W Efficacy: 74lpw CCT / CRI: 4000K / 90 CRI Spacing Criteria (0º-180): 1.18 Spacing Criteria (90º-270): 1.14



# Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	31.6fc	8'-10"
6'	14.1fc	13'-2"
8'	7.9fc	17'-7"
10'	5.1fc	21'-11"
12'	3.5fc	26'-4"

# Zonal Lumen Summary

Lumens	% Luminaire
379	33.4
606	53.4
982	86.6
1121	98.9
13	1.1
1134	100
	379 606 982 1121

# Candela Table

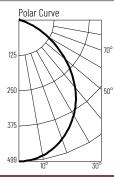
Vertical Angles	Candela
0	506
5	503
15	475
25	424
35	357
45	272

# **Test Information**

Test Number: NTR1177 Part Number: NOXTW-5631WW Beam Spread: 95° Wide Flood Lumens: 1118Im

Spacing Criteria (90º-270): 1.14

Wattage: 15.36W Efficacy: 73Ipw CCT / CRI: 5000K / 90 CRI Spacing Criteria (0º-180): 1.18



# Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	31.2fc	8'-10"
6'	13.9fc	13'-2"
8'	7.8fc	17'-7"
10'	5fc	21'-11"
12'	3.5fc	26'-4"

# Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	374	33.4
0-40	597	53.4
0-60	969	86.6
0-90	1106	98.9
90-180	12	1.1
0-180	1118	100

# Candela Table

Vertical Angles	Candela
0	499
5	496
15	469
25	418
35	352
45	268

# NHIC-6LMRAT

6" IC Air-Tight LED Dedicated New Construction Housing (Compatible with Cobalt / Marquise / Onyx / PRISM)

# Type Project Catalog No. **Notes**

# PRODUCT DESCRIPTION

Dedicated new construction housing for use in insulated ceilings can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling. The housing is dedicated and labeled for use with LED retrofit luminaires.

# **FEATURES**

- IC Air-Tight energy saving by reducing the flow of air through the ceiling
- Rated for direct contact with insulation
- cULus listed for damp location and through branch circuit wiring

# CONSTRUCTION

Plaster Frame: High quality 0.04" steel die cut one piece

Housing: 0.040 aluminum housing with riveted cap adjusts to a maximum ceiling thickness of 1-3/4". Spring brackets accept torsion wing trim springs; slots on socket plate surface accept standard coil springs.

Air Flow Restriction: Housing has factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

**Clearance:** "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray

**Bar Hangers:** Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. Bar hangers are parallel to junction box, but can be repositioned  $90^{\circ}$ perpendicular to junction box if desired. "L" Shaped bar hanger foot to align to bottom of construction joist. A T-Bar notch allow for easy installation in a suspended ceiling.

Junction Box: Prewired 25 cubic inch 0.064" thick galvanized steel, with seven 1/2" trade size knockouts and four Romex pryouts and snap on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Maximum of 8 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box.

# **ELECTRICAL**

Input Voltage: 120/277V

Socket: Quick connect for LED luminaires Operating Temperature: 122°F (50°C) max. **Dimming:** Specified by luminaire

# **COMPATIBILITY**

NRMC-61 - 6" Marquise I Reflector NRMC-62 - 6" Marquise I Baffle NRMC2-61 - 6" Marquise II Reflector NRMC2-62 - 6" Marquise II Baffle NLCBC-6 / NLCBC2-6 - 6" Cobalt Series NOX-56 / NOXAC-56 / NOXTW-56 - 5"/6" Onyx Series

NOX-636 - 6" Onyx Square Reflector NLPR-5641 - 5"/6" PRISM Reflector NLPR-5642 - 5"/6" PRISM Baffle

# Step Down Transformer (converts 277V input to 120V):

Optional 50W step down transformer installed (NHIC-6LMRAT/277). Maximum of 6 no. 12 AWG through branch circuit conductors in junction box.

**Emergency:** Housing can be specified with an emergency battery installed on frame (Cobalt only). Requires top

- Up to 7.5W emergency illumination with LEDs
- Illumination Time: 90min
- Voltage: 120/277 VAC, 60Hz
- · Output Voltage: 15.0-50.0 VDC
- Remote test switch included

# LABELS AND LISTINGS

- · cULus Listed for Damp Location (wet location when used with compatible reflectors)
- Meets or exceeds ASTM-283 Air-Tight requirements
- Certified to the high efficacy requirements of California Title 24 JA8-2019
- RoHS compliant





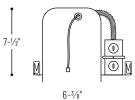




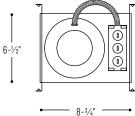


# **PRODUCT IMAGES & DIMENSIONS**





Ceiling Cut-out



6505 Gayhart Street, Commerce, CA 90040

TEL 323.767.2600 | www.noralighting.com | e-mail: nora@noralighting.com @ 2021 Nora Lighting, Inc. All rights reserved. Specifications subject to change without notice.

# 6" IC Air-Tight LED Dedicated New Construction Housing

Catalog No.

NHIC-6LMRAT = 6" IC Air-Tight Housing, 120/277V input (120V Triac/ELV dimming)

NHIC-6LMRAT/277 = 6" IC Air-Tight Housing, 277V input with 50W Step Down Transformer

NHIC-6LMRAT/EM = 6" IC Air-Tight Housing with Emergency Battery and Remote Test Switch, 120/277V input (Cobalt only - EM required)

NHIC-6LMRAT/277EM = 6" IC Air-Tight Housing with Emergency Battery and Remote Test Switch, 277V input with 50W Step Down Transformer (Cobalt only - EM required)

NHIC-6LMRAT/4W = 6" IC Air-Tight Housing, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4 required)

NHIC-6LMRAT/6WEM = 6" IC Air-Tight Housing with Emergency Battery and Remote Test Switch, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4EM required)

Example: NHIC-6LMRAT = 6" IC Air-Tight LED Dedicated New Construction Housing, 120/277V input

# **NLCBC-651 Series**

6" Cobalt Retrofit Reflectors

Source: 12W LED 750lm

Туре		
Project		
Catalog No.		
Notes		

# PRODUCT DESCRIPTION

Cobalt retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 6" retrofit luminaires produces 750 lumen output at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for Green Energy efficient lighting in commercial and residential applications.

## **FEATURES**

- 750lm / 12W LED output
- 3000K or 3500K @ 90+ CRI
- CREE® COB LED technology
- Integral dimmable driver Includes medium base socket adapter for easy
- retrofitting in 6" recessed housings
- 5-year limited warranty
- **ENERGY STAR certified**
- cULus classified for wet locations

# **SPECIFICATION**

Reflector: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. The deep reflector places the LED optics deeper, increasing the visual comfort and reduces board images when off.

Mounting: Two steel, spring mounting blades allow for easy and secure mounting in most 6" housings.

**Retrofit:** Cobalt retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

# **ELECTRICAL**

Input Voltage: 120V

Lumens / Wattage: 750lm / 12W Color Temperature: 3000K or 3500K

CRI: 90+CRI

**Operating Temp.:** 0°C to 45°C ambient temperature

Dimming: Triac/ELV

Click Here or check complete dimmer list at

www.NoraLighting.com in the "Compatibility" page under

"Resources" tab

# COMPATIBLE HOUSINGS

Cobalt retrofit reflectors are compatible with most 6" IC and Non-IC housings by Nora and others.

Fire Box

NFBIC-6LMRAT\* ICAT Dedicated LED NFBIC-6INCAT ICAT Line Voltage

**New Construction** 

Shallow ICAT Dedicated LED NHIC-27LMRAT\* NHIC-6LMRAT\* ICAT Dedicated LFD NHIC-6LMRAT/277\* ICAT Dedicated LED, 277V

(includes step-down transformer) NHICCP-6LMRAT\*

Chicago Plenum Dedicated LED NHIC-27QAT Shallow ICAT Line Voltage NHIC-170AT ICAT Line Voltage NH-26Q Non-IC Line Voltage NHIC-6G24ATFL ICAT GU24

Remodel

NHRIC-27LMRAT\* Shallow ICAT Dedicated LED NHRIC-6LMRAT\* ICAT Dedicated LED NHRIC-27QAT Shallow ICAT Line Voltage NHRIC-170AT ICAT Line Voltage NHR-260 Non-IC Line Voltage NHRIC-6G24ATFL ICAT GU24

\* Nora Dedicated LED housings are cULus listed for use only with Nora LED Retrofits.

# **ACCESSORIES**

**NLCBC-6EYELID:** Round eyelid used to convert round reflector or baffle to half moon wall wash trim. NLCBC-60R: Round oversize ring used to cover ceiling cut-outs up to 8-1/4".

# **LABELS AND LISTINGS**

- cULus classified for Wet Locations
- **ENERGY STAR certified**
- 5-Year Limited Warranty
- Can be used to comply with 2016 Title 24 part 6 High Efficacy LED light source requirements













# **PRODUCT IMAGES & DIMENSIONS**



NLCBC-651 Round Reflector BBL. WWI

# **6" Cobalt Retrofit Reflectors**

Reflector Type Color Temp. / Finish

NLCBC-651 = Round Reflector

30BBL = 3000K, Black Reflector / Black Flange 35WWL = 3500K, White Reflector / White Flange

Tel 800.686.6672 | www.noralighting.com | e-mail: nora@noralighting.com @ 2019 Nora Lighting, Inc. All rights reserved. Specifications subject to change without notice.

Description

**Optional Accessories** 

NLCBC-6EYELIDB = 6" Round Eyelid, Black NLCBC-6EYELIDBZ = 6" Round Eyelid, Bronze

NLCBC-6EYELIDMPW = 6" Round Eyelid, Matte Powder White

NLCBC-6EYELIDW = 6" Round Eyelid, White

NLCBC-60R-B = 6" Round Oversize Ring, Black NLCBC-60R-BZ = 6" Round Oversize Ring, Bronze

**NLCBC-60R-MPW** = 6" Round Oversize Ring, Matte Powder White

NLCBC-60R-W = 6" Round Oversize Ring, White

NRA-211SM = Medium base screw-in socket (included) NRA-212SM = Socket adapter for use with GU24 housings

Example: NLCBC-65130BBL = 6" Cobalt Retrofit Reflector, 750lm / 12W LED, 3000K, Black Reflector / Black Flange

6505 Gayhart Street, Commerce, CA 90040

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NORA

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# HALO LED ICAT HOUSING for NEW CONSTRUCTION

Recessed 6" aperture new construction housing for use with LED integrated trims or modules. Suitable for 2x8 residential framing or commercial plenum construction, type IC rated and can be used in direct contact with insulation\*. Airtight rating reduces airflow between living spaces and unconditioned areas providing additional energy savings. Use with Halo® LT56, SMD6, RL56, RA56, SLD6 LED integrated trims and the ML56 LED modular recessed lighting system.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

# **DESIGN FEATURES**

# Housings

- Single wall precision rolled aluminum housing with interlocking construction maintains concentricity
- Adjusts vertically to accommodate 3/8" to 1" thick ceilings and locks in position with (3) setscrews
- · V notches facilitate use of guide strings or laser lines for precise positioning
- Shipped with paint overspray protector installed
- Housing can be removed from below the ceiling for service or splice inspection

# **Plaster Frame**

- Compact galvanized steel plaster frame with integral bar hanger
- (2) regressed screws provide positive horizontal bar hanger locking from below the ceiling
- Integral gasket achieves ASTM-E283 airtight code compliance without additional gaskets or caulk

# Junction Box

- · Compact galvanized steel junction box with 16in3 internal volume
- Listed for (10) #12 or (14) #14 AWG 90° C splice conductors
- (4) 1/2" conduit pryouts positioned to allow straight conduit runs
- (3) Slide-N-Side™ nonmetallic (NM) wire traps allows wiring outside the box
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- · Hinged door with offset cover for easy wire access
- Junction box is repositionable 90° on plaster frame to avoid obstructions

# **Bar Hangers**

- Captive preinstalled All-Nail™ bar hangers support housing at any point along span
- Pass-N-Thru<sup>™</sup> feature adjust bars from 7-1/4" to 24" wide without removal
- · Score lines allow "tool-less" shortening for 12" joists
- Captive nail penetrates standard and engineered lumber
- · Leveling flange aligns plaster frame with framing
- · Integral clip attaches directly to tee-bar

## Connector

- · Two-conductor wire mount connector is rated for 120-277V CAUTION - verify LED module input voltage is compatible with the input voltage of the housing. If uncertain, consult a qualified electrician
- cULus listed with Halo® LT56, SMD6, RL56, RA56, SLD6 and ML56 family of LED integrated

# **Code Compliance**

- · Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- · Wet location listed in covered ceilings and IP56 certified with select trims
- Airtight per ASTM-E283
- Can be used for State of California Title 24 high efficacy luminaire compliance
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- · Contains no mercury or lead and RoHS compliant

# Warranty

 Five year limited warranty, consult website for details www.cooperlighting.com



HALO®

6" Recessed New **Construction Housing** 

For Integrated LED Trims and Modules

20W Maximum

FOR USE IN **INSULATED CEILINGS** 

FOR DIRECT CONTACT WITH INSULATION









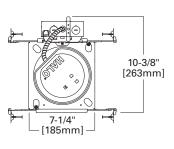


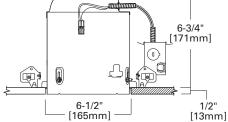




Refer to ENERGY STAR® certified Products List and CEC (T20) Database for compatible Halo LED listings.

> TD518256FN August 23, 2017 10:38 AM







Not to be used in direct contact with spray foam insulation.

# **ORDERING INFORMATION - E750ICAT**

**SAMPLE NUMBER:** E750ICAT - RL560WH6927 A complete luminaire consists of a housing, LED integrated trim or LED module and trim, order separately.

Housing	Trims	
E750ICAT= 6" new construction housing for LED integrated trims or modules	LT56 Family SMD6 Family RA56 Family RL56 Family SLD6 Family ML56 Family	



# HALO LED ICAT HOUSING for NEW CONSTRUCTION

The H750ICAT is a dedicated LED new construction housing to be used with designated HALO LED modules. The H750ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation\*. This AIRTITE housing design prevents airflow between conditioned and unconditioned spaces and saves on both heating and air conditioning costs. The LED connector system provides high efficacy code compliance when used with designated HALO LED modules and trims.

Catalog #	Type
Project	
Comments	Date
Prepared by	

# **DESIGN FEATURES**

# Housings

Aluminum construction for greater heat dissipation. H750 ICAT housing is gasketed to prevent airflow from heated or air conditioned spaces.

## **Plaster Frame**

Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness. Regressed locking screw for securing hanger bars. Cutouts included for easily crimping hanger bars in position

# Slide-N-Side™ Junction Box

- Positioned to accommodate straight conduit runs.
- Seven ½" trade size conduit knockouts with true pry-out slots.
- Slide-N-Side wire traps allow non metallic sheathed cable to be installed without tools and without removing knockouts.
- Allows wiring connections to be made outside the box.
- Simply insert the cable directly into the trap after connections are made.
- Accommodates the following standard non-metallic sheathed cable type:
- U.S. #14/2, #14/3, #12/2, #12/3
- Canada: #14/2, #14/3, #12/2

# GOT NAIL! Pass -N-Thru™ Bar Hangers

Bar Hanger features include

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams.
- Safety and Guidance system prevents snagging, ensures smooth, straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic leveling flange aligns the housing and allows holding the housing in place with one hand while driving nails.
- Housing can be positioned at any point within 24" joist spans
- Score lines allow tool-free shortening for 12" joists and bar hangers do not need to be removed for shortening.
- Bar hangers may be repositioned 90° on plaster frame
- Integral T-bar clip snaps onto T-bars – no additional clips are required.

# **LED Module Connection**

Halo LED modules simply install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw-base connection preserves the high efficacy rating and prevents use of low efficacy incandescent sources (see LED Module specifications).

# Caution

Connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

# Labels

- UL/cUL Listed 1598 Luminaire
- CE Marking "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with ML56 Series LED modules
- UL/cUL Listed for Feed Through
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location with select trims
- UL/cUL Listed for direct contact with insulation and combustible material\*
- Rated for 20W maximum

# Qualification

May be used with qualified Halo LED modules and designated trims for High Efficacy Luminaire Compliance:

- State of California Title 24
- International Energy Conservation Code (IECC)
- Washington State Energy Code
- New York State Energy Conservation Construction Code
   AIR-TITE™ Compliant
- Certified under ASTM-E283 standard for air-tight construction



# H750ICAT

**HALO®** 

6" New Construction IC AIR-TITE™ Housing For

Halo LED Modules and Trims

- ML56 Series
- RL56 Series RA56 Series

**High Efficacy LED Housing** 

FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION\*









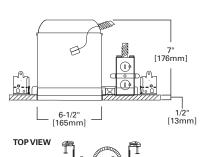






Qualified and compliant with select trims. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.

ADV141509 6/17/2014



7-3/8" [187mm]



\* Not to be used in direct contact with spray foam insulation.

# **ORDERING INFORMATION - RL56 SERIES**

**SAMPLE NUMBER:** H750ICAT - RL560WH6927 Order housing, light module, trim and separately.

Housing	RL56 LED - Compatible LED Retrofit Modules
H750ICAT= 6" Aperture, New Construction, IC AIR-TITE™, High Efficacy LED Housing	80 CRI RL560WH6827= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Matte White RL560SN6827= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Satin Nickel RL560SN6830= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Matte White RL560SN6830= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Satin Nickel RL560WH6835= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 3500K, Matte White  90 CRI RL560WH6927= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Matte White RL560SN6927= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Satin Nickel RL560WH6930= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White RL560SN6930= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Satin Nickel RL560WH6935= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White RL560WH6935= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White

# **ORDERING INFORMATION - RA56 SERIES**

**SAMPLE NUMBER:** H750ICAT - RA5606927WH Order housing, light module, trim and separately.

Housing	RA56 LED - Compatible LED Retrofit Modules
H750ICAT= 6" Aperture, New Construction, IC AIR-TITE™, High Efficacy LED Housing	Very Wide Flood - VWFL Models  RA5606927WH= 5"/6" LED Adjustable Gimbal, 90CRI, 2700K, White, Very Wide Flood RA5606930WH= 5"/6" LED Adjustable Gimbal, 90CRI, 3000K, White, Very Wide Flood  Narrow Flood - NFL Models RA5606927NFLWH= 5"/6" LED Adjustable Gimbal, 90CRI, 2700K, White, Narrow Flood RA5606930NFLWH= 5"/6" LED Adjustable Gimbal, 90CRI, 3000K, White, Narrow Flood

# **ORDERING INFORMATION - ML56 SERIES**

**SAMPLE NUMBER:** H750ICAT - ML5606830 - 693WB Order housing, light module, trim and separately.

Order housing, light module, tr	im and separately.		
Housing	ML56 LED Light Modules	ML56 LED Trims	ML56 System Accessories
H750ICAT= 6" Aperture, New Construction, IC AIR-TITE™, High Efficacy LED Housing	600 Series / 80 CRI ML5606837= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 2700K ML5606830= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3000K ML5606835= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3500K ML5606840= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 4000K  600 Series / 90 CRI ML5606947= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 2700K ML5606935= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3000K ML5606935= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3500K ML5606940= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3500K ML5606940= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3000K ML5609835= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 2700K ML5609830= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3500K ML5609830= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3500K ML5609840= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3500K ML5609840= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 2700K ML5609937= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 2700K ML5609930= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3500K ML5609940= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3000K ML5609940= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3000K ML5609940= 5"/6" LED Light Module, 1200 lumen, 80CRI, 2700K ML5612837= 5"/6" LED Light Module, 1200 lumen, 80CRI, 3500K ML5612835= 5"/6" LED Light Module, 1200 lumen, 80CRI, 3500K ML5612835= 5"/6" LED Light Module, 1200 lumen, 80CRI, 3500K ML5612835= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3500K ML5612935= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3500K ML5612935= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3500K ML5612930= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3500K ML5612935= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3500K ML5612935= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3500K	690 Series - 6" LED Trims  Non-Conductive "Dead Front" Baffles 691WB=6" LED Trim, Polymer "Dead-Front", Shallow White Baffle & Flange (For use with 600 Series LED Light Modules only)  Reflectors 692SC=6" LED Downlight Trim, Specular Reflector & White Flange 692H=6" LED Downlight Trim, Haze Reflector & White Flange 692W=6" LED Downlight Trim, White Reflector & Flange 693WB=6" LED Downlight Trim, White Micro-Step Baffle & Flange 693WB=6" LED Downlight Trim, Black Micro-Step Baffle & Flange 693SNB=6" LED Downlight Trim, Satin Nickel Micro-Step Baffle & Flange 693TBZB=6" LED Downlight Trim, Tuscan Bronze Micro-Step Baffle & Flange 694WB=6" LED Directional Trim, White Eyeball, Baffle & Flange 694NB=6" LED Directional Trim, Satin Nickel Eyeball, Baffle & Flange 694TBZB=6" LED Directional Trim, Tuscan Bronze Eyeball, Baffle & Flange 694TBZB=6" LED Directional Trim, White Eyeball, Baffle & Flange 694TBZB=6" LED Directional Trim, Wall Wash 695WW=6" LED Downlight Trim, Wall Wash with Specular Kick Reflector & White Flange  Shallow Baffle 696WB=6" LED Trim, White Shallow Baffle & Flange	ML56CLIP= 6" Friction Clip Kit - For use with non-torsion spring housings. 6" clips included.  WW6955C= Wall Wash Insert - Specular Kick Reflector for 695WW (1 included with trim). For double wall washing or replacement.  TRM690WH= 6" LED Oversize Trim Ring for use with 59" series trims, White 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface  EBA560PK= Replacement screwbase adapter to LED disconnect with cap  ML56-1200 Series Beam Forming Optic Media BFR56NFL=Beam forming reflector kit, narrow flood, 25" nominal BFR56MH=Media holder, accepts one 3.45" lens. Requires BFR56NFL & L345SF, order separately.  L345SF=3.45" diameter soft focus lens. Requires BFR56NFL and BFR56MH, order separately.



The H995ICAT is a dedicated LED small aperture IC AIR-TITE™ housing for use with compatible Halo 4-Inch LED modules. It is designed for use in insulated ceilings where it will be in direct contact with insulation\*. It is an AIR-TITE™ housing designed to prevent air flow between occupied spaces and unconditioned areas.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

# **DESIGN FEATURES**

# **Housings**

- Double wall aluminum construction helps dissipate heat.
   The inner housing can be adjusted in the plaster frame to compensate for different ceiling materials.
- Designed for insulated ceilings in direct contact with insulation\*. (May also be installed in non-insulated ceilings.)

# **Plaster Frame**

- Galvanized steel die-formed construction.
- The inner housing can be removed from plaster frame to provide access to the junction box.
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling.
- Cutouts for easily crimping hanger bars in position.
- AIR-TITE aperture gasket is pre-installed.
- HALO identity embossed on plaster frame

# $\textbf{Slide-N-Side}^{\text{\tiny{TM}}} \ \textbf{Junction Box}$

- Positioned to accommodate straight conduit runs
- Seven 1/2" trade size conduit knockouts with true pry-out slots
- Slide-N-Side wire traps allow non-metallic sheathed cable to be installed without tools and without removing knockouts.
- Accepts a wide range of nonmetallic (type NM) sheathed cables - the standard cable types used in lighting in both U.S. and Canada.
- Allows wiring connections to be made outside the junction box
- Simply insert the cable directly into the trap after connections are made.

 Accommodates the following standard non-metallic sheathed cable sizes:

(US) #14/2, #14/3, #12/2, #12/3 (Canada) #14/2, #14/3, #12/2

# "Quick Connect" Connectors Three quick connect wiring

Three quick connect wiring connectors included.

# GOT NAIL! Pass -N-Thru™ Bar Hangers

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams.
- Safety and guidance system prevents snagging, ensures smooth straight nail penetration and allows bar hangers to be easily removed if necessary.
- Automatic levelling flange aligns the housing and lets you hold the housing in place with one hand while driving nails.
- Housing can be positioned at any point within 24" joist span.
- Pass-N-Thru<sup>™</sup> feature allows bar hangers to be shortened without removing from plaster frame.
- Score lines allow "tool-less" shortening for 12" joists.
- Integral T-bar clip snaps onto T-bars - no additional clips required

# **LED Module Connection**

Halo LED modules simply install with a plug-in 120V line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw-base LED connection preserves the high efficacy rating of the luminaire (see also LED Module specifications). Two-conductor wire mount connector is rated for 120 - 277V and mates with Halo® LT4, RL4, RA4 and ML4 family of LED integrated

# Warranty

Cooper Lighting Solutions provides a five year limited warranty on Halo LED Luminaires which includes the LED Recessed Housing, and LED module.

# Labels

- UL/cUL Listed 1598 Luminaire
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location, with select trims
- · UL/cUL listed for Feed Through
- UL/cUL listed for Direct Contact with insulation and combustible material\*

# Compliance

- Use with designated LED light engines and trims for ENERGY STAR® certification.
- Can be used for State of California Title 24 high efficacy compliance with designated LED modules.
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated LED modules.

# Qualification

IC and AIR-TITE™
Certified under ASTM-E283 and listed UL/cUL 1598. May be used to meet insulated ceiling\* and restricted air-flow requirements such as:

- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code (NY-ECCC)
- State of California Title 24 "Recessed Luminaires in Insulated Ceilings."
- \* Not to be used in direct contact with spray foam insulation.

# H995ICAT

**HALO®** 

4-Inch New Construction Insulated Ceiling AIR-TITE™ Recessed Housing

> For Halo 4-Inch LED Modules

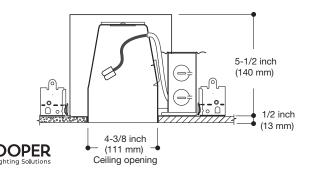
**High Efficacy LED Housing** 

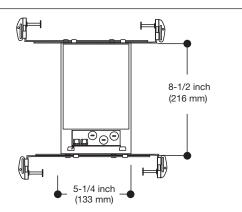
FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION\*

ALSO SUITABLE FOR NON-IC CEILINGS

# **DIMENSIONS**











Refer to ENERGY STAR® Certified Products List and CEC (T20) Database for listings.

TD518095EN January 27, 2017

# **Ordering Information**

Sample Number: H995ICAT

Order housing, LED module, and trim separately.

H995ICAT = 4" IC, Air-Tite, New Construction, LED Housing

# **Ordering Information**

The H995ICAT housing may also be used with Halo LED Modules and Surface LED Series.

LED Modules:
Compatible LED Series

RA4 RL4 LT4 SLD4 ML4

For details and ordering information refer to LED product specifications at www.cooperlighting.com



The H750RICAT is a dedicated LED Remodel housing to be used with designated Halo LED modules. The H750RICAT is designed for remodel applications in insulated ceilings and can be in direct contact with ceiling insulation\*. This AIR-TITE™ housing design prevents airflow between conditioned and unconditioned spaces and saves on both heating and air conditioning costs. The LED connector system provides High Efficacy code compliance when

used with designated HALO LED modules and trims.

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Prepared by	

# **DESIGN FEATURES**

# Housing

Single wall aluminum housing. Openings are gasketed for AIR- $\mathsf{TITE}^\mathsf{TM}$  installation. Can be used in 2"x 8" joist construction ( with 1/2" or 5/8" ceiling material).

# Slide-N-Side™ Junction Box

- Seven 1/2" trade size conduit knockouts with true pry-out slots.
- Slide-N-Side™ wire traps allow non-metallic sheathed cable to be installed without tools and without removing knockouts.
- · Accepts a wider range of nonmetallic sheathed cable - the standard cable types used in lighting for both US and Canada.
  - Allows wiring connections to be made outside the box.
  - Simply insert the cable directly into the trap after connections are made.
  - Accommodates the following standard non-metallic sheathed cable types. (US) #14/2, #14/3, #12/2, #12/3 (Canada) #14/2, #14/3, #12/2

# **Remodel Springs**

Four remodel clips secure housing and accommodate 1/2" and 5/8" ceiling material.

# **LED Module Connection**

Halo LED modules simply install with a plug-in 120V-277V rated line voltage wiring connector(UL and CSA Listed Luminaire Disconnect). This non-screwbase connection preserves the high efficacy rating and prevents use of low efficacy incandescent sources.

# Caution

Connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

# Labels

- UL/cUL Listed 1598 Luminaire
- CE Marking "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with ML56 Series LED modules
- Listed for Feed Through
- · Listed for direct contact with insulation and combustible material\*
- Listed for Damp Location
- · Listed for Wet Location with select trims
- Rated for 20W maximum

## Qualification

May be used with qualified Halo LED modules and designated trims for High Efficacy Luminaire Compliance:

- State of California Title 24
- International Energy Conservation Code (IECC)
- Washington State Energy Code
- New York State Energy Conservation Construction Code - AIR-TITE™ Compliant
- Certified under ASTM-E283 standard for air-tight construction



# H750RICAT

6" Remodel IC AIR-TITE™ Housing

**Halo LED Modules and Trims** - ML56 Series

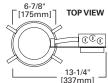
- RL56 Series
- RA56 Series

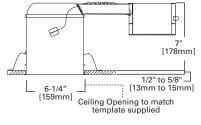
**High Efficacy LED Housing** 

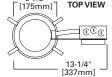
FOR USE IN **INSULATED CEILINGS** 

FOR DIRECT CONTACT WITH INSULATION\*

> TO BE INSTALLED FROM BELOW THE **CEILING**









\* Not to be used in direct contact with spray foam insulation.















Qualified and compliant with select\_trims. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.

ADV141507 6/17/2014

# **ORDERING INFORMATION - RL56 SERIES**

**SAMPLE NUMBER:** H750RICAT - RL560WH6927 Order housing, light module, trim and separately.

# H750RICAT= 6" Aperture, Remodel, IC AIR-TITE™, High Efficacy LED Housing 80 CRI RL560WH6827= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Matte White RL560SN6827= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Satin Nickel RL560SN6830= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Matte White RL560SN6830= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Satin Nickel RL560WH6835= 5"/6" Retrofit Baffle - Trim LED Module, 80CRI, 3500K, Matte White RL560WH6835= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Satin Nickel RL560SN6927= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Satin Nickel RL560SN6930= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Satin Nickel RL560SN6930= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White RL560SN6930= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White RL560SN6930= 5"/6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White

# **ORDERING INFORMATION - RA56 SERIES**

**SAMPLE NUMBER:** H750RICAT - RA5606927WH Order housing, light module, trim and separately.

Housing	RA56 LED - Compatible LED Retrofit Modules
H750RICAT= 6" Aperture, Remodel, IC AIR-TITE™, High Efficacy LED Housing	Very Wide Flood - VWFL Models  RA5606927WH= 5"/6" LED Adjustable Gimbal, 90CRI, 2700K, White, Very Wide Flood RA5606930WH= 5"/6" LED Adjustable Gimbal, 90CRI, 3000K, White, Very Wide Flood
	Narrow Flood - NFL Models  RA5606927NFLWH= 5"/6" LED Adjustable Gimbal, 90CRI, 2700K, White, Narrow Flood RA5606930NFLWH= 5"/6" LED Adjustable Gimbal, 90CRI, 3000K, White, Narrow Flood

# **ORDERING INFORMATION - ML56 SERIES**

**SAMPLE NUMBER:** H750RICAT - ML5606830 - 693WB Order housing, light module, trim and separately.

	, tim and separatery.		
Housing	ML56 LED Light Modules	ML56 LED Trims	ML56 System Accessories
H750RICAT= 6" Aperture, Remodel, IC AIR-TITETM, High Efficacy LED Housing	ML5606827 = 5"/6" LED Retrofit Downlight Light Module, 600   lumen, 80CRI, 2700K	690 Series - 6" LED Trims  Non-Conductive "Dead Front" Baffles 691WB=6" LED Trim, Polymer "Dead- Front", Shallow White Baffle & Flange (For use with 600 Series LED Light Modules only)  Reflectors 692SC=6" LED Downlight Trim, Specular Reflector & White Flange 692H=6" LED Downlight Trim, Haze Reflector & White Flange 692W=6" LED Downlight Trim, White Reflector & Flange 693WB=6" LED Downlight Trim, White Micro-Step Baffle & Flange 693WB=6" LED Downlight Trim, Back Micro-Step Baffle & Flange 693SNB=6" LED Downlight Trim, Satin Nickel Micro-Step Baffle & Flange 693TBZB=6" LED Downlight Trim, Tuscan Bronze Micro-Step Baffle & Flange  Semi-Regressed Eyeballs 694WB=6" LED Directional Trim, White Eyeball, Baffle & Flange 694SNB=6" LED Directional Trim, Tuscan Bronze Eyeball, Baffle & Flange 694TBZB=6" LED Directional Trim, Tuscan Bronze Eyeball, Baffle & Flange  Wall Wash 695WW=6" LED Downlight Trim, Wall Wash with Specular Kick Reflector & White Flange  Shallow Baffle 696WB=6" LED Trim, White Shallow Baffle & Flange	ML56CLIP= 6" Friction Clip Kit - For use with non-torsion spring housings. 6" clips included.  WW6955C= Wall Wash Insert - Specular Kick Reflector for 695WW (1 included with trim). For double wall washing or replacement.  TRM690WH= 6" LED Oversize Trim Ring for use with 59" series trims, White 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface  EBA560PK= Replacement screwbase adapter to LED disconnect with cap  ML56-1200 Series Beam Forming Optic Media  BFR56MH=Beam forming reflector kit, narrow flood, 25° nominal  BFR56MH=Media holder, accepts one 3.45" lens. Requires BFR56NFL & L345SF, order separately.  L345SF=3.45" diameter soft focus lens. Requires BFR56NFL and BFR56MH, order separately.

Solite® is a registered trademark of AGC Flat Glass North America.



# **DESCRIPTION**

The Halo H995RICAT is a dedicated LED remodel small aperture IC AIR-TITE housing for use with compatible Halo 4-Inch LED modules. It is designed for installation into existing insulated ceilings where it will be in direct contact with insulation\*. It is an AIR-TITE housing designed to prevent air flow between occupied spaces and unconditioned areas. The LED connection is non-screw base to preserve the high efficacy rating of the luminaire as used with the RL4 LED module.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

# **DESIGN FEATURES**

# **MECHANICAL**

## Housings

Single wall formed aluminum construction. Openings are gasketed for AIR-TITE installation. 5 1/2" height allows use in shallow joist construction. AIR-TITE aperture gasket is pre-installed.

# Remodel Arm

 Spring steel construction designed for ease of installation and ceiling support of LED driver.

# **MOUNTING**

# **Remodel Springs**

 Four remodel clips secure housing and accommodate 1/2" and 5/8" ceiling material.

# **ELECTRICAL**

# **Junction Box**

- Seven 1/2" trade size conduit knockouts with true pry-out slots
- Slide-N-Side<sup>™</sup> connectors allow non metallic sheathed cable to be installed without tools and without removing knockouts.
- Accepts a wide range of non-metallic sheathed cables
  - The standard cable types used in lighting in both U.S. and Canada.
- Allows wiring connections to be made outside the junction box.
- Simply insert the cable directly into the trap after connections are made.

 Accommodates the following standard nonmetallic sheathed cable types: US: #14/2, #14/3, #12/2, #12/3 Canada: #14/2, #14/3, #12/2

# "Quick Connect" Connectors

Three quick connect wiring connectors included.

# **LED Module Connection**

Halo LED modules simply install with a plug-in 120V line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw-base LED connection preserves the high efficacy rating of the luminaire (see also LED Module specifications).

Two-conductor wire mount connector is rated for 120 - 277V and mates with Halo® LT4, RL4, RA4 and ML4 family of LED integrated trims.

# Warranty

Cooper Lighting Solutions provides a five year limited warranty on Halo LED

Luminaires which includes the LED Recessed Housing, and LED module.

# Labels

- UL/cUL Listed 1598 Luminaire
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location, with select trims
- UL/cUL listed for Direct Contact with insulation and combustible material\*

# Compliance

- Use with designated RL4 LED module for ENERGY STAR® certification.
- Can be used for State of California Title 24 high efficacy compliance with designated LED module.
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated LED module.

# Qualification

IC and AIR-TITE™

Certified under ASTM-E283 and listed UL/cUL 1598. May be used to meet insulated ceiling\* and restricted air-flow requirements such as:

- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code (NY-ECCC)
- State of California Title 24 "Recessed Luminaires in Insulated Ceilings."
- \* Not to be used in direct contact with spray foam insulation.



# **H995RICAT**

**HALO®** 

4-Inch Remodel Insulated Ceiling AIR-TITE™ Recessed Housing

For Halo 4-Inch LED Modules

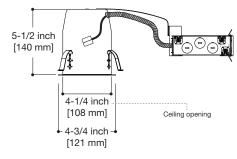
**High Efficacy LED Housing** 

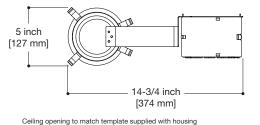
FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION\*

ALSO SUITABLE FOR NON-IC CEILINGS

# **DIMENSIONS**











Refer to ENERGY STAR® Certified Products List and CEC (T20) Database for listings.

TD518096EN

January 26, 2017



# **Ordering Information**

Sample Number: H995RICAT

Order housing, LED module, and trim separately.

H995RICAT = 4" IC, Air-Tite, LED Housing

# **Ordering Information**

The H995RICAT housing may also be used with Halo LED Modules and Surface LED Series.

LED Modules:
Compatible LED Series
RA4
RL4
LT4
SLD4

For details and ordering information refer to LED product specifications at www.cooperlighting.com



Project	Catalog #	Туре	
Prepared by	Notes	Date	



# **HALO**

# LT4

3! @kk,Otqonrd KDC Hmsettp Sqhl Lnctkdr 5// K t ldm Rdqhdr 90 CRI

# **Typical Applications**

Qdrhcdmsh`k

# Interactive Menu

- Nacda Hmenal`shnma1
- Oqnctbs Rodbhb`shnmrofd3
- Ognsnldsqhb C`s` oʻfd 2
- Dmdfox % Odaenql`mbd C`s` oʻfd 3
- Oqnctbs V `qq`msx

# Oquetbs Bdqshb`shnm













Refer to ENERGY STAR\* Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JAB.

NOTE: Due to T20 changes as of July 1\*2019 consult factory for current catalog number and availability for T20 compliant products.

Product Features



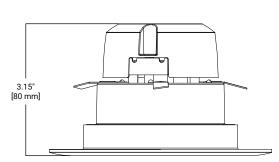




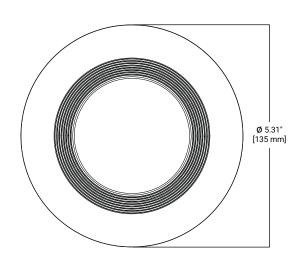
# **Top Product Features**

- ENERGY STAR® bdoshdc
- 2700K, 3000K, 3500K, 4000K, 5000K, 90 CRI
- Qdsgsr dwhrshmf 3 gntrhmfr vhsg rbdva rd `c`osdq hmbktcdc
- Trd vhsg G`kn 3¨ KDC gntrhmfr, mdv bnmrsqtbshnm `mddrqcdk
- Chll`akd cnvm s n 0/\$

# **Dimensional and Mounting Details**







PS518028EN **page 1** January 13, 2020 11:41 AM

# **Order Information**

# R@LOKD NQCDQ MTLADQQT460WH6930R

A complete luminaire consists of a housing and a LED integrated trim, order separately.

Module	Finish	Lumens	CRI/CCT	Packaging	T20 Compliant
Module	Finish	Lumens	CRI/CCT	Accessories	
LT460 = 4" integrated LED trim	WH = matte white	6 = 600 lumen series (nominal). See table below for details.	927 = 90 CRI (minimum), 2700K CCT 930 = 90 CRI (minimum), 3000K CCT 935 = 90 CRI (minimum), 3500K CCT 940 = 90 CRI (minimum), 4000K CCT 950 = 90 CRI (minimum), 5000K CCT	R = Recyclable	-CA = California

# Accessories

HE26LED = Replacement medium base (E26) screw base adapter (one included with unit)

## **Housing Compatibility**

Bnlo`shakd G`kn KDC Gntrhmfr vhsg KDC Mhm`hqd Bnmmdbsq 'ghfg,db`bx bnlokh`ms: Shskd 13(

Halo LED
H995ICAT = 4" IC, airtight shallow new construction housing, LED, 120 - 277V
H995RICAT = 4" IC, airtight shallow remodeler housing, LED, 120 - 277V H245RICAT = 4" IC, airtight ultra-shallow remodeler housing, LED, 120 - 277V

# **Housing Compatibility**

**Halo LED Housings** 

H995ICAT = 4" IC, airtight shallow new construction housing, LED, 120 - 277V H99RTAT = 4" non-IC, airtight shallow remodeler housing, E26, 120V

H99RTAT = 4" non-IC, airtight shallow remodeler housing, E26, 120V

E4ICATSB = 4" non-IC, airtight shallow new construction housing, adjustable socket bracket, E26, 120V

E4TATSB = 4" non-IC, airtight shallow new construction housing, adjustable socket bracket, E26, 120V E4RTATSB = 4" non-IC, airtight shallow remodeler housing, adjustable socket bracket, E26, 120V

# **Housing Compatibility**

# Compatible All-Pro Incandescent E26 Screwbase Housings

All-Pro 4-Inch ET400ATSB = 4" All-Pro ET400RATSB = 4" All-Pro ET400ATSB = 4" All-Pro

# LT4 Series LED Retrofit is UL Classified for retrofit in the following 4" recessed housings:

The LT Series LED light module - trim combination is UL/cUL Listed or UL Classified for use with any 4\* diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 62.3 in 3 in addition to those noted above.



# Omctbs Rodbhb'shnmr

# LT460WH6927R - 91 CRI

# PRODUCT SPECIFICATIONS Lumens 630 Watts 8.2 Lumens Per Watt (Efficacy) 76.83 Color Accuracy (CRI) 91 Light Color (CCT) 2700K Correlated Color Imperature (CCT) 2700K warm white soft white bright white 2700K 3000K 4500K 6500K

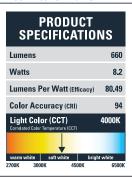
# LT460WH6930R - 91 CRI

PRODUCT Specificatio	NS
Lumens	620
Watts	8.3
Lumens Per Watt (Efficacy)	74.7
Color Accuracy (CRI)	91
Light Color (CCT) Correlated Color Temperature (CCT)	3000K
<b>+</b>	
warm white soft white brigh 2700K 3000K 4500K	t white 6500K

# LT460WH6935R - 93 CRI



LT460WH6940R - 94 CRI



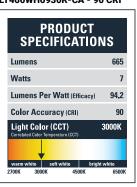
# LT460WH6950R - 95 CRI



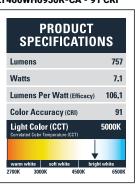
LT460WH6927R-CA - 90 CRI

PRODUCT Specifications	
Lumens	651
Watts	7
Lumens Per Watt (Efficacy)	92.4
Color Accuracy (CRI)	90
Light Color (CCT) Correlated Color Temperature (CCT)	2700K
<b>↓</b>	
warm white soft white bright 2700K 3000K 4500K	white 6500l

# LT460WH6930R-CA - 90 CRI



LT460WH6950R-CA - 91 CRI



# **Photometric Data**

# LT4 Photometric\*

		LT460WH6930R	
	Luminaire lumens		620
	Input	watts	8.3
	KDQ 'KOV(		74.7
		/,07/	1.16
	Spacing Criteria	8/,16/	1.16
		Ch`fnm`k	1.23
	Ad`l `mfkd	'cdfq ddr(	89
	Ehdkc `mfl	kd 'cdf <b>d</b> dr(	137.4
	Zonal lumen	Lumens	% Lumens
	0-30	214	37.3
	0-40	339	58.9
	0-60	517	90
90°	0-90	575	100
80'			80° 70° 60° 50°

<sup>\*</sup> Tested in accordance with IES LM63. Field results may vary.

# LT4-CA Photometric\*

	LT460WH6930R-C	A
Luminair	e lumens	665.4 7.06 94.2
Input	watts	
KDQ '	KOV(	
	/,07/	1.16
Spacing Criteria	8/,16/	1.16
	Ch`fnm`k	1.23
Ad`l `mfkd 'cdfq ddr( Ehdkc `mfkd 'cdf <b>q</b> dr(		89 137.4
0-30	214.6	37.1
0-40	381.5	58.6
0-60	585.3	89.9
0-90	651.1	100
50*		50°

<sup>\*</sup> Tested in accordance with IES LM63. Field results may vary.

**HALO** LT4 LED System 90 CRI

# Rodbhb`shnm d`stqdr

- KDCInctkd bnmrhrsr ne KDC` q\u00e0x+noshb`k\u00e0rrdlakx + cqhdq `mc a"d rsxkd rdke,`mfdc sqhl
- @bghahmf K6/ `s 24+/// gntgr hm HB `mc mnm,HB ookhb`shnmr

## Gaskets

 Bknrdc bdkk f'rj ds `bghdidr qdrsqhbsdiùhqnv adpthadldmsr vhsgnts `cchshnm`k b`tkjhmf

# **LED Array**

- @ oktokhsx ne knv onvdq KDCr orquhcd `tmhenql rntq bd vhsg ghfg dbhdmbx 'mc knmf kthe
- @u`hk`akd hm 8/ BQH lhmhltl+ Q8 fd`sdq sg`m 4/ me bnknq 'bbtq bx vhsghm 3 RCBL orquhed bnknq `bbtq` bx `mc tmhenqlhsx
- @u`hk`akd hm 16//+ 2///+ 24//+ 3/// `mc 4///J BBS bnknq sdlodqstqdr

# **Optical Assembly**

- · Noshb`k `rrdlakx oq nuhcdr vhcd chrsqhatshnm trdetk enq fdmdq `mc s`rj khfgshmf
- Cheetrd hmidbshnm Inkcdc kdmr vhsg btgds oqıkd oqnuhcdr tmhenqlhsx `mc ` e lhkh q k lo klaj ood,a,mpq
- Lddsr Dmdfx Rs`q bnknq `mftk`q tmhenglhsx adpthadldmsr

- Hmsdflq01/U 5/ Gy bnmrs`ms btqdms cqdq oquhcdr ghfg dbhdmbx nodqshnm
- Bnmshmtntr+ hbdq,edd chllhmf eg nl 0//\$ s n 0/\$ vhsg rdkdbs kd`chmf nàhdnmf dcfd 01/U og`rd bts childqr: bnmrtks chilhmf fthcd eng ing hmengl`shnm
- Bnmrtks childq I'mte'bstq dq enq bnlo'shahkhsx 'mc bnmchshnmr ne trd
- Hmkhmd dkdbsqhb`k pthbj bnmmdbs `mc D15 `c`osdq 'oqnuhcdc( oquhcdr I`hmr bnmmdbshnm
- @ rdo'q' sd fantme vhad 'me Intmshmf g'acv'q d hmrtadr ognodg fantme bnmmdbshnmgsitrhmf

- · Gd's sql'sdc eqhbshnm ak'cdr gnkc Inctkd rdbttkx sn sgd gntrhmf
- Otrg,m,S vhrs ed`stqd otkkr gntrhmf shfgsrsbdhkhmf ax qns`shmf bknbjvhrd
- Echbshnm ak'cdr rvhmf nts ne onrhshnnons'shmf bntmsdq,bknbjvhrd erd adknv sgd bdhkhmf enq rdquhbd nqdpk`bdldms

# Trim

- · Nmd,ohdbd rsdo a"d `mc rdke,`mfdc sqhl qhmf oquhedr kdmrdfqdrrhnm 'me detbdr khfgs kd'jr
- Hmidbshnm Inkcdc ok`rshb bnmrsqtbshnm hr hlo`bs adrhrs'ms 'mc mnm,bmgbud
- Mnm,bnmctbsbubnmrsqtbshnm lddsr Inrs knb`k bncd cd'c eanms apthallamsr

# Compliance

- bTKtr khrsdc enq trd vhsg G`kn gntrhmfr+ bk`rrñdc enq trd vhsg nsgdqgntrhmfr+ rdd hmrsqtbshnm rgdds enq bnmchshnmr ne `bbdos`ahkhsx
- V ds knb`shnm khrsdc `mc HO55dhnofansdbshnm q`sdc
- @hsthfgs odq @RSL,D172
- Rths`akd enq trd hm bknsgdr bknrdsr vgdm hmrs`kkdc hm`bbn**q**`mbd vhsg sgd MDB 30/-05 ro`bhmf adpthadldmsr
- DLH.QEH dlhrrhnmr odq EBB 36BEQ Oqs 04 bnmrtldq khlhsr
- · Bnms`hmr mn ldbqtqx nq kd`c `mc QnGR bnlokh`ms
- Ognsnldsqhb sdrshmf hm `blonnqnbd vhsg HDR KL,
- Kt ldm l'hmsdm'mbd oqidbshnmr hm 'bbriqnbd vhsg HDR KL,7/,/7 `mc SL,10,00
- B'm ad trdc eng Rs'sd ne B'khengnShiskd 13 ghfg db`bx ktlhm`hq d bnlokh`mbd+dedqlmbd sgd B`khenqmh` Drfxdlqnllhrrhnm Shskd 1/ @ookh`mbd Dbhdmbx C's'a'rd enq btqqdms khrshmfr
- ENERGY STAR® khrsdc+deploplmbd c's'a'rd enq btqqfms khrshmfr
- Lddsr Rs`sd ne B`khenqmhìktms`q k`lo rs`mc`q cr

# Warranty

Five year limited warranty, consult website for details www.cooperlighting.com

# Kt Idmr

**Energy Data** 

Retention

# 5// Rdqhdr Hmots Nuks`fd 01/U Hmots Btookins /-/58 'I@( 7-/ ' V ( Hmots novdq Dbhdmbx To sn 65 'KOV ( Hmqtrg '@( SGC9 13\$ OE9 /-8/ S @lahdms ,2/ , \*3/~B Rntmc Q`shmf 12ca`

**Energy Data** 



## DESCRIPTION

The Halo LT560 is an LED Baffle-Trim Module for 5" and 6" aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The LT560 is UL Certified for use with Halo and All-Pro, and can also be used with other compatible 5" and 6" housings. Precision construction makes any housing AIR-TITE for added HVAC savings and code compliance.

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# SPECIFICATION FEATURES

# Module

Module construction includes LED, heat sink, reflector, lens, baffle and trim rina

## Lens

- · Regressed lens
- Impact-resistant polycarbonate
- Convex form for lamp-like appearance
- Diffusing for even illumination

# Mounting

Torsion springs are pre-installed and adjust to fit 5" and 6" compatible housings

# **LED Chromaticity**

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377- 2011
- · High color performance with R9 greater than 50
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

# **Electrical**

- · LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5" and 6" LED housing
- LED Connector meets California Title-24 high efficacy luminaire requirement for a non-screw base

# socket, and where required to qualify as a high efficacy luminaire

- The included E26 medium screw-base Edison adapter provides easy retrofit of incandescent housings (see Housing Compatibility)
- L70 at 35,000 hours

# **LED Driver**

- 120V 50/60 Hz constant current dimmable driver provides high efficiency operation
- · If dimming is not required the fixture can be operated from a standard wall switch

# **Dimming**

- Designed for continuous dimming capability to nominally 10% with many 120V Leading Edge (LE) and Trailing Edge (TE) Phase Control dimmers. (Dimmers with low end trim adjustment offer greater assurance of achieving 10% level.)
- Consult dimmer manufacturer for compatibility and conditions of use Note: some dimmers require a neutral in the wallbox.

# Warranty

· Five-year limited warranty.

# Compliance Labels

- UL Certified 1598 Luminaire for US and Canada
- · UL Certified for Damp Location
- · UL Certified for Wet Location covered ceiling - Shower Applications
- May be installed in housings in direct contact with insulation \*\* and combustible material

# COMPLIANCE

- Airtight certified per ASTM-E283-04 (not exceeding 2.0 CFM under 75 Pascals pressure difference)
- Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.\*
- Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance
- **ENERGY STAR® Certified luminaire** - consult
- **ENERGY STAR® Certified Product** List\*
- EMI/RFI per FCC 47CFR Part 15 Class B Consumer limits, suitable for use in residential and commercial installations
- Contains no mercury or lead and RoHS compliant.
- · Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21
- Can be used in closets. Compliant with NFPA 70, NEC section 410.16 (A)(1) and 410.16 (C)(3).



LT560 **High Lumen Series** 5/6-Inch LED **Recessed Retrofit** 

**Module-Trim** 

90CRI 2700K, 3000K, 3500K,4000K, 5000K

**FOR USE IN INSULATED CEILING** AND NON- INSULATED **CEILING RATED HOUSINGS** 

**HIGH-EFFICACY LED** WITH INTEGRAL **DRIVER - DIMMABLE** 

**NON-CONDUCTIVE DEAD FRONT** CONSTRUCTION









\* Refer to ENERGY STAR® Certified Products List and CEC (T20) Appliance Database for listings

Can be used to comply with California Title 24 High Efficacy requirements Certified to California Appliance Efficiency Database under JA8

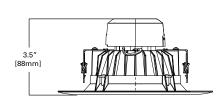
\*\* Not for use with housings in direct contact with spray foam insulation

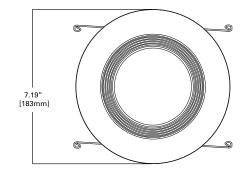






# **Dimensions**





# **ENERGY DATA**

Lumens	1200 Series @ 3000K	
Input Voltage	120V	
Input Current	(mA)	
Input Power	11.9 (W)	
Efficiency	95.8 (LPW)	
Inrush (A)		
THD: ≤ 20%		
PF: ≥ 0.90		
T Ambient -40 - +40°C		
Sound Rating ≤ 20dba		



COOPER

# **Ordering Information**

Sample Number: LT560WH12930

Complete unit includes an LT560 Baffle-Trim LED module and a 5" or 6" compatible housing ordered separately.

LT560WH12927 = 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 2700K, Matte White, High Lumen LT560WH12930 = 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 3000K, Matte White, High Lumen LT560WH12935 = 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 3500K, Matte White, High Lumen LT560WH12940 = 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 4000K, Matte White, High Lumen LT560WH12950 = 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 5000K, Matte White, High Lumen

# **Housing Compatibility**

# **Compatible Halo LED Housings**

	Recessed Can Size	Catalog Number
HALO LED	5"	H550ICAT, H550RICAT, E550ICAT, E550RICAT, H5ICAT, H5ICATNB, H5RICAT, E5ICAT, E5ICATNB, E5RICAT
	6"	H750ICAT, H750RICAT, H2750ICAT, H2750RICAT, E750ICAT, E750RICAT, H7ICAT, H7RICAT, H7RICAT, E7ICAT, E7RICAT, E7RTAT

# Compatible Halo Incandescent E26 Screwbase Housings

	5"	H5ICAT, H5ICATNB, H5RICAT, H5T, H5TNB, H5RT, H5TM, H25ICAT, H25ICATNB, E5ICAT, E5ICATNB, E5RICAT, E5RTAT, E5TATNB
HALO	AL0 6"	H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICT, H7UICAT, H27ICAT, H27RICAT, H27RICT, H27RICT, H27RT, E27ICAT, E27RICAT, E27RTAT, E27TAT, E7ICAT, E7ICATNB, E7RICAT, E7TAT, E7TATNB

# LT56 Series LED Retrofit is UL Classified for retrofit in the following 5/6" recessed housings:

The LT Series LED light module - trim combination is cULus Listed or UL Classified for use with any 5"/6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in<sup>3</sup> in addition to those noted above.

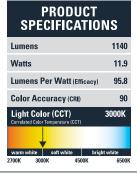
# **Product Specifications**

# LT560WH12927 - 90 CRI

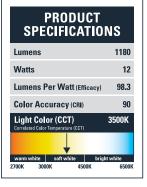




LT560WH12930 - 90 CRI



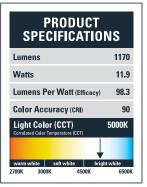
LT560WH12935 - 90 CRI



# LT560WH12940 - 90 CRI



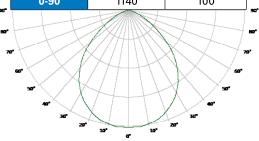
LT560WH12950 - 90 CRI



# **Photometric Data**

# LT56 Photometric\*

LT560WH12930		
Luminaire lumens		1140
Input watts		11.9
LER (LPW)		95.8
Spacing Criteria	0-180	1.12
	90-270	1.12
	Diagonal	1.22
Beam angle (degrees)		88.7
Field angle (degrees)		139.9
Zonal lumen	Lumens	% Lumens
0-30	411	36.1
0-40	643	56.4
0-60	1018	89.3
0-90	1140	100
	-	



<sup>\*</sup> Tested in accordance with IES LM63. Field results may vary.



The Halo RA56 SeleCCTable™ LED Adjustable Gimbal is a complete LED Baffle-Trim Module for 5-Inch or 6-Inch aperture recessed downlights. It is suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can chose between five different color temperatures. The RA56 SeleCCTable Gimbals feature adjustment of 35-degree tilt and up to 360-degree rotation.

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#### Specification Features

#### **CCT Select System**

 Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

#### Module - Trim

- Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.
- Up to 360-degree rotation
- 35-degree tilt
- · Halo matte white paint finish

#### **LED Array**

- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

#### **Optical Assembly**

- · Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- · Diffuse for even illumination

#### Driver

- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%.
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- See Dimming Guide for compatible dimmers

#### Retention

- Integral torsion springs and Push-N-Twist clips offer two mounting options
- Torsion springs are pre-installed and adjust to fit 5" or 6" compatible housings
- Push-N-Twist universal installation clips are pre-installed and designed to fit 5" or 6" compatible housings

#### Gaskets

 Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Can be used to comply with California Title 24 High Efficacy requirements Certified to California Appliance Efficiency Database under JA8.

#### Compliance

- UL Certified
- Damp location listed.
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8-2016-E.
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

#### Warranty

Five year limited warranty, consult website for details. www.cooperlighting.com



**RA56** 

5-Inch/6-Inch All-Purpose LED Retrofit Module with SeleCCTable switch

**600 Lumen Series** 

FOR USE IN INSULATED CEILING AND NON- INSULATED CEILING RATED HOUSINGS

> HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE



4000K • 5000K

ENERGY DATA	@ 3000K		
Lumens	600 Series		
Input Voltage	120V		
Input Current	.065 (mA)		
Input Power 7.0 (W			
Efficiency	90 %		
Inrush (A) .91			
THD: ≤ 20%			
PF: ≥ 0.90			
T Ambient -30 - +40°C			
Sound Rating ≤ 20	Sound Rating ≤ 20dba		





Refer to ENERGY STAR® Certified Products List

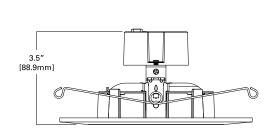


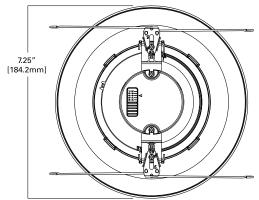






#### **Dimensions**







#### Ordering Information

#### SAMPLE NUMBER: RA56069S1EWH

A complete luminaire consists of a housing, and LED module, order separately.

Models	Lumens	CRI/CCT	Driver	Finish
RA56= 5"/6" LED Adjustable Gimbal	06=600 lumens (nominal)	<b>9S</b> =90 CRI minimum, white tuning, selectable CCT 2700K-5000K	<b>1E</b> =120V 60Hz leading or trailing edge phase cut 1% dimming	WH=Matte white baffle

Halo LED 5-inch
H550ICAT= 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing H550RICAT = 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing
E550ICAT = 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing E550RICAT= 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing

#### Halo LED 6-inch

H750ICAT = 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing H750RICAT= 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing H750T= 6" LED, Non-IC, Air-Tite, New Construction Housing

H750TCP= 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing

H2750ICAT= 6" LED, Shallow, Insulated Ceiling, Air-Tite, New Construction (use with 691X, 694X, 696X trims only)
H2750RICAT= 6" LED, Shallow, Insulated Ceiling, Air-Tite, Remodel (use with 691X, 694X, 696X trims only)

E750ICAT= 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing

E750RICAT= 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing

ML7E26RFK= 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface ML7BXFK= 6" Retrofit Enclosure, Non-IC, BX Whip

#### Halo Shallow Housings 5-inch

H25ICAT = 5" Shallow, Insulated Ceiling, Air-Tite New Construction

H25RICAT= 5" Shallow, Insulated Ceiling, Air-Tite Remodel

H25ICATNB= 5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket

Halo Shallow Housings 6-inch
H27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite New Construction
H27RICAT= 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing

**H27T**= 6" Shallow, Non-IC, New Construction Housing **H27RT**= 6" Shallow, Non-IC, Remodel Housing

E27ICAT = 6" Shallow, Insulated Ceiling, Air-Tite New Construction
E27RICAT = 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing
E27TAT = 6" Shallow, Non-IC, New Construction Housing

E27RTAT = 6" Shallow, Non-IC, Remodel Housing

#### Halo Standard Housings 5-inch

H5ICAT = 5" Insulated Ceiling, Air-Tite New Construction Housing H5RICAT = 5" Insulated Ceiling, Air-Tite Remodel Housing

H5ICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket

**H5T**= 5" Non-IC, New Construction Housing **H5RT**= 5" Non-IC, Remodel Housing

H5TNB= 5" Non-IC, New Construction Housing, No Socket Bracket
ESICAT= 5" Insulated Ceiling, Air-Tite New Construction Housing
ESRICAT= 5" Insulated Ceiling, Air-Tite Remodel Housing

ESICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket

E5TAT= 5" Non-IC, New Construction Housing

E5RTAT = 5" Non-IC, Remodel Housing

ESTATNB= 5" Non-IC, New Construction Housing, No Socket Bracket

#### Halo Standard Housings 6-inch

H7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing
H7RICAT= 6" Insulated Ceiling, Air-Tite Remodel Housing
H7ICT= 6" Insulated Ceiling, New Construction Housing

H7RICT= 6" Insulated Ceiling, Remodel Housing
H7ICATNB= 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
H7ICTNB= 6" Insulated Ceiling, New Construction Housing, No Socket Bracket

H7TLE 18 Non-IC, New Construction Housing, No Socket Bracke H7T= 6" Non-IC, Remodel Housing H7RT= 6" Non-IC, Remodel Housing H7TMB= 6" Non-IC, New Construction Housing, No Socket Bracket H7TCP= 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing H7UICAT= 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing E7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing E7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing E7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing

ETRICAT = 6" Insulated Ceiling, Air-Tite Remodel Housing
ETICATNB = 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
ETTAT = 6" Non-IC, New Construction Housing

**E7RTAT**= 6" Non-IC, Remodel Housing **E7TATNB**= 6" Non-IC, New Construction Housing, No Socket Bracket

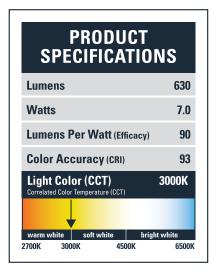


#### **Photometric Data**

RA56069S1EWHR-3000K				
Luminair	Luminaire lumens			
Input	watts	7.0		
LER (	LPW)	90		
	0-180	1.21		
Spacing Criteria	90-270	1.21		
On tonia	Diagonal	1.29		
Beam angl	e (degrees)	98.1		
Field angle	e (degrees)	151.4		
Zonal lumen	Zonal lumen Lumens			
0-30	201	31.9		
0-40	324	51.4		
0-60	532	84.5		
0-90 630		100		

<sup>\*</sup> Tested in accordance with IES LM63. Field results may vary.

#### **Product Specifications**





Project	Catalog #	Туре	
Prepared by	Notes	Date	



# **HALO**

# **RL56 | Selectable CCT**

5-inch/6-inch All-purpose LED retrofit module with SeleCCTable switch

**Typical Applications** 

Residential

# Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Photometric Data page 4
- Energy & Performance Data page 4
- Product Warranty
- Dimming Guide

#### **Product Certification**













Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

Note: Due to T20 change, as of July 1, 2019 consult factory on correct catalog number and availability for T20 compliant California product.

#### **Product Features**







#### **Top Product Features**

- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT; 90 CRI
- Lumens: 600, 900, 1200
- Use with 5 or 6" housings with screwbase adapter included
- Dimmable down to 5%

600/900 Lumen

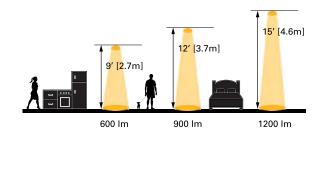
1200 Lumen

• Dual-mount: Torsion Spring and Push-N-Twist clip models

### **Dimensional and Mounting Details**

# 7.25° [184.2mm]

#### Scale





**BACK TO PAGE** 

#### Order Information\*

#### SAMPLE ORDER NUMBER: RL56069S1EWHR

Notes	Notes	Notes	Notes	Notes	Notes	Notes
<b>RL56</b> = 5"/6" all- purpose retrofit LED module	06 = 600 lumens (nominal) 09 = 900 lumens (nominal) 12 = 1200 lumens (nominal)	9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K	1E = 120V 60Hz leading or trailing edge phase cut 1% dimming	WH = Matte white baffle	R = Recyclable	-CA
Models	Lumens	CRI/CCT	Driver	Finish	Packaging	T20 Compliant
Models	Lumens	CRI/CCT	Driver	Finish	Packaging	T20 Compliant

### **Designer Trims** RL56TRMWHB = 5"/6" White Paintable Trim Ring, Baffle RL56TRMSNB = 5"/6" Satin Nickel Trim Ring, Baffle RL56TRMTBZB = 5"/6" Tuscan Bronze Trim Ring, Baffle RL56TRMWH = 5"/6" White Paintable Trim Ring RL56TRMSN = 5"/6" Satin Nickel Trim Ring RL56TRMTBZ = 5"/6" Tuscan Bronze Trim Ring Notes







**RL56TRMWHB** White (Paintable)

**RL56TRMTBZB** Tuscan Bronze

**RL56TRMSNB** Satin Nickel







**RL56TRMWH** White (Paintable)

**RL56TRMTBZ** Tuscan Bronze

**RL56TRMSN** Satin Nickel

#### **Housings**

#### Halo LED 5-inch

**H550ICAT** = 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing H550RICAT = 5 " LED, Insulated Ceiling, Air-Tite, Remodel HousingE550ICAT = 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing

E550RICAT = 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing

H750ICAT = 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing

H750RICAT = 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing  $extbf{H750T} = 6$ " LED, Non-IC, Air-Tite, New Construction Housing

H750TCP = 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing

H2750ICAT = 6" LED, Shallow, Insulated Ceiling, Air-Tite, New Construction (use with 691X, 694X, 696X trims only)

H2750RICAT = 6" LED, Shallow, Insulated Ceiling, Air-Tite, Remodel (use with 691X, 694X, 696X trims only)

E750ICAT = 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing

E750RICAT = 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing

ML7E26RFK = 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface

ML7BXFK = 6" Retrofit Enclosure, Non-IC, BX Whip

#### Halo Shallow Housings 5-inch

H25ICAT = 5" Shallow, Insulated Ceiling, Air-Tite New Construction H25RICAT = 5" Shallow, Insulated Ceiling, Air-Tite Remodel

H25ICATNB = 5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket

#### Halo Shallow Housings 6-inch

H27ICAT = 6" Shallow, Insulated Ceiling, Air-Tite New Construction H27RICAT = 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing

H27T = 6" Shallow, Non-IC, New Construction Housing

H27RT = 6" Shallow, Non-IC, Remodel Housing

E27ICAT = 6" Shallow, Insulated Ceiling, Air-Tite New Construction

E27RICAT = 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing

E27TAT = 6" Shallow, Non-IC, New Construction Housing

E27RTAT = 6" Shallow, Non-IC, Remodel Housing

Halo Standard Housings 5-inch

H5ICAT = 5" Insulated Ceiling, Air-Tite New Construction Housing H5RICAT = 5" Insulated Ceiling, Air-Tite Remodel Housing

H5ICATNB = 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket

H5T = 5" Non-IC. New Construction Housing

H5RT = 5" Non-IC, Remodel Housing

H5TNB = 5" Non-IC, New Construction Housing, No Socket Bracket

ESICAT = 5" Insulated Ceiling, Air-Tite New Construction Housing

E5RICAT = 5" Insulated Ceiling, Air-Tite Remodel Housing

ESICATNB = 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket

E5TAT = 5" Non-IC, New Construction Housing

E5RTAT = 5" Non-IC, Remodel Housing

ESTATNB = 5" Non-IC, New Construction Housing, No Socket Bracket

#### Halo Standard Housings 6-inch

H7ICAT = 6" Insulated Ceiling, Air-Tite New Construction Housing

H7RICAT = 6" Insulated Ceiling, Air-Tite Remodel Housing

H7ICT = 6" Insulated Ceiling, New Construction Housing

H7RICT = 6" Insulated Ceiling, Remodel Housing

H7ICATNB = 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket

H7ICTNB = 6" Insulated Ceiling, New Construction Housing, No Socket Bracket

H7T = 6" Non-IC, New Construction Housing

H7RT = 6" Non-IC, Remodel Housing

H7TNB = 6" Non-IC, New Construction Housing, No Socket Bracket

H7TCP = 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing

H7UICAT = 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing

E7ICAT = 6" Insulated Ceiling, Air-Tite New Construction Housing

E7RICAT = 6" Insulated Ceiling, Air-Tite Remodel Housing

E7ICATNB = 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket

E7TAT = 6" Non-IC, New Construction Housing

E7RTAT = 6" Non-IC, Remodel Housing

E7TATNB = 6" Non-IC, New Construction Housing, No Socket Bracket

Notes



PS518012EN page 2

### **Product Specifications**

#### **CCT Select System**

 Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

#### **Module - Trim**

- Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

#### **LED Array**

- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- ColorTemperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

#### **Optical Assembly**

- · Regressed lens
- Impact-resistant polycarbonate
- · Convex form and lamp-like appearance
- · Diffuse for even illumination

#### Driver

- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%.
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- See Dimming Guide for compatible dimmers

#### Retention

- Integral torsion springs and Push-N-Twist clips offer two mounting options
- Torsion springs are pre-installed and adjust to fit 5" or 6" compatible housings
- Push-N-Twist universal installation clips are pre-installed and designed to fit 5" or 6" compatible housings

#### **Designer Skins (sold separately)**

- RL56 skins are accessory rings that attach to the RL56 for a permanent finish. Refer to the RL56 accessories specification sheet for details.
  - White (Paintable)
  - · Satin Nickel
  - Tuscan Bronze

#### Gaskets

Closed cell gaskets achieve restrictive airflow requirements without additional caulking

#### Compliance

- UL Certified
- Wet and Damp location listed.
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES
   I M-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8-2016-E.
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

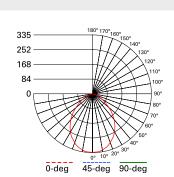
#### Warranty

 Five year limited warranty, consult website for details. www.eaton.com/lighting/legal



#### **Photometric Data**





#### RL56069S1EWHR-3000K

Spacing criterion: (0-180) 1.14

(90-270) 1.14

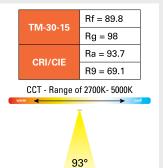
(Diagonal) 1.22

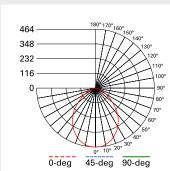
Beam Angle: 87.8° Field Angle: 139° Lumens: 693 Input Watts: 7.9 W Efficacy: 87.7 LPW

Test Report:

RL56069S1EWHR-3000K.ies

Zonal Lumen	Lumens	% Lumens
0-30	247	37.2
0-40	387	58.2
0-60	595	89.4
0-90	665	100





#### RL56099S1EWHR-3000K

Spacing criterion: (0-180) 1.16

(90-270) 1.16

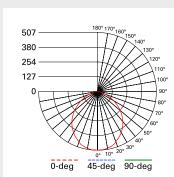
(Diagonal) 1.22

Beam Angle: 88.9° Field Angle: 140° Lumens: 957 Input Watts: 11.5 W Efficacy: 83.2 LPW Test Report:

RL56099S1EWHR-3000K.ies

Zonal Lumen	Lumens	% Lumens
0-30	345	36.7
0-40	541	57.5
0-60	838	89.1
0-90	940	100





#### RL56129S1EWHR-3000K

Spacing criterion: (0-180) 1.21

(90-270) 1.21

(Diagonal) 1.31

Beam Angle: 93° Field Angle: 140° Lumens: 1399 Input Watts: 14.2 W Efficacy: 91.5 LPW Test Report:

RL56129S1EWHR-3000K.ies

Zonal Lumen	Lumens	% Lumens
0-30	345	31.7
0-40	541	51.5
0-60	838	85.5
0-90	940	100



93°



# **Energy and Performance Data**

RL56069S1EWHR			
Max. Lumens	736 @ 5000K		
Input Voltage	120V		
Input Frequency	50/60 Hz		
Input Power	7.9W		
Input Current	0.15 A		
Power Factor	>0.90		
THD	<20%		
EMI/RFI	FCCTitle 47 CFR, Part 15, Class B (Consumer)		
Sound Rating	Class A		
Minimum Starting Temp	-30°C (-22°F)		

RL56099S1EWHR			
Max. Lumens	1012 @ 5000K		
Input Voltage	120V		
Input Frequency	50/60 Hz		
Input Power	11.4W		
Input Current	0.15 A		
Power Factor	>0.90		
THD	<20%		
EMI/RFI	FCCTitle 47 CFR, Part 15, Class B (Consumer)		
Sound Rating	Class A		
Minimum Starting Temp	-30°C (-22°F)		

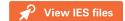
RL56129	S1EWHR
Max. Lumens	1399 @ 5000K
Input Voltage	120V
Input Frequency	50/60 Hz
Input Power	14.1W
Input Current	0.15 A
Power Factor	>0.90
THD	<20%
EMI/RFI	FCCTitle 47 CFR, Part 15, Class B (Consumer)
Sound Rating	Class A
Minimum Starting Temp	-30°C (-22°F)

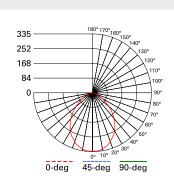
Tested in accordance with IES LM63. Field results may vary.

Note: Refer to IES files for more product data.



### **Photometric Data**





#### RL56069S1EWHR-CA-3000K

Spacing criterion: (0-180) 1.14

(90-270) 1.14

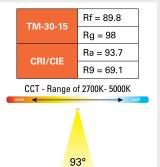
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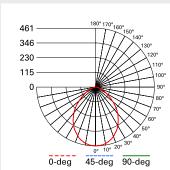
Beam Angle: 87.8° Field Angle: 139° Lumens: 665 Input Watts: 7.6 W Efficacy: 87.5 LPW

Test Report:

RL56069S1EWHR-CA-3000K.ies

Zonal Lumen	Lumens	% Lumens
0-30	247	37.2
0-40	387	58.2
0-60	595	89.4
0-90	665	100





#### RL56099S1EWHR-CA-3000K

Spacing criterion: (0-180) 1.13

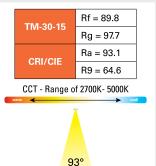
(90-270) 1.13

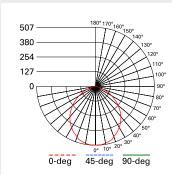
(Diagonal) 1.21

Beam Angle: 88.9° Field Angle: 140° Lumens: 923 Input Watts: 9.9 W Efficacy: 93.1 LPW Test Report:

RL56099S1EWHR-CA-3000K.ies

Zonal Lumen	Lumens	% Lumens
0-30	343	37.2
0-40	536	58.1
0-60	824	89.4
0-90	922	100





#### RL56129S1EWHR-CA-3000K

Spacing criterion: (0-180) 1.21

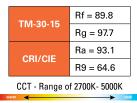
(90-270) 1.21

(Diagonal) 1.31

Beam Angle: 93° Field Angle: 140° **Lumens: 1221** Input Watts: 14 W Efficacy: 87.2 LPW Test Report:

RL56129S1EWHR-CA-3000K.ies

Zonal Lumen	Lumens	% Lumens
0-30	345	31.7
0-40	541	51.5
0-60	838	85.5
0-90	940	100





# **Energy and Performance Data**

RL56069S1EWHR-CA		
Max. Lumens	712 @ 4000K	
Input Voltage	120V	
Input Frequency	50/60 Hz	
Input Power	7.6W	
Input Current	0.15 A	
Power Factor	>0.90	
THD	<20%	
EMI/RFI	FCCTitle 47 CFR, Part 15, Class B (Consumer)	
Sound Rating	Class A	
Minimum Starting Temp	-30°C (-22°F)	

RL56099S1EWHR-CA		
Max. Lumens	946 @ 4000K	
Input Voltage	120V	
Input Frequency	50/60 Hz	
Input Power	9.9W	
Input Current	0.15 A	
Power Factor	>0.90	
THD	<20%	
EMI/RFI	FCCTitle 47 CFR, Part 15, Class B (Consumer)	
Sound Rating	Class A	
Minimum Starting Temp	-30°C (-22°F)	

RL56129S1EWHR-CA		
Max. Lumens	1272 @ 5000K	
Input Voltage	120V	
Input Frequency	50/60 Hz	
Input Power	14W	
Input Current	0.15 A	
Power Factor	>0.90	
THD	<20%	
EMI/RFI	FCCTitle 47 CFR, Part 15, Class B (Consumer)	
Sound Rating	Class A	
Minimum Starting Temp	-30°C (-22°F)	



Project	Catalog #	Туре	
Prepared by	Notes	Date	



# **HALO**

# **RL6-DM**

6" All-Purpose LED Retrofit Direct Mount w/ Remote Driver/Junction Box 600 Lumen Series

**Typical Applications** 

Residential

# Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Photometric Data page 4
- Energy & Performance Data page 4
- Product Warranty

### **Product Certification**











Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements
Certified to California Appliance Efficiency Database under JA8.

## **Product Features**



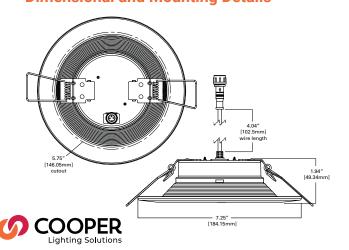




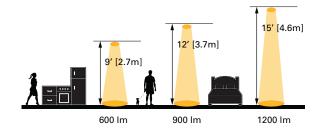
## **Top Product Features**

- · 6" Direct Mount Field Selectable CCT LED Retrofit
- · Direct mount does not require recessed housing or junction box
- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT
- Wet location listed for showers and protected ceilings
- · Dimmable to 5% with 120V dimmers

# **Dimensional and Mounting Details**



#### Scale





# **Order Information**

### SAMPLE ORDER NUMBER: RL6069S1EWHDMR

A complete luminaire consists of an LED module and remote driver/junction box.

Models	Lumens	CRI/CCT	Driver	Finish	Mounting	Packaging
Models	Lumens	CRI/CCT	Driver	Finish	Mounting	Packaging
RL6= 6" All-Purpose Retrofit LED module	06 = 600 lumens (nominal)	9S = 90 CRI minimum, white tuning, selectable CCT 2700K-5000K	1E = 120V 60Hz leading or trailing edge phase cut 5% dimming	<b>WH =</b> Matte white baffle	DM = Direct Mount	R = recyclable 4-color unit carton suitable for point of purchase merchandising display
Notes	Notes	Notes	Notes	Notes	Notes	Notes

#### Accessories

Accessories	
Mounting Frame HL6NCMF = 6" new construction mounting frame HL6RSMF = 6" round and square mounting frame	Extension Cable   Dedicated Driver/Jbox HLB06EC - 6 ft. extension cable HLB12EC - 12 ft. extension cable HLB20EC - 20 ft. extension cable
	Extension Cable   seleCCTable Driver/Jbox HLB06FSEC - 6 ft. extension cable HLB12FSEC - 12 ft. extension cable HLB20FSEC - 20 ft. extension cable



HALO RL6-DM

### **Product Specifications**

#### **CCT Select System**

 SeleCCTable models use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

#### **Module - Trim**

- Module construction includes LED Array, heat sink, reflector, lens, baffle and trim ring.
- · Regressed baffle
- Heat sink designed to conduct heat away from the LED Array

#### **LED Array**

- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM at the CCT endpoints and 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has an selectable range from 2700K to 5000K (factory default 3000K)
- Optional dedicated 3000K color temperature, color accuracy within 3 SDCM.

#### **Optical Assembly**

- · Regressed lens
- · Impact-resistant polycarbonate
- · Convex form and lamp-like appearance
- · Diffuse for even illumination

#### Gaskets

 Closed cell gaskets achieve restrictive airflow requirements without additional caulking

#### **Remote Driver/ Junction Box**

- Aluminum driver / junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90° C splice conductors, 2-in, 2-out plus (2) ground
- (2) 1/2" conduit pry-outs
- (2) Slide-N-Side<sup>™</sup> non-metallic (NM) wire traps all
- Accepts 14-2, 14-3, 12-2, 12-3 U.S and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral keyhole mounting slots facilitate direct mounting to building structure or new construction mounting frame

#### Driver

- Integral 120V 60 Hz constant current driver provides noise free operation
- · Continuous, flicker-free dimming from 100% to 5%.
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

#### Installation

- · Can be installed in 1/2" to 1-1/4"thick ceilings
- Cutout can utilize standard round hole saw sizes, cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

#### **Mounting / Retention**

- The RL-DM requires no housing or third party junction hox
- The remote enclosure may be used in direct contact with insulation.
- Installer must cut template out of drywall and install into aperture with the clips compressed.
- When released, the spring clips will rest on to the back side of the drywall
- · Not for installation in recessed cans

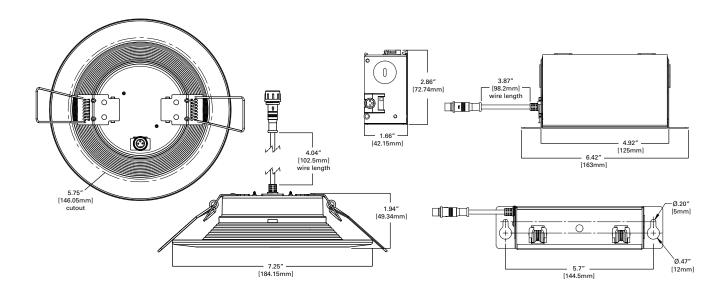
#### Compliance

- UL Certified for US and Canada
- · Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- · Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8-2016-E.
- Can be used International Energy Conservation Coe (IECC) and Washington State Energy Code high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

#### Warranty

 Five year limited warranty, consult website for details. www.cooperlighting.com/legal

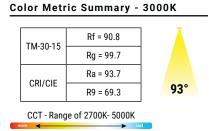
# **Dimensional and Mounting Details**





**HALO RL6-DM** 

#### **Photometric Data**



RL6069S1EWHDM-3000K			
Luminaire lumens		735.2	
Input watts		8.4	
LER (	LER (LPW)		
	0-180	1.16	
Spacing Criteria	90-270	1.16	
	Diagonal	1.22	
Beam angle (degrees)		89.1	
Field angle (degrees)		140.1	
Zonal lumen	Lumens	% Lumens	
	Lumens 269.1	% Lumens 36.6	
Zonal lumen			
Zonal lumen 0-30	269.1	36.6	
Zonal lumen 0-30 0-40	269.1 423.5	36.6 57.6	

0-90	735.2	100

<sup>\*</sup> Tested in accordance with IES LM63. Field results may vary.

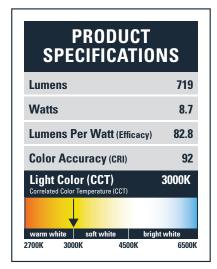
#### RL6-DM LPW 2700K 709.6 8.4 84.5 3000K 735.2 8.4 87.5 Field 3500K 756.4 8.4 90 Selectable CCT 4000K 772.5 8.4 5000K 781.1 8.4 93

# **Energy Data**

Energy Data @ 3000K		
Lumens	600 Series	
Input Voltage	120V	
Input Current	74 (mA)	
Input Power	8.7 (W)	
Efficiency	82.8 (LPW)	
Inrush (A)	2.1 (A)	
THD: ≤ 20%		
PF: ≥ 0.90		
T Ambient -30 - +40°C		
Sound Rating ≤ 20dba		

## **Product Specifications**

#### SeleCCTable RL6069S1EWHDM



View IES files

### NLOPAC-R6509T24

6" AC Opal - LED Surface Mount

Source: 16.5W Up to 1150lm

## Type **Project** Catalog No. Notes

#### PRODUCT DESCRIPTION

The AC Opal LED Series LED fixture is designed to surface mount over a standard junction box. The low profile dimmable luminaire produces even illumination and is cETLus listed for wet locations.

#### **FFATURES**

- · AC LED (No Driver)
- Dimmable
- 2700K, 3000K, 4000K or 5000K @ 90+ CRI
- White, bronze or natural metal finishes
- Mount on standard 4" junction box
- Retrofit kit included for 5" or 6" recessed housings
- **ENERGY STAR certified**

#### **SPECIFICATION**

Construction: One piece aluminum die formed housing and trim. Aluminum body dissipates heat and extends life.

Mounting: Surface mount luminaire is compatible with 3" or 4" junction boxes and ½" deep pancake boxes for ceiling or wall mount applications. Luminaires can also be retrofit over 5" or 6" recessed housings with retrofit kit (included).

Optics: Nora specified and designed precision molded lens for optimal lumen output and even distribution.

Finishes: Available in white, bronze and natural metal finishes.

Ratings: IC rated when used with a 4" electrical junction box rated for direct contact with insulation. Fire rated when used with a fire rated junction box.

Retrofit: Each luminaire includes a retrofit kit with medium base socket adapter to mount over 5" or 6" recessed housings. Kit also includes torsion spring brackets that hold luminaire flush against ceiling. Retrofit kit is intended to be used with a lighting fixture as a lamp replacement.

#### **ELECTRICAL**

Input Voltage: 120V

Lumens / Wattage: Up to 1150lm / 16.5W Color Temperature: 2700K, 3000K, 4000K, 5000K

Color Rendering Index: 90+ CRI Operating temperature: 0-45°C **Lifetime:** 50,000 hours @ L70 Dimming: 5% with Triac or 10% with ELV

<u>Click Here</u> or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

#### **ACCESSORIES**

NLOPAC-4BKT-2: Universal bracket for mounting to 3" or 4" junction boxes.

#### LISTING

- cETLus Listed for wet locations
- cETLus classified for retrofit
- **ENERGY STAR certified**
- 5-Year Limited Warranty
- Certified to the high efficacy requirements of California Title 24 JA8-2019
- Suitable for use in closets when installed in accordance to NEC Section 410.16 (A)(1) and 410.16 (C)(1)
- FCC Compliant

















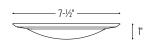
6505 Gavhart Street, Commerce, CA 90040

TEL 323.767.2600 | www.noralighting.com | e-mail: nora@noralighting.com

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Performance Data		
Part Number	Lumens	CCT
NLOPAC-R6509T2427W	1109lm	2700K
NLOPAC-R6509T2430W	1069lm	3000K
NLOPAC-R6509T2440W	1122Im	4000K
NLOPAC-R6509T2450W	1154lm	5000K

#### PRODUCT IMAGES AND DIMENSIONS

















**Optional Accessories** 

Description



NLOPAC-4BKT-2 Universal Bracket for 3" or 4" Junction Boxes

#### 6" AC Opal - LED Surface Mount

Lumens / Wattage Color Temperature Finish NLOPAC-R6509T24 = 1150lm / 16.5W **27** = 2700K BZ = Bronze **30** = 3000K NM = Natural Metal **40** = 4000K W = White 50 = 5000K (white finish only)

Example: NLOPAC-R6509T2450W = 6" AC Opal, 1150lm / 16.5W, 5000K, White finish

NLOPAC-4BKT-2 = Universal Bracket for 3" or 4" Junction Boxes

6" AC Opal Series - LED Surface Mount

Type

**Project** 

Catalog No.

**Notes** 

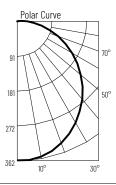
#### **Test Information**

Test Number: NTR1452 Part Number: NLOPAC-R6509T2427W Beam Spread: 113° Wide Flood

Beam Spread: 113° Wide F Lumens: 1109Im Wattage: 15.48W

Efficacy: 72lpw

CCT / CRI: 2700K / 90 CRI Spacing Criteria (0°-180°): 1.24 Spacing Criteria (90°-270°): 1.26



#### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.6fc	12'-1"
6'	10.1fc	18'-2"
8'	5.7fc	24'-4"
10'	3.6fc	30'-4"
12'	2.5fc	36'-5"

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	279	25.2
0-40	456	41.1
0-60	808	72.8
0-90	1084	97.8
90-180	25	2.2
0-180	1109	100

#### Candela Table

Candela	able
Vertical Angles	Candela
0	362
5	361
15	347
25	319
35	282
45	238

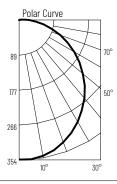
#### **Test Information**

Test Number: NTR1453

Part Number: NLOPAC-R6509T2430W Beam Spread: 112° Wide Flood

Lumens: 1069Im Wattage: 14.64W Efficacy: 73Ipw

CCT / CRI: 3000K / 90 CRI Spacing Criteria (0°-180°): 1.24 Spacing Criteria (90°-270°): 1.24



#### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.1fc	11'-10"
6'	9.8fc	17'-10"
8'	5.5fc	23'-8"
10'	3.5fc	29'-7"
12'	2.5fc	35'-6"

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	272	25.5
0-40	444	41.5
0-60	784	73.4
0-90	1046	97.9
90-180	23	2.1
0-180	1069	100

#### Candela Table

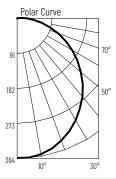
Vertical Angles	Candela
0	354
5	352
15	338
25	311
35	274
45	231

#### **Test Information**

Test Number: NTR1454 Part Number: NLOPAC-R6509T2440W Beam Spread: 113° Wide Flood

Lumens: 1122Im Wattage: 14.51W Efficacy: 77Ipw CCT / CRI: 4000K / 90 CRI

Spacing Criteria (0°-180°): 1.26 Spacing Criteria (90°-270°): 1.26



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.7fc	12'-1"
6'	10.1fc	18'-2"
8'	5.7fc	24'-4"
10'	3.6fc	30'-4"
12'	2.5fc	36'-5"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	280	25
0-40	458	40.8
0-60	814	72.6
0-90	1096	97.7
90-180	26	2.3
0-180	1122	100

#### Candela Table

Vertical Angles	Candela
0	363
5	360
15	347
25	320
35	284
45	240

#### **Test Information**

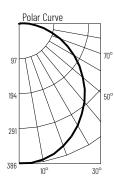
Test Number: NTR1766R1 Part Number: NLOPAC-R6509T2450W

Beam Spread: 111° Wide Flood

Lumens: 1154lm Wattage: 14.66W Efficacy: 79lpw

CCT / CRI: 5000K / 90 CRI Spacing Criteria (0°-180°): 1.24

Spacing Cyliteria (90°-270°): 1.24



#### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24.2fc	11'-8"
6'	10.8fc	17'-7"
8'	6.1fc	23'-5"
10'	3.9fc	29'-4"
12'	2.7fc	35'-1"

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	298	25.9
0-40	486	42.1
0-60	855	74.1
0-90	1133	98.2
90-180	21	1.8
0-180	1154	100

#### Candela Table

Vertical Angles	Candela
0	388
5	386
15	371
25	343
35	301
45	252





# KT-CBLED38-24A-8XX-VDIM-P

CENTER BASKET FIXTURE

#### **DESCRIPTION**

2' x 4' 38W LED Center Basket Fixture | 120-277V Input | 0-10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial recessed ceiling applications











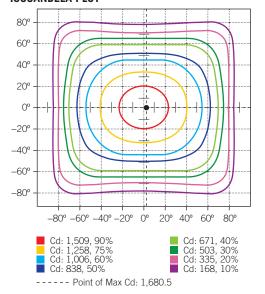
- Architectural grade center basket volumetric design
- Powered by Keystone 0–10V dimming LED drivers
- Smooth diffused lens for even appearance
- 0 –10V dimming, 10% minimum
- Compatible with Keystone SmartSafe emergency backups
- Compatible with Keystone occupancy sensors
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- THD: <20%
- PF: >0.95
- LED chip lifetime: L70 >100,000 hrs @ 25C°/77F° ambient fixture temp.
- Low optical flicker
- IC Rated

#### **PRODUCT SPECIFICATIONS**

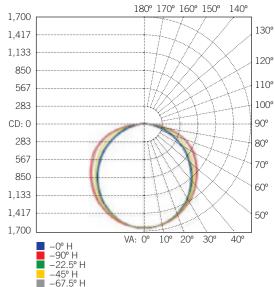
Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-CBLED38-24A-835-VDIM-P	3500K	2 ft. × 4 ft.	120-277V	38W	>82.0	4,720 lm	124 lm/W
KT-CBLED38-24A-840-VDIM-P	4000K	2 ft. × 4 ft.	120-277V	38W	>82.0	4,790 lm	126 lm/W
KT-CBLED38-24A-850-VDIM-P	5000K	2 ft. × 4 ft.	120-277V	38W	>82.0	4,825 lm	128 lm/W

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT**



#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,284.1	25.6%
0-40	2,100.3	41.9%
0-60	3,750.6	74.8%
60-90	1,247.1	24.9%
70-100	596.3	11.9%
90-120	5.2	0.1%
0-90	4,997.7	99.7%
90-180	14.1	0.3%
0-180	5,011.8	100%

**Keystone Technologies ●** Philadelphia, PA **●** Phone (800) 464-2680 **● www.keystonetech.com**Specifications subject to change. Last revised on 10.11.21

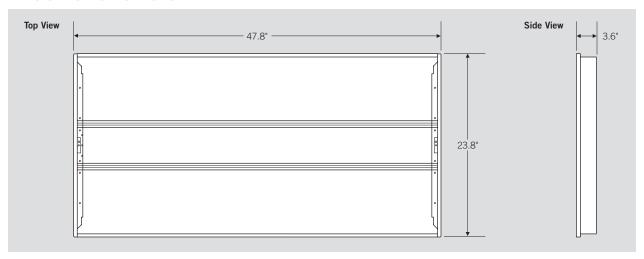




# KT-CBLED38-24A-8XX-VDIM-P

CENTER BASKET FIXTURE

### PHYSICAL SPECIFICATIONS



#### ORDERING INFORMATION

ORDER CODE	PACK QUANTITY	EASY CODE	UPC
KT-CBLED38-24A-835-VDIM-P-CP	1	NKE-03	843654122021
KT-CBLED38-24A-840-VDIM-P-CP	1	DGM-08	843654122038
KT-CBLED38-24A-850-VDIM-P-CP	1	OKI-45	843654122045

### **CATALOG NUMBER BREAKDOWN**

# KT-CBLED38-24A-8XX-VDIM-P

- 1 Keystone Technologies
- 2 Center Basket LED Fixture
- 3 Wattage
- 4 2' x 4' Nominal Size
- 5 Lamp Type
- 6 800 Series
- 7 Color Temperature
- 8 0-10V Dimming
- 9 Premium Series
- 10 Sensor Options

### 10 Sensor Options

	No option
/FC1-PIR	Occupancy sensor included

10



Type:	Date:
Job Name:	
Contractor:	
Catalog No.:	
Notes:	



Catalog#: ESI SELF-ILLUMINATING LOW-LEVEL EXIT SIGN

Category Page

Exit Signs

F12

#### **Features:**

- Non- Electrical, Non-Nuclear
- Non-Radioactive
- Minimum 5 Foot-Candles (54 Lux) external unfiltered Fluorescent
- Rated viewing distance of 50 feet
- Aluminum Body
- Photoluminescent Surface
- Built-in wall mount
- Field Applied Chevrons Included
- Single face only

### **Line Drawings:**



### **Certifications:**



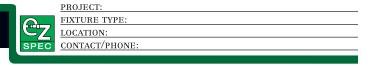
CAT NO	Letter Color
ESI	R (Red) G (Green)



www.orbitelectric.com









The Alliance is a thermoplastic, compact exit and emergency unit that features a unique illumination package. Housed in the bottom of the exit is a high output LED engine that is mated to an adjustable metallized reflector that provides optimal light distribution and performance. Offered in single or double face configurations with red or green LED's, the Alliance sets a new standard in the combination product category.

## PRODUCT SPECIFICATIONS

#### INSTALLATION

The Alliance is designed for surface wall or ceiling installations. Suitable for indoor / damp location environments.

#### ELECTRICAL

The Alliance features our newest generation 120/277 dual voltage, dual rate circuit board and charger; incorporating reliable internal solid-state transfer. This automatically connects the internal battery to the exit LED board and the LED emergency functions. Red or Green (non-self diagnostics) consume a total of 3W. Red or Green (self diagnostics) consume 3.5W. The low voltage disconnect feature prevents the battery from a deep discharge cycle. Maintenance free nickel cadmium battery is fully charged within 24 hours of a discharge. 0 - 50°C / 32 - 122°F operation.

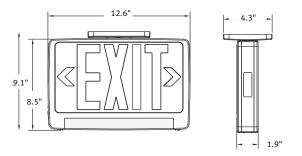
#### ELECTRICAL INFORMATION

	Input VAC	Wattage	Amps
Red LED	120/277V	3.0W	0.040A
Green LED	120/277V	3.0W	0.040A
Red LED w/ SD	120/277V	3.0W	0.047A
Green LED w/SD	120/277V	3.0W	0.047A

<sup>\*</sup>Data is based on continuous operating temperature of 25°C

#### BATTERY TECHNOLOGY

The Alliance series uses two  $4.8V\ 700mAHh$  maintenance free nickel cadmium batteries that provide a minimum emergency duration of 90 minutes. Recharge time of batteries is  $24\ hours$ .



#### SELF DIAGNOSTICS

The Alliance self diagnostics continually monitors the overall functionality of the unit. Every thirty (30) days a 15 minute test is performed. Annually, a 90 minute test is executed. The self diagnostics feature will properly exercise the batteries and prolong there overall life.

#### **DESIGN**

The Alliance combination dimensions match that of a standard EXIT. The compact size and low profile design allow the Alliance to be installed in almost any space.

#### LED EMERGENCY

The Alliance features an LED engine that consists of 36 high performance white LED's. An internal reflector system can be adjusted to optimize light performance and distribution.

#### MECHANICAL SPECIFICATIONS

The Alliance series is constructed from high impact, injection molded thermoplastic. The housing features field adjustable chevrons and a universal mounting pattern for surface mount installations. Fully adjustable reflector for optimum light distribution. External test switch and monitor LED provide immediate unit status.

#### WARRANTY

The Alliance combination unit comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

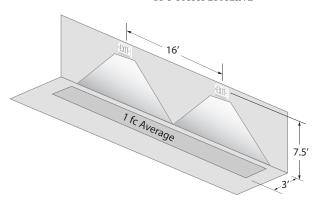
ORDERING INFORMATION					
MODEL	# OF FACES	LETTER COLOR	HOUSING COLOR	OPTIONS	
AL	U = Universal	R = Red	WW = All White	SD = Self-Diagnostics	
	Single/Double Face	G = Green	BB = All Black	REM = Remote Capable	

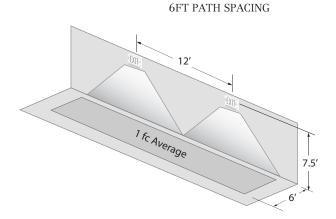
Ordering Example: AL-U-R-WW-SD

	PROJECT:
	FIXTURE TYPE:
7	LOCATION:
SPEC	CONTACT/PHONE:

#### SAMPLE PHOTOMETRICS

#### 3FT PATH SPACING





#### LED REMOTE HEADS (ORDER SEPERATELY)

- Each lamp contains 12 long-life, efficient ultra-bright white LED's
- Available in Single or Double head configurations
- $\bullet\,$  Indoor or Outdoor ratings available

MODEL	DESCRIPTION
ASRLED-1	Single LED Remote Indoor
ASRLED-2	Double LED Remote Indoor
ASRLED-1-SD	Single LED Remote Indoor (Units w/ SD Option)
ASRLED-2-SD	Double LED Remote Indoor (Units w/ SD Option)
ASRLED-1-WP	Single LED Remote Outdoor
ASRLED-2-WP	Double LED Remote Outdoor
ASRLED-1-WP-SD	Single LED Remote Outdoor (Units w/ SD Option)
ASRLED-2-WP-SD	Double LED Remote Outdoor (Units w/ SD Option)

#### OUTDOOR REMOTE HEADS











Mule Lighting , Inc.

46 Baker Street Providence, RI 02905

401 941-2929 F

www.mulelighting.com



# **AUTO-VOLTAGE SENSING LED REMOTES**

The Auto-Voltage Sensing LED remote heads are an installers best friend. These LED heads automatically identify voltage configurations from 3.6V to 12V. The remote heads are available in a high impact, flame resistant thermoplastic or a die-cast housing complete with a mounting canopy.

# **BENEFITS & FEATURES**

- Runs off of any 3.6 12 Volt Battery Source
- High Performance Chrome-Plated Metalized Reflector
- White Thermoplastic, 5VA Flame Retardant Housing (Indoor)
- Gray or Black Thermoplastic, 5VA Flame Retardant or Gray Diecast Housing (Outdoor)
- Impact Resistand Plastic Fresnel Lens (Indoor)
- Fresnel Glass Lens (Outdoor)
- Fully-Adjustable, Increases Center-to-Center Spacing
- 12 High output LED's per Lamp head 1.5W TOTAL
- 85 Lumens per Lamp Head
- 3.6VDC 12VDC Operation
- Universal Mounting Base Fits Single Gang J-Box
- Suitable for Wall or Ceiling Mount
- UL Listed with Approved Lighting Products
- Five Year Warranty







ASRLED2



ASRLED1-WP (WP-DC)



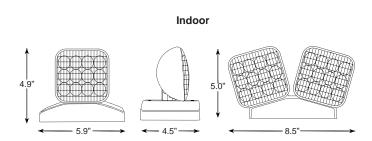
ASRLED2-WP (WP-DC)



ASRLED1-WP-BL



ASRLED2-WP-BL



# Outdoor (WP Option) 10.4" 6.6" 6.8"

ORDERING INFORMATION					
MODEL#	# HEADS	VOLTAGE RANGE	APPLICATION	HOUSING	
ASRLED1	1	3.6 - 12 VOLT	INDOOR	THERMOPLASTIC / WHITE	
ASRLED2	2	3.6 - 12 VOLT	INDOOR	THERMOPLASTIC / WHITE	
ASRLED1-WP	1	3.6 - 12 VOLT	OUTDOOR	THERMOPLASTIC / GRAY	
ASRLED2-WP	2	3.6 - 12 VOLT	OUTDOOR	THERMOPLASTIC / GRAY	
ASRLED1-WP-BL	1	3.6 - 12 VOLT	OUTDOOR	THERMOPLASTIC / BLACK	
ASRLED2-WP-BL	2	3.6 - 12 VOLT	OUTDOOR	THERMOPLASTIC / BLACK	
ASRLED1-WP-DC	1	3.6 - 12 VOLT	OUTDOOR	DIE-CAST ALUMINUM	
ASRLED2-WP-DC	2	3.6 - 12 VOLT	OUTDOOR	DIE-CAST ALUMINUM	



# **R-ASRLED Auto-Voltage Remotes**

PROJECT:
FIXTURE TYPE:
LOCATION:
CONTACT/PHONE:

## White



R-ASRLED-1-WP-W



R-ASRLED-2-WP-W

### Gray



R-ASRLED-1-WP-GR



R-ASRLED-2-WP-GR

### Black



R-ASRLED-1-WP-BL



R-ASRLED-2-WP-BL

#### **PRODUCT DESCRIPTION**

R-ASRLED-1-WP Series remote lamp heads combine the efficiency and reliability of LED illumination with rugged construction suitable for wet locations.

### **WARRANTY**

Any component that fails due to manufacturers defect is guaranteed for 3 years. The warranty does not cover physical damage, abuse or acts of God. See the full warranty document for detailed information.

#### **CONFORMANCE TO CODES & STANDARDS**

The R-ASRLED-1-WP Series is UL listed and meets or exceeds the following: UL 924.

### **FEATURES**

- 3 12VDC input
- Uses only 1 watt per lamp head
- Each lamp head contains 15 long lasting, efficient, ultra-bright white LEDs
- Rugged, injection-molded UL94 ABS flame retardant, high-temperature thermoplastic housing
- · Low cost easy installation
- Single and double head configurations available
- UL listed for wet locations
- For use with standard 4" j-box (Provided by others)
- · Standard finishes: Gray or Black

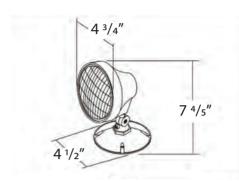
ORDERING INFORMATION			
	Models	Finish	
	R-ASRLED-1-WP (Single Head)	GR= Gray	
	R-ASRLED-2-WP (Double Head)	BL= Black	
		W= White	

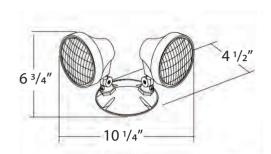
**EXAMPLE: R-ASRLED-1-WP-GR** 



# **R-ASRLED Auto-Voltage Remotes**

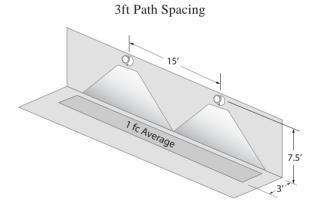
# **DIMENSIONS**

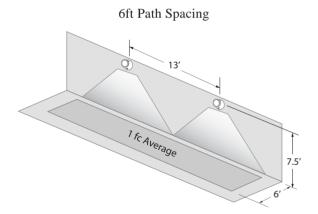




# SAMPLE PHOTOMETRICS

### R-ASR-LED-1

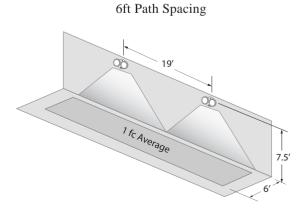




#### R-ASR-LED-2

Mule Lighting , Inc.

3ft Path Spacing 1 fc Average 7.5'



46 Baker Street Providence, RI 02905 800 556-7690 P



### **MAKO-LED Series**

LED GENERAL & EMERGENCY LIGHTING



#### PRODUCT DESCRIPTION

An indoor/outdoor architecturally styled high performance LED Luminaire available with 'normally-on' operation powered by line voltage, emergency operation powered by a Nickel-Cadmium battery source or a combination of both. Low profile, die-cast aluminum housing available in four powder coat finishes: dark bronze, white, nickel and black.

#### **PRODUCT SPECIFICATIONS**

#### CONSTRUCTION

Die cast aluminum housing • Scratch resistant Polyester powder coat finish • UV stabilized polycarbonate lens with prismatic pattern designed for path of egress distribution • Molded mirror finish reflector • Snap-fit housing and mounting plate are held together by four stainless steel clips • Universal mounting pattern molded into the back plate • Threaded top access for surface conduit installation • Silicone rubber seal with hollow center, shape adaptive design protects the electrical components • Junction box neoprene seal is attached to the back plate for a weather proof installation • Dark Bronze, Black, White or Nickel textured finish.

#### **ELECTRICAL**

Dual voltage 120/277VAC 60Hz input • Solid state charging and switching • Battery low voltage disconnect • AC power indicator and test switch at the bottom of the unit • Self Diagnostics standard on battery units.

#### **LAMPS**

Supplied with two CREE LED lamps for redundancy • 11 Watts total • 1080 Lumens 5000K color temperature • Features a UV stable mirror-bright reflector and prismatic polycarbonate refractor for ideal light output.

Maintenance-free NiCad battery will operate fixture for a minimum of 90 minutes in the event of a power outage.

#### **CODE COMPLIANCE**

UL924 • Listed for wet location applications (0°C-50°C) • Optional "IH" cold weather package for (-20°C-50°C) • IP65 Rated • NFPA 101 Life Safety Code compliant • NEC and OSHA compliant.

#### WARRANTY

5-year warranty. Product specifications subject to change without notice.

#### INSTALLATION

#### MOUNTING

Suitable for indoor or outdoor wall mounting on junction box, or with surface conduit using the supplied 1/2" threaded top access • Mounting plate has molded universal mounting pattern for simple mounting over junction box.

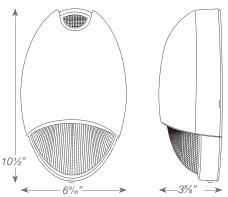












#### **ACEM Model** (NiCad Battery Backup)

Integral photocell: Unit operates as a dusk to dawn luminaire and in the event of a power failure as an emergency light.

**Remote Switched**: The integral photocell can be defeated to allow remote switching for normal operation. In the event of a power failure unit operates as an emergency light.

Normally Off: Both the photocell and switch options can be defeated for use as a standard emergency light that only operates in battery backup mode in the event of power loss.

#### AC Model (No Battery Backup)

*Integral photocell*: Enables operation as a dusk to dawn general lighting luminaire.

AC Only: The integral photocell can be defeated to allow remote switching as a general lighting luminaire.

ORDERING INFORMATION				
model	operation mode	housing color	options	
MAKO-LED	ACEM = General & Emergency Lighting	DB = Dark Bronze	IH = Internal Battery Heater	
	AC = General Lighting Only	WH = White	USA = Assembled in USA	
		BK = Black		
Ordering Example:	MAKO-LED-ACEM-DB	NK = Nickel		

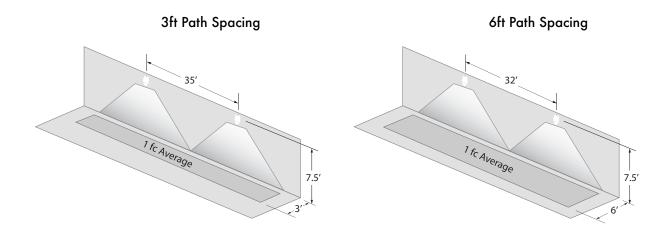


# **MAKO-LED Series**

PROJECT:
FIXTURE TYPE:
LOCATION:
CONTACT/PHONE:

LED GENERAL & EMERGENCY LIGHTING

#### **PHOTOMETRICS**



### **BATTERY DATA**

- · NiCad battery warranted for one full year
- Recharges in 48 hours or less

	Battery	Shelf	Expected	Ambient Temperature
Type	Voltage	Life 1	Life 1	Range <sup>2</sup>
NiCad	4.8V	10 years	5-8 years	32°F to 122°F (0° to 50°C)
N iCad with heater (IH option)	4.8V	10 years	5-8 years	-4°F to 122°F (-20° to 50°C)

<sup>&</sup>lt;sup>1</sup> At 77°F



Full self-test, self-diagnostic system is standard in every unit, performs a monthly, test as well as continuously monitoring all functions to ensure reliability a manual test may be initiated at any time

# **Sure-Lites**

The LED APC series is UL924 code compliant solution for indoor exit and emergency requirements that will operate for a minimum of 90 minutes during a power outage. The LED emergency heads are adjustable, can be side or top mounted and will provide 17 feet of emergency egress coverage. The nickel cadmium battery requires no maintenance. The exit features an LED source available for red or green letters, is field configurable for single or double face and has field configurable chevrons. The polycarbonate housing is universal mount (ceiling, wall or end ) and available in a white or black finish. The high powered remote capable versions (H series) will power two additional 3.6 volt emergency heads from the APWR series to generate a total of 34 feet of emergency egress coverage.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

#### SPECIFICATION FEATURES

#### **Electrical**

- Dual Voltage Input 120/277VAC, 60Hz
- Line-latching
- Solid-State Voltage Limited Charger
- Solid-State Switching
- Brownout Protection
- Low Voltage Disconnect
- Overload/Short Circuit Protection
- -Test Switch / Power Indicator Liaht
- High Power Combo available capable of running two additional LED remote heads
- 3.6V, .78W DC long Lasting **LED Heads**

#### **Housing Construction**

- All components are injection molded, color stable, high impact polycarbonate material
- -Textured finish available in white or black
- Components are of snap-fit construction to facilitate under 5-minute installation
- Reinforcing ribs throughout

- to provide maximum strength
- Molded-in wireways facilitate internal wire routing and connections
- All components including battery and electronics are located inside the exit housing
- Snap-out or snap-in chevron directional indicators have full 3/4" stroke
- Universal exits can be field configured as single face or double face
- Snap-fit canopy with captive mounting screws included with all exits
- Exit can be ceiling, wall, or end
- Universal J-box mounting pattern
- Operating temperature range 10 °C to 40 °C

#### Battery

- Sealed nickel cadmium
- Maintenance free, long life
- Full recharge time: 24 hrs (max.)

#### **Code Compliance**

- UL 924 Listed
- UL Damp Location Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- California Energy Code compliant

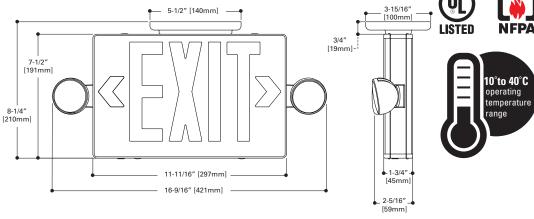
#### Lamp Data

- AC LED: Long life LED lamps provide uniform diffused illumination
- DC: LED DC lamps (Brighter in emergency mode)
- Heads DC: 3.6V, .78W Long Life **LED Heads Light Output** Equivalent to 5.4W Incandescent

#### Warranty

- Five-year warranty
- Seven-year prorated battery warranty





# COOPER

### ORDERING INFORMATION SAMPLE NUMBER: APXH7R2

Series	Remote Heads Powered	Battery	Face Options	Letter Colors	Housing Color	Catalog numbers
APC	_ = no remote heads	7 = nickel cadmium battery	_ = Universal	R = Red G = Green	_ = White <b>BK</b> = Black	APC7R, APC7RBK, APC7G,APC7GBK
APC	H = two 3.6V LED heads	7 = nickel cadmium battery	_ = Universal	R = Red G = Green	_ = White <b>BK</b> = Black	APCH7R, APCH7RBK, APCH7G,APCH7GBK





# APC/APCH **SERIES**

POLYCARBONATE EXIT AC ONLY SELF POWERED **EMERGENCY** LED LAMPS **EXIT LIGHTING** 

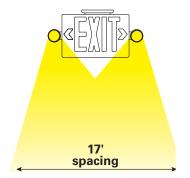
#### ENERGY DATA

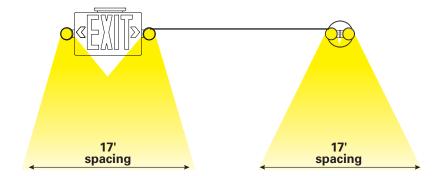
Maximum power consumption under all charge conditions:

Sealed Nickel Cadmium Battery	Energy Data AC Only LED		
LED Exits - Red	Exits - Red		
Input Power:	Input Power:		
120V = 1.31W	120V = 2.34W		
277V = 1.68W	277V = 1.62W		
Input Current	Input Current		
(Max.):	(Max.):		
120V = .09A	120V = .14A		
277V09A	277V10A		
Power Factor:	Power Factor:		
120V = >.12	120V = >.14		
277V = >.07	277V = >.06		

LED Exits - Green	LED Exits - Green
Input Power:	Input Power:
120V = 1.55W	120V = 2.8W
277V = 1.45W	277V = 2.1W
Input Current	Input Current
(Max.):	(Max.):
120V = .09A	120V = .10A
277V = .09A	277V = .10A
Power Factor:	Power Factor:
120V = >.14	120V = >.20
277V = >.06	277V = >.07

#### APC SPACING WITH REMOTE





#### **TECHNICAL DATA**

#### Lamps

The AP Series Exits with Heads use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. The low operating costs and zero maintenance requirement makes LED lamps the wisest choice for exit signs today. Emergency exit illumination is provided by LED lamps and the heads employ 3.6V, .78W DC Long Lasting LED Heads.

### **Housing Construction**

Rugged, durable, injection molded thermoplastic materials are used throughout the AP Series Exits with Heads. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity. These materials are impact and scratch resistant, and they have been UV stabilized to resist discoloration due to age and ultraviolet radiation. All components are designed to be of snap-fit construction - no mechanical fasteners - to facilitate installation in under 5-minutes. Any components required for installation (wirenuts, wire leads, universal metal J-box bracket, etc.) are all included with each exit. The universal design of the AP Series Exits with Heads enables universal exits to be configured as single face or double face in the field. The AP Series Exits with Heads can be wall, ceiling, or end mounted; a rugged, snapfit, low profile canopy with captive screws is included with every exit for ceiling and end mounting applications. Housing available in white or black color

#### Lens

Lenses for the AP Series Exits with Heads are made from durable impact resistant thermoplastic. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes.

#### Line-Latched

All Pro's line-latched electronic circuitry makes installation easy and economical. A labor efficient AC activated load switch prevents the lamps from turning on during installation to a non-energized AC circuit. Line-latching eliminates the need for a contractor's return to a job site to connect the batteries when the building's main power is turned on.

### Solid-State Charger

Supplied with a 120/277 VAC, voltage regulated solid-state charger. Immediately upon restoration of AC current after a power failure, the charger provides a high charge rate. The charge circuit reacts to the condition of the battery and regulates the charging process in order to maintain peak battery capacity and maximize battery life. Solid-state construction recharges the battery following a power failure in accordance with UL 924.

# **Brownout Circuit**

The brownout circuit on All Pro's exits monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

#### **Solid-State Transfer**

The AP Series Exits with Heads incorporates solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

#### Low Voltage Disconnect

When the battery's terminal voltage falls, the low voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

#### Test Switch/Power Indicator Light

A test switch located on the bottom of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

# Overload and Short Circuit Protection

The solid-state overload monitoring device in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short circuit is removed. This overload current protective feature eliminates the need for fuses or circuit breakers for the DC load.

# Sealed Nickel Cadmium Battery

All Pro Emergency sealed nickel cadmium batteries are maintenance-free with a life expectancy of 10 years. The sealed rechargable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

#### Warranty

All-Pro products are backed by a five-year warranty.



**Sure-Lites** 

The APEL is an UL 924 listed emergency light with a minimum of 90 minutes of run time and 17 feet of emergency egress coverage. Key features include LED heads, a no maintenance nickel cadmium battery and a five year fixture warranty. The LED heads are fully adjustable to maximize design flexibility while the compact form factor optimizes aesthetics. The universal j-box mounting pattern and snap fit housing construction significantly reduce installation time. The APELH2 versions have remote capacity capable of powering two additional APWR LED heads.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

#### SPECIFICATION FEATURES

#### **Electrical**

- Dual Voltage Input 120/277VAC, 60Hz
- 240 VAC with 48 hour recharge time
- Line-latching
- Brownout circuit
- Low Voltage Disconnect
- Overload/Short Circuit Protection
- -Test Switch/Power connector facilitates installation
- 3.6V, .78W DC Long Lasting LED Heads
- Remote capacity option (H2) powers two APWR remotes

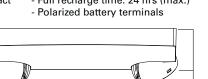
#### **Housing Construction**

- All components are injectionmolded, color stable, high impact thermoplastic material
- Designer textured finish standard

- Components are of snap-fit construction to facilitate under 5-minute installation
- Reinforcing ribs throughout to provide maximum strength
- Suitable for wall or ceiling mount applications
- Universal J-box mounting pattern
- Keyhole mounting slots
- Aesthetically designed with a thin
- Available in white or black color

#### Batterv

- Sealed nickel cadmium
- Maintenance-free, long-life
- Full recharge time: 24 hrs (max.)



# **Code Compliance**

- UL 924 Damp Location Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- Operating temperature range 10 °C to 40 °C
- California Energy Code compliant

#### **Head/Lamp Data**

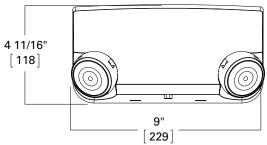
- Long Life LED Emergency Heads
- -Two heads standard
- Fully adjustable
- High impact thermoplastic
- Matches housing finish

#### Warranty

- Five-year warranty
- Seven-year prorated battery warranty



1 15/16" [ 49]

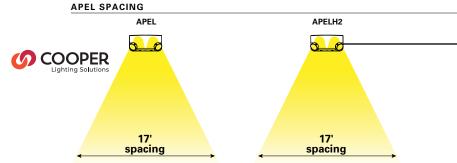


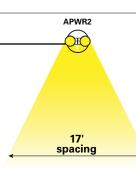


#### ORDERING INFORMATION

#### CAMDIE NI IMPED: ADEI

SAWIFEL NOWDER, AFEL						
Series	Battery	Remote Heads Powered	Housing Color	Catalog numbers		
APEL	_ = Nickel cadmium battery	_ = No 3.6 V LED heads H2 = Two 3.6 V LED heads	_ = White BK = Black	APEL, APELBK APELH2, APELH2BK		









# **APEL** SERIES

SEALED NICKEL CADMIUM BATTERY **EMERGENCY LIGHTING** LED

REMOTE CAPACITY









### ENERGY DATA

Model APEL	Model APELH2
Input Power:	Input Power:
120V = .33W	120V = 0.6W
277V = .47W	277V = 0.8W
Input Current	Input Current
(Max.):	(Max.):
120V = .06A	120V = .07A
277V = .07A	277V = .07A

#### **ELECTRICAL RATINGS**

## Rated Wattage

	-3-	
Model	DC Voltage	1.5 Hours
APEL	3.6 volts	1.5 watts
APELH2	3.6 volts	3.0 watts

Note: Each Long Life LED Emergency Head replaces a 5.4 Watt TD505038EN Incandescent lamp.

#### **TECHNICAL DATA**

#### **LED Heads**

The Long Life LED Emergency Heads are the most economical Emergency Light solution for general purpose applications. Designed specifically for emergency lighting applications with horizontal and vertical adjustment by rotating the LED Emergency Heads to desired direction.

#### **Housing Construction**

Rugged, durable, injection molded thermoplastic materials are used throughout the All Pro Series Emergency Lighting Units. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity. These materials are impact and scratch resistant, and they have been UV stabilized to resist discoloration due to age and ultraviolet radiation. All components are designed to be of snap-fit construction - no mechanical fasteners - to facilitate installation in under 5-minutes. The mounting plate has keyhole mounting slots and a universal mounting pattern for quick, efficient installation. Any components required for installation (wirenuts, wire leads, etc.) are all included with each unit. All APEL Series Units are suitable for wall or ceiling mount applications. Housings are available in white or black finish.

#### **Remote Capacity**

Remote capacity to drive two APWR 3.6 volt heads is available in the APELH2 and APELH2BK models.

#### Line-Latched

All Pro Emergency's line-latched electronic circuitry makes installation easy and economical. A labor efficient AC-activated load switch prevents the lamps from turning on during installation to a non-energized AC circuit. Linelatching eliminates the need for a contractor's return to a job site to connect the batteries when the building's main power is permanently turned on.

#### Solid-State Charger

Supplied with a 120/277 VAC, voltage regulated solid-state charger. Upon restoration of AC current after a power failure, the charger provides a high charge rate. The charge circuit reacts to the condition of the battery and alters the rate of charge in order to maintain peak battery capacity and maximize battery life. Solid-state construction recharges the battery following a power failure in accordance with UL 924.

#### **Brownout Circuit**

The brownout circuit in All Pro Emergency units monitor the flow of AC current to the unit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

#### Low Voltage Disconnect

When the battery's terminal voltage falls below 80% of the rated voltage, the low voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

#### Test Switch/Power Indicator Light

A test switch permits the activation of the emergency circuit for a complete operational system check. The Power Indicator Light provides assurance that the AC power is on.

#### Sealed Nickel Cadmium Battery

All Pro Emergency sealed nickel cadmium batteries are maintenance free with a life expactancy of 10 years. The sealed rechargable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

#### Warranty

All-Pro Emergency products are backed by a five-year warranty.



Project	Catalog #	Туре	
Prepared by	Notes	Date	



# **Sure-Lites**

# **APWR Series**

Remote Heads LED Emergency Heads Wet Location Listed

# **Typical Applications**

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

# Interactive Menu

- Order Information page 2
- Photometric Data page 2
- Control Solutions page 2
- Connected Systems page 2
- Product Warranty

# **Product Certification**



# **Product Features**



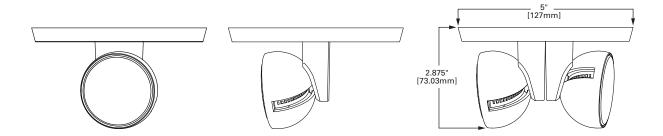




# **Top Product Features**

- 3.6V, .78W DC long lasting LED heads
- Lamp heads adjust 80° from vertical with 358° rotation
- Universal mounting plate
- Flame-resistant and impact-resistant
- Injection-molded thermoplastic material

# **Dimensional Details**





TD505101EN - August 28, 2019 3:10 PM

**Sure-Lites APWR Series** 

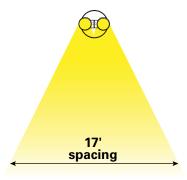
# **APWR2BK**

# SAMPLE ORDER NUMBER: APWR2BK

#### **Order Information**

Series	Remote Heads	<b>Housing Color</b>	Catalog Numbers
Series	Remote Heads	Housing Color	Catalog Numbers
APWR	1=one LED head 2= two LED heads	=White BK=Black	APWR1, APWR2, APWR1BK, APWR2BK

#### **APWR Spacing**



# **Product Specifications**

# **Electrical**

• 3.6V DC Input Voltage

### **Lampholder/Mounting Plate** Construction

- Flame resistant and impact resistant, injection molded thermoplastic
- Lamp heads adjust 80° from vertical with 358° rotation
- Universal mounting plate
- Available in white or black

# **Code Compliance**

- UL 924 Listed
- Wet Location Listed (APWR)
- - (-30 C) to 50 C; (-22 F) to 122 F
- California Energy Code compliant

# **Head/Lamp Data**

- Long Life LED Emergency Heads
- Fully adjustable
- High impact thermoplastic
- Matches housing finish
- 3.6V, .78W DC Long Lasting LED Heads

### Warranty

Five-year warranty

**Sure-Lites** 

The LED APX series is UL924 code compliant solution for indoor exit requirements. It is available as AC only (APX6) or self-powered (APX7) with a maintenance free nickel cadmium battery. The self-powered version will operate for a minimum of 90 minutes during a power outage. All models feature an LED source available in red or green, are field configurable for single or double face and are universal mount (ceiling, wall or end). The polycarbonate housing is available in white or black.

Catalog #	Туре		
Project			
Comments	Date		
Prepared by			

#### **SPECIFICATION FEATURES**

#### **Electrical**

- Dual voltage input 120/277 VAC, 60Hz
- Solid-State voltage limited charger (APX7)
- Brownout circuit (APX7)
- -Test switch / Power indicator light (APX7)

#### **Housing Construction**

- All components are injection molded, color stable, high impact thermoplastic material
- Available in a white or black finish
- Components are of snap-fit construction to facilitate under 5-minute installation
- Reinforcing ribs throughout to provide maximum strength connections
- All components including battery and electronics are located inside the exit housing

- Snap-out or snap-in chevron directional indicators have full 3/4" stroke
- Universal exits can be field configured as single face or double face
- Snap-fit canopy with mounting screws included with all exits
- Exit can be ceiling, wall, or end mounted
- Universal J-box mounting
- Operating temperature range 10 °C to 40 °C

#### **Battery**

- Sealed nickel cadmium
- Maintenance free, long life
- Full recharge time: 24 hrs (max.)

#### **Code Compliance**

- UL 924 Listed
- UL Damp Location Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- operatig temperature range 10 °C to 40 °C
- California Energy Code compliant

# Lamp Data

- AC LED: Long life LED lamps provide uniform diffused illumination
- DC: LED DC lamps (Brighter in emergency mode, APX7)

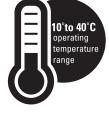
#### Warranty

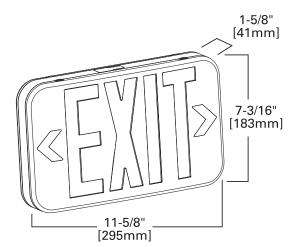
- Five-year warranty
- Seven-year prorated battery warranty













## ORDERING INFORMATION

SAMPLE NUMBER: APX7RBK

	Series	Battery	Face Options	Letter Colors	Housing Color	Remote Heads Powered
COC Lighting	PER Solutions	6 = no battery (AC only) 7 = nickel cadmium battery	_ = Universal	R = Red G = Green	_ = White BK = Black	APX6R,APX6G,APX6RBK,APX6GBK APX7R,APX7G,APX7RBK,APX7GBK





# **APX** SERIES

THERMOPLASTIC EXIT AC ONLY SELF POWERED **EMERGENCY** LED LAMPS EXIT LIGHTING

#### ENERGY DATA

Maximum power consumption under all charge conditions:

Sealed Nickel Cadmium Battery	Energy Data AC Only LED		
LED Exits - Red	Exits - Red		
Input Power:	Input Power:		
120V = .99W	120V = 1.31W		
277V = 1.14W	277V = 1.74W		
Input Current	Input Current		
(Max.):	(Max.):		
120V = .07A	120V = .07A		
277V07A	277V08A		
Power Factor:	Power Factor:		
120V = >.12	120V = >.17		
277V = > 06	277V = > .08		

LED Exits - Green	LED Exits - Gree
Input Power:	Input Power:
120V = .93W	120V = 1.33W
277V = 1.05W	277V = 1.76W
Input Current	Input Current
(Max.):	(Max.):
120V = .07A	120V = .07A
277V = .07A	277V = .07A
Power Factor:	Power Factor:
120V = >.11	120V = >.05
277V = >.05	277V = >.03

#### **TECHNICAL DATA**

#### Lamps

Self-Powered LED versions of the All Pro Emergency Series Exits use energy efficient, long life LEDs to provide uniform diffuse illumination of the exit face. Both the red and green LEDs require no maintenance and consume a total of 2.0 watts. The low operating costs and zero maintenance requirement makes LED lamps the wisest choice for exit signs today. Emergency illumination is provided by LED lamps,

#### **Housing Construction**

Rugged, durable, injection molded thermoplastic materials are used throughout the All Pro Emergency Series Exits. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity. These materials are impact and scratch resistant, and they have been UV stabilized to resist discoloration due to age and ultraviolet radiation. All components are designed to be of snap-fit construction - no mechanical fasteners - to facilitate installation in under 5-minutes. Any components required for installation (wirenuts, wire leads, universal metal J-box bracket, etc.) are all included with each exit. The universal design of the All Pro Series Exits enables universal exits to be configured as single face or double face in the field. All Self-Powered All Pro Series Exits can be wall, ceiling, or end mounted; a rugged, snap-fit, low profile canopy with captive screws is included with every exit for ceiling and end mounting applications. The housings are available with a white or black finish.

#### Lens

Lenses are made from durable impact resistant thermoplastic. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes.

#### Solid-State Charger (APX7)

Supplied with a 120/277 VAC, voltage regulated solid-state charger. Immediately upon restoration of AC current after a power failure, the charger provides a high charge rate. The charge circuit reacts to the condition of the battery and regulates the charging process in order to maintain peak battery capacity and maximize battery life. Solid-state construction recharges the battery following a power failure in accordance with UL 924.

#### **Brownout Circuit (APX7)**

The brownout circuit on AII Pro exits monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

# Test Switch/Power Indicator Light (APX7)

A test switch located on the bottom of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

#### Sealed Nickel Cadmium Battery

All Pro Emergency sealed nickel cadmium batteries are maintenance free with a life expectancy of 10 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

#### Warranty

The All Pro Series exit signs are backed by a five-year warranty.



# **NPDBL Series**

**LED Backlit Panels** Source: 30W to 45W LED

3500lm to 5700lm

Туре		
Project		
Catalog No.		
Notes		

#### PRODUCT DESCRIPTION

LED Backlit can be utilized in offices, conference rooms, libraries and other tasks areas where general illumination is desired. The white diffused lens optimizes output while diffusing LED diode image. LED Backlit Panels are available in field selectable color temperature (3000K, 3500K or 4000K) or a dedicated 5000K.

#### **FEATURES**

- Dedicated 5000K CCT or Field Selectable Color Temperature (3000K, 3500K or 4000K)
- 1' x 4', 2' x 2' or 2' x 4' sizes
- Surface, pendant and hard ceiling recessed kits available
- 0-10V dimming down to 5%
- Universal 120-347V input
- cULus listed for damp location

#### **SPECIFICATION**

Construction: An array of LEDs are mounted on the back of aluminum frame. White opalescent diffused lens optimizes output while reducing LED diode image. The construction seals the conditioned air from the plenum or non-conditioned air, eliminates bugs or dirt getting to top of lens for savings on maintenance cost.

Lens: PMMA (Polymethyl methacrylate) lens is lightweight and shatter resistant. Additional screws are provided to keep luminaire tight and free of bugs and insects.

Clearance: "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray foam insulation.

Installation: Wiring compartment is on the back of panel and includes replaceable driver, which is accessible via a service door secured with two screws. Wiring compartment consists of three 1/2" knockouts for romex or flex wiring.

#### **ELECTRICAL**

Input: 120-347V (120-277V with emergency battery)

#### Lumens / Wattage:

2' x 2': Average of 3500lm / 30W (Tunable White) or 3500lm / 30W (5000K)

1' x 4': Average of 3500lm / 30W (Tunable White)

2' x 4': Average of 5600lm / 45W (Tunable White) or 5700lm / 45W (5000K)

#### **Color Temperature:**

Tunable White: Field Selectable - 3000K / 3500K / 4000K (Preset at 3000K)

Dedicated: 5000K

Color Rendering Index: 80+CRI Operating Temperature: 0°C to 45°C **Lifetime:** 60,000 hours @ L70 **Dimming:** 0-10V dimming down to 5%

Click Here or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

## **ACCESSORIES**

NPDBL-JB4X4: 4" Junction Box to allow panels to be daisy chained (4-in / 4-out)

NPDBL-xxDFK/W: Surface Mount Frame to allow panels to be mounted over junction box

NPDBL-xxDDFK/W: Surface Mount Frame for panels with emergency battery

NPDBL-xxRFK/W: Recessed Mounting Kit to allow panels to be recessed into hard ceiling

**NPDBL-PKW:** Pendant Mounting Kit to suspend panels from monopoint canopy

Emergency: Luminaire can be specified with 120-277V emergency battery with remote test switch. Battery operates luminaire at 7W for 90 minute emergency operation on fully charged battery. Note: EM option not available for surface and pendant kit

## LABELS AND LISTINGS

- cULus Listed for Damp Locations
- DLC Listed
- FCC certified









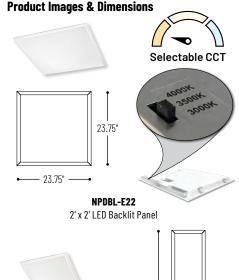




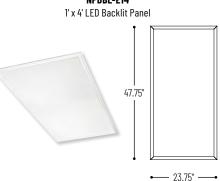


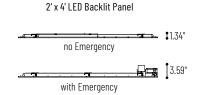
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TEL 323.767.2600 | www.noralighting.com | e-mail: nora@noral ghting.com @ 2021 Nora Lighting, Inc. All rights reserved. Specifications subject to change without notice.









NPDBL-E24

LED Backlit Panels*				Optional Access	sories
Size / Lumens / Wattage	Color Temperature	Finish	Optional Emergency	Accessories for all siz	res
NPDBL-E22 = 2' x 2' / 3500lm / 30W NPDBL-E14 = 1' x 4' / 3500lm / 30W	<b>/334</b> = Tunable White 3000K / 3500K / 4000K	<b>W</b> = White	EM = Emergency with Remote Test Switch	NPDBL-JB4X4 = 4" Junction Box for Daisy Chaining NPDBL-PKW = Pendant Mounting Kit	
<b>NPDBL-E24</b> = 2' x 4' / 5600lm / 45W	_			Panel Size	Accessory Type
NPDBL-E22 = 2' x 2' / 3500lm / 30W NPDBL-E24 = 2' x 4' / 5700lm / 45W * Packaged and sold in multiples of tw	/50 = Dedicated 5000K	<b>W</b> = White	EM = Emergency with Remote Test Switch	NPDBL-14 = 1' x 4' NPDBL-22 = 2' x 2' NPDBL-24 = 2' x 4'	DFK/W = Surface Mount Frame DDFK/W = Surface Mount for Emergency RFK/W = Recessed Mounting Kit

Example: NPDBL-E24/50W = 2' x 4' LED Backlit Panel, 5700lm / 45W, 5000K, White finish

# **NPDBL Series**

# **LED Backlit Panel Accessories**

Type
Project
Catalog No.
Notes



Surface Mounting Frame

NPDBL-14DFK/W	1' x 4' / White Finish
NPDBL-22DFK/W	2' x 2' / White Finish
NPDBL-24DFK/W	2' x 4' / White Finish

The frame mounts over an existing junction box and the panel slides into place. Surface mounting frame only extends 2.5" from the ceiling. Can be used with NPDBL-PKW pendant kit.

Note: Junction box must be off center frame.



Pendant Mounting Kit

NPD-PK	Aluminum Finish
NPDBL-PKW	White Finish

Allows LED panels to be suspended as a pendant. Grip lock fasteners allow for easy field adjustment of cables from 12" to 96". Canopy includes an 8" power card that can be shortened in the field. Pendant kit may be used with surface mount frames for an alternative appearance.

Canopy Dimension: 6" width / 0.75" height / 8'-6" cord & cable



Surface Mounting Frame for Emergency

NPDBL-14DDFK/W	1' x 4' / White Finish
NPDBL-22DDFK/W	2' x 2' / White Finish
NPDBL-24DDFK/W	2' x 4' / White Finish

The frame mounts over an existing junction box and the panel slides into place. Surface mounting frame extends 4.33° from the ceiling. Can be used with NPDBL-PKW pendant kit.

Note: Junction box must be off center frame.



Recessed Mounting Kit

NPDBL-14RFK/W	1' x 4' / White Finish
NPDBL-22RFK/W	2' x 2' / White Finish
NPDBL-24RFK/W	2' x 4' / White Finish

The white finished flange kit consist of four pieces. The assembled frame installs into a hard ceiling. The panel lifts and shifts in the frame ending in a finished flush appearance.



4" Junction Box for Daisy Chaining

# NPDBL-JB4X4

Junction box mounts on panel to allow them be daisy chained together on the same switch (4-in / 4-out)



# **NPDBL Series**

**LED Backlit Panels** Source: 30W to 45W LED 3500lm to 5700lm Type **Project** Catalog No. **Notes** 

#### PRODUCT DESCRIPTION

LED Backlit can be utilized in offices, conference rooms, libraries and other tasks areas where general illumination is desired. The white diffused lens optimizes output while diffusing LED diode image. LED Backlit Panels are available in field selectable color temperature (3000K, 3500K or 4000K) or a dedicated 5000K.

#### **FEATURES**

- Dedicated 5000K CCT or Field Selectable Color Temperature (3000K, 3500K or 4000K)
- 1' x 4', 2' x 2' or 2' x 4' sizes
- Surface, pendant and hard ceiling recessed kits available
- 0-10V dimming down to 5%
- Universal 120-347V input
- cULus listed for damp location

#### **SPECIFICATION**

Construction: An array of LEDs are mounted on the back of aluminum frame. White opalescent diffused lens optimizes output while reducing LED diode image. The construction seals the conditioned air from the plenum or non-conditioned air, eliminates bugs or dirt getting to top of lens for savings on maintenance cost.

Lens: PMMA (Polymethyl methacrylate) lens is lightweight and shatter resistant. Additional screws are provided to keep luminaire tight and free of bugs and insects.

Clearance: "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray foam insulation.

Installation: Wiring compartment is on the back of panel and includes replaceable driver, which is accessible via a service door secured with two screws. Wiring compartment consists of three 1/2" knockouts for romex or flex wiring.

#### **ELECTRICAL**

Input: 120-347V (120-277V with emergency battery)

#### Lumens / Wattage:

2' x 2': Average of 3500lm / 30W (Tunable White) or 3500lm / 30W (5000K)

1' x 4': Average of 3500lm / 30W (Tunable White)

2' x 4': Average of 5600lm / 45W (Tunable White) or 5700lm / 45W (5000K)

#### **Color Temperature:**

Tunable White: Field Selectable - 3000K / 3500K / 4000K (Preset at 3000K)

Dedicated: 5000K

Color Rendering Index: 80+CRI Operating Temperature: 0°C to 45°C **Lifetime:** 60,000 hours @ L70 **Dimming:** 0-10V dimming down to 5%

Click Here or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

## **ACCESSORIES**

NPDBL-JB4X4: 4" Junction Box to allow panels to be daisy chained (4-in / 4-out) NPDBL-xxDFK/W: Surface Mount Frame to allow panels to be mounted over junction box

NPDBL-xxDDFK/W: Surface Mount Frame for panels with emergency battery

NPDBL-xxRFK/W: Recessed Mounting Kit to allow panels to be recessed into hard ceiling

**NPDBL-PKW:** Pendant Mounting Kit to suspend panels from monopoint canopy

Emergency: Luminaire can be specified with 120-277V emergency battery with remote test switch. Battery operates luminaire at 7W for 90 minute emergency operation on fully charged battery. Note: EM option not available for surface and pendant kit

## LABELS AND LISTINGS

- cULus Listed for Damp Locations
- DLC Listed
- FCC certified













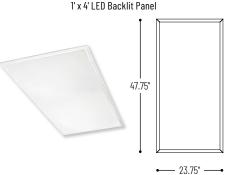


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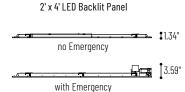
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NPDBL-E24



LED Backlit Panels*			Optional Access	sories	
Size / Lumens / Wattage	Color Temperature	Finish	Optional Emergency	Accessories for all si	zes
NPDBL-E22 = 2' x 2' / 3500lm / 30W NPDBL-E14 = 1' x 4' / 3500lm / 30W	/334 = Tunable White 3000K / 3500K / 4000K	<b>W</b> = White	EM = Emergency with Remote Test Switch	NPDBL-JB4X4 = 4" NPDBL-PKW = Pend	Junction Box for Daisy Chaining dant Mounting Kit
<b>NPDBL-E24</b> = 2' x 4' / 5600lm / 45W				Panel Size	Accessory Type
NPDBL-E22 = 2' x 2' / 3500lm / 30W NPDBL-E24 = 2' x 4' / 5700lm / 45W * Packaged and sold in multiples of tw	/50 = Dedicated 5000K	<b>W</b> = White	EM = Emergency with Remote Test Switch	NPDBL-14 = 1' x 4' NPDBL-22 = 2' x 2' NPDBL-24 = 2' x 4'	DFK/W = Surface Mount Frame DDFK/W = Surface Mount for Emergency RFK/W = Recessed Mounting Kit

Example: NPDBL-E24/50W = 2' x 4' LED Backlit Panel, 5700lm / 45W, 5000K, White finish

# **NPDBL Series**

# **LED Backlit Panel Accessories**

Type
Project
Catalog No.
Notes



Surface Mounting Frame

 NPDBL-14DFK/W
 1' x 4' / White Finish

 NPDBL-22DFK/W
 2' x 2' / White Finish

 NPDBL-24DFK/W
 2' x 4' / White Finish

The frame mounts over an existing junction box and the panel slides into place. Surface mounting frame only extends 2.5" from the ceiling. Can be used with NPDBL-PKW pendant kit.

Note: Junction box must be off center frame.



Pendant Mounting Kit

NPD-PK Aluminum Finish
NPDBL-PKW White Finish

Allows LED panels to be suspended as a pendant. Grip lock fasteners allow for easy field adjustment of cables from 12" to 96". Canopy includes an 8" power card that can be shortened in the field. Pendant kit may be used with surface mount frames for an alternative appearance.

 $\underline{\text{Canopy Dimension:}} \text{ 6" width } \text{ / } \text{ 0.75" height } \text{ / } \text{ 8'-6" cord \& cable}$ 



Surface Mounting Frame for Emergency

The frame mounts over an existing junction box and the panel slides into place. Surface mounting frame extends 4.33" from the ceiling. Can be used with NPDBL-PKW pendant kit.

Note: Junction box must be off center frame.



Recessed Mounting Kit

 NPDBL-14RFK/W
 1 x 4 / White Finish

 NPDBL-22RFK/W
 2 x 2 / White Finish

 NPDBL-24RFK/W
 2 x 4 / White Finish

The white finished flange kit consist of four pieces. The assembled frame installs into a hard ceiling. The panel lifts and shifts in the frame ending in a finished flush appearance.

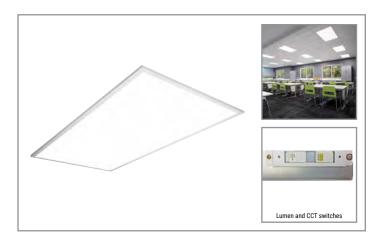


4" Junction Box for Daisy Chaining

# NPDBL-JB4X4

Junction box mounts on panel to allow them be daisy chained together on the same switch (4-in / 4-out)

Project	Catalog #	Туре	
Prepared by	Notes	Date	



# Metalux

# **FPS LED**

LED Flat Panel with Selectable Lumens and CCT

#### **Typical Applications**

• Offices • Education • Healthcare • Retai

# Interactive Menu

- Order Information page 2
- Photometric Data page 3
- · Product Warranty

# **Product Certificatio**















### **Product Features**



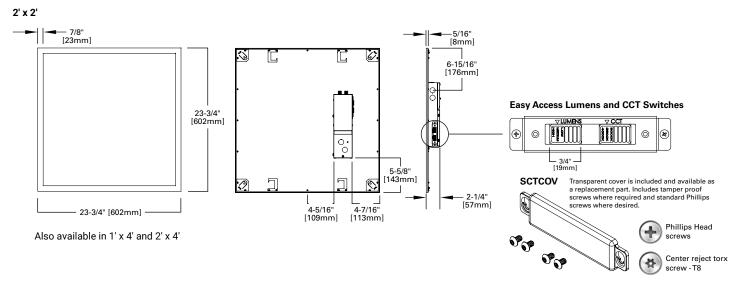






# **Top Product Features**

- · Ultra-thin approx. 2 inch height fits in shallow plenums with oom to spare
- · Simple switch to adjust lumens, watts and CCT on site as desired
- · Switch tamper cover included
- Projected lumen maintenance based on TM21 testing standards is L87 > 60,000 hours
- 1x4, 2x2, and 2x4 sizes available, all rated for direct insulation contact (IC rated)







# **Ordering Information/Performance**

		Low	LED	High
	4000K	27.2W 3180lm 117LPW	40.2W 4620lm 115LPW	56.3W 6300lm 112LPW
24FPSL2SCT3	3500K	27.2W 3150lm 116LPW	40.2W 4550lm 113LPW	56.3W 6250lm 111LPW
	3000K	27.2W 3100lm 114LPW	40.2W 4500lm 112LPW	56.3W 6200lm 110LPW
14FPSL1SCT3	4000K	18W 2070lm 115LPW	27W 3100lm 115LPW	36.3W 4100lm 113LPW
	3500K	18W 2040lm 113LPW	27W 3050lm 113LPW	36.3W 4050lm 111LPW
	3000K	18W 2000lm 112LPW	27W 3000lm 111LPW	36.3W 4000lm 110LPW
22FPSL2SCT3	4000K	15.2W 1750lm 115LPW	21.6W 2460lm 114LPW	31W 3500lm 113LPW
	3500K	15.2W 1720lm 113LPW	21.6W 2420lm 112LPW	31W 3440lm 111LPW
	3000K	15.2W 1700lm 112LPW	21.6W 2400lm 111LPW	31W 3400lm 110LPW

# **Options/Ordering Information**

EL14W=EBPLED14W battery installed (2) EL7W=EBPLED7W battery installed (2) Example catalog number=24FPSL2SCT3-EL14W

A3/8-4/18GDIM=6' 3/8" flex with dimming leads installe

Example catalog number=24FPSL2SCT3-A3/8-4/18GDIM

**Notes**: (2) Indicator/test switch to be installed separately. For approximate delivered lumens multiply the lumens per watt of the desired fixtu e by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). In Emergency mode the fixtu e will default to 4000K regardless of the CCT setting.

# **Shipping Data**

Fixture Size	Pallet Size	Units per Pallet
1' x 4'	52" x 49"	48
2' x 2'	53" x 30"	44
2' x 4'	53" x 30"	22

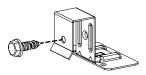


# Accessories/Ordering Information Drywall Frame Kit

Catalog	UPC	Size
DF-24W-U	662401232970	2x4
DF-22W-U	662401232963	2x2
DF-14W-U	662401232949	1x4

# **Ceiling Retention**

Catalog	UPC	
FPEQ	080083802685	
Required by some local codes. Order one set for each fixtu e (Four clips per kit)		



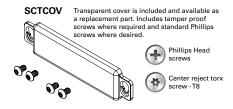
# Suspension Kit

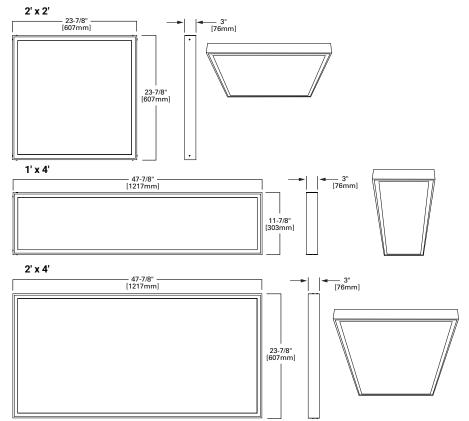
Catalog	UPC	
FPSUS2	080083802784	
Mounting height from ceiling Min.=7-1/4" [184mm] Max.=27" [286mm]		



# **Surface Mount Kit**

Catalog	UPC	Size
FPXSURF24	080083867400	2x4
FPXSURF22	080083867387	2x2
FPXSURF14 080083867424 1x4		
Note: Use surface kit to suspend 2x4 and 1x4.		





**Metalux** FPS LED

# **Product Specification**

#### Construction

- Narrow aluminum bezel is tightly held to code gauge steel back plate
- Seamless corners to maximize the light emitting surface with a refined fini

#### Mounting

- Integral grid clips and separate suspension clips provided for installation flexibilit
- Junction box constructed of code gauge galvanized steel with an easy access hinged door
- Multiple Trade size KO provided and JBox is suitable for up to 12AWG wiring
- · Topside KO for use with MWS
- Stock luminaire is less than 2 inches for use in shallow plenum or low ceiling spaces
- Surface or suspension mounting kits available.
   Direct suspension of 2x2 only. 2x4 and 1x4 suspend with the surface mount kit.
- Factory installed flexible cable with dimming leads options available

#### Controls

- Standard UNV 120-277V driver with 0-10V dimming to 10% standard
- Compatible with field installed wi eless controls available for either Wavelinx or LumaWatt Pro

#### Electrical

- 3000K/3500K/4000K at minimum 80 CRI and three lumen options
- Projected lumen maintenance based on TM21 testing standards is L87 > 60,000 hours
- Complies with FCC Class B rating for use in residential spaces
- Emergency battery pack options available in 7W and 14W options
- · Installed Flex options available

#### **Optical Shielding**

- Light guide with specialized features to optimize light extraction
- White frost lens with smooth pattern for uniform illumination
- · Scratch and impact resistant lens

#### Compliance

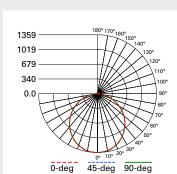
- Indoor luminaires are cULus listed for 25C ambient environments.
- · IC rated for direct insulation contact
- · RoHS compliant
- · Damp location listed
- · IESNA LM-79 and LM-80 standards compliant
- DesignLights Consortium qualified and classified fo DLC Standard
- Meets IP5X rating from the room side with no modification needed

#### Warranty

· Five-year warranty.

# **Photometric Data**





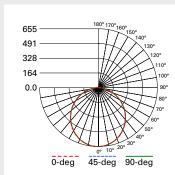
#### 14FPSL2SCT3-3500K-HI

Electronic Driver Linear LED 3500K

Spacing criterion: (II) 1.25 x mounting height,  $(\perp)$  1.25 x mounting height

Lumens: 3883 Input Watts: 36.3W Efficacy: 107.0 L

Test Report: 14FPSL2SCT3-3500K-HI.IES



### 22FPSL2SCT3-3500K-LOW

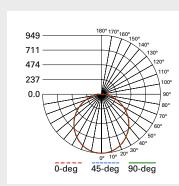
Electronic Driver Linear LED 3500K

Spacing criterion: (II) 1.25 x mounting height,  $(\perp)$  1.24 x mounting height

Lumens: 1864 Input Watts: 16W Efficacy: 116.5L

Test Report: 22FPSL2SCT3-3500K-

LOW.IES



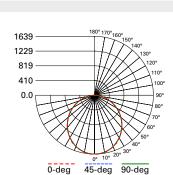
#### 22FPSL2SCT3-3500K-MID

Electronic Driver Linear LED 3500K

Spacing criterion: (II) 1.25 x mounting height, ( $\perp$ ) 1.24 x mounting height

Lumens: 2694 Input Watts: 24.1W Efficacy: 111.8 L

Test Report: 22FPSL2SCT3-3500K-MID IFS



#### 24FPSL2SCT3-3500K-MID

Electronic Driver Linear LED 3500K

Spacing criterion: (II) 1.24 x mounting height,  $(\perp)$  1.24 x mounting height

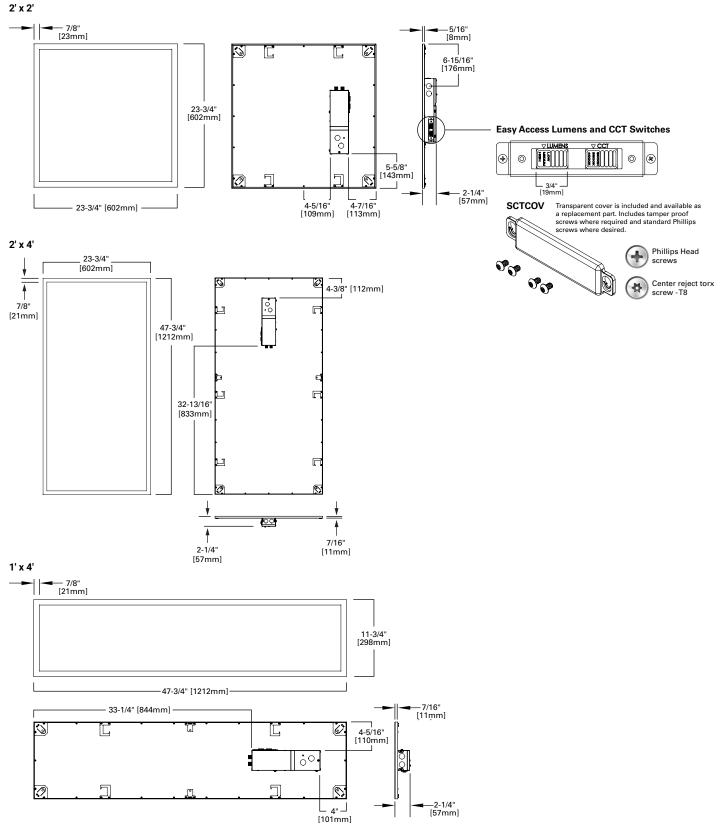
Lumens: 4642 Input Watts: 41.5W Efficacy: 111.9 L

Test Report: 24FPSL2SCT3-3500K-

MID.IES

Metalux **FPS LED** 

# **Dimensional and Mounting Details**





# SYLVANIA Luminaire

# ValueLED™ Wide Selectable Wrap

## **Application**

The SYLVANIA ValueLED Wide Selectable Wrap maximizes the energy savings of LED technology by also adding an integrated motion sensor. The wide body wrap provides an ample light distribution, and offers 3 color temperatures in one. With a five-year warranty, the ValueLED Wrap Luminaire is ideal in many retail, office, education, and low-bay applications.

## **Benefits and Features**

- Modern, low profile form provides updates from traditional
- 3 Color Selectable: 3000K, 4000K & 5000K color temperature in one product
- Linkable: up to 8 units
- PIR motion sensor integrated
- Wide Body
- Universal Voltage
- Up to 115 LPW
- CRI >80
- Offered in 48 watts
- Uniform, glare free illumination distribution
- Energy savings up to 14%
- Dimmable

#### **Electrical**

- 120-277V
- Power Factor 90%
- THD 25%

#### **Rated Life**

- 50,000 hours (L<sub>70</sub>)

# Warranty

- 5-year

#### **Ambient Operating Range**

-4°F to +176°F (-20°C to +80°C)

# **Certifications and Listings**

- cETLus
- RoHS
- FCC
- DLC

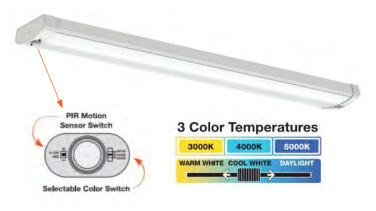
#### **Specifications and Certifications**











#### **Wattage Comparison**

Traditional	Traditional System	LED System	Energy	
Source	Wattage	Wattage	Savings	
Fluorescent	56W	48W	14%	

#### Installation

- Direct wire
- Linking cord included



# **Specification Data**

Catalog #	Туре
Project	
Comments	
Prepared by	

# **Ordering Guide**

LEDWIDEWRAP	1	48	UNV	1	D	1	8	1	SC2	1	WH	1	М
Product Name		Power	Voltage		Dimmable		CRI		Selectable Color		Finish		M = Motion
LED Wide Wrap		48 = 48 Watts	UNV = Universal				8 = 80		Temperature		WH = White		Sensor
			(120-277V)						3000K/4000K/5000K				

# **Ordering Information**

					Input	Average			Typical						
Item	Ordering	Power	Base		Voltage	Life		Case	Lumens		Power	Bulb			
Number	Abbreviation	(W)	Type	Replaces	(V)	(hrs)	CCT	Qty	(lm)	CRI	Factor	Finish	DLC	T20	T24
61793	LEDWIDEWRAP/48UNV/D/8/SC2/WH/M	48W	Hardwire	56W	120-277V	50,000	3000K 4000K 5000K	8	5500	>80	>90%	Frosted	Yes	No	No

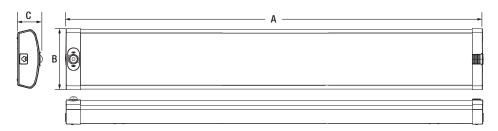
# **Energy Savings**

Basic Product			Similar	Incandescent			LED Life vs
Description	LED Life (hrs)	LED Lumens	Incandescent (hrs)	Lumens	Watts Saved	Energy Savings*	Incandescent
LEDWIDEWRAP/48UNV/D/8/SC2/WH/M	50,000	5500	2000	5600	8	\$44	25x

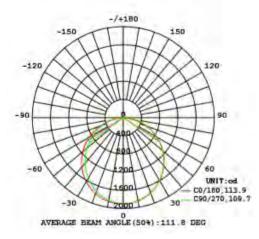
<sup>\*</sup>Energy savings over life of lamp calculated at \$0.11/kWh

# **Physical Information**

Lamp	Length	Width	Height	
Description	(in)	(in)	(in)	
LEDWIDEWRAP/48UNV/D/8/SC2/WH/M	47.75	7	3.13	



# **Photometric Data**



LEDVANCE LLC 200 Ballardvale Street Wilmington, MA 01887 USA Phone 1-800-LIGHTBULB (1-800-544-4828) www.sylvania.com

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All other trademarks are those of their respective owners.

Licensee of product trademark SYLVANIA in general lighting.

Specifications subject to change without notice.







Project	Catalog #	Туре	
Prepared by	Notes	Date	



# **Metalux**

# **WP**

2' and 4' LED Utility Wrap Light

#### **Typical Applications**

- Commercial Educational Residential Corridor Stairway
   Multi-Use or Utility Application

# Interactive Menu

- Order Information page 2
- Photometric Data page 3
- · Product Warranty

# **Product Certification**









# **Product Features**



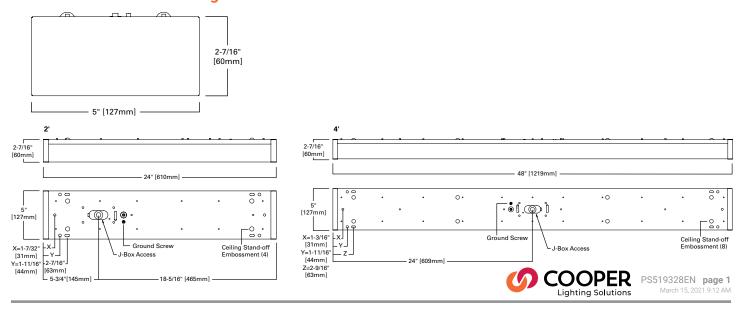




# **Top Product Features**

- · Ideal for replacing single or two lamp fluorescent wraparounds
- · Prismatic LED blend acrylic lens for general light coverage
- Efficacy up to 115 lm/W saves up to 40% over fluorescent wraps
- Low-profile, post-painted die formed channel (48" L x 5" W x 2.5" H)
- · DLC Standard classified

# **Dimensional and Mounting Details**



# **Order Information**

								Input cu	rrent (A)
Catalog Number	UPC	CCT (K)	CRI (Min)	Delivered Lumens	Watts	Efficacy (Im/W)	Controls	120V	277V
2WP1540C	080083858385	4000	80	1788	15.8	113	Non-Dimming	0.13	0.06
4WP3040C	080083858361	4000	80	3588	31.4	114	Non-Dimming	0.26	0.126

#### Accessories

Accessories (Order Separately)
HBAYC-CHAIN/SET/U=(2) V-Hook Hangers, 36" Chain Sets w/S-Hooks (1) BKYT18-063-120K=Y Toggle No. 2 at 10 ft. long (1) SCF-12-B=12" Fixed Stem Set (specify if another length needed) (1) 2WPLENPK=2 ft. Replacement Lens 4WPLENPK=4 ft. Replacement Lens EBPLEDTW-User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack EBPLEDT4W=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack
Notes
(1) Separate junction box (by others) required for power on all suspended options.

# **Energy and Performance Data**

#### Load Data

	2'	4'
PF	0.91	0.91
THD%	13.4	12.7
Weight	1.0	4.0
Low Temp Start	-20C	-20C

<sup>\*277</sup>V data

#### **Shipping Data**

Catalog Base	Wt.	Units per Pallet
2WP	1.1 lbs.	96
4WP	4.5 lbs.	72

# **Product Specifications**

#### Construction

- Die formed post painted white steel housing and end plates
- · Available sizes: 2ft and 4ft
- Impact resistant, UV-stabilized acrylic prismatic lens
- Tool-less lens retention design for easy maintenance

#### **Electrica**

- Universal voltage (120-277V) non-dimming driver
- L70 at 50,000 rated life-hours (TM-21), or greater than 24 years at 6 hrs/day
- LEDs are 4000K CCT and 80 CRI minimum

# **Emergency Battery Pack Option**

- Field installed remote mount UNV battery pack available, 7 and 14 watts, ships separately
- · Batteries provide 90 minutes of backup power
- · Factory installed battery pack not available

#### **Shielding**

- · Classic wrap-around rectangular lens profile
- Standard LED blended prismatic for wide area coverage and even illumination
- · See acrylic cleaning and limitations on use

#### Installation

- Surface (wall or ceiling) mount capable via junction box
- Suspension mount capable using standard V-hook or Y-toggle mounting kits
- Quick-access J-box plate allows for fast install and inspection
- Rated for installs in closet storage areas, as defined in NEC section 410.16

#### Compliance

- UL/cUL listed for damp location
- Rated for 0F (-20C) to 104F (40C) ambient operating temperatures
- · RoHS compliant
- Suitable for use in closet storage spaces when installed in accordance with NFPA-70 and NEC 410.16 spacing requirements
- · LED complies with IESNA LM-79 and LM-80
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to www. designlights.org for details

# Warranty

Five year warranty

# **Features and Benefits**

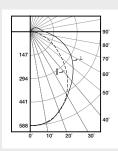
	Feature	Benefit
a	Up to 115 lm/W, 50K life hours at L70	Save over 40% energy over existing LFL strips
rmance	DLC® Compliant	Eligible for energy rebate
Perfor	5-Year Warranty	Certified and guaranteed performance
_	Meets NEC Section 410.16 code	Permitted for use in closet or small storage spaces
tion	Full length, standard width post painted steel channel	No painting required. Ideal for LFL retrofit
Construction	Prismatic Acyrlic Lens Optic	One for one replacement of 2-lamp LFL wraparounds
Con	Surface or chain mount capability	Design flexibility / simplified installation



Metalux **WP LED** 

# **Photometric Data**



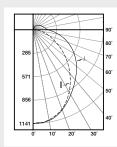


# 2WP1540C

Electronic Driver Linear LED 4000K

Spacing criterion: (II) 1.14 x mounting height,  $(\perp)$  1.17 x mounting height

Lumens: 1789 Input Watts: 15.8W Efficacy: 113.2 lm/W Test Report: 2WP1540C.IES



# 4WP3040C

**Electronic Driver** 

Linear LED 4000K

Spacing criterion: (II) 1.15 x mounting height,  $(\perp)$  1.19 x mounting height

Lumens: 3588

Input Watts: 31.4W

Efficacy: 114.3 lm/W Test Report: 4WP3040C.IES



# KT-WLED33-4-8XX-VDIM-P LED WRAP FIXTURE

# **DESCRIPTION**

LED wrap fixture

#### **APPLICATION**

Used for commercial, retail, and residential wrap applications









- Powered by Keystone 0-10V dimming LED drivers
- Standard prismatic style lens
- 0-10V dimming, 10% minimum
- Compatible with Keystone SmartSafe emergency LED drivers; KT-EMRG-LED-5-500 /A, KT-EMRG-LED-5-500 /NB, KT-EMRG-LED-12-1200 /A, or KT-EMRG-LED-12-1200 /NB are optimal for fixture level installation
- Compatible with Keystone 480-277V step down transformers
- Compatible with Keystone occupancy sensors
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- THD: <20%
- Power factor > 0.95
- L70 >50,000 hours

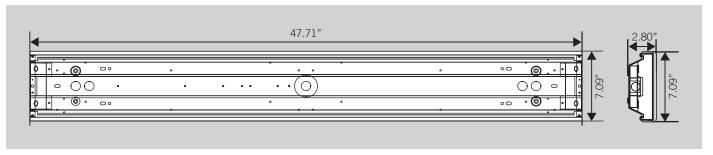
# PERFORMANCE SPECIFICATIONS

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-WLED33-4-835-VDIM-P	3500K	4'	120-277V	33W	80	4,220	128 lm/W
KT-WLED33-4-840-VDIM-P	4000K	4'	120-277V	33W	80	4,257	129 lm/W
KT-WLED33-4-850-VDIM-P	5000K	4'	120-277V	33W	80	4,290	130 lm/W



# KT-WLED33-4-8XX-VDIM-P

# PHYSICAL SPECIFICATIONS



# **ORDERING INFORMATION**

Order Code	Packaging Style	Pack Quantity	Item Status
KT-WLED33-4-835-VDIM-P	Carton Pack	1	Active
KT-WLED33-4-840-VDIM-P	Carton Pack	1	Active
KT-WLED33-4-850-VDIM-P	Carton Pack	1	Active

# **ACCESSORIES** (SOLD SEPARATELY)

Accessory	Catalog Number	Description
SmartSafe Emergency Battery Backup	KT-EMRG-LED-5-500 /A	5W, 500 lumen SmartSafe emergency battery backup
	KT-EMRG-LED-5-500 /NB	5W, 500 lumen SmartSafe emergency battery backup with narrow battery
	KT-EMRG-LED-12-1200 /A	12W, 1200 lumen SmartSafe emergency battery backup
	KT-EMRG-LED-12-1200 /NB	12W, 1200 lumen SmartSafe emergency battery backup with narrow battery

# **CATALOG NUMBER BREAKDOWN**



- 1 Keystone Technologies
- 2 LED Wrap Fixture
- 3 Wattage
- 4 4' Nominal Length
- 5 800 Series
- **6** Color Temperature
- 7 0-10V Dimming
- **8** Premium Series

#### DESCRIPTION

The Caretaker™ LED area luminaire incorporates durability, long life, and unmatched performance in a package that is ideal for a wide variety of applications. The unique universal mounting bracket allows quick and easy installation whether it is wall mounted security lighting, residential street lighting, perimeter area lighting, parking areas, loading platforms, boat docks, access drives or pathways. Designed for years of worry-free illumination, the Caretaker luminaire is UL/cUL listed for wet locations, has a heavy-duty die-cast aluminum housing and includes an integrated 6kV surge protection device.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

#### **SPECIFICATION FEATURES**

#### Construction

Single heavy-duty die-cast aluminum housing. Access via stamped aluminum door for ease of installation and maintenance. Corrosion resistant hardware. Spun aluminum shield for full cutoff.

## Optics

Precision molded optics are designed to shape the distribution, maximize efficiency, and application coverage. Available in three lumen packages with standard 4000K CCT with a minimum 70 CRI. The Type V round symmetric distribution creates a consistent, even distribution replacing up to 250W metal halide. Optic is IP66 rated.

#### Electrical

LED driver is standard universal voltage and 0-10V dimming with integrated 6kV surge protection. A NEMA 3-PIN photocontrol receptacle and twist-lock photocontrol for dusk-to-dawn operation are provided standard. The Caretaker is designed for efficient thermal management; heat is transferred away from the LEDs for optimal efficiency, light output, and life. Lumen maintenance of 90% at 60,000 hours.

## Mounting

The Caretaker luminaire is supplied with a universal mounting bracket for either wall or wood pole mounting and an integral two-bolt slipfitter for mounting on 1-1/4" to 2" standard pipe (1-5/8" to 2-3/8" O.D.).

#### Finish

Standard natural aluminum finish.

#### Warranty

Five-year warranty.



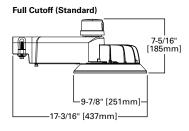
Lumark

# CTKR CARETAKER LED

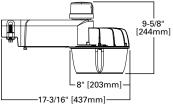
Solid State LED

AREA LUMINAIRE DUSK-TO-DAWN

#### **DIMENSIONS**

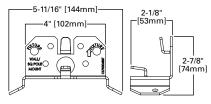


# Small Acrylic Refractor

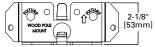


# WALL / POLE MOUNTING BRACKET (INCLUDED)

#### Wall Mount / Square Pole Mount



# Pole Mount





\*www.designlights.org







# CERTIFICATION DATA UL/cUL Wet Location Listed

IP66 Rated (Optic)
LM79/LM80 Compliant
3G Vibration Rated
RoHS Compliant
ISO 9001

DesignLights Consortium® Qualified\*

# ENERGY DATA

Electronic LED Driver

> 0.9 Power Factor < 20% Total Harmonic Distortion 120-277V, 50/60Hz

-40°C Minimum Ambient Temperature Rating

+40°C Maximum Ambient Temperature Rating

#### EPA

Effective Projected Area: (Sq. Ft.) Full Cutoff: 0.52 Small Acrylic Refractor: 0.58

#### SHIPPING DATA

Approximate Net Weight: 7 lbs. (3.2 kgs.)

page 2 CTKR CARETAKER LED

# **POWER AND LUMENS**

Light Engine		1B	2B	3B
Power (Watts)		29W	50W	71W
Input Current @ 120V (A)		0.25	0.42	0.60
Input Current @ 277V (A)		0.11	0.17	0.26
Standard	Lumens	4,515	7,110	9,741
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2
Small Acrylic Refractor	Lumens	4,435	6,983	9,567
	BUG Rating	B3-U3-G2	B3-U3-G2	B4-U3-G3

# LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

#### **LUMEN MAINTENANCE**

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)		
CTKRV1B, CTKRV2B				
25°C	90.72%	>220,000		
40°C	90.72%	>220,000		
CTKRV3B				
25°C	90.72%	>220,000		
40°C	87.70%	>162,000		

# ORDERING INFORMATION

Stock Number	Accessories (Order Separately)
CTKRV1B=Caretaker 29W, 4500lm, UNV, Dimming, Photocontrol CTKRV2B=Caretaker 50W, 7100lm, UNV, Dimming, Photocontrol CTKRV3B=Caretaker 71W, 9700lm, UNV, Dimming, Photocontrol	SR-CARETAKER=Small Acrylic Refractor RMARROA5=ANSI/NEMA Acrylic Refractor Assembly DS-HSS-CRTK2=Drop Shield House Side Shield OA/RA1013=Shorting Cap

Project	Catalog #	Туре	
Prepared by	Notes	Date	



## Metalux

#### **SLSTP Lensed LED**

Lensed LED Striplight

**Typical Applications** 

Commercial • Industrial • Retail • Residential



#### Interactive Menu

- Order Information page 2
- Photometric Data page 3
- · Control Solutions page 4
- Product Warranty

#### **Product Certification**











#### **Product Features**

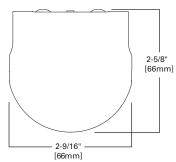




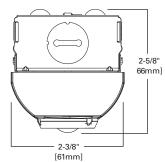
#### **Top Product Features**

- From 2400 lumens to 5800 lumens for a 4 foot strip
- · 8ft. 4ft. and 2ft. Lengths with single lens (no tandem) to address any application
- Up to 125 LPW and DLC compliant to enable rebates and energy savings
- Frost white polycarbonate lens, linear prisms for even illumination
- Typical 80 CRI; 3500K, 4000K & 5000K CCT options; Emergency and dimming options

#### **Dimensional and Mounting Details**



WITH ENDCAP INSTALLED



WITH SENSOR - NO ENDCAP INSTALLED





Order Information								Input Cu	rrent (A)
Catalog #	UPC	Length	CCT (K)	Delivered Lumens	Watts	Efficacy (lm/W)	Controls	120V	277V
2SLSTP1040DD-120V	080083705771	2	4000	1250	11	113	Phase Cut Dim to 10%	0.09	-
2SLSTP2040DD-120V	080083705788	2	4000	2510	23	111	Phase Cut Dim to 10%	0.19	-
4SLSTP2040DD-120V	080083705795	4	4000	2579	23	114	Phase Cut Dim to 10%	0.19	-
4SLSTP4040DD-120V	080083705801	4	4000	4474	40	112	Phase Cut Dim to 10%	0.33	-
2SLSTP2035DD-UNV	080083814763	2	3500	2498	23	110	0-10V Dim to 10%	0.19	0.08
2SLSTP2040DD-UNV	080083807826	2	4000	2510	23	111	0-10V Dim to 10%	0.19	0.08
2SLSTP2050DD-UNV	080083158928	2	5000	2573	22	117	0-10V Dim to 10%	0.18	0.08
4SLSTP2040DD-UNV	080083705818	4	4000	2410	21	113	0-10V Dim to 10%	0.18	0.08
4SLSTP2050DD-UNV	080083158935	4	5000	2451	21	119	0-10V Dim to 10%	0.17	0.07
4SLSTP4035DD-UNV	080083807765	4	3500	4695	41	115	0-10V Dim to 10%	0.34	0.15
4SLSTP4040DD-UNV	080083705825	4	4000	4760	44	109	0-10V Dim to 10%	0.36	0.16
4SLSTP4050DD-UNV	080083158942	4	5000	4846	43	113	0-10V Dim to 10%	0.36	0.15
4SLSTP5535DD-UNV	080083807802	4	3500	5620	49	114	0-10V Dim to 10%	0.41	0.18
4SLSTP5540DD-UNV	080083807789	4	4000	5845	49	119	0-10V Dim to 10%	0.41	0.18
4SLSTP5550DD-UNV	080083158959	4	5000	5696	49	117	0-10V Dim to 10%	0.41	0.18
8SLSTP11035DD-UNV	080083807703	8	3500	10322	83	124	0-10V Dim to 10%	0.7	0.30
8SLSTP11040DD-UNV	080083807680	8	4000	10464	83	125	0-10V Dim to 10%	0.7	0.30
8SLSTP11050DD-UNV	080083158973	8	5000	10197	83	123	0-10V Dim to 10%	0.69	0.30
8SLSTP8035DD-UNV	080083804368	8	3500	8064	71	114	0-10V Dim to 10%	0.59	0.26
8SLSTP8040DD-UNV	080083814787	8	4000	8176	71	115	0-10V Dim to 10%	0.59	0.26
8SLSTP8050DD-UNV	080083158966	8	5000	8324	70	119	0-10V Dim to 10%	0.58	0.25
4SLSTP4040CS	080083807741	4	4000	4835	41	118	0-10V Dim to 10% and simple occupancy sensor	0.34	0.15
8SLSTP8040CS	080083807727	8	4000	8304	72	115	0-10V Dim to 10% and simple occupancy sensor	0.6	0.26
8SL8040	080083807925	8	4000	8176	71	115	0-10V Dim to 10%	0.62	0.27

#### **Accessories (Order Separately)**

ROW ALIGNER 8' - 8'



SLSTPROW88 Unit UPC# 080083815647 Master Carton UPC# 080083815654 (50 per Master)

SLSTPROW842 Unit UPC# 080083815661 Master Carton UPC# 080083815678 (100 per Master)

AYC-Chain/Set=36" Hanging Chain Set w/V Hooks
TOGGLE-10=10' Suspension Aircraft Cable Kit (specify if another length is needed)
SCF-12-B=12" Fixed Stem Set (specify if another length is needed)
SLSTPLMS=2 ft. Replacement Lens
SLSTPLMS=4 ft. Replacement Lens
SLSTPLMS=6 ft. Replacement Lens

SSLSTPLNS-9 ft. Replacement Lens
EBPLED7W=User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack
EBPLED14W=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack

#### **Energy and Performance Data**

#### **Load Data**

	2'	4"	8′
PF	0.99	0.99	0.98
THD%	13.6	12.9	< 20
Weight	2.8	4.6	9
Low Temp. Start	-20°C	-20°C	-20°C

#### **Shipping Data**

Catalog Base	Wt.	Unit per Pallet
2SLSTP	2.38 lbs.	144
4SLSTP	4.3 lbs.	72
8SLSTP	9 lbs.	45



#### **Product Specifications**

#### **Feature Header**

- Fixture channel, cover and end plates are formed from cold rolled steel
- Fixture channel offers all of the features needed for installation including multiple KO, a round J-box cover, wiring connectors and decorative end caps
- · Post painted for ease of handling
- Decorative end caps snap-on for an improved aesthetic finish
- Suitable for either single or continuous row applications

#### **Controls**

- Maximize energy savings combine with products like occupancy sensors, daylighting controls, and lighting relay panels
- Standard 0-10V continuous dimming driver works with any standard 0-10V control/dimmer
- Dimming range is 10% to 100% and varies by control device
- 120V drivers work with standard 120V phase cut dimmers
- See dimming compatability chart posted on website.
   Optional simple occupancy sensors enable code compliance all in a simple package

#### **Flectrical**

- Long-Life LED system with an energy-efficient electronic driver comes in UNV (120-277V) or 120V versions
- Both drivers offer smooth dimming with a number of residential and commercial dimmers
- LED's CCT are 3500K, 4000K and 5000K with a CRI
   ≥ 80
- · Projected life is 50,000 hours at 70% lumen output

#### Finish

· Post painted with high reflective paint - standard

#### Shielding

 Offers a frost lens with decorative end caps for single and end of the row applications

#### Installation

- · May be surface, suspended, or wall mounted
- Multiple 7/8" K.O. on back and one on each end

#### Compliance

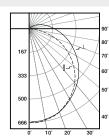
- · cULus listed for damp location rated
- LED's comply with IESNA LM-79 and LM-80 standards
- Under 4", ADA Compliant. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- · RoHS compliant
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.

#### Warranty

· Five year warranty

#### **Photometric Data**





#### 4SLSTP2040DD-UNV

Electronic Driver

Spacing criterion: (II) 1.26 x mounting height,  $(\bot)$ 

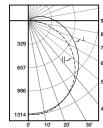
1.29 x mounting height

Lumens: 2410

Input Watts: 21.3W

Efficacy: 113 LPW

Test Report: 4SLSTP2040DD-UNV.IES



#### 4SLSTP4040DD-UNV

Electronic Driver

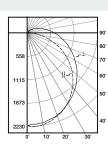
Spacing criterion: (II) 1.27 x mounting height, ( $\perp$ )

1.29 x mounting height

Lumens: 4760

Input Watts: 43.5W Efficacy: 109 LPW

Test Report: 4SLSTP4040DD-UNV.IES



#### 8SLSTP8040DD-UNV

**Electronic Driver** 

Linear LED 4000K

Spacing criterion: (II) 1.28 x mounting height,  $(\bot)$ 

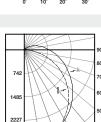
1.30 x mounting height

Lumens: 8176

Input Watts: 71W

Efficacy: 115 LPW

Test Report: 8SLSTP8040DD-UNV.IES



#### 8SLSTP11040DD-UNV

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.26 x mounting height,  $(\bot)$ 

1.28 x mounting height

Lumens: 10476

Input Watts: 83.4W

Efficacy: 126 LPW

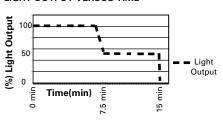
Test Report: 8SLSTP11040DD-UNV.IES

Metalux **SLSTP Lensed** 

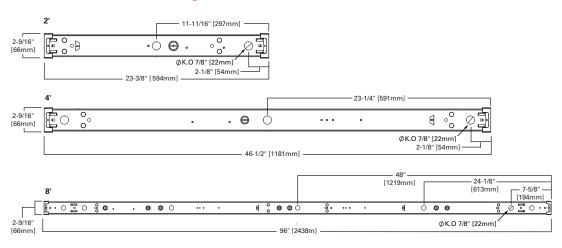
### **Sensor Coverage ("CS" SKU Designation)**

#### SENSOR COVERAGE PATTERN TOP VIEW SENSOR COVERAGE PATTERN SIDE VIEW 4.5 m R ¬-----12 ft 3.658 m Large motion Large motion Small motion Small motion Sensor 14.76 ft 9.843 ft 3 m 4.5 m

#### LIGHT OUTPUT VERSUS TIME



#### **Dimensional and Mounting Details**









### KT-MSLED19-2-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **DESCRIPTION**

2' 19W LED Microstrip Fixture | 120-277V Input | Frosted Lens | 0-10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial, retail, and residential strip applications







#### PRODUCT FEATURES

- Powered by Keystone 0–10V dimming LED drivers
- Smooth diffused lens for an even appearance
- 0–10V dimming, 10% minimum
- Compatible with Keystone 480–277V step down transformers
- Compatible with Keystone occupancy sensors
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- THD: < 20%
- Power factor > 0.95

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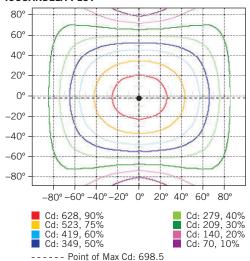
- L70 > 50,000 hours
- DLC Premium Listed

#### PRODUCT SPECIFICATIONS

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-MSLED19-2-835-VDIM-P	3500K	2 ft.	120-277V	19W	>82.0	2,470	130 lm/W
KT-MSLED19-2-840-VDIM-P	4000K	2 ft.	120-277V	19W	>82.0	2,489	131 lm/W
KT-MSLED19-2-850-VDIM-P	5000K	2 ft.	120-277V	19W	>82.0	2,508	132 lm/W

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT**



#### **ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
0-30	539.7	22.1%
0-40	884.5	36.2%
0-60	1,588.7	65%
60-90	652.5	26.7%
70-100	459.8	18.8%
90-120	175.4	7.2%
0-90	2,241.2	91.7%
90-180	203.4	8.3%
0-180	2,444.6	100%

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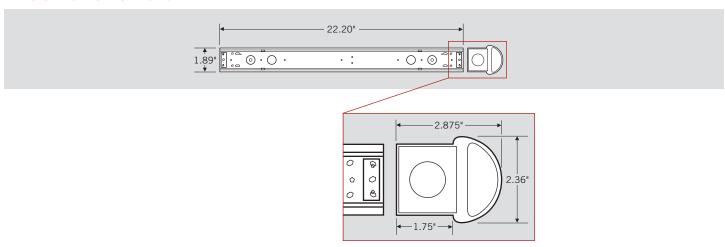




## KT-MSLED19-2-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **PHYSICAL SPECIFICATIONS**



#### **ORDERING INFORMATION**

Order Code	Packaging Style	Pack Quantity	Item Status
KT-MSLED19-2-835-VDIM-P	Carton Pack	1	Active
KT-MSLED19-2-840-VDIM-P	Carton Pack	1	Active
KT-MSLED19-2-850-VDIM-P	Carton Pack	1	Active

#### **ACCESSORIES** (SOLD SEPARATELY)

Accessory	Catalog Number	Description
V-Hooks for Suspended Mounting	KT-MSLED-VH-KIT	Two (2) V-Hooks and chains for chain-suspended mounting

#### **CATALOG NUMBER BREAKDOWN**

## KT-MSLED19-2-8XX-VDIM-P

3 4 5 6

- 1 Keystone Technologies
- 2 LED Microstrip Fixture
- 3 Wattage
- 4 2' Nominal Length
- **5** 800 Series
- **6** Color Temperature
- 7 0–10V Dimming
- 8 Premium Series





### KT-MSLED18-4-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **DESCRIPTION**

4' 18W LED Microstrip Fixture | 120–277V Input | Frosted Lens | 0–10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial, retail, and residential strip applications







#### **PRODUCT FEATURES**

- Powered by Keystone 0-10V dimming LED drivers
- Smooth diffused lens for an even appearance
- 0–10V dimming, 10% minimum
- Compatible with Keystone SmartSafe emergency LED drivers;
   KT-EMRG-LED-5-500 /NB or KT-EMRG-LED-12-1200 /NB are optimal for fixture level installation
- Compatible with Keystone 480–277V step down transformers
- Compatible with Keystone occupancy sensors
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- THD: < 20%
- Power factor > 0.95

2.

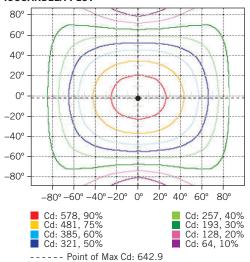
- L70 > 50,000 hours
- DLC Premium Listed

#### PRODUCT SPECIFICATIONS

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-MSLED18-4-835-VDIM-P	3500K	4 ft.	120-277V	18W	>82.0	2,290	127 lm/W
KT-MSLED18-4-840-VDIM-P	4000K	4 ft.	120-277V	18W	>82.0	2,320	129 lm/W
KT-MSLED18-4-850-VDIM-P	5000K	4 ft.	120-277V	18W	>82.0	2,340	130 lm/W

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT**



#### **ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
0-30	496.4	21.9%
0-40	814.4	35.9%
0–60	1,464.6	64.6%
60–90	603.1	26.6%
70–100	422.8	18.6%
90-120	166.2	7.3%
0–90	2,067.6	91.1%
90-180	200.9	8.9%
0-180	2,268.6	100%

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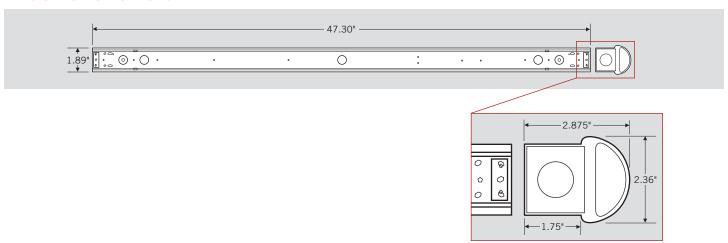




## KT-MSLED18-4-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **PHYSICAL SPECIFICATIONS**



#### **ORDERING INFORMATION**

Order Code	Packaging Style	Pack Quantity	Item Status
KT-MSLED18-4-835-VDIM-P	Carton Pack	1	Active
KT-MSLED18-4-840-VDIM-P	Carton Pack	1	Active
KT-MSLED18-4-850-VDIM-P	Carton Pack	1	Active

#### **ACCESSORIES** (SOLD SEPARATELY)

Accessory	Catalog Number	Description
CmartCafa Emarganay Battany Backup	KT-EMRG-LED-5-500 /NB	5W, 500 lumen SmartSafe emergency battery backup with narrow battery
SmartSafe Emergency Battery Backup	KT-EMRG-LED-12-1200 /NB	12W, 1200 lumen SmartSafe emergency battery backup with narrow battery
V-Hooks for Suspended Mounting	KT-MSLED-VH-KIT	Two (2) V-Hooks and chains for chain-suspended mounting

#### **CATALOG NUMBER BREAKDOWN**

## KT-MSLED18-4-8XX-VDIM-P

1 2 3 4 5 6 7 8

- 1 Keystone Technologies
- 2 LED Microstrip Fixture
- 3 Wattage
- 4 4' Nominal Length
- 5 800 Series
- **6** Color Temperature
- 7 0-10V Dimming
- 8 Premium Series





### KT-MSLED44-4-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **DESCRIPTION**

4' 44W LED Microstrip Fixture | 120–277V Input | Frosted Lens | 0–10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial, retail, and residential strip applications







#### **PRODUCT FEATURES**

- Powered by Keystone 0-10V dimming LED drivers
- Smooth diffused lens for an even appearance
- 0–10V dimming, 10% minimum
- Compatible with Keystone SmartSafe emergency LED drivers;
   KT-EMRG-LED-5-500 /NB or KT-EMRG-LED-12-1200 /NB are optimal for fixture level installation
- Compatible with Keystone 480–277V step down transformers
- Compatible with Keystone occupancy sensors
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- THD: < 20%
- Power factor > 0.95

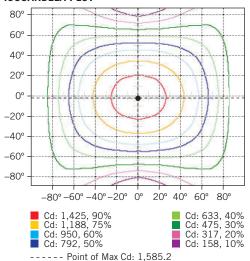
- L70 > 50,000 hours
- DLC Premium Listed

#### PRODUCT SPECIFICATIONS

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-MSLED44-4-835-VDIM-P	3500K	4 ft.	120-277V	44W	>82.0	5,632	128 lm/W
KT-MSLED44-4-840-VDIM-P	4000K	4 ft.	120-277V	44W	>82.0	5,720	130 lm/W
KT-MSLED44-4-850-VDIM-P	5000K	4 ft.	120-277V	44W	>82.0	5,764	131 lm/W

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT**



#### **ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
0-30	1,125.1	22%
0-40	2,008.6	36%
0-60	3,606.8	64.6%
60-90	1475.0	26.4%
70–100	1,036.0	18.6%
90-120	411.3	7.4%
0-90	5,081.8	91.1%
90-180	498.7	8.9%
0-180	5,580.5	100%

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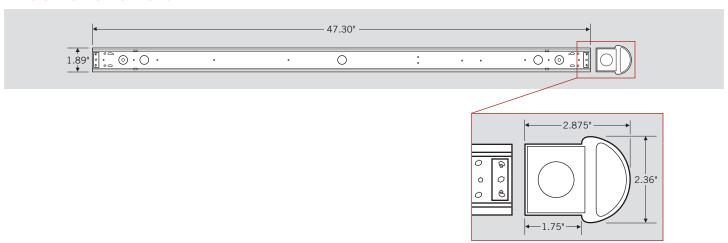




## KT-MSLED44-4-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **PHYSICAL SPECIFICATIONS**



#### **ORDERING INFORMATION**

Order Code	Packaging Style	Pack Quantity	Item Status
KT-MSLED44-4-835-VDIM-P	Carton Pack	1	Active
KT-MSLED44-4-840-VDIM-P	Carton Pack	1	Active
KT-MSLED44-4-850-VDIM-P	Carton Pack	1	Active

#### **ACCESSORIES** (SOLD SEPARATELY)

Accessory	Catalog Number	Description
SmartSafe Emergency Battery Backup	KT-EMRG-LED-5-500 /NB	5W, 500 lumen SmartSafe emergency battery backup with narrow battery
	KT-EMRG-LED-12-1200 /NB	12W, 1200 lumen SmartSafe emergency battery backup with narrow battery
V-Hooks for Suspended Mounting	KT-MSLED-VH-KIT	Two (2) V-Hooks and chains for chain-suspended mounting

#### **CATALOG NUMBER BREAKDOWN**

## KT-MSLED44-4-8XX-VDIM-P

1 2 3 4 5 6 7 8

- 1 Keystone Technologies
- 2 LED Microstrip Fixture
- 3 Wattage
- 4 4' Nominal Length
- 5 800 Series
- **6** Color Temperature
- 7 0-10V Dimming
- 8 Premium Series





### KT-MSLED54-8-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **DESCRIPTION**

8' 54W LED Microstrip Fixture | 120-277V Input | Frosted Lens | 0-10V Dimming | Premium Series

#### **APPLICATION**

Used for commercial, retail, and residential strip applications







#### **PRODUCT FEATURES**

- Powered by Keystone 0–10V dimming LED drivers
- Smooth diffused lens for an even appearance
- 0–10V dimming, 10% minimum
- Compatible with Keystone SmartSafe emergency LED drivers;
   KT-EMRG-LED-5-500 /NB or KT-EMRG-LED-12-1200 /NB are optimal for fixture level installation
- Compatible with Keystone 480–277V step down transformers
- Compatible with Keystone occupancy sensors
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- THD: < 20%
- Power factor > 0.95

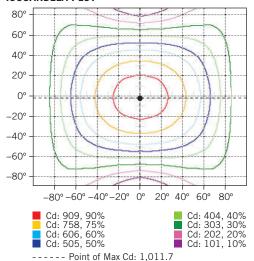
- L70 > 50,000 hours
- DLC Premium Listed

#### PRODUCT SPECIFICATIONS

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-MSLED54-8-835-VDIM-P	3500K	8 ft.	120-277V	54W	>82.0	7,100	131 lm/W
KT-MSLED54-8-840-VDIM-P	4000K	8 ft.	120-277V	54W	>82.0	7,160	133 lm/W
KT-MSLED54-8-850-VDIM-P	5000K	8 ft.	120-277V	54W	>82.0	7,210	134 lm/W

#### PHOTOMETRIC SPECIFICATIONS

#### **ISOCANDELA PLOT**



#### **ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
0-30	782.1	21.8%
0-40	1,283.2	35.8%
0-60	2,307.4	64.4%
60–90	949.1	26.5%
70-100	668.2	18.7%
90-120	267.1	7.5%
0-90	3,256.5	90.9%
90-180	324.7	9.1%
0-180	3,581.2	100%

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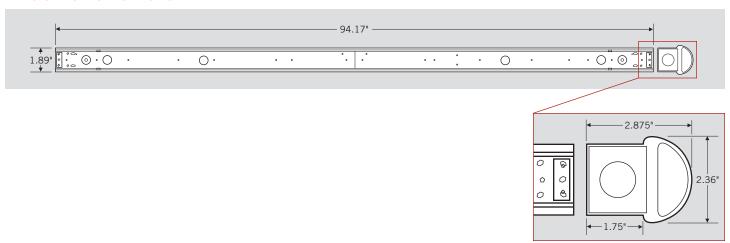




### KT-MSLED54-8-8XX-VDIM-P

LED MICROSTRIP FIXTURE

#### **PHYSICAL SPECIFICATIONS**



#### **ORDERING INFORMATION**

Order Code	Packaging Style	Pack Quantity	Item Status
KT-MSLED54-8-835-VDIM-P	Carton Pack	1	Active
KT-MSLED54-8-840-VDIM-P	Carton Pack	1	Active
KT-MSLED54-8-850-VDIM-P	Carton Pack	1	Active

#### **ACCESSORIES** (SOLD SEPARATELY)

Accessory	Catalog Number	Description
SmartSafe Emergency Battery Backup	KT-EMRG-LED-5-500 /NB	5W, 500 lumen SmartSafe emergency battery backup with narrow battery
	KT-EMRG-LED-12-1200 /NB	12W, 1200 lumen SmartSafe emergency battery backup with narrow battery
V-Hooks for Suspended Mounting	KT-MSLED-VH-KIT	Two (2) V-Hooks and chains for chain-suspended mounting

#### **CATALOG NUMBER BREAKDOWN**

## KT-MSLED54-8-8XX-VDIM-P

1 Keystone Technologies

- 2 LED Microstrip Fixture
- 3 Wattage
- 4 8' Nominal Length
- 5 800 Series
- **6** Color Temperature
- 7 0-10V Dimming
- 8 Premium Series