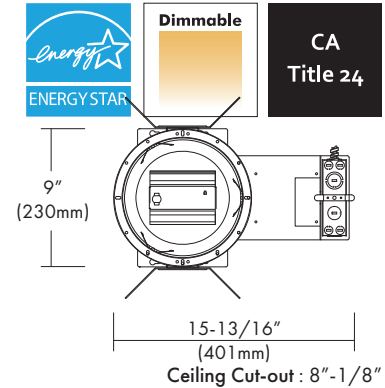
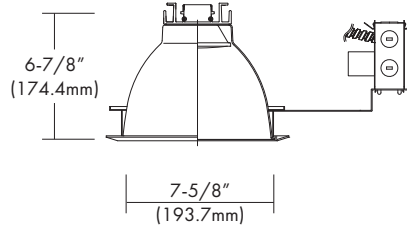


M800/MCLR8W

120V-277VAC LED 8", Non-IC, Architectural Frame-in Kit
Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

8" LED Architectural Frame-in Kit



DESCRIPTION

This is a M800/MCLR8W 8" LED, Non-IC, Frame-in kit and is available with multiple Trim styles. Designed for use in non-insulated ceilings, Insulation material must be kept a minimum of 3" from fixture. Available with a 14W, 23W, 30W or 45W, high efficacy LED engine and universal, dimmable drivers. The special optical diffuser produces high lumen transmission and even illumination. Suitable for Wet Locations.

DESIGN FEATURES

Mounting Ring

- 20-gauge CRS mounting ring, painted black. The 1-5/8" deep collar may be used with various ceiling material thicknesses.

LED Module & Trim

- Painted, extruded aluminum heat sink designed to facilitate efficient heat dissipation for superior thermal management and reliability.
- LED engine includes LED, heat sink and lens assembly.
- Heavy gauge aluminum reflector anodized in clear haze or white paint finishes. Multiple trim styles and finishes are available.

LED Driver

- Universal, 120~277V input, high efficacy drivers with dimming capability by ① a Triac 120V low voltage electronic dimmer switches or ② 0-10V, Triac & ELV dimmer switches.
- Drivers feature power factor >.90, THD <20% with integral thermal protection to sense over temperature or electrical issues.
- Driver mounts externally to the module to allow future replacement or upgrading if desired.
- Optional Lutron Hi-lume A-Series, LED drivers and EcoSystem 5-Series LED drivers are available. Lutron drivers provide flicker-free, smooth, continuous dimming down to 1% for Hi-lume and 5% for EcoSystem. (Contact factory for dimming system requirements)

Mounting Channel Bracket

- Commercial mounting kit provides up to 5" vertical adjustment and accommodates 1/2" EMT conduit. Optional HB-24 or HBC-24 bar hanger or lathing channels for T-bar grid or concealed spline ceiling are also available.

Junction Box

- Listed for through branch circuit wiring. (Max.8 No 12 AWG 90°C branch circuit conductors: 4 in, 4 out)
- (5) 1/2" knockouts with pry-out slots and (4) knockouts with Romex cable clamps.
- Ground wire provided on J-box.

Options

- Emergency battery back-up : Available in mounted to fixture or remote adjacent to luminaire (consult with factory for space requirements).

Limited Warranty

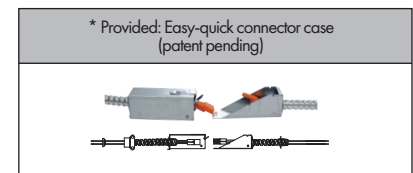
- LED Module: 5 years/50K hours
- Product/Driver: 3 years

Listing

- cETLus Wet Location
- ENERGY STAR
- California Title 24

SPECIFICATION				
Input Voltage	120-277VAC			
Wattage (+/-5%)	14W	23W	30W	45W
Lumen (+/-5%)	1,331	2,180	2,700	4,135
Efficacy (LPW)	95.1	94.8	93.1	91.9
Beam Angle	75°	75.5°	77°	76.2°
CRI (Typical)	80, 90			
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
Dimming	Triac (Standard), 0-10V			
LED Module	5 yr/50K hr			
Environment	Wet Location			

Triac Approved Dimmers
* Lutron: NovaT (Ntely 300 & 600) Divya (Dvelv-300P & 303P)
* Leviton: Acenti: Ate06-1Lw
* Leviton Trimatron #705W (incandescent)
0-10V Approved Dimmers
* Lutron: Nova® 0-10V : NTFTV Divya® 0-10V : DVTV
* Leviton: Decora 0-10V : IP710DL
Consult tech. service or factory for additional dimmers



8" LED Architectural Frame-in Kit

* Wide beam reflector is standard. Also available narrow beam in reflector(consult with factory).



MCLR8W-HC
Specular Open Reflector

MCLR8W-B
Baffle w / Reflector

MCLR8W-BL
Baffle w / Regressed Lens

MCLR8W-CL
Reflector w / Regressed Lens

MCLR8W-HCW
Wall Wash w / Reflector Plate

MCLR8W-DL
Reflector w / Frosted Floating Lens



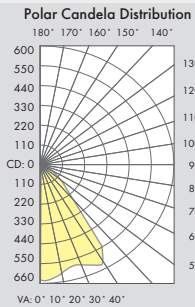
MCLR8W-DLC
Reflector with Frosted 3.5" Center Hole Lens

*All trims are rated for damp location and regressed lens trims are wet location listed.

PHOTOMETRIC REPORT

*All trims are rated for damp location and regressed lens trims are wet location listed.

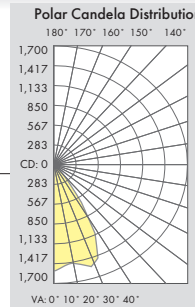
* Contact Factory for IES File



Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	163.9 fc
4.0ft	41.0 fc
6.0ft	18.2 fc
8.0ft	10.2 fc
10.0ft	6.6 fc
12.0ft	4.6 fc

Beam Spread: 63°



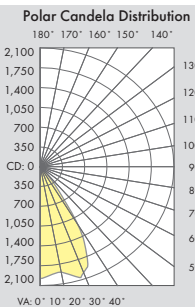
Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	378.7 fc
4.0ft	94.7 fc
6.0ft	42.1 fc
8.0ft	23.7 fc
10.0ft	15.1 fc
12.0ft	10.5 fc

Beam Spread: 64.2°

[M800-14-8-30/MCLR8W-HC-WH]

[M800-23-8-30/MCLR8W-HC-WH]

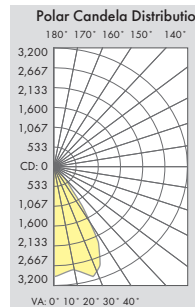


Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	497.7 fc
4.0ft	124.4 fc
6.0ft	55.3 fc
8.0ft	31.1 fc
10.0ft	19.9 fc
12.0ft	13.8 fc

Beam Spread: 63.3°

[M800-30-8-30/MCLR8W-HC-WH]



Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	732.2 fc
4.0ft	183.1 fc
6.0ft	81.4 fc
8.0ft	45.8 fc
10.0ft	29.3 fc
12.0ft	20.3 fc

Beam Spread: 62.9°

[M800-45-8-30/MCLR8W-HC-WH]

Ordering Information

Model	-Watts	-CRI	Color Temp.**	Driver*	Trim	-Reflector Finish**	Baffle Finish for B-CL	Optional Metal Trim Ring Finish
M800 = 8", Non-IC, Architectural Frame-in Down Light Kit	-14 = 14W -23 = 23W -30 = 30W -45 = 45W	-8 = 80 -9 = 90	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K	Z10 = 120/277V, 0-10V Dimming Z = 120/277V, Tri-Mode (0-10V/Triac/ELV) LUTRON LDE1 = Hi-lume 1% EcoSystem Fade to Black Dimming LTE = Hi-lume 1% 2-Wire Dimming 120V PEQ01 = Hi-lume Premier 0.1% EcoSystem Fade to Black Dimming (For 23W or less only)	MCLR8W-HC MCLR8W-B MCLR8W-BL MCLR8W-CL MCLR8W-HCW MCLR8W-DL	-HC = Haze Clear -WH = White Painted	-WH = White -BK = Black	-WH = White Plastic Trim Ring (Standard) -WMR = White Metal Ring -SN = Satin Nickel -CH = Chrome -SF = Polished Self-Flange (for Open or Wall Wash Reflectors ONLY)

Example : M800-14-8-30-Z

MCLR8W-HC-WH

** Consult factory for other Color Temperatures and Finishes