

# FCW SERIES

# WALL MOUNT CUTOFF LUMINAIRE



<b>Project:</b>	
<b>Type:</b>	
<b>Catalog #:</b>	



The contemporary-styled FCW Wall Mount Cutoff Luminaire is available in two wattages and two optical distributions designed to replace HID lighting systems up to 150W MH or HPS. Typical wall mounted lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 15 feet can be used based on light level and uniformity requirements.

### Specifications and Features:

#### Housing:

Die Cast Aluminum Housing with Integral Heat Sinking. Nickel-Plated Stainless Steel Hardware. Photocell Adaptable.

#### Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.

#### Finish:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Lens:

Clear One-Piece Molded UV-Stabilized Polycarbonate or Diffused UV-Stabilized Polycarbonate Opal Vandal-Resistant Lenses to Seal LED Array.

#### Mounting Options:

Mount Directly Over a 4" Recessed Outlet Box, Includes Easy-Hang "Two Hands Free" Wall Mounting Bracket with Built-In Level. No Surface Conduit Entrance.

#### LED:

Aluminum Boards

#### Wattage:

14w: Array: 14.5w, System: 16.1w  
22w: Array: 21.7w, System: 24.8w

#### Driver:

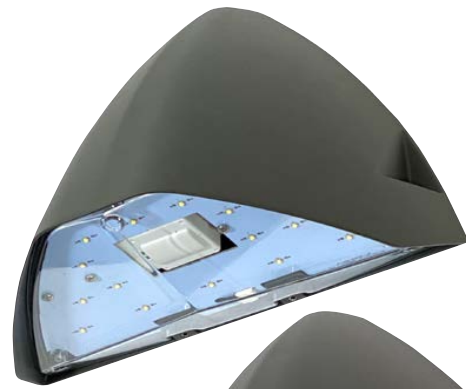
Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

#### Controls:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

#### Warranty:

5-Year Warranty for -40°C to +50°C Environment.



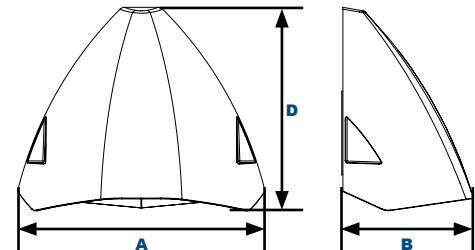
Shown with Clear Molded UV-Stabilized Polycarbonate Lens



Shown with Diffused Opal UV-Stabilized Polycarbonate Array Lens

### Dimensions

<b>Width (D)</b>	12½" (319mm)
<b>Length (B)</b>	6¾" (168mm)
<b>Height (A)</b>	10¼" (262mm)



### Replacement Parts

(Order Separately, Field Installed)

PC	120-277VAC Photocell
MS	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz

For Replacement Battery Backup, see the Battery Backup Specification Sheet.



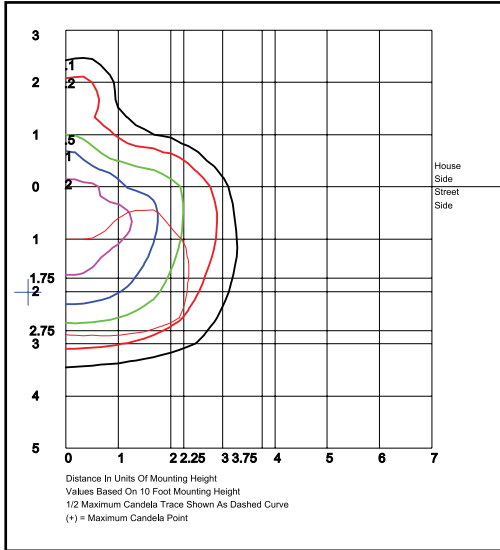
PC



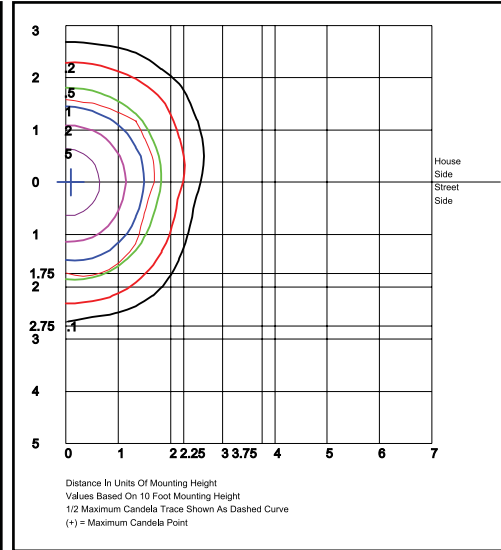
MS

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
FCW = Wall Mount Cutoff Luminaire	4=Type IV 5=Type V	14=14w 22=22w	LV=120-277V HV=347V*  *14w Models Only.	S=3000K I=4000K C=5000K	C=Clear Molded UV-Stabilized Polycarbonate Lens D=Diffused Lens Opal UV-Stabilized Polycarbonate Array Lens*  *Use with F Optic Only.	BZ=Bronze C=Custom (Consult Factory)	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection S2=Microwave Sensor with Dimming for Mounting Heights of 8' to 40'. BU=Battery Backup*  *120-277V Models Only.

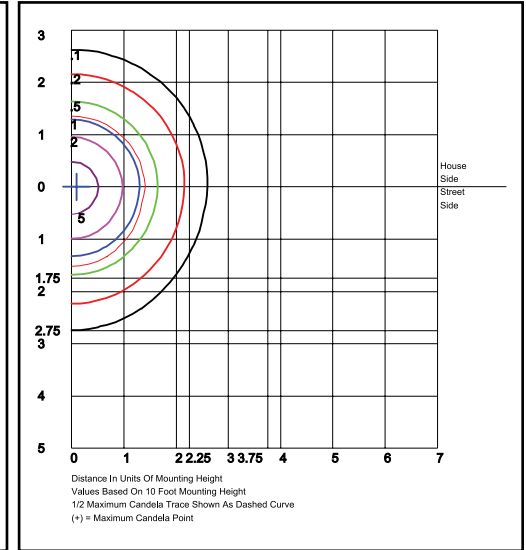
## Photometric Data



**Type IV, Clear Lens Grid**  
in MH  
MH=10 Feet



**Type V, Clear Lens Grid**  
in MH  
MH=10 Feet



**Type V, Diffused Lens**  
Grid in MH  
MH=10 Feet

## Photometric Performance

Optic	CCT	Wattage (Catalog Logic)	
		14W (1X14)	22W (1X22)
Input Watts		16.1W	24.8W
Delivered Lumens			
4 = Type IV	3000K	1,473	2,209
	4000K	1,533	2,299
	5000K	1,592	2,389
	BUG Rating	B0-U1-G1	B1-U1-G1
5 = Type V	3000K	1,770	2,655
	4000K	1,842	2,762
	5000K	1,913	2,870
	BUG Rating	B1-U1-G0	B1-U1-G1
5 = Type V with Diffused Lens	3000K	1,408	2,112
	4000K	1,465	2,198
	5000K	1,522	2,283
	BUG Rating	B1-U2-G1	B1-U2-G1

## Projected Lumen Maintenance

Data shown for 5000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 25w	1.00	0.98	0.95	0.91	320,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.95	0.89	0.79	141,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.93	0.85	134,000

**NOTES:**  
 1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.  
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.