

INTENDED USE

The 12/13-inch Low-Profile High-Efficiency Round LED Canopy Light delivers powerful, uniform illumination in a compact, commercial-grade design. Engineered for performance and versatility, it features field-selectable color temperature and wattage options, allowing easy customization for a variety of applications.

Built with high-quality LEDs and precision optics, this fixture ensures optimal energy efficiency and long-term reliability. Its slim profile allows for effortless installation in parking garages, commercial buildings, walkways, and other covered outdoor areas — providing consistent lighting, reduced maintenance, and superior energy savings.

FEATURES

Construction: Die-cast aluminum with heat dissipating fins with corrosion-resistant powder coating
Mounting: Designed for surface installation with the option to be mounted as a pendant using a conduit
Temperature: 40/50K Selectable switch
Photometry: Parking Garage
Finish: White
CRI: 70+
Voltage: 120-277VAC
Dimming Driver: 0-10V dimming down to 10%
Power Adjustable: 100%, 80%, 60%, 40%.
Power Factor: ≥90%
Total Harmonic Distortion: <20%
Operating Temperature: -40°F to 113°F
Life: 50,000 Hours
Weight: 5.73 lbs (12 Inch), 6.24 lbs (13 Inch)
Optional Emergency Battery: 8 Watts, 900 lm, 90min
Listings: UL cUL wet location listed, DLC Premium
Warranty: 5 years carefree for parts & components (Labor not included).



12 Inch | 60 Watts
16002-12



13 Inch | 80 Watts
16002-13



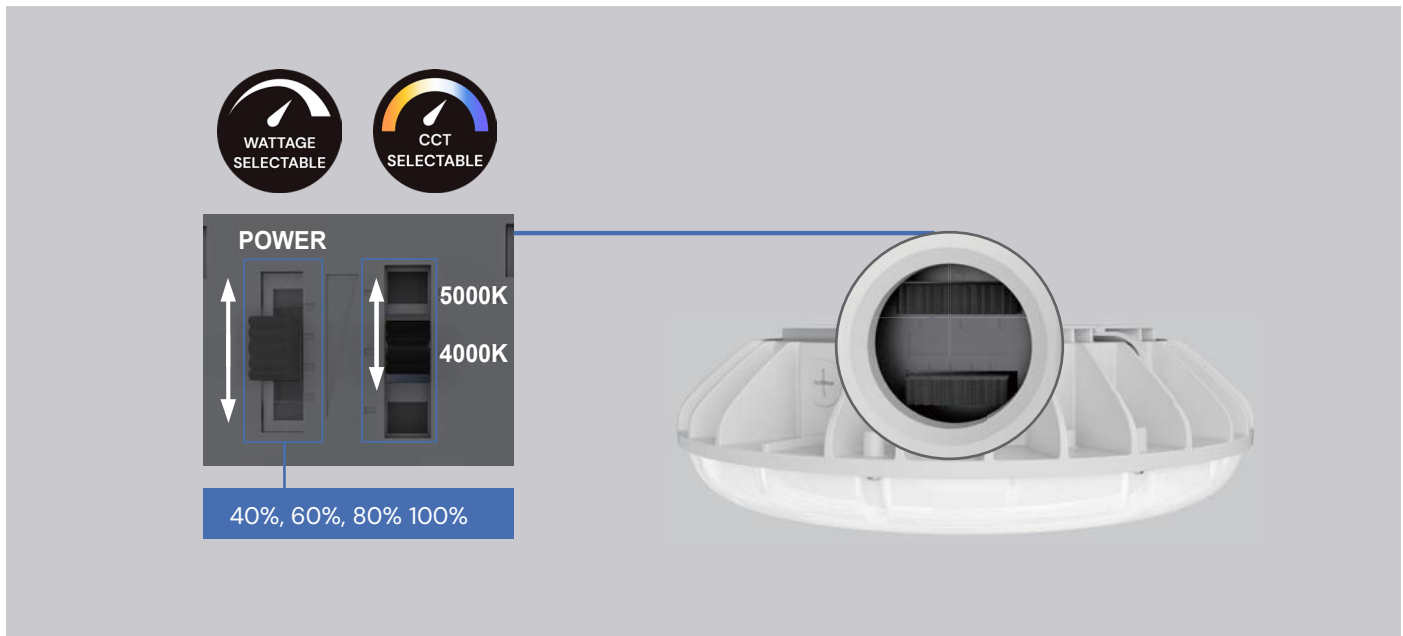
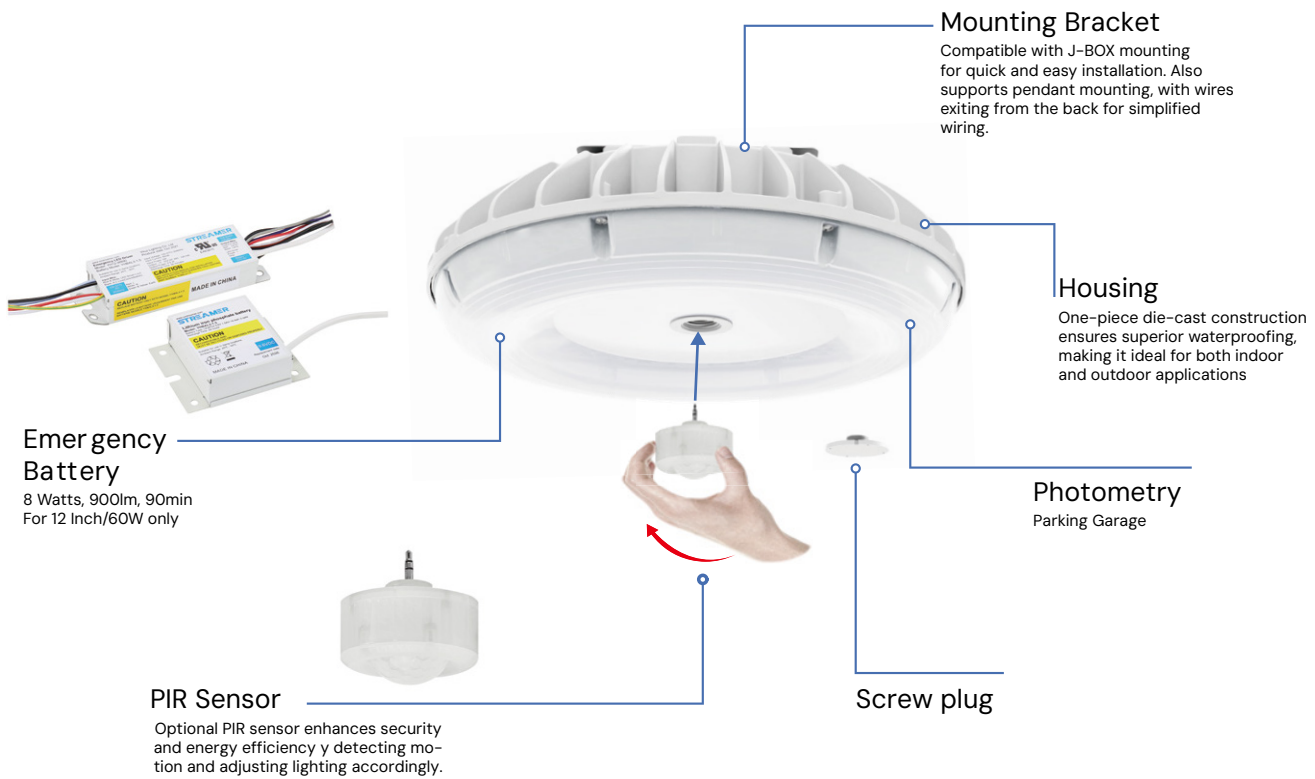
ORDERING INFORMATION Example:

Model	Size	Options
16002	12 12 Inch 13 13 Inch	PI ¹ PIR Sensor EM8 ² 8 Watt Emergency Battery

¹ The PIR external sensor can be easily installed in the field

² The Emergency battery is only compatible with the 12 Inch/60W model

STRUCTURAL DESIGN



OPTIONS



EM8
8 Watt Emergency Battery
90 minutes producing 900 lumens
For 60W only



PI
PIR Sensor
120-277V

PERFORMANCE DATA

60 Watts					
SETTING	SETTING WATTS	4000K (70CRI)		5000K (70CRI)	
		LUMENS	LPW	LUMENS	LPW
100%	60W	7700lm	128lm/W	7500lm	125lm/W
80%	46W	6500lm	141lm/W	6300lm	137lm/W
60%	34W	5000lm	147lm/W	4900lm	134lm/W
40%	22W	3600lm	164lm/W	3500lm	159lm/W

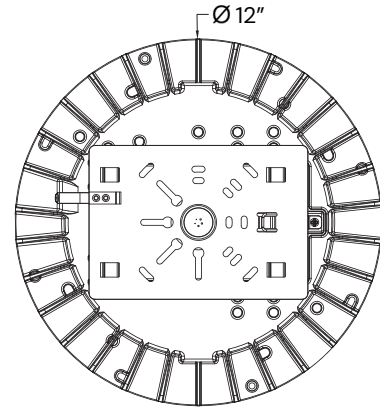
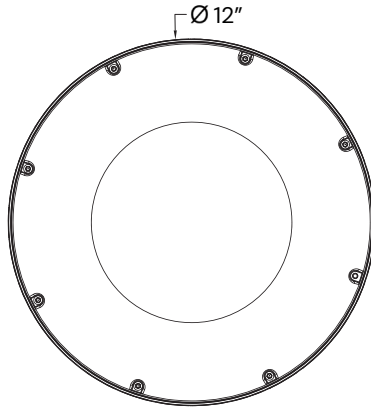
80 Watts					
SETTING	SETTING WATTS	4000K (70CRI)		5000K (70CRI)	
		LUMENS	LPW	LUMENS	LPW
100%	80W	10400lm	130lm/W	10000lm	125lm/W
80%	64W	8510lm	133lm/W	8200lm	128lm/W
60%	48W	6580lm	137lm/W	6350lm	132lm/W
40%	32W	4480lm	140lm/W	4320lm	135lm/W

ELECTRICAL DATA

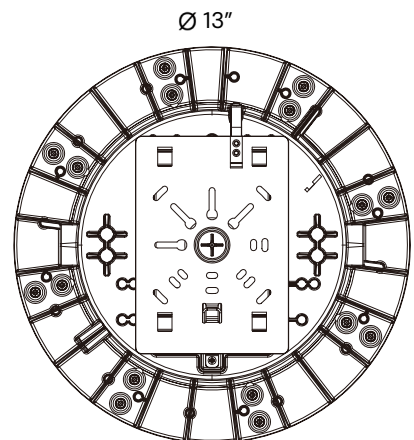
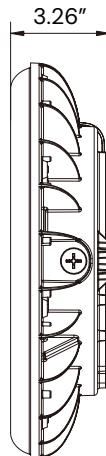
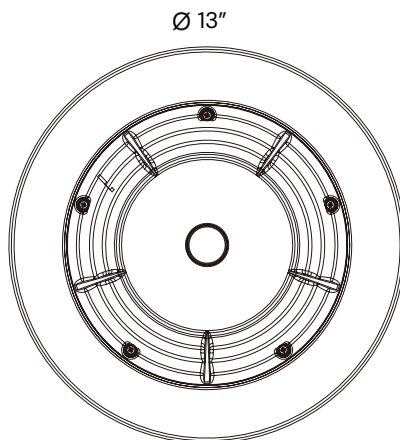
Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1050	60	120	0.50
		60	208	0.29
		60	240	0.25
		60	277	0.22
1	2000	80	120	0.67
		80	208	0.38
		80	240	0.33
		80	277	0.29

LINE DRAWINGS

12 Inch/ 60 Watts
16002-12



13 Inch/ 80 Watts
16002-13



MOUNTING



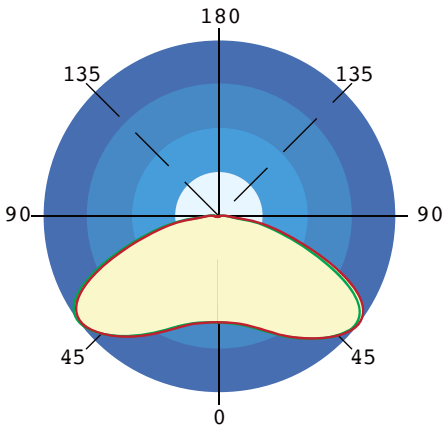
Surface
Mounted With J-Box



Pendant
Conduit not included

PHOTOMETRY

Parking Garage Photometry



COLOR TEMPERATURE GUIDE

2700K

WARM WHITE

friendly personal intimate

HOMES LIBRARIES RESTAURANTS

X

3000K

SOFT WHITE GLOW

soft warm pleasing

HOMES HOTEL ROOMS LOBBIES RETAIL STORES

X

3500K

NEUTRAL GLOW

sociable inviting non-threatening

EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS

X

4000K

COOL WHITE GLOW

neat clean efficient

OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS

✓

5000K

DAYLIGHT GLOW

bright cool alert

GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS

✓

Alcon Lighting 16002 12/13-Inch Low-Profile Round LED Canopy Light

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