

LED CANOPY(MGC01)

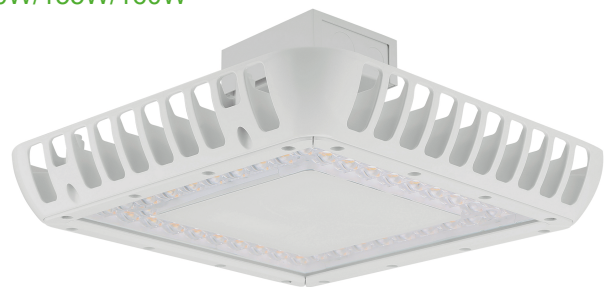


DESCRIPTION

BBIER Gas Station Canopy Light is an ideal solution for budget-friendly, canopy lighting. It can be used in commercial buildings, parking lot structures, gas stations, secure entryways, exterior canopies and many other applications. When replacing up to 400W MH, it can save about 86% of energy. Excellent heat dissipation structure design features and precision optical design provide a good lighting effect with a lifetime of up to 50,000 hours accompanied by excellent optical performance.



100W/155W/160W



SPECIFICATION FEATURES

Construction

- Die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber.
- Casting thermally conducts LED heat to optimize performance and long life.
- With corrosion-resistant powder coating that provides protection and architectural appearance while adapting well to the indoor and outdoor environment.

Optics

- Light engines are available in standard 4000 K and 5000 K (70 CRI) configurations.
- Scalable Lumen Packages from 10,000 to 23,000 Lumens.
- Tempered glass lens is designed for excellent light output and uniformity.
- The optional Type III light type provides corner illumination without wasting light.

Electrical

- Universal 120-277 VAC or 347/480VAC input voltage.
- Optional for wattage selectable: 100W, 80W, 60W, 40W.
- 0-10V dimming driver standard for 10% to 100% dimming.
- Both drivers have a power factor >90%, THD <20%.
- Operating Temperature Range: -40°C to 50°C (-40°F - + 122°F).

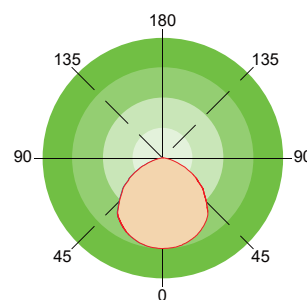
Controls

- Optional Occupancy sensor, Microwave sensor, Multifunction Sensor or daylight sensor.
- Optional Bluetooth sensor or Bluetooth controller.
- Silvair Luminaire Level Lighting Control (LLLC) optional.
- Sharkward Luminaire Level Lighting Control (LLLC) optional.
- Haisen Luminaire Level Lighting Control (LLLC) optional.
- Also compatible with 3rd party smart network control system.
- Compatible with high end trim.

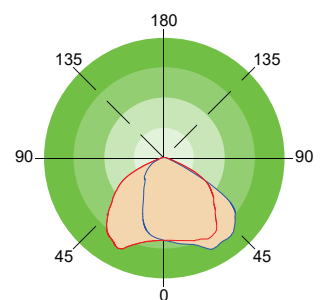
Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

PHOTOMETRICS



General



Type 3

Warranty

- Five-year limited warranty.

Certifications

- UL cUL wet location listed.
- DesignLights Consortium™ Qualified.

Note: Please refer to the DLC website for specific product qualifications at www.designlights.org.

Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C(±5°C) specifications subject to change without notice.

PERFORMANCE DATA

MGC01100W (General Distribution)										
SETTING	SYSTEM WATTS	Distribution	3000K(70CRI)		3500K(70CRI)		4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	100W	General	14600lm	146 lm/W	14600lm	146 lm/W	15000lm	150 lm/W	15000lm	150 lm/W
80%	80W	General	12000lm	150 lm/W	12000lm	150 lm/W	12300lm	154 lm/W	12300lm	154 lm/W
60%	60W	General	9300lm	155 lm/W	9300lm	155 lm/W	9600lm	160 lm/W	9600lm	160 lm/W
40%	40W	General	6500lm	163 lm/W	6500lm	163 lm/W	6700lm	166 lm/W	6700lm	166 lm/W

MGC01150W (General Distribution)										
SETTING	SYSTEM WATTS	Distribution	3000K(70CRI)		3500K(70CRI)		4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	150W	General	23000lm	153 lm/W	23000lm	153 lm/W	23500lm	157 lm/W	23500lm	157 lm/W
80%	120W	General	18900lm	158 lm/W	18900lm	158 lm/W	19300lm	161 lm/W	19300lm	161 lm/W
60%	90W	General	14700lm	163 lm/W	14700lm	163 lm/W	15000lm	167 lm/W	15000lm	167 lm/W
40%	60W	General	10200lm	170 lm/W	10200lm	170 lm/W	10400lm	173 lm/W	10400lm	173 lm/W

MGC01150W (Type III Distribution)										
SETTING	SYSTEM WATTS	Distribution	3000K(70CRI)		3500K(70CRI)		4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	150W	Type III	21500lm	143 lm/W	21500lm	143 lm/W	22000lm	147 lm/W	22000lm	147 lm/W
80%	120W	Type III	17600lm	147 lm/W	17600lm	147 lm/W	18000lm	150 lm/W	18000lm	150 lm/W
60%	90W	Type III	13700lm	152 lm/W	13700lm	152 lm/W	14000lm	156 lm/W	14000lm	156 lm/W
40%	60W	Type III	9500lm	158 lm/W	9500lm	158 lm/W	9700lm	162 lm/W	9700lm	162 lm/W

MGC01160W (General Distribution)										
SETTING	SYSTEM WATTS	Distribution	3000K(70CRI)		3500K(70CRI)		4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	160W	General	23000lm	144 lm/W	23000lm	144 lm/W	23500lm	147 lm/W	23500lm	147 lm/W
80%	128W	General	18900lm	148 lm/W	18900lm	148 lm/W	19300lm	151 lm/W	19300lm	151 lm/W
60%	96W	General	14700lm	153 lm/W	14700lm	153 lm/W	15000lm	156 lm/W	15000lm	156 lm/W
40%	64W	General	10200lm	159 lm/W	10200lm	159 lm/W	10400lm	163 lm/W	10400lm	163 lm/W

MGC01160W (Type III Distribution)										
SETTING	SYSTEM WATTS	Distribution	3000K(70CRI)		3500K(70CRI)		4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	160W	Type III	21500lm	134 lm/W	21500lm	134 lm/W	22000lm	138 lm/W	22000lm	138 lm/W
80%	128W	Type III	17600lm	138 lm/W	17600lm	138 lm/W	18000lm	141 lm/W	18000lm	141 lm/W
60%	96W	Type III	13700lm	143 lm/W	13700lm	143 lm/W	14000lm	146 lm/W	14000lm	146 lm/W
40%	64W	Type III	9500lm	148 lm/W	9500lm	148 lm/W	9700lm	152 lm/W	9700lm	152 lm/W

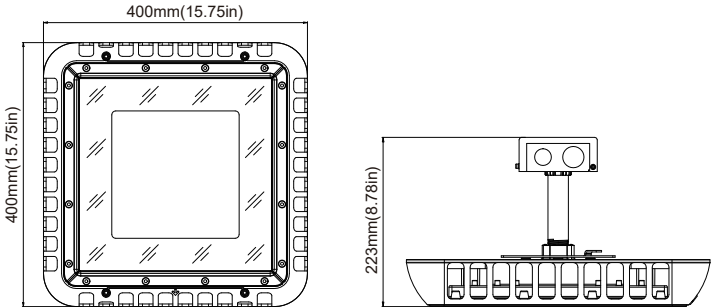
ELECTRICAL DATA

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	2600	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
		100	347	0.29
		100	480	0.21
1	1200	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
		160	347	0.46
		160	480	0.33

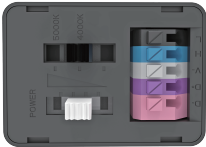
DIMENSION

unit: mm/inch

100W/150W/160W
Net Weight:
100W: 10.913 lb
150W: 10.714 lb
160W: 13.140 lb



ACCESSORIES (Optional)

		
Spring fitting	Power Controller USE: The wattage can be changed by switch selection on the controller.	Microwave Sensor, 12V Description: Sensor can be built-in fixture.

ORDERING GUIDE

Example: MGC01100W27V40KYYYY

Fixture Type	Wattage	Input Voltage	CCT	Finish	Lens	Control	Internal Code
MGC01 Canopy Series	100W 150W 160W	27V 120-277V 48V 347/480V 48V 347-480V	30K 3000K 35K 3500K 40K 4000K 50K 5000K	D Dark Bronze B Black W White SG Silver Gray	CD Clear Diffuser T3 Type III lens	Blank Without control M With Sensor AD With Adjustment Dia MAD With Motion Sensor and Adjustment Dia	Blank Alphanumeric

Note: 1. 150W model is in 120-277V, it's 160W in 347/480V.
2. Only 100W suit for 347-480V input voltage.