

LED CANOPY LIGHT · 100 – 160 W

Canopy light

Four output levels per model. General or Type III distribution. Universal 120–277 V input, or 347/480 V.

23,500 lm	173 lm/W	50,000 h	120–277 V
LUMENS, 150 W AT 4000 K	EFFICACY, 150 W AT 60 W	ESTIMATED LED LIFE	INPUT · 347 / 480 V OPTION

PROJECT _____ TYPE _____ CATALOG NO. _____ DATE _____

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DLC LISTED PREMIUM

Specification, features and options

Common to all models: 3000 / 3500 / 4000 / 5000 K · CRI 70 · 0–10 V dimming, 10%–100% · wet location · 50,000-hour rated life. For commercial buildings, parking structures, gas stations, secure entryways and exterior canopies. Replacing up to 400 W metal halide can save about 86% of energy.

CONSTRUCTION	Die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber. Casting conducts LED heat away for performance and long life. Corrosion-resistant powder coating.
OPTICS	Tempered glass lens for light output and uniformity. Optional Type III distribution provides corner illumination without wasting light. Lumen packages from 10,000 to 23,000 lm.
COLOUR	3000 K, 3500 K, 4000 K or 5000 K, 70 CRI. Standard configurations 4000 K and 5000 K.
DIMMING	0–10 V driver, 10%–100%, standard.
LIFE	Estimated 50,000 hours, based on IES LM-80 results and TM-21 calculations.
WARRANTY	5-year limited.

CONTROLS	Optional occupancy, microwave, multifunction or daylight sensors. Bluetooth sensor or controller. Third-party smart network control and high-end trim compatible.
ELECTRICAL	Universal 120–277 VAC or 347/480 VAC input. Power factor > 90%, THD < 20% (both drivers).
OUTPUT	Optional wattage selectable at 100%, 80%, 60% and 40%; see Performance.
ENVIRONMENT	Wet location. Operating temperature −40 °C to 50 °C [−40 °F to 122 °F].
LISTINGS	UL and cUL wet location listed. DesignLights Consortium qualified.
APPLICATIONS	Commercial buildings, parking structures, gas stations, secure entryways, exterior canopies and many other applications.

Features

- Four output levels per model: 100%, 80%, 60%, 40%
- General or Type III distribution
- 0–10 V dimming, 10%–100%
- 120–277 V or 347/480 V input
- Optional occupancy, microwave, multifunction or daylight sensor
- Bluetooth sensor or controller option
- Wet-location listed
- 5-year limited warranty

Options and accessories



Spring fitting
Optional accessory.



Power controller · AD
Wattage can be changed by switch selection on the controller.



Microwave sensor, 12 V · M
Sensor can be built into the fixture.

Actual performance may differ with 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. DLC qualifications: designlights.org.

Output data, every setting

Four output levels per model: 100%, 80%, 60% and 40%.

100 W · General distribution

70 CRI

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

150 W · General distribution

70 CRI

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

150 W · Type III distribution

70 CRI

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

Output data, every setting

Four output levels per model: 100%, 80%, 60% and 40%.

160 W · General distribution

70 CRI

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

160 W · Type III distribution

70 CRI

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

Electrical data and photometrics

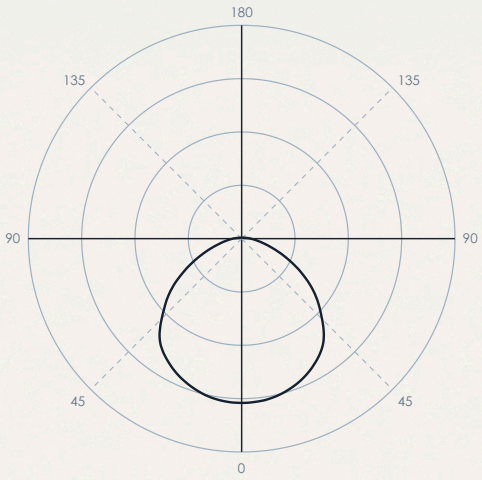
Input current at each supply voltage.

Drivers and input current

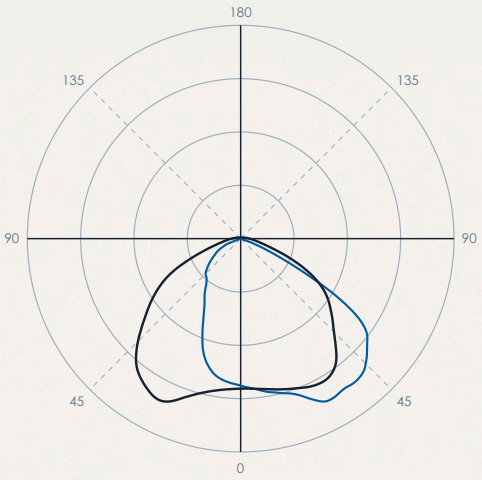
AMPS

NOMINAL POWER	DRIVER CURRENT	DRIVERS	120 V	208 V	240 V	277 V	347 V	480 V
100 W	2600 mA	1	0.83 A	0.48 A	0.42 A	0.36 A	0.29 A	0.21 A
150 W (120 – 277 V) · 160 W (347 / 480 V)	1200 mA	1	1.25 A	0.72 A	0.63 A	0.54 A	0.46 A	0.33 A

Photometrics



GENERAL



TYPE 3

Polar distribution of luminous intensity, redrawn from the factory graphic. Angles in degrees. Type 3: the two curves are the two measured planes.

Ordering and dimensions

Catalog number breakdown

LEFT TO RIGHT

MGC01 – 100W – 27V – 40K – D – CD – M

1	2	3	4	5	6	7

1	Series	MGC01	Canopy series
2	Wattage	100W · 150W · 160W	see notes for voltage
3	Input voltage	27V · 48V	120–277 V · 347/480 V (347–480 V)
4	CCT	30K · 35K · 40K · 50K	3000 K · 3500 K · 4000 K · 5000 K
5	Finish	D · B · W · SG	dark bronze · black · white · silver gray
6	Lens	CD · T3	clear diffuser · Type III lens
7	Control	blank · M · AD · MAD	without control · with sensor · with adjustment dial · with motion sensor and dial
8	Internal code	blank	alphanumeric

EXAMPLE MGC01 100W 27V 40K D CD M — 100 W, 120–277 V, 4000 K, dark bronze, clear diffuser, with sensor.

Ordering notes

1. The 150 W model in 120–277 V is 160 W in 347/480 V.

Dimensions

Plan and side view, inches [millimetres]. Net weight: 100 W 10.913 lb · 150 W 10.714 lb · 160 W 13.140 lb.

100 W · 150 W · 160 W

