

# PGC100

PARKING GARAGE CANOPY



PROJECT

DATE

TYPE

NOTES

REV: 11 2020

\* Contact Paraflex for DLC Part Number



24W, 40W & 56W



100W

### PARKING GARAGE CANOPY

The PGC100 garage luminaire is a premium-performance solution for illuminating parking garages, storage areas, stairwells, and other applications requiring a low profile luminaire that can be surface or pendant mounted.

With a die cast aluminum housing and a polycarbonate lens, the PGC100 will stand up to many years of punishing environmental conditions. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional garage lights with HID, fluorescent or incandescent lamps.

### 120-277V STANDARD

### PRODUCT APPLICATIONS

Parking Garages  
Gas Stations

Building Canopies

When Specifying Options, Please Check with Factory for Availability and Lead-Time. Any modified product, any selected options added to standard products, deem order non-cancelable and non-returnable. All RMA, Return Material Authorization, must be factory approved.

## ORDERING GUIDE

Sample Part # PGC100 - 24W - 40K - WH - MS - SP

MODEL	WATTAGE	CCT	HOUSING	VOLTAGE	OPTIONS & ACCESSORIES (ORDER SEPERATELY)
PGC100				<b>BLANK</b>	
	24W	40K 4000K	WH White	BLANK 120-277V	MS Motion Sensor (Factory Installed)
	40W	50K 5000K	BZ Bronze		SP Surge Protector 10kV
	56W				
	100W				

## PRODUCT SPECIFICATIONS

Model	Color Temp	Lumens	Watts	Lumens / Watt	Input Current (A)		
					120V	240V	277V
PGC100-24W-40K	4000	3,137	24	131	0.20	0.10	0.09
PGC100-24W-50K	5000	3,149	24	131	0.20	0.10	0.09
PGC100-40W-40K	4000	4,943	40	124	0.33	0.17	0.14
PGC100-40W-50K	5000	5,024	40	126	0.33	0.17	0.14
PGC100-56W-40K	4000	7,002	56	125	0.47	0.23	0.20
PGC100-56W-50K	5000	7,077	56	126	0.47	0.23	0.20
PGC100-100W-40K	4000	12,516	102	123	0.85	0.43	0.37
PGC100-100W-50K	5000	12,708	102	125	0.85	0.43	0.37

# PGC100

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## FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.
- Long-life LEDs provide at least 171,000 hours of operation with at least 70% of initial lumen output (L70).
- Universal 120-277 AC voltage (50-60Hz) is standard. 0-10vdc dimming drivers are standard (except model PGC100-24W).
- Canopy can be surface-mounted or pendant-mounted using electrical conduit.
- Optional, integral Merrytek microwave occupancy/daylight sensor is installed inside the luminaire housing, and provides both on/off and dimming functions.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Die cast aluminum housing, painted white.
- Easy installation in new construction or retrofit.

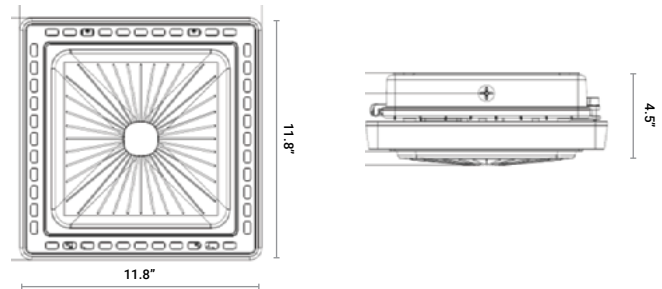
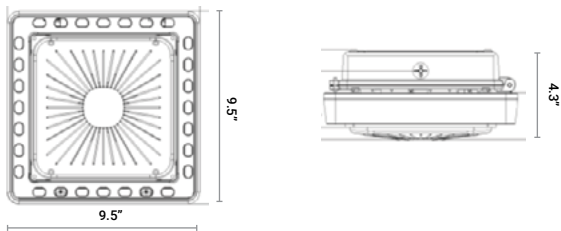
## WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -20°C to 55°C (-4°F to 131°F).
- IP65 rated for ingress protection.
- DLC premium approved (primary use category: Parking Garage Luminaires).
- Complies with FCC Part 15, class B.
- Standard models comply with EN61000-4-5, surge immunity protection (PGC100-24W at 2kV; all other models at 4kV). Optional 10kV surge protector available.
- 5-year warranty on all electronics and housing.

## DIMENSIONS

Model PGC100-24W, PGC100-40W & PGC100-56W

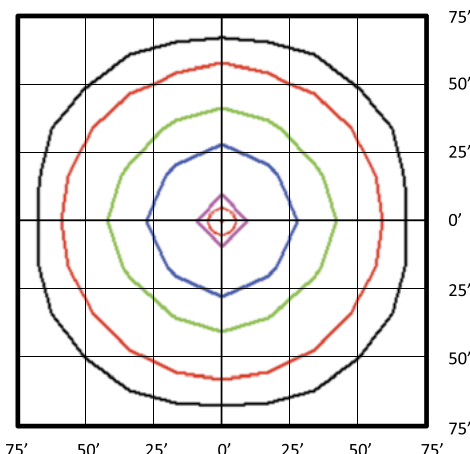
Model PGC100-100W



## PHOTOMETRIC DATA

ISO footcandle plots depict initial foot candles at grade. Gridlines represent units of mounting height of 25 feet.

### PGC100-24W-40K (3,137 LUMENS)



**FOOT CANDLES**  
5.0  
2.0  
1.0  
0.5  
0.2  
0.1

**BUG RATING**  
B2-U2-G1

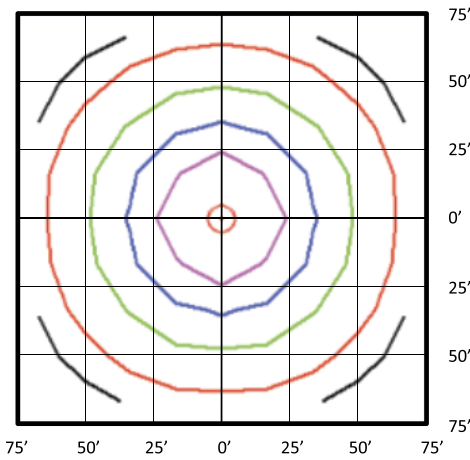
ZONE	LUMENS	%
FL - FRONT - LOW (0 - 30)	236	8%
FM - FRONT - MEDIUM (30 - 60)	773	25%
FH - FRONT - HIGH (60 - 80)	509	16%
FVH - FRONT - VERY HIGH (80 - 90)	40	1%
<b>TOTAL FORWARD LIGHT</b>	<b>1,558</b>	<b>50%</b>
ZONE	LUMENS	%
BL - BACK - LOW (0 - 30)	235	7%
BM - BACK - MEDIUM (30 - 60)	772	25%
BH - BACK - HIGH (60 - 80)	505	16%
BVH - BACK - VERY HIGH (80 - 90)	40	1%
<b>TOTAL BACK LIGHT</b>	<b>1,552</b>	<b>49%</b>
ZONE	LUMENS	%
UL - UPLIGHT - LOW (90 - 100)	14	0%
UH - UPLIGHT - HIGH (100 - 180)	14	0%
<b>TOTAL BACK LIGHT</b>	<b>28</b>	<b>1%</b>
<b>TOTAL LUMENS</b>	<b>3,137</b>	<b>100%</b>

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## PGC100-40W-40K (4,943 LUMENS)



**FOOT CANDLES**

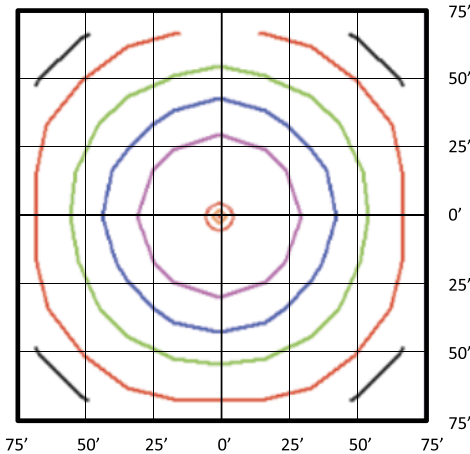


**BUG RATING**

B2-U2-G1

ZONE	LUMENS	%
FL - FRONT - LOW (0 - 30)	373	8%
FM - FRONT - MEDIUM (30 - 60)	1,251	25%
FH - FRONT - HIGH (60 - 80)	773	16%
FVH - FRONT - VERY HIGH (80 - 90)	61	1%
<b>TOTAL FORWARD LIGHT</b>	<b>2,459</b>	<b>50%</b>
ZONE	LUMENS	%
BL - BACK - LOW (0 - 30)	372	8%
BM - BACK - MEDIUM (30 - 60)	1,242	25%
BH - BACK - HIGH (60 - 80)	766	16%
BVH - BACK - VERY HIGH (80 - 90)	61	1%
<b>TOTAL BACK LIGHT</b>	<b>2,441</b>	<b>49%</b>
ZONE	LUMENS	%
UL - UPLIGHT - LOW (90 - 100)	24	0%
UH - UPLIGHT - HIGH (100 - 180)	20	0%
<b>TOTAL BACK LIGHT</b>	<b>43</b>	<b>1%</b>
<b>TOTAL LUMENS</b>	<b>4,943</b>	<b>100%</b>

## PGC100-56W-40K (7,002 LUMENS)



**FOOT CANDLES**

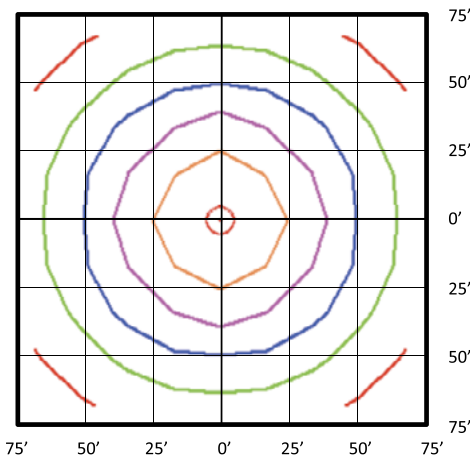


**BUG RATING**

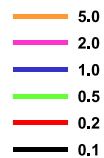
B3-U2-G1

ZONE	LUMENS	%
FL - FRONT - LOW (0 - 30)	528	8%
FM - FRONT - MEDIUM (30 - 60)	1,772	25%
FH - FRONT - HIGH (60 - 80)	1,079	15%
FVH - FRONT - VERY HIGH (80 - 90)	82	1%
<b>TOTAL FORWARD LIGHT</b>	<b>3,461</b>	<b>49%</b>
ZONE	LUMENS	%
BL - BACK - LOW (0 - 30)	520	7%
BM - BACK - MEDIUM (30 - 60)	1,752	25%
BH - BACK - HIGH (60 - 80)	1,124	16%
BVH - BACK - VERY HIGH (80 - 90)	90	1%
<b>TOTAL BACK LIGHT</b>	<b>3,485</b>	<b>50%</b>
ZONE	LUMENS	%
UL - UPLIGHT - LOW (90 - 100)	31	0%
UH - UPLIGHT - HIGH (100 - 180)	24	0%
<b>TOTAL BACK LIGHT</b>	<b>55</b>	<b>1%</b>
<b>TOTAL LUMENS</b>	<b>7,002</b>	<b>100%</b>

## PGC100-100W-40K (12,516 LUMENS)



**FOOT CANDLES**



**BUG RATING**

B3-U3-G2

ZONE	LUMENS	%
FL - FRONT - LOW (0 - 30)	1,073	9%
FM - FRONT - MEDIUM (30 - 60)	3,115	25%
FH - FRONT - HIGH (60 - 80)	1,871	15%
FVH - FRONT - VERY HIGH (80 - 90)	183	1%
<b>TOTAL FORWARD LIGHT</b>	<b>6,241</b>	<b>50%</b>
ZONE	LUMENS	%
BL - BACK - LOW (0 - 30)	1,066	9%
BM - BACK - MEDIUM (30 - 60)	3,087	25%
BH - BACK - HIGH (60 - 80)	1,847	15%
BVH - BACK - VERY HIGH (80 - 90)	182	1%
<b>TOTAL BACK LIGHT</b>	<b>6,182</b>	<b>49%</b>
ZONE	LUMENS	%
UL - UPLIGHT - LOW (90 - 100)	56	0%
UH - UPLIGHT - HIGH (100 - 180)	37	0%
<b>TOTAL BACK LIGHT</b>	<b>93</b>	<b>1%</b>
<b>TOTAL LUMENS</b>	<b>12,516</b>	<b>100%</b>