

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Use for parking garage applications. Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Upper housing: Rugged, die-cast aluminum housing with one-piece silicone gasketing. Lower assembly: Precision injection-molded, UV stabilized, acrylic. Hinged and secured with four stainless steel screws. Polycarbonate available.

US Patent no. D402,075. Canada Patent No. 86779.

Finish: Standard finish is white corrosion-resistant polyester powder-paint; other finishes include dark bronze, black, natural aluminum and charcoal gray.

**OPTICS** — Vertically lamp optical system with lower semi-specular faceted vacuum metalized aluminum reflector and upper precision injection-molded, prismatic acrylic refractor. Polycarbonate refractor and downlight focused options available.

**ELECTRICAL** — Ballast: High pressure sodium ballast is high-reactance, high power factor. 50-150W MH ballasts are high-reactance, high power factor and are standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175W MH (CSA, NOM or INTL required for shipments outside the U.S.) Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 175W MH (SCWA option) for U.S. shipments only. Pulse start ballasts are required for 200W MH. Ballast is 100% factory-tested. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired.

Socket: Medium-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse-rated.

**INSTALLATION** — Quick-mount plate is galvanized steel with full pad gasket and has integral mounting support that allows fixture to hinge down for easy electrical connections. Mounts to recessed or surface mount outlet box. Fixture secures in place with twist-lock motion. Mounting options include yoke mount and offset junction box for use with rigid or free-swinging 3/4" NPT (by others). See Installation Instructions for details.

**LISTINGS** — Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). UL listed for 25°C ambient and wet locations. 40°C high ambient (HA) option available. *Note: Specifications subject to change without notice.*

Catalog Number
Notes
Type



### Parking Garage Lighting

# PGR

Metal Halide: 50-200W

High Pressure Sodium: 70-150W

8' to 15' Mounting

#### Specifications

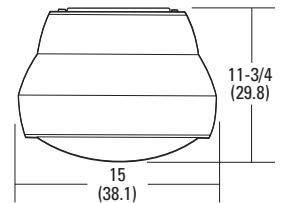
Height: 11-3/4 (29.8)

Width: 15 (38.1)

\*Weight: 20 lbs (9.0 kg)

\*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.



### ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

**Example: PGR 100M TB LPI**

PGR	Series	Wattage	Voltage	Ballast	Mounting	Options	Finish	Lamp <sup>20</sup>	
PGR	<b>Metal halide</b>	120		<b>(blank)</b> Magnetic	<b>Shipped installed</b>	<b>Shipped installed in fixture</b>	<b>CSA</b> Listed and labeled to comply with Canadian standards	<b>(blank)</b> White	<b>LPI</b> Lamp included
	50M <sup>1</sup> <b>150M</b>	208 <sup>5</sup>		CWI Contant wattage isolated	<b>(blank)</b> Surface mount	<b>SF</b> Single fuse <sup>10</sup>	DDB Dark bronze	<b>L/LP</b> Less lamp	
	70M <sup>1</sup> <b>175M<sup>2</sup></b>	240 <sup>5</sup>			<b>Shipped separately<sup>8</sup></b>	<b>DF</b> Double fuse <sup>10</sup>	DBL Black	<b>LP</b> Lamp factory installed	
	<b>100M<sup>1</sup></b> 200M <sup>3</sup>	<b>277</b>		<b>Pulse Start</b> <b>E</b>	<b>OJB</b> Offset junction box <sup>9</sup>	<b>EC</b> Emergency circuit <sup>11,12</sup>	DNA Natural aluminum		
	<b>Ceramic metal halide<sup>4</sup></b>	<b>347</b>		<b>SCWA</b> Super CWA pulse-start ballast	<b>YK</b> Yoke mount	<b>QRS</b> Quartz restrike system <sup>11,12</sup>	DGC Charcoal gray		
	50MHC <sup>1</sup> 100MHC <sup>1</sup>	480 <sup>5,6</sup>		<b>Note:</b> For shipments to U.S. territories, SCWA must be specified to comply with EISA.		<b>QRSTD</b> Quartz restrike time delay <sup>11,12,13</sup>	CR Enhanced corrosion resistance		
	70MHC <sup>1</sup> 150MHC	<b>TB<sup>7</sup></b>				<b>FRS</b> Fluorescent restrike system <sup>11,12,14,15</sup>	CRT Non-stick protective coating <sup>19</sup>		
	<b>High pressure sodium<sup>1</sup></b>	23050HZ <sup>2</sup>				<b>HA</b> 40°C ambient <sup>15</sup>			
	70S 150S					<b>KW1</b> KiloWatch® 120V control relay <sup>16</sup>			
	100S					<b>KW4</b> KiloWatch® 277V control relay <sup>16</sup>	<b>BDS</b> Bird deterrent shroud (for use with rigid conduit, OJB, BDSYK for yoke)		
					<b>DN</b> Downlight focused <sup>17</sup>				
					<b>FLR</b> Frosted lower lens				
					<b>HS</b> House side glare shield <sup>18</sup>				
					<b>HSR</b> House side glare shield ready <sup>18</sup>				
					<b>TP</b> Tamper-resistant lens screws				
					<b>PC</b> Polycarbonate refractor/lower housing/lens				

#### Notes

- Not available with SCWA.
- These wattages do not comply with California Title 20 regulations.
- Requires SCWA pulse start ballast.
- Not available with L/LP.
- Must specify CWI for use in Canada.
- Consult factory for availability.
- Optional multi-tap ballast (120, 208, 240, 277, 347 for Canada).
- May be ordered as an accessory. Must specify finish. Prefix with PGR (ie PGR YKU).
- Required with pendant is free-swinging. OJB accepts 3/4" pipe thread.
- Not available with TB. Must specify voltage.
- Maximum allowable wattage lamp included.
- QRS, QRSTD, EC and FRS are not available together.
- Not available with KiloWatch.
- Includes 2/42TRT lamps. Activated when power is restored after interruption.
- Available with 175M SCWA only.

16 For specific ordering information, see KiloWatch brochure, Form No. 720.146 or consult factory. Available with 150S, 175M and 200M only.

17 Not available with FRS, HA or HS option.

18 Not available with HA or DN option.

19 Black finish only.

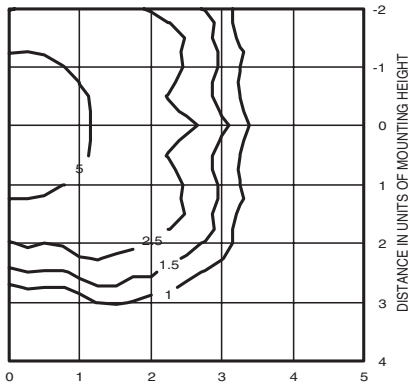
20 Must be specified.

# PGR Parking Garage Lighting

## PHOTOMETRICS

**PGR 150S** TEST NO: LTL12888

ISOILLUMINANCE PLOT (Footcandle)



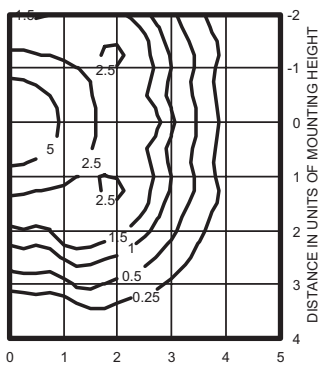
150W high pressure sodium lamp  
Footcandle values based on 9'  
mounting height

COEFFICIENTS OF UTILIZATION

pf	20%												
	50%			30%			10%			0%			
pc													
pw	30%	10%	0%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	87	87	87	81	81	81	75	75	75	73			
1	65	62	60	64	61	58	59	57	55	52			
2	50	44	42	51	46	42	47	43	39	36			
3	39	33	30	42	36	31	38	33	29	26			
4	31	26	23	35	29	24	32	27	23	20			
5	26	20	18	31	24	19	28	22	18	16			
6	22	17	15	27	21	16	25	19	15	13			
7	19	14	12	24	18	13	22	17	13	10			
8	17	12	10	22	16	12	20	15	11	09			
9	15	11	09	20	14	10	19	13	09	08			
10	14	09	08	19	13	09	17	12	08	07			

**PGR 175M (PULSE START)** TEST NO: LTL12833P

ISOILLUMINANCE PLOT (Footcandle)



175W lamp, horizontal lamp orientation  
Footcandle values based on 12'  
mounting height, 17500 rated lumens.  
Luminaire Efficiency: 82.9%

COEFFICIENTS OF UTILIZATION

pf	20%													
	80%				50%			30%			10%		0%	
pc														
pw	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	96	96	96	96	86	86	86	80	80	80	74	74	74	72
1	84	78	74	69	70	66	63	64	61	59	60	57	55	52
2	73	64	56	50	56	51	46	52	47	43	47	44	40	37
3	64	53	44	38	47	40	34	43	37	32	39	34	30	27
4	58	45	36	29	40	32	27	36	30	25	33	28	23	21
5	52	39	30	24	34	27	22	31	25	20	29	23	19	17
6	48	35	26	20	30	23	18	28	21	17	25	20	16	13
7	44	31	22	17	27	20	15	25	19	14	23	17	13	11
8	40	28	20	14	24	18	13	22	17	12	21	15	11	10
9	38	25	18	12	22	16	11	21	15	11	19	14	10	08
10	35	23	16	11	21	14	10	19	13	10	17	13	09	07

### Notes

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting website ([www.Lithonia.com](http://www.Lithonia.com)).
- 2 For electrical characteristics, consult outdoor technical data specification sheets on [www.Lithonia.com](http://www.Lithonia.com).
- 3 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change.