

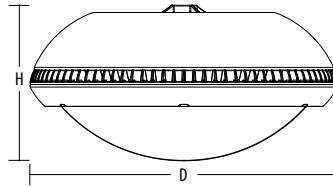


# PGX LED Parking Garage



## Specifications

<b>Diameter:</b>	16" (40.6 cm)
<b>Height:</b>	8" (20.3 cm)
<b>Weight (max):</b>	25 lbs (11.3 kg)



Catalog  
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The PGX LED luminaire is designed to provide visual comfort, energy savings, and long life. Its prismatic borosilicate glass lens delivers optimal visual comfort, superior photometric control, and no discoloration over the life of the luminaire. The PGX LED delivers up to 86% in energy savings when replacing 175W metal halide luminaires. With over a 100,000 hour life expectancy (12+ years of 24/7 continuous operation), the PGX LED luminaire provides significant maintenance savings over traditional luminaires.

## Ordering Information

EXAMPLE: PGX LED P1 40K T5M MVOLT PM DWHXD

PGX LED	Package	Color temperature	Distribution	Voltage	Mounting	Options	Finish (required)
PGX LED	P1 P2 P3 <sup>1,2</sup> P4 <sup>2</sup> P5 <sup>2</sup>	30K 3000 K 40K 4000 K 50K 5000 K	T5M Type V, medium T5R Type V, rectangular	MVOLT <sup>3</sup> 120 <sup>3</sup> 208 <sup>3</sup> 240 <sup>3</sup> 277 <sup>3</sup> 347 <sup>4</sup> 480 <sup>5</sup>	<b>Shipped included</b> PM Pendant mount standard <sup>6</sup> (36-inch length supply leads) SRM Surface mount <sup>7</sup> (12-inch length supply leads) <b>Shipped separately</b> YK Yoke/trunnion mount <sup>7</sup>	<b>Shipped installed</b> SF Single fuse (120, 277, 347V) <sup>5,8</sup> DF Double fuse (208, 240, 480V) <sup>5,8</sup> DMG 0-10V dimming driver (no controls) <sup>9</sup> PIR Motion/ambient sensor for 8-15' mounting heights <sup>10</sup> PIRH Motion/ambient sensor for 15-30' mounting heights <sup>10</sup> PIR3FC3V Motion/ambient sensor for 8-15' mounting heights and for typical applications requiring daylight harvesting and Title 24 compliance <sup>10</sup> PIR3FC3V Motion/ambient sensor for 15-30' mounting heights and typical applications requiring daylight harvesting and Title 24 compliance <sup>10</sup> PIR3FC3V924 Motion/ambient sensor for emergency circuits for 8-15' mounting heights <sup>11,12</sup> PIR3FC3V924 Motion/ambient sensor for emergency circuits for 15-30' mounting heights <sup>11,12</sup> XAD XPoint™ Wireless enabled <sup>13</sup> XAD924 XPoint™ Wireless enabled for emergency circuit <sup>11,13</sup> XAD PIR XPoint™ Wireless enabled motion/ambient sensor for 8-15' mounting heights <sup>12</sup> XAD PIRH XPoint™ Wireless enabled motion/ambient sensor for 15-30' mounting heights <sup>12</sup> XAD924 PIR XPoint™ Wireless enabled motion/ambient sensor for emergency circuits for 8-15' mounting heights <sup>11,12</sup> XAD924 PIRH XPoint™ Wireless enabled motion/ambient sensor for emergency circuits for 15-30' mounting heights <sup>11,12</sup> ELCW Emergency battery backup -20°C <sup>14</sup> E7W Emergency battery backup, low power <sup>14</sup>	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze

## Accessories

Ordered and shipped separately.

PGXYK DWHXD U	Yoke/trunnion accessory, (specify finish)
PGXBDS DWHXD U	Bird shroud for PM, (specify finish) <sup>15</sup>
PGXSRM U	Surface mount kit
PGXBDS YK DWHXD U	Bird shroud for yoke/trunnion mount, white (specify finish) <sup>15</sup>
PGXWG U	Wire guard

## NOTES

- Not available with 347 voltage.
- Max ambient temperature 30°C.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240, or 277 options for only when ordering with fusing.
- Not available with P3 package.
- Not available with ELCW, E7W, XAD, and XAD924 options.
- Compatible with 3/4" NPT pendant stem, provided by others.
- Also available as a separate accessory, see Accessories information. SRM not available with E7W
- Single fuse (SF) requires 120, 277, or 347V voltage option. Double Fuse (DF) requires 208, 240, or 480V option. Double fuse not available with P5.
- DMG not available with all PIR or XAD options.
- PIR & PIR3FC3V specifies the Acuity Controls **SBOR 10 ODP** motion/ambient sensor, the PIRH & PIRH3FC3V specifies the Acuity Controls **SBOR 6 ODP** motion/ambient sensor. Not available with SF, DF, or BDS options. Not available with yoke/trunnion mount.

- All 924 devices specify the Acuity Controls XPA RL1 DSI EM XPoint Wireless light controller as a UL924 listed device for emergency lighting.
- XAD PIR specifies the Acuity Controls **XPA SBOR10** wireless controller, the XAD924 PIR and PIR3FC3V924 specify the Acuity Controls XPA SBOR10 EM wireless controller, the XAD PIRH specifies the Acuity Controls **XPA SBOR6** wireless controller, and the XAD924 PIRH and PIRH3FC3V924 specify the XPA SBOR6 EM wireless controller. Available in layouts up to 30'. Not available with 347V or 480V. Not available with fusing.
- Dimming driver standard. Available in layouts up to 30'. Not available with 347V or 480V. Not available with fusing. Not available with P5.
- Not available with SF, DF, BDS, 347V or 480V options. Not available with yoke/trunnion mount. Not available with XAD or XAD924; use XAD PIR, XAD PIRH, XAD924 PIR or XAD924 PIRH. 30°C max ambient temperature.
- Not available with ELCW or E7W.



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	30W	T5M	3,613	2	3	1	120	3,795	2	3	1	126	3,766	2	3	1	126
		T5R	3,451	2	3	2	115	3,624	2	3	2	121	3,597	2	3	2	120
P2	47W	T5M	5,015	2	3	2	112	5,267	2	3	2	107	5,225	2	3	2	111
		T5R	4,790	3	3	3	107	5,031	3	3	3	102	4,991	3	3	3	106
P3	54W	T5M	7,149	3	3	2	132	7,383	3	3	2	137	7,495	3	3	2	139
		T5R	6,842	3	3	3	127	7,066	3	3	3	131	7,173	3	3	3	133
P4	85W	T5M	9,653	3	3	2	114	9,969	3	3	2	117	10,119	3	3	2	119
		T5R	9,238	3	3	3	109	9,541	3	3	3	112	9,685	3	3	3	114
P5	114W	T5M	11,303	3	3	2	99	11,797	3	3	2	103	11,850	3	3	2	104
		T5R	10,818	3	3	3	95	11,172	3	3	3	98	11,341	3	3	3	99

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.05
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1
30°C	86°F	0.99
40°C	104°F	0.96

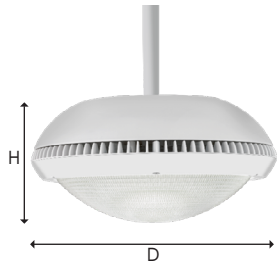
### Projected LED Lumen Maintenance

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.97	0.95	0.90

### Electrical Load

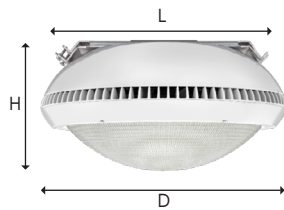
Package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	30W	0.26	0.15	0.13	0.11	0.09	0.07
P2	47W	0.38	0.23	0.2	0.18	0.14	0.11
P3	54W	0.46	0.27	0.24	0.21	0.16	0.13
P4	85W	0.70	0.43	0.38	0.34	0.26	0.22
P5	114W	0.96	0.56	0.50	0.42	0.34	0.27

## Mounting, Options & Accessories



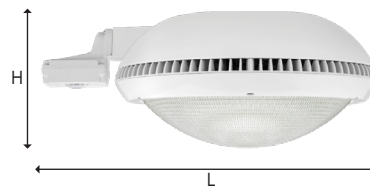
**PM - Pendant Mount**  
(compatible with 3/4 NPT, pendant stem provided by others)

D= 16" (40.6 cm)  
H= 8" (20.3 cm)



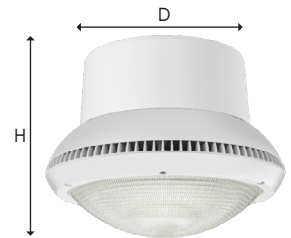
**SRM - Surface Mount**

D= 16" (40.6 cm)  
H= 8 1/5" (21.6 cm)  
L= 13-1/2" (34.3 cm)



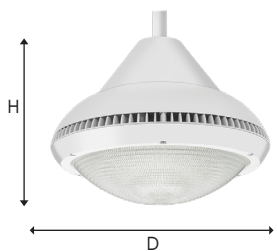
**PIR360SS & PIRH360SS - Motion/ambient sensor**  
**XAD(N) PIR360SS & XAD(N)PIRH360SS- XPoint wireless enabled motion sensor**

L= 20-1/4" (51.4 cm)  
H= 8" (20.3 cm)



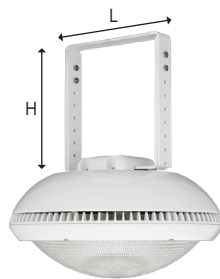
**ELCW or E7W - Emergency battery backup**

H= 13" (33.0 cm)  
D= 11" (27.9 cm)



**PGXBDS (specify color) U**  
**Bird shroud for pendant mount**

D= 16" (40.6 cm)  
H= 20.75" (52.7 cm)



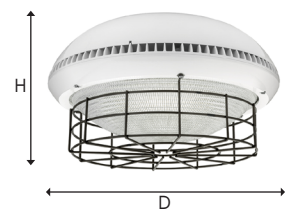
**PGXYK (specify color) U**  
**Yoke/trunnion mount**

L= 9" (22.8cm)  
H= 10"-18" (25.4cm-45.7cm)



**PGXBDS YK (specify color) U**  
**Bird shroud for yoke/trunnion mount**

L= 9" (22.8cm)  
H= 10"-18" (25.4cm-45.7cm)



**PGXWG U**  
**Wire Guard**

D= 16" (40.6 cm)  
H= 9" (22.88 cm)



## FEATURES & SPECIFICATIONS

### INTENDED USE

The visual comfort, energy savings, and long life of the PGX LED Parking Garage luminaire is an ideal choice for new commercial installations and retrofit parking garage opportunities. It is designed to meet or exceed recommended illuminance criteria when installed as a direct replacement of most HID parking garage luminaires.

### CONSTRUCTION

The PGX LED luminaire's die-cast housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperatures and long life. The housing is completely sealed against moisture and environmental contaminants (IP66) and is suitable for hose-down application.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

### OPTICS

The PGX LED delivers optimal performance with superior visual comfort with its specially designed borosilicate glass lens. It withstands the elements without any discoloration over time. The chip on board (COB) technology delivers performance in 3000K, 4000K, or 5000K configurations, with a 70 CRI minimum. The PGX LED has multiple optical distributions tailored to meet or surpass illuminance requirements for your parking garage applications.

### ELECTRICAL

COBs were designed and specially mounted to the housing to maximize heat dissipation and promote long life (L83/100,000 hrs). Each COB uses a Class 2 electronic driver with a power factor >90%, THD <20%, and an expected life of 100,000 hours. 10kV (5kA) surge protection is standard on all units, which meets a minimum Category C low operation (per ANSI./IEEE C62.41.2).

### INSTALLATION

The PGX LED has multiple mounting options tailored to diverse parking garage applications. For pendant mount applications, the PGX LED accepts a rigid or free-swinging 3 / 4" NPT stem (provided by others). For surface mount needs, the PGX LED mounts using a universal, high galvanized steel, quick mount kit for up to a 4"x4" recessed or surface mount junction box. The surface mount has an integral mounting support that allows the luminaire to hinge down for quick and easy electrical connections. Luminaire and surface mount are secured with screws. Also available with a yoke/trunnion mount, adjustable mounting heights from 10"-18". PGX LED supply leads are 12" in length as standard; for longer supply leads, please consult factory.

### LISTINGS

CSA certified to U.S. and Canadian standards. IP66 rated for outdoor applications. Rated for -40°C minimum ambient conditions.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

**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. Specifications subject to change without notice.