



PGX LED Parking Garage

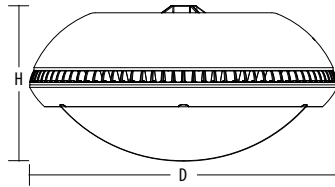


Specifications

Diameter: 16"
(40.6 cm)

Height: 8"
(20.3 cm)

Weight (max): 25 lbs
(11.3 kg)



A+ Capable options indicated by this color background.

Catalog
Number

Notes

Type

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

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL[®] controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM[®]X Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

Ordering Information

EXAMPLE: PGX LED P1 40K T5M MVOLT PM DWHXD

PGX LED					
Series	Package	Color temperature	Distribution	Voltage	Mounting
PGX LED	P1 P2 P3 ^{1,2} P4 ² P5 ²	30K 3000 K 40K 4000 K 50K 5000 K	T5M Type V, medium TSR Type V, rectangular	MVOLT ^{3,4} 120 ^{3,4} 208 ^{3,4} 240 ^{3,4} 277 ^{3,4} 347 ^{4,5,6} 480 ^{4,6}	Shipped included PM Pendant mount standard ⁷ (36-inch length supply leads) SRM Surface mount ^{8,9} (12-inch length supply leads) Shipped separately YK Yoke/trunnion mount ^{6,8}

Options	Finish (required)
Shipped installed SF Single fuse (120, 277, 347V) ^{4,6} DF Double fuse (208, 240, 480V) ^{4,6,10} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹¹ PIR Motion/ambient sensor for 8-15' mounting heights ¹² PIRH Motion/ambient sensor for 15-30' mounting heights ¹² PIR3FC3V Motion/ambient sensor for 8-15' mounting heights and for typical applications requiring daylight harvesting and Title 24 compliance ¹² PIRH3FC3V Motion/ambient sensor for 15-30' mounting heights and typical applications requiring daylight harvesting and Title 24 compliance ¹²	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze
NLTAIR2 PIR nLight AIR enabled motion/ambient sensor for 8-15' mounting heights NLTAIR2 PIRH nLight AIR enabled motion/ambient sensor for 15-30' mounting heights ELCW Emergency battery backup -20°C, CEC compliant ¹³ E7W Emergency battery backup, low power, non CEC compliant ^{13,14}	



Ordering Information Cont.

Accessories

Ordered and shipped separately.

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

NOTES

- P3 not available with 347 voltage.
- Not available with E7W. Max ambient temperature 30°C.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available with P3 package.
- Not available with ELCW, E7W 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
- Double fuse not available with P5.

- DMG not available with all PIR options.
- Reference Motion Sensor table.
- ELCW, E7W not available with SF, DF, BDS, 347V or 480V options. Not available with yoke/trunnion mount. 30°C max ambient temperature.
- Cannot be used in California. Not qualified under CEC T20 requirements. E7W not available with P3, P4 or P5.
- Not available with ELCW or E7W.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

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

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR3FC3V or PIRH3FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 3FC	3 sec	5 min	5 min

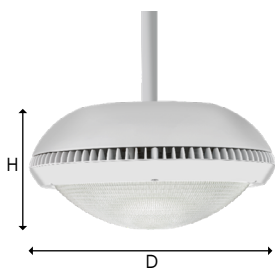
*for use with Inline Dusk to Dawn or timer

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.

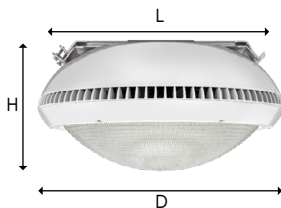
Performance Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	30W	T5M	3,613	2	3	1	120	3,795	2	3	1	126	3,766	2	3	1	126
		T5R	3,451	2	3	2	115	3,624	2	3	2	121	3,597	2	3	1	120
P2	47W	T5M	5,015	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	7,148	3	3	2	132	7,383	3	3	2	137	7,495	3	3	2	139
		T5R	6,841	3	3	3	127	7,066	3	3	3	131	7,172	3	3	3	133
P4	85W	T5M	9,652	3	3	2	114	9,968	3	3	2	117	10,119	3	3	2	119
		T5R	9,237	3	3	3	109	9,540	3	3	3	112	9,684	3	3	3	114
P5	114W	T5M	11,302	3	3	2	99	11,796	3	3	2	103	11,849	3	3	2	104
		T5R	10,817	3	3	3	95	11,171	3	3	3	98	11,340	3	3	3	99





PM – Pendant Mount
(compatible with ¾ NPT, pendant stem provided by others)

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



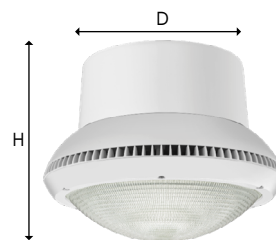
SRM – Surface Mount

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



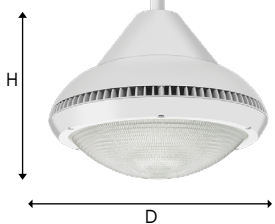
PIR & PIRH – Motion/ambient sensor
NLTAIR2 PIR, NLTAIR2 PIRH, - nLightAIR wireless motion sensor

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



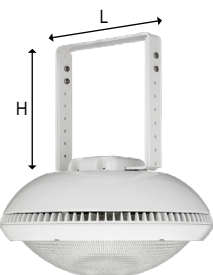
ELCW or E7W – Emergency battery backup

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



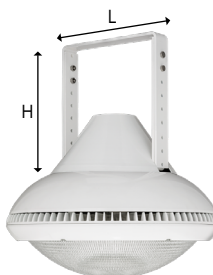
PGXBDS (specify color) U
Bird shroud for pendant mount

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



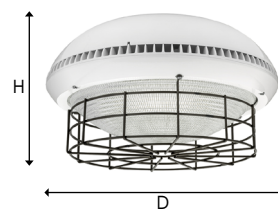
PGXYK (specify color) U
Yoke/trunnion mount

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/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.