



PG Series

High Performance LED Emergency Lighting

Indoor/Outdoor Wall Sconce

AUTHENTIC LIFE SAFETY PRODUCTS SINCE 1940



PG Series >>>



PGN



PG

Innovative LED Emergency Lighting

Dual-Lite is proud to introduce the PG Series of high performance LED emergency lighting. The PG Series addresses the demand for code compliant emergency lighting coupled with the benefits of advanced solid state lighting technology. Sleek architectural design and contemporary elegance blend well in both indoor and outdoor surroundings. Models are available as traditional “normally off” emergency only fixtures as well as dual purpose “normally on” and normally off” models.





Performance

Incorporating high output white LEDs to provide long life and low energy maintenance free operation. Unique reflector and lens design deliver wide uniform illumination on the path of egress.



Aesthetics

Low profile design of just over 3” and a choice of finishes, the PG Series complements any architectural style by blending into the building design.

Versatility

The PG Series operates in normal and emergency conditions, and can be installed indoors or outdoors without concern for temperature extremes.



PG LED Emergency >>>

LED based emergency fixture illuminates only in emergency mode. The PG is “Normally Off” designed to provide path of egress illumination upon loss of AC power. The PG comes standard with a nickel-cadmium battery pack, electronic charger and sensing circuitry and Spectron® self-diagnostic/self-testing module. The die-cast aluminum housing provides a low profile vandal resistant appearance. Gasketing and thermostatically controlled battery heater enable wet location outdoor operation.



Normal Operation



Emergency Operation





Innovative High Output LED Driver and Optics

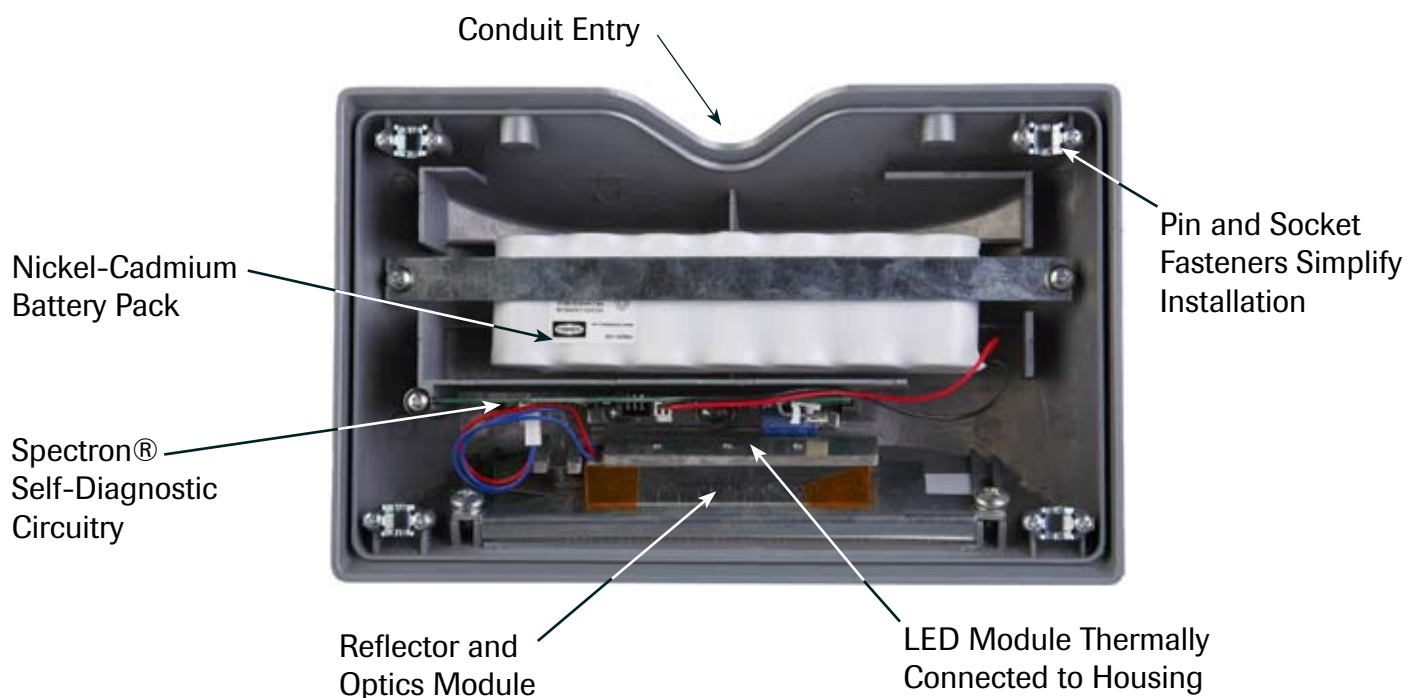
The PG LED emergency fixture utilizes a custom designed LED driver and optics package with 4 high output LEDs. In the unlikely event of any 1 LED failure the other LEDs will remain illuminated. Reflector and lens produce a superior uniform illumination pattern for path of egress applications.

Indoor or Outdoor Application

The PG LED emergency fixture is constructed of rugged die-cast aluminum and offers easy installation via the J-Box template on the back plate or by use of a threaded conduit entry. The fixture is sealed with a neoprene back plate gasket, silicone housing gasket and listed to UL 924 Wet Location standards.

Key Features

- Spectron self-diagnostic/self-testing circuitry
- Maintenance-free nickel-cadmium battery
- 120/277VAC input
- Manually activated 1 min. or 90 min. test
- Time delay retransfer
- Brownout detection
- Long-life energy efficient LEDs
- Cool white 6350K LEDs
- Optional heater for cold weather environments



PGN LED Sconce >>>

The PGN is a dual purpose luminaire operating as a “Normally On” sconce and emergency fixture upon loss of normal power. The fixture operates on utility AC for normal lighting and can be switched on/off via a photo cell, time clock or wall switch. It offers the additional advantage of operating as an emergency fixture powered from a remote source to provide emergency illumination in the event of a utility power outage. Unlike the PG model, the PGN is not supplied with an integral battery since its emergency power comes from an external source.



Normal Operation



Emergency Operation





Innovative High Output LED Driver and Optics

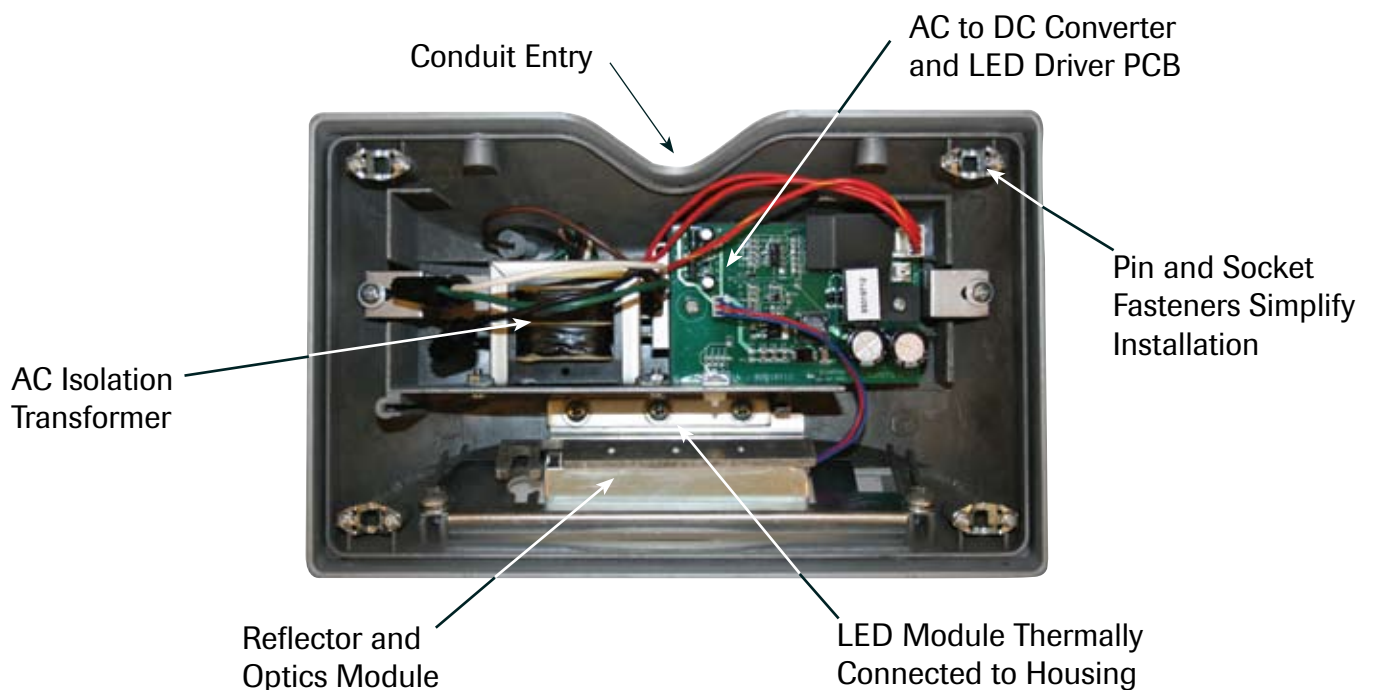
The PGN LED scone utilizes a custom designed AC to DC converter, LED driver and optics package with 4 high output LEDs. In the unlikely event of any 1 LED failure the other LEDs will remain illuminated. Reflector and lens produce a superior uniform illumination pattern for path of egress applications.

Indoor or Outdoor Application

The PGN LED scone is constructed of rugged die-cast aluminum and offers easy installation via the J-Box template on the back plate or by use of a threaded conduit entry. The fixture is sealed with a neoprene back plate gasket, silicone housing gasket and listed to UL 924 Wet Location standards.

Key Features

- 6 - 12V DC input from external source
- 120/277VAC input
- LED lamp life of 48,000 hours
- Transient surge protection
- Uses only 17 watts in normal AC mode
- Long-life energy efficient LEDs
- Neutral white 4000K LEDs
- Includes full cut-off shield
- Extended temperature range of -30°C to 50°C (-22°F to 122°F)



PG Series >>>

The Life Safety Code (NFPA 101) calls for initial illumination of the egress pathway using an emergency lighting source that is an average of 1 footcandle and at no point less than .1 footcandle.

Specific designated egress pathways are targeted for illumination - stairs, corridors, ramps, escalators, walkways, and exit passageways. These designated egress pathways, along with appropriate directional egress markings (exit signage), are intended to safely guide and direct building occupants to the "public way". The NFPA 101 Para.3.3.193 defines "public way" as: "A street, alley, or other similar parcel of land essentially open to the outside air deeded, dedicated, or otherwise appropriated to the public, for public use and having a clear width and height of not less than 10ft (3050 mm)".

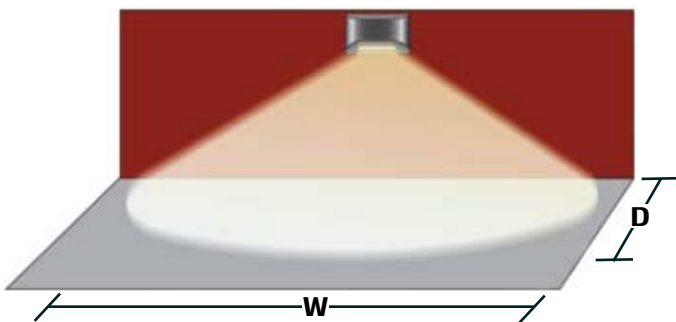
The PG Series of emergency lighting is designed to meet or exceed all of the criteria for NFPA 101 pertaining to Path of Egress illumination. The single unit area coverage at the path of egress provides a code compliant uniform illumination pattern. The multiple unit spacing is best in class for this type product.



PG LED Emergency

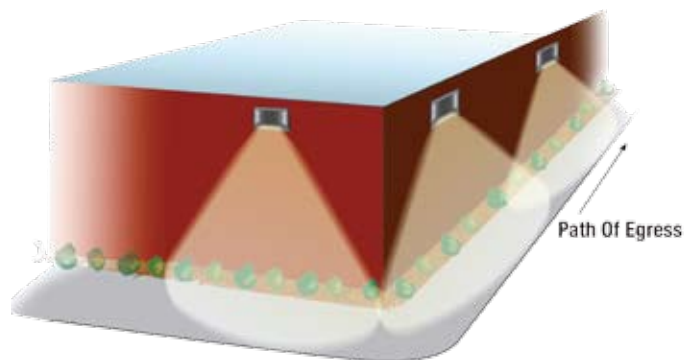
Single Unit Coverage

Mounting Height: 9'
Outdoor Reflectance: 0/30/10
Indoor Reflectance: 80/50/20



Multiple Unit Spacing

Mounting Height: 9'
Illuminated Path Depth: 6'
Outdoor Reflectance: 0/30/10
Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average (W x D)	33' X 10'	27' X 10'
1 FC Minimum (W x D)	10' X 10'	9' X 10'

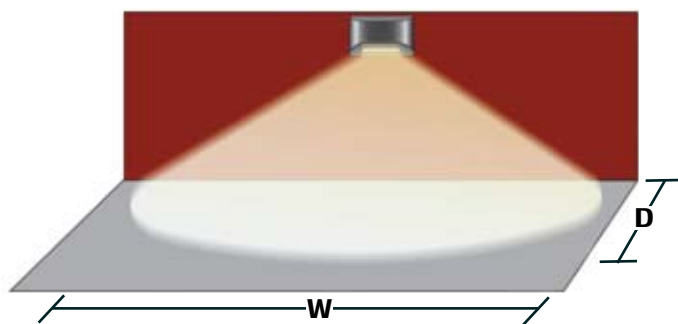
	Indoor	Outdoor
1 FC Average	44'	33'
1 FC Minimum	16'	15'



PGN LED Sconce

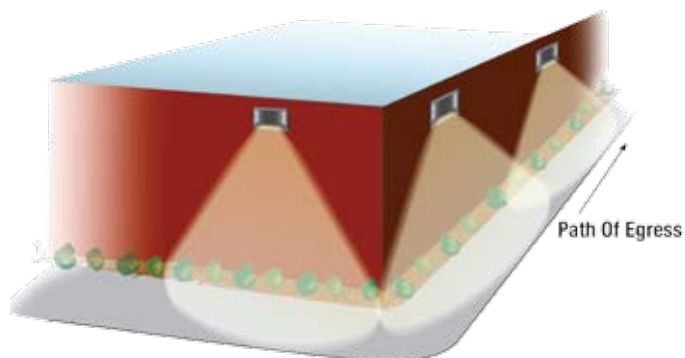
Single Unit Coverage

Mounting Height: 9'
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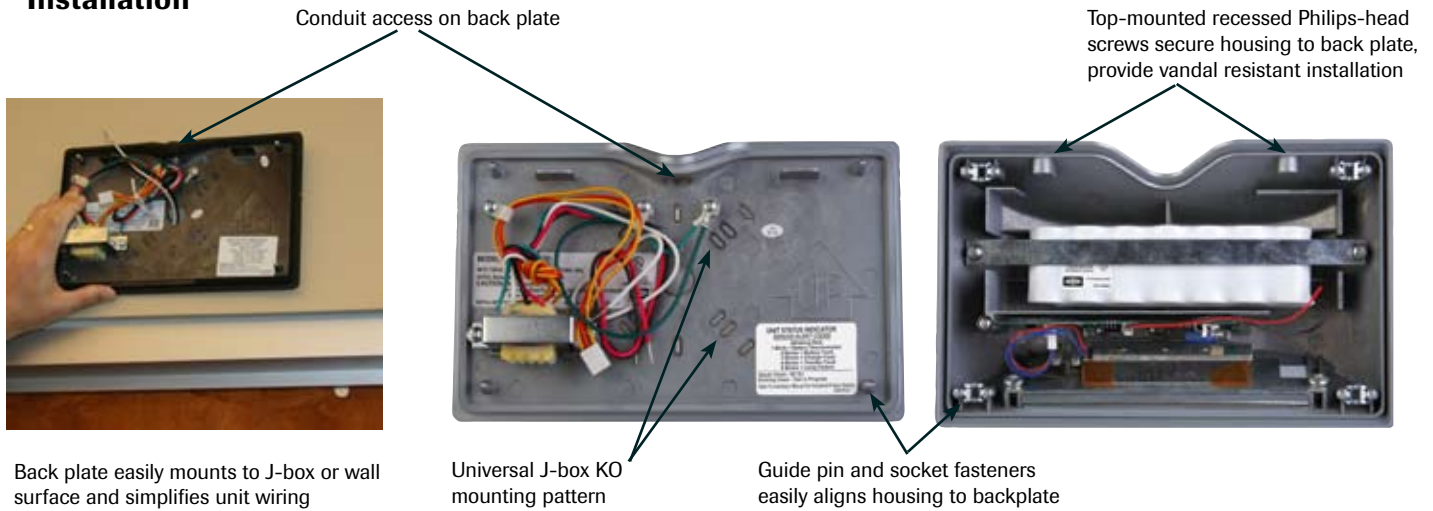


	Indoor	Outdoor
1 FC Average (W x D)	35' X 10'	29' X 10'
1 FC Minimum (W x D)	11' X 10'	10' X 10'

	Indoor	Outdoor
1 FC Average	49'	37'
1 FC Minimum	19'	16'

▶▶▶ PRODUCT FEATURES

Installation



Operating Temperature Range

	°C	°F
PG Model Without Battery Heater	0° to 50°	32° to 122°
PG Model With Battery Heater	-30° to 50°	-22° to 122°
PGN Model (No Internal Battery)	-30° to 50°	-22° to 122°

Power Consumption

PG Model:

Without Battery Heater	With Battery Heater
2.8 W @ 120VAC	15.2 W @ 120VAC
2.9 W @ 277VAC	15.7 W @ 277VAC
Power Factor: Average .80 (lagging)	

PGN Model:

"Normally On" AC Mode	DC Emergency Mode
17W @ 120VAC	12W @ 6VDC,
17W @277VAC	13W @12VDC
Power Factor: Average .80 (lagging)	

Compliance

- UL 924 Wet Location Listed
- NFPA 101 (Life Safety Code) Compliant
- NFPA 70 (National Electrical Code) Compliant
- Complies with State and Local codes



StarView™
compliant

**PATENTS
PENDING**



Warranty

PG and PGN Models:
3 years full on unit, electronics and battery



ORDERING INFORMATION

SERIES

PG - LED Emergency
PGN - LED Sconce ⁽¹⁾

FINISH

W - White
Z - Dark Bronze
P - Platinum Silver
B - Black

OPTIONS

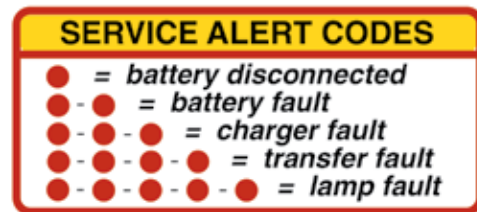
Blank - None
-HTR - Battery Heater for PG Models only

⁽¹⁾ Full cut-off shield supplied standard on all PGN models

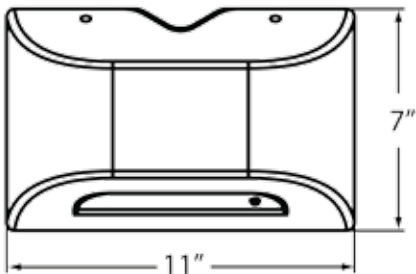


SPECTRON® CIRCUITRY

Supplied standard on all PG models. Self-test/self-diagnostic circuitry for added reliability and easy maintenance. Every performance factor is tested automatically: AC power, battery condition, LED circuit and transfer capability. If a fault occurs an easily visible status indicator alerts service personnel



DIMENSIONS





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