

PGS-1 TURTLE SAFE LED Specifications



Project Name:

Catalog Number:

Type:

The new PGS LED luminaire from Visionaire combines contemporary design with new LED technology; while maintaining a traditional architectural fixture image. The LEDs Performance and Life are maximized by the unique integral aluminum heat sink. It is an ideal replacement for the high-maintenance HID fixtures of yesterday.

The LED housing is spun aluminum; with either 16, 32 or 48 LEDs. Mounting options include Yoke Mount, Arm Mount, Knuckle Mount or Wall Mount and a Universal Bolt-On Arm Mount. The Arm Mount is available with either a Quick Mount Pole Adaptor; or a Universal Quick Mount Pole Adaptor for retrofitting existing poles.

Eight optical distribution patterns are available.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The PGS LED series is an exceptional choice for universities, shopping centers, parks and recreational areas; and general site lighting.

Ordering Information

MODEL	OPTICS	LEDs	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
PGS-1	T1 Type 1	16LC 32LC 48LC	3 350mA	TS Turtle Safe 590nm	UNV 120-277V	AM Arm Mount	BZ Bronze	PCR-120 PCR-208 PCR-240 PCR-277 PCR-480 Photocell & Receptacle	RPP Round Pole Plate Adaptor
	T2 Type 2		5 530mA		8 347V				
	T3 Type 3				5 480V	YM Yoke Mount	SBK Smooth Black	ROT-L Rotated Optics Left Side	
	T4 Type 4					KM Knuckle Mount	WH White	PER 3 Pin Photo Receptacle w/shorting cap	CLS Back Side Cutoff Louver Shield
	T5 Type 5					UBOA Universal Bolt-On Arm Mount	SWH Smooth White	5PINPER 5 Pin Photo Receptacle w/shorting cap Requires Dimming Driver	
	T5W Type 5 Wide					Round Pole Plate Adaptors (RPP) are to be ordered separately.	GP Graphite	7PINPER 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver	
	T5WR Type 5 Wide Round						GY Grey	WSC-8 Motion Sensor 8' Mounting Height WSC-20 Motion Sensor 9-20' Mounting Height WSC-40 Motion Sensor 21-40' Mounting Height This option will require (1) FSIR 100 remote for programming	
							SL Silver Metallic	CC Custom Color	DIM 0-10v Dimming Driver
								EBPL Emergency Battery Pack	
								VWC Visionaire Wireless Controls * Consult Factory	

Housing

Heavy duty formed aluminum housing with internal heat sink for maximum heat dissipation. Silicone gasket is used for weather tight operation.

Mounting

For post top mounting, an adaptor fits over a 2 3/8" tenon secured with stainless steel hardware.

A Pre-Attached Aluminum Arm (AM) is supplied along with a Quick Mount pole adaptor, for fast and easy attachment to the pole.

An adjustable knuckle slip fits over a 2 3/8" Tenon, and allows for up to 90° degrees of vertical adjustment in 10° degree increments from horizontal, as well as full side to side adjustment with the knuckle mount. For retro-fit applications, a Pre-Attached Aluminum Arm (UBOA) is supplied along with a Universal Quick Mount pole adaptor for fast and easy attachment to the pole.

Thermal Management

The PGS series provides excellent thermal management by mounting the LEDs to the substantial heat sink within the housing. This enables the Luminaire to withstand higher ambient temperatures and driver currents without degrading LED life.

Optical System

The highest lumen output LEDs are utilized. High-performance acrylic optics feature industry leading Type I, II, III, IV, IVA, and V optical distributions. Acrylic optics are impact-resistant and rated to 94 percent translucence.

L70 life of our LEDs is rated over 100,000 hours (for 350 mA), The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting. CRI values are 70.

Quali-Guard® Finish

The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven-baked at 400° F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors. Finish is guaranteed for five (5) years.

Electrical Assembly

The PGS LED series is supplied with a choice of 350 or 530 mA high-performance LED drivers that accept 120v thru 480v, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40°C operations. 10kV Surge Protector supplied as standard.

Warranty

· Five (5) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information, please visit visionairelighting.com.

Options

- Photocell & Receptacle
- Photo & Receptacle
- 0-10 Volt Dimming Driver
- Motion Sensor/Control Watt Stopper FSP-211
- Wireless Controls
- 10 kV surge protector
- Emergency Battery Pack
- Round Pole Plate Adapter
- Cutoff Louver Shield

Listings

- PGS is cUL listed, suitable for wet locations.
- IP65 Rated
- Powder Coated Tough
- DLC Listed
- IDA Certification



DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/> 3000K must be selected for IDA certification.

Output Vs. Wavelength

