

PGA-1 CM Wildlife Certified LED Specifications



Project Name:

Catalog Number:

Type:

The **PGA LED** luminaire from Visionaire, simplifies the task of selecting the best solution for LED parking garage lighting. The design of the luminaire, compliments the design of the pre-cast concrete coffer; creating an integrated lighting effect; and maximizes the perceived lighting coverage. It is an ideal replacement for the high-maintenance fluorescent or HID fixtures of yesterday.

The housing is formed aluminum with internal heat sink for maximum heat dissipation; with either 16, 32 or 48 LEDs. The formed aluminum driver compartment allows the driver to operate cooler for long life. Available with a Low Profile Mount Bracket, and a Ceiling Mount Bracket for surface conduit mounting, or Pendant Mounting.

Six optical distribution patterns are available. 590 nm diode supplied as standard.

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

The **PGA LED** series is an exceptional choice for parking garage lighting and other ceiling mount applications.

Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
PGA-1	T1 Type 1	16LC	3 350mA	TS 590 nm	UNV 120-277V	LPM Low Profile Mount Ceiling Mount No conduit feed.	BZ Bronze	WSC-8 Dimmable Motion Sensor 8' Mounting Height
	T2 Type 2	32LC	5 530mA		8 347V	PM12 Pendant Mount 12" 30" Leads	BK Black	WSC-20 Dimmable Motion Sensor 9-20' Mounting Height
	T3 Type 3	48LC			5 480V	PM24 Pendant Mount 24" 42" Leads	SBK Smooth Black	WSC-40 Dimmable Motion Sensor 21-40' Mounting Height
	T4 Type 4					PM36 Pendant Mount 36" 54" Leads	WH White	
	T5 Type 5					CM Ceiling Mount 1/2" & 3/4" Knockouts	SWH Smooth White	The WSC option will require (1) FSIR 100 remote for programming
	T5W Type 5 Wide						GP Graphite	MS-8 Motion Sensor 8' Mounting Height
	T5WR Type 5 Wide Round						GY Grey	MS-20 Motion Sensor 9-20' Mounting Height
							SL Silver Metallic	MS-40 Motion Sensor 21-40' Mounting Height
							CC Custom Color	DIM 0-10v Dimming Driver
								EBPL Emergency Battery Pack 120V-277V Only
								LDL Lightly Diffused Lens 350mA and 530mA only
								WVC Visionaire Wireless Controls Consult Factory
								LS Light Shield

Housing

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

Mounting

- A Low Profile, hinged, ceiling mount bracket, can be secured directly to a 4" or 5" recessed junction box, or to the ceiling.
- A Ceiling Mount bracket with 1/2" and 3/4" knockouts is also available for surface conduit mounting.
- The ceiling hangar bracket on both versions allows the fixture to be suspended while making the wiring connections. The housing bracket then attaches to the ceiling bracket via a tamper-proof screw.
- 3/8" NPT stem and canopy supplied for pendant mount applications.

Thermal Management

The PGA 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 1, 2, 3, 4, 5, 5W and 5WR 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.
- 590 nm diode supplied as standard.

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 PGA 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.
- 10 kV 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

- Watt Stopper FSP-211 Motion Sensor
- Dimming Driver
- Diffused Lens

Listings

- PGA is UL listed, suitable for wet locations
- IP65 Rated
- Powder Coated Tough™
- IDA Certification
- Turtle Safe
- Certified Wildlife Lighting



The Wildlife Lighting Program was developed by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.

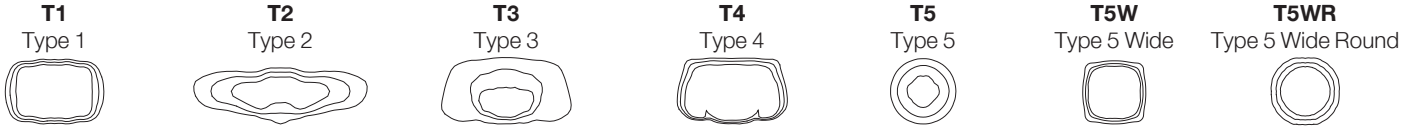


Motion Sensor Default Setting									
Type	High Mode	Low Mode	Time Delay	Cut off Delay	Sensitivity	Hold Off Setpoint	Photocell On/Off	Ramp Up Time	Fade Down Time
WSC - Default	10V	1V	5 Min	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Min	1-5 Hours	Low, Med, Max	1-250FC	1-250FC	1-60 Dec	1-60 Dec

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Photometric Optical Summary

Not all optics are available on all fixtures. Check ordering chart for availability

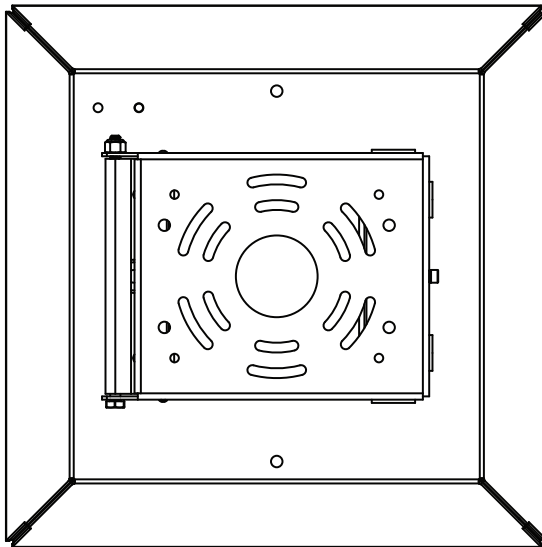


Dimensions

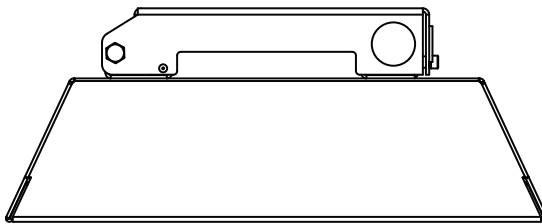
Width: PGA-1 15"

Height: PGA-1 5.0"

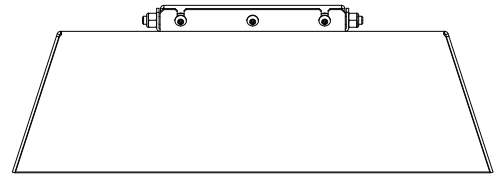
Weight: 18 LBS



Ceiling Mount



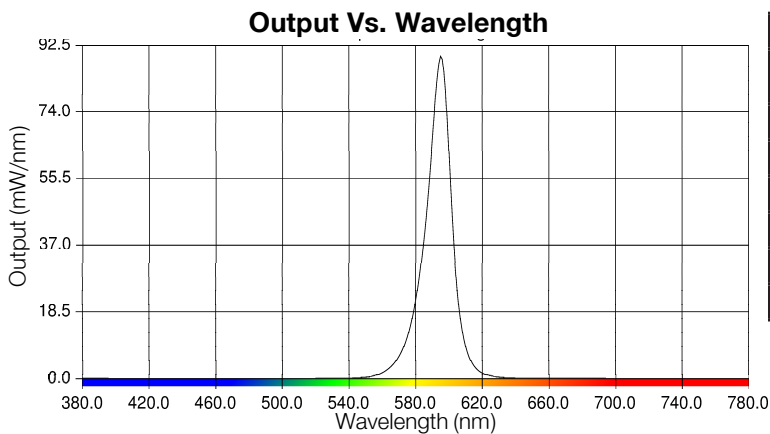
Low Profile Mount



PGA -1 Wildlife Certified TS (590 nm) LUMEN DATA									
# LEDs	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
16	350	517	478	476	467	523	472	473	18
	530	744	689	686	672	753	680	681	26
32	350	1094	1012	1008	1057	1107	1000	1000	35
	530	1566	1449	1443	1415	1585	1431	1432	52
48	350	1639	1517	1511	1467	1659	1498	1499	53
	530	2197	2033	2025	1985	2224	2008	2010	78

PGA -1 Wildlife Certified TS (590 nm) LPW DATA									
# LEDs	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
16	350	29	27	26	26	29	26	26	18
	530	29	26	26	26	29	26	26	26
32	350	31	29	29	30	32	29	29	35
	530	30	28	28	27	30	28	28	52
48	350	31	29	29	28	31	28	28	53
	530	28	26	26	25	29	26	26	78

PGA -1 Wildlife Certified TS (590 nm) BUG DATA																							
# LEDs	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Watts
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
16	350	1	0	1	0	0	1	1	0	1	1	0	1	2	0	1	3	0	1	1	0	1	18
	530	1	0	1	2	0	2	1	0	2	1	0	1	3	0	1	1	0	1	1	0	1	26
32	350	1	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0	1	0	0	35
	530	2	0	2	1	0	1	0	0	1	1	0	1	1	0	0	1	0	1	1	0	1	52
48	350	2	0	2	1	0	1	0	0	1	1	0	1	1	0	0	2	0	1	2	0	1	53
	530	1	0	1	1	0	1	1	0	1	1	0	1	2	0	0	2	0	1	2	0	1	78



PGA-1 Wildlife Certified - ELECTRICAL LOAD (A)							
Ordering Nomenclature	System Watts	120	208	240	277	347	480
PGA-1-T5W-16LC-3	18	0.15	0.09	0.08	0.06	0.05	0.04
PGA-1-T5W-16LC-5	26	0.22	0.13	0.11	0.09	0.07	0.05
PGA-1-T5W-32LC-3	35	0.29	0.17	0.15	0.13	0.10	0.07
PGA-1-T5W-32LC-5	52	0.43	0.25	0.22	0.19	0.15	0.11
PGA-1-T5W-48LC-3	53	0.44	0.25	0.22	0.19	0.15	0.11
PGA-1-T5W-48LC-5	78	0.65	0.38	0.33	0.28	0.22	0.16