

# PGR-1 CM Turtle Safe LED Specifications



Project Name:

Catalog Number:

Type:

The **PGR LED** luminaire from Visionaire combines contemporary design with new LED technology; while maintaining a traditional 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 fluorescent or HID fixtures of yesterday.

The LED housing is spun 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 Ceiling Mount Bracket, Ceiling Mount Bracket for surface conduit mounting and a 12-36" Pendant Mount.

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

## Ordering Information

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

### Housing

Heavy duty spun 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 PGR 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 LED are utilized. High-performance acrylic optics feature industry leading Type I, II, III, IV, 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 PGR-1 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.

THD less than or equal to 20%

### Warranty

Five (5) year Limited Warranty on electrical components

Five (5) year on finish.

For full warranty information, please visit [www.visionairelighting.com](http://www.visionairelighting.com).

### Options

WattStopper FSP-211 Motion Sensor

0-10 Volt Dimming Driver

Emergency Battery Pack

Wireless Controls

### Listings

PGR-1 is cUL listed, suitable for wet locations

IP65 Rated

Powder Coated Tough™

IDA Certification

Turtle Safe

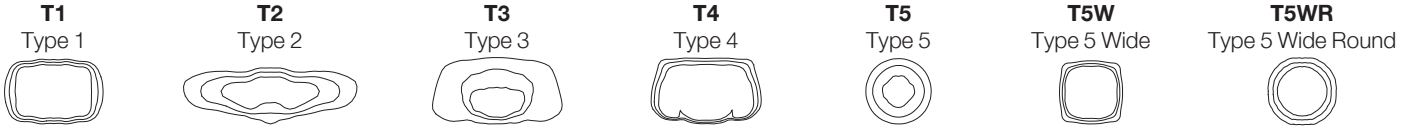


Motion Sensor Default Setting

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

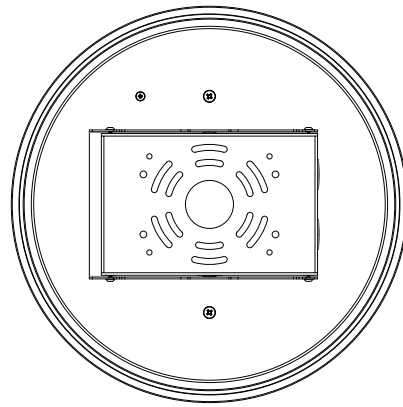
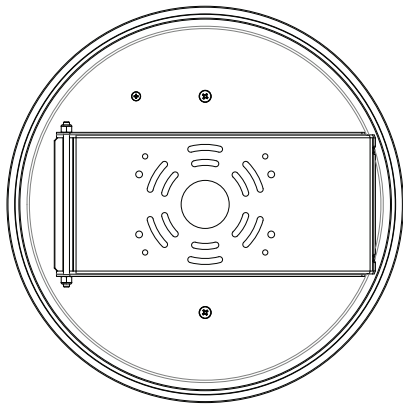
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## Photometric Optical Summary

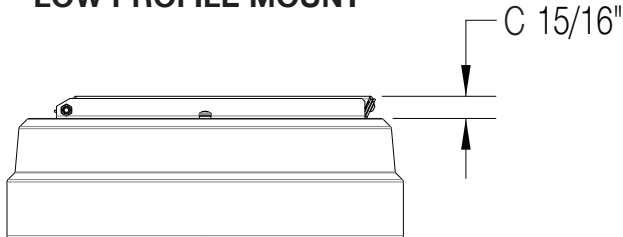


## Dimensions

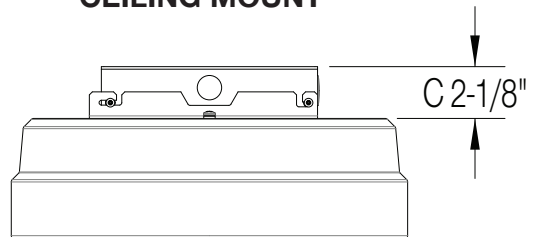
<b>Width:</b>	PGR-1 16.5"
<b>Depth:</b>	PGR-1 5.0"
<b>Height:</b>	PGR-1 5.0"
<b>Overall Height:</b>	PGR-1 0.0"
<b>Weight:</b>	20 LBS



**LOW PROFILE MOUNT**



**CEILING MOUNT**



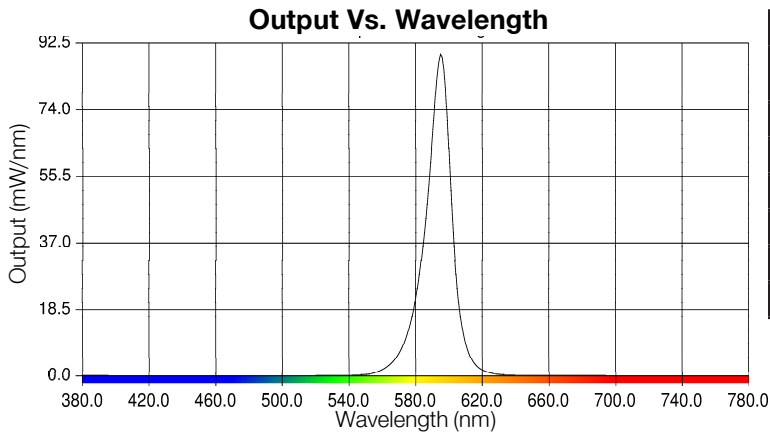
PGR-1 Turtle Safe (590 nm) LUMEN DATA									
# LEDs	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Wattage
16	350	517	478	476	467	523	472	473	18
	530	744	689	686	672	753	680	681	26
32	350	1094	1012	1008	1057	1107	1000	1000	35
	530	1566	1449	1443	1415	1585	1431	1432	52
48	350	1639	1517	1511	1467	1659	1498	1499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

PGR-1 Turtle Safe (590 nm) LPW DATA									
# LEDs	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Wattage
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

PGR-1 Turtle Safe (590 nm) BUG DATA																							
# LEDs	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Wattage
		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	0	0	1	0	0	1	3	0	1	3	0	1	1	0	1	18
	530	1	0	1	1	0	1	0	0	1	1	0	1	1	0	0	1	0	1	1	0	0	26
32	350	1	0	1	1	0	1	0	0	1	0	0	1	1	0	0	1	0	1	1	0	0	35
	530	2	0	2	1	0	1	1	0	1	1	0	1	1	0	0	2	0	1	1	0	1	52
48	350	2	0	2	1	0	1	1	0	1	1	0	1	2	0	0	2	0	1	2	0	1	53
	530	2	0	2	1	0	2	1	0	1	1	0	1	2	0	1	2	0	1	2	0	1	78



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