



ROADWAY LIGHT

SERIES GKORLG2



Product Overview

The GKORLG2 Roadway Light provides uncompromising optical performance and outstanding versatility. Our customer-focused features include single latch toolless entry, industry leading surge protection options and superior lumen performance, all in a modern design. A twist-lock photocell is included with every light for additional energy savings.



Key Features

CONSTRUCTION:

- Rugged die-cast aluminum housing.
- Housing has direct contact with the driver to help maintain low temperature.
- Housing is completely sealed against moisture and environmental contaminants.

FINISH:

- The exterior is protected by a rust-resistant powder coat finish that provides superior resistance to weathering and corrosion.

OPTICS:

- Available in Type II, Type III, and Type IV light distribution.
- Light engines are available in standard 3000K, 3500K, 4000K and 5000K configurations.
- A range of lumen options available from 9,600 to 20,000 Lumens, replaces up to 400W metal halide.
- Impact and UV-resistant polycarbonate lens is precisely designed to give a specific light distribution, maximizing efficiency and application spacing.

WARRANTY:

- 5 Year Limited Warranty.

ELECTRICAL:

- Universal 120-277V or 347-480V input voltage.
- 10kV surge protection for 120-277V and 20kV surge protection for 347-480V.
- 1-10V dimming driver(s) as default.
- THD: ≤20%, Power Factor: ≥90%.

CONTROLS:

- Included NEMA 3-pin twist-lock photocell for further energy savings (not compatible with multi-level motion sensor).
- Optional multi-level motion sensor - BRI823 (not compatible with photocell).

INSTALLATION:

- A hinged door enables easy installation by a single person.
- Mounts on standard horizontal tenon 1-5/8" or 2-3/8" O.D.

LISTINGS:

- DesignLights Consortium® (DLC) Premium qualified.
- UL listed for wet locations.
- Rated for ambient operating temperature -40°F to 104°F (-40°C to 40°C).



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Performance Data

Lumen Output

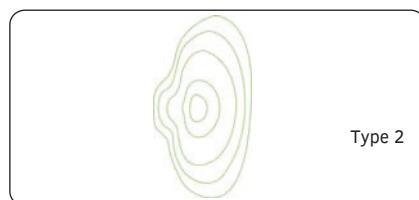
System Watts	Voltage	Distribution Type	CRI	3000K		3500K		4000K		5000K		EPA
				Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	
70W	120-277V	3	70	9600lm	137lm/W	9600lm	137lm/W	9900lm	141lm/W	9900lm	141lm/W	0.4567
70W	347-480V	3	70	9200lm	131lm/W	9200lm	131lm/W	9400lm	134lm/W	9400lm	134lm/W	0.4567
105W	120-277V	3	70	14300lm	136lm/W	14300lm	136lm/W	14600lm	139lm/W	14600lm	139lm/W	0.4567
105W	347-480V	3	70	14000lm	133lm/W	14000lm	133lm/W	14200lm	135lm/W	14200lm	135lm/W	0.4567
150W	120-277V	3	70	19500lm	130lm/W	19600lm	131lm/W	19800lm	132lm/W	20000lm	133lm/W	0.4711
150W	347-480V	3	70	19500lm	130lm/W	19600lm	131lm/W	19800lm	132lm/W	20000lm	133lm/W	0.4711

Electrical Data

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	Input Voltage (V)	Current (Amps)
1	1110	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
	1850	70	347	0.20
		70	480	0.15
1	850	105	120	0.88
		105	208	0.50
		105	240	0.44
		105	277	0.38
	2520	105	347	0.30
		105	480	0.22
1	5600	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
		150	347	0.43
		150	480	0.31

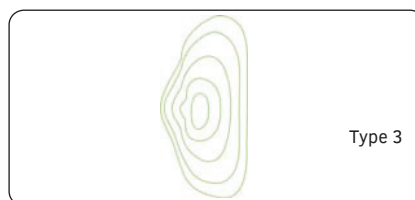
Light Distribution

Type 2 optics creates an asymmetric distribution working well in walkway and roadway applications where more light is required "street side" than "house side".



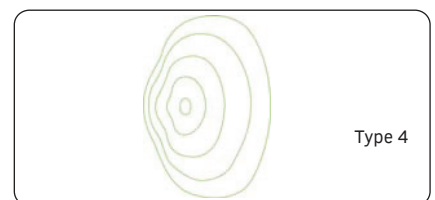
Type 2

Type 3 optics produces an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



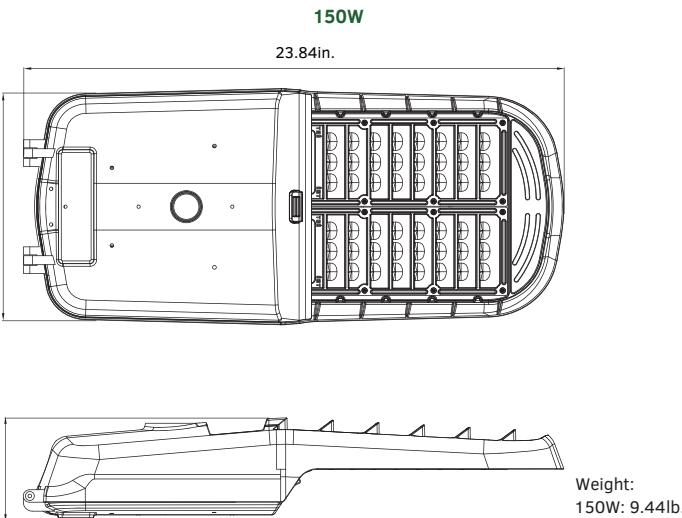
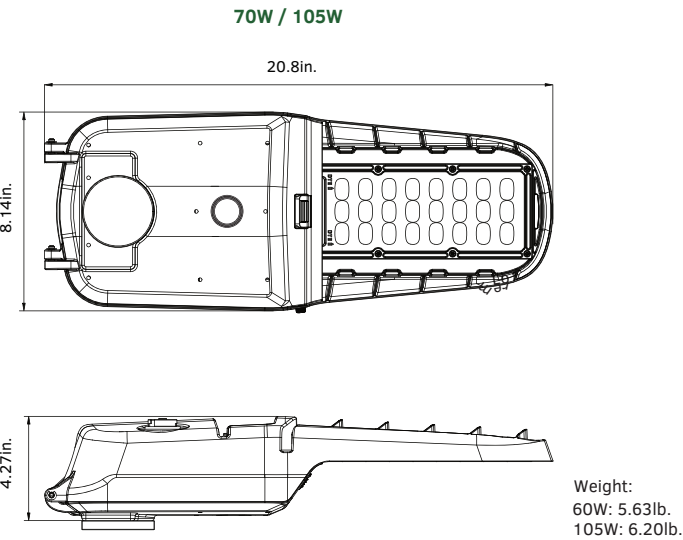
Type 3

Type 4 is suitable for applications where light is primarily required to be directed forward with minimal backlight. Typical installations include perimeter poles.



Type 4

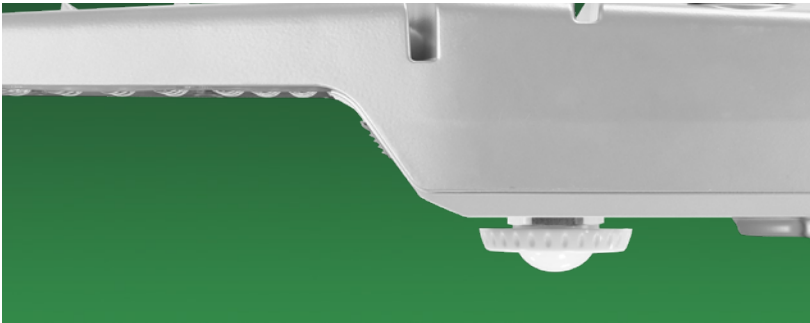
Dimensions & Weight



Accessories



TWIST-LOCK PHOTOCELL
Included NEMA 3-pin twist-lock photocell adds dusk to dawn function for additional energy savings.



MULTI-LEVEL MOTION SENSOR
Optional multi-level motion sensor detects occupancy in an area for additional energy savings.

Ordering Information

Roadway Light Series GKORLG2										Example: GKORLG2105W27VXXKYYYYY						
Fixture Type	Wattage	Voltage		CCT		Finish		Photocell		Sensor (Optional)		Photometry		Power Adjustable (Optional)		Internal Code
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GKORLG2	70W	27V	120-277V	30K	3000K	SG	Silver Grey*	P	With Photocell	M	With Motion Sensor	T2	Type II	AD	Power Adjustable	Blank
	105W	48V	347-480V	40K	4000K	D	Dark Bronze	Blank	No Photocell	Blank	No Sensor	T3	Type III	Blank	Not Power Adjustable	Alphanumeric
	150W			50K	5000K	B	Black					T4	Type IV			
						W	White									

NOTE: *Default finish is silver grey. All other finishes are special order only.