

SOLIOS Series

Ultra-versatile High Output Lighting

The all-new IP66 Solios Series is the most reliable high-efficacy luminaire we believe to have ever been created. Top-quality components & materials, along with various add-ons & a unique modular tilt feature, provides for a highly adaptable luminaire suitable for every high-bay application; environments with higher-than-normal ambient temperatures included.

The luminaire is configurable for downlighting, up-lighting, surface illumination, and more—all depending on your need and application.

Backup lighting configurations allow for up to 10W of battery backup lighting for a guaranteed minimum of 90 minutes!

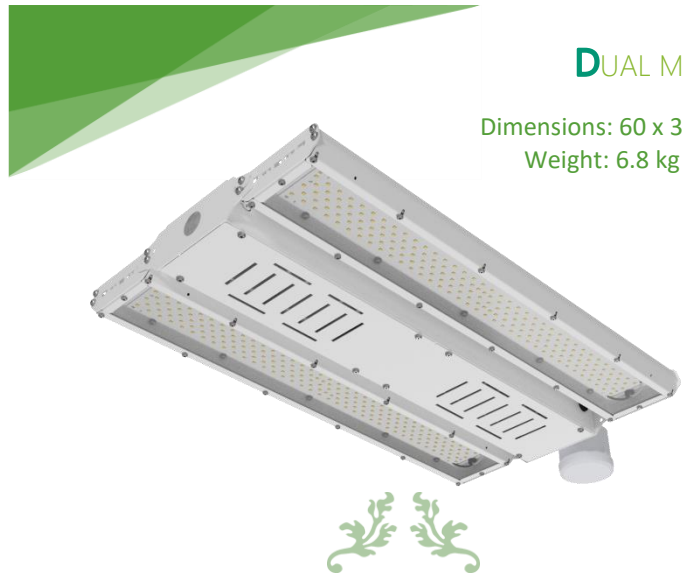
QUAD MODULE

Dimensions: 60 x 62 x 6 cm
Weight: 11.5 kg (25 lbs.)



DUAL MODULE

Dimensions: 60 x 37 x 6 cm
Weight: 6.8 kg (15 lbs.)



Performance Summary:

Dual Module Light Output:

22,770 – 28,160 lumens

Quad Module Light Output:

45,540– 56,160 lumens

Typical Efficiency: 160-165 lumens/watt

L90 Estimation: >45,800 hours

L70 Estimation: >72,500 hours

Standard CRI: 80 CRI

Input Voltage: 120-480 Vac

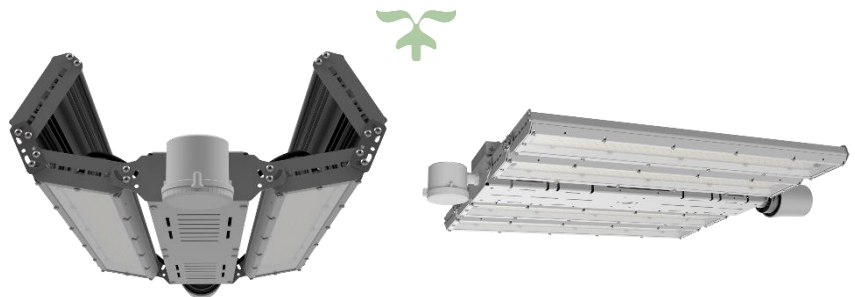
Warranty: 5 years

Configurations: *2-module or 4-module
Adjustable Down/UpLighting
Battery Backup Lighting
Multifunction Occupancy Sensor
Integral Sensor Receptacle, Etc.*

Installation: *Suspension (Standard)
Pendant Conduit
Surface Mounted*

~Features end-use flexibility for DownLighting and UpLighting applications~

~Or Everything in between~



SOL-G2 LED Luminaire Series

SOL-G2-XXXX Specifications

Listing: cCSAus certified for US-Canada Wet Location. For Battery Backup Configurations, Dry/Damp Location Only.

LED: Industry-leading LEDs for low-to-mid range lighting applications. Engineered for superior efficiency allowing for >200 lm/W in controlled environments.

Available CRI: ≥80

Colour Temperature (CCT): 3000-6000 K

Reported TM-21 LED chip Lifetimes:

L90(90% light output): >45,800 hours
L70(70% light output): >72,500 hours

Electrical: Input: 120-277/ 347/480 VAC, 50/60 Hz

Power Factor: >0.90

THD: <20%

Operating Temperature: -40°C to +60°C

Warranty: 5 years

Construction: IP66-rated construction. Light-weight aluminum extrusion and sheet-metal housing. High-quality anodized finish for maximum durability. Size (excluding all accessories): 60*62*6cm, Weight: 7 – 14kg (16 – 31 lbs.)

Lens & Optics: Standard 120° beam angle. High-transmission impact-resistant PC lens. Customizable Lens: Clear or Frosted. Prismatic options available.

Configurations: 2-4 modules - configurations can be made to allow for down-lighting & up-lighting in different directions, or a combination of both.

Installation: Standard: stainless steel aircraft cable suspension. Other: Ceiling (to junction box, ceiling, etc.) & Pendant Conduit Mounting.

Features: Standard 0-10V dimming provided. Wireless control, or integral sensor receptacle (ANSI C136.41 standard) available. 10W backup battery, multifunction sensor (occupancy + daylight sensing), surge protection (10kA or 20kA max discharge), Impact-protection wire guard. Contact Lumingen for more information.

Specification Table

Model	Configuration	Typical Size (cm)	Lumen (lm)	Wattage (W)	Efficiency (lm/W)
SOL-G2-D150	Dual Module	60 x 37 x 6	22,770	138	165
SOL-G2-D200	Dual Module	60 x 37 x 6	28,160	176	160
SOL-G2-Q300	Quad Module	60 x 62 x 6	45,540	276	165
SOL-G2-Q400	Quad Module	60 x 62 x 6	56,160	351	160

Ordering Code (e.g., SOL-G2-Q400-347-5K0-80-120-SP-CL-00-M-P3)

LAMP-SERIES CODE	POWER RATING	AC INPUT VOLTAGE	COLOUR TEMPERATURE	CRI	BEAM ANGLE	INSTALL METHOD	MAIN OPTIC	MODULE ORIENTATION	ACCESSORIES ^{1,2}
SOL-G2	Q400	347	5K0	80	120	SP	CL	00	M – P3
SOL-G2	D150 <i>(Dual 138W)</i>	277 <i>(120-277V)</i>	3K0 <i>(3000K)</i>	80	120	SP <i>(Suspension cable kit)</i>	CL <i>(Clear)</i>	00 <i>(Down Light Standard)</i>	C <i>(Wireless Control)</i>
	D200 <i>(Dual 176W)</i>	347 <i>(347V)</i>	4K0 <i>(4000K)</i>	90		PD <i>(Pendant/ junction box kit)</i>	FR <i>(Frosted/ Diffuse)</i>	UP <i>(Up Light)</i>	E <i>(10W Backup Battery)</i>
	Q300 <i>(Quad 276W)</i>	480 <i>(480V)</i>	5K0 <i>(5000K)</i>			SF <i>(Surface mount kit)</i>	PR <i>(Prismatic Patterned)</i>	CS <i>(Custom Configuration)</i>	M <i>(Multifunction Motion Sensor)</i>
	Q400 <i>(Quad 351W)</i>		6K0 <i>(6000K)</i>						S1 <i>(10kA or 20kA Surge Protection)</i>
									S2 <i>(3 or 5-Pin Integral Sensor Receptacle w/ Shorting Cap)</i>
									P3 <i>(3 or 5-Pin Integral Sensor Receptacle w/ Shorting Cap)</i>
									P5 <i>(Mesh Guard)</i>
									V <i>(Mesh Guard)</i>

¹ ELECTRICAL SURGE:

All LED fixtures are susceptible to voltage spikes. Surge protection is highly recommended for exterior, industrial, and manufacturing applications

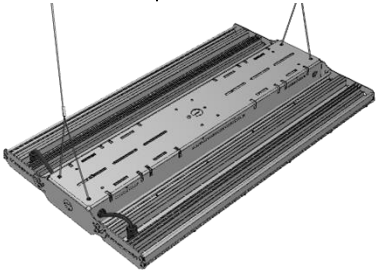

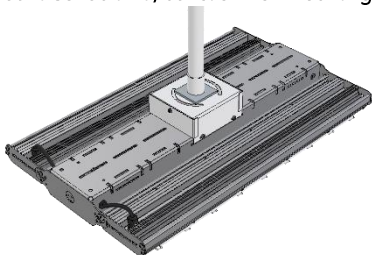

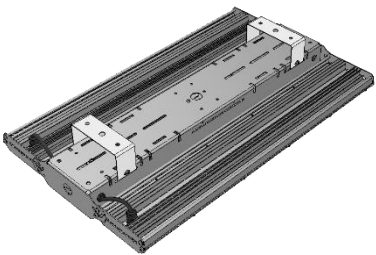

² ADD-ON ACCESSORIES:

ANSI 3-pin receptacle included for accessory S1. ANSI 5-pin receptacle included for accessory C.



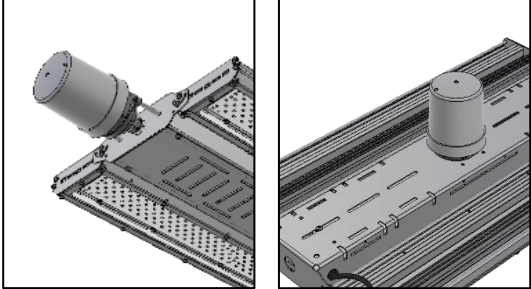
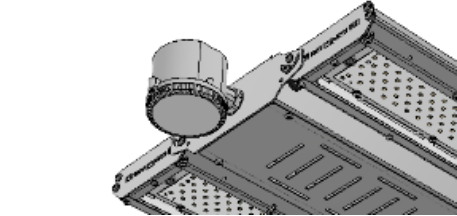
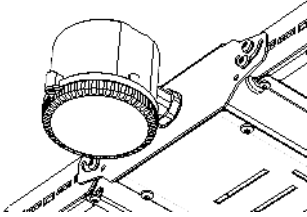
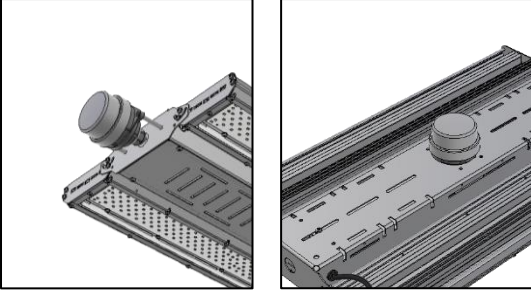

SOL-G2 LED Luminaire Series

Installation

Order Code	Definition	Notes
SP	<p>Suspension Kit</p> 	 <p>2 sets of stainless-steel Aircraft Cable w/ Steel Paddles. Also comes with Cable Gripper and Cable for looping around ceiling trusses/beams.</p> <p>AC Cord whip available at an additional cost. Side knock-out holes for daisy-chain installations.</p>
PD	<p>Pendant Conduit Kit / Junction Box Mounting Kit</p> 	 <p>Can be used as Junction Box. (Pendant Hanger not included)</p> <p>-Also-</p> <p>Direct mounting to junction box or other surfaces. May be used to hold wire connections.</p>
SF	<p>Surface Mounting Kit</p> 	 <p>Install into surface/ceiling by screws/bolts. (Ceiling screws/bolts not included)</p> <p>AC Cord whip available at an additional cost. Side knockout holes for daisy-chain installations.</p>

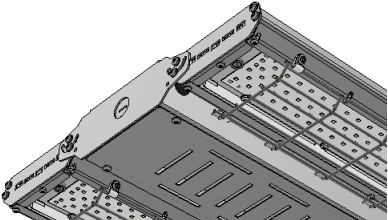

SOL-G2 LED Luminaire Series

Accessories

Order Code	Definition	Notes
<p>C</p> <p>P5</p>	<p>Wireless Controller and/or Integral Sensor Receptacle</p> 	<p>C / P5 configurations come with 5-pin ANSI 136.41 integral sensor receptacle, which is horizontally/vertically mounted. When receptacle is not in use, use a shorting cap to allow luminaire to remain operational.</p> <p>Wireless Control. Standard on/off/dimming functionality with additional features such as fixture grouping & scheduling. Access/control through the use of a phone, tablet, or devices connected to internet.</p> <p>Direct wiring only requires connection to AC line, neutral, and ground.</p> <p>(Contact Lumingen for more information)</p>
<p>E</p>	<p>Battery Backup Kit, 10W Lighting</p>	<p>Luminaire will deliver a minimum of 90 minutes of light when battery backup is activated. Typical backup output power is 10W. Luminaire operating temperature range with backup battery kit: -20°C to +40°C</p>
<p>M</p>	<p>Multifunction Sensor Kit</p> 	 <p>Multifunction Occupancy and Daylight sensing.</p> <p>Customizable for different levels of sensitivities and functions, such as delayed dimming, stand-by duration, etc.</p>
<p>S1</p> <p>S2</p>	<p>Surge Protection Kit (Internally Installed for 20kV module)</p> 	 <p>S1 (externally mounted) Nominal discharge current: 5kA Maximum discharge current: 10kA</p> <p>S2 (internal/external mounted) Nominal discharge current: 10kA Maximum discharge current: 20kA</p> <p>Exterior-mounted applications will be installed to receptacle conforming to ANSI C136.10/C136.41 (3-pin/5-pin receptacle) standards. Receptacle may be installed vertically or horizontally on luminaire.</p>

SOL-G2 LED Luminaire Series

Accessories (continued)

Order Code	Definition	Notes
V	<p data-bbox="440 457 570 485">Wire Guard Kit</p> 	 <p data-bbox="1179 583 1507 632">Wire Guard Protection using spot-welded 3mm-diameter alloy steel rods.</p>