

## SOLAR LED INTEGRATED ARCHITECTURAL AREA LIGHT

Project: \_\_\_\_\_

Type: \_\_\_\_\_

Quantity: \_\_\_\_\_



The IPL series solar LED luminaire is an ideal choice for architectural, commercial, recreational bikeway/pathway and public space lighting applications. The self-contained, contemporary, curvilinear design smartly embraces modern solar power, adaptive control and LED technologies. With robust construction, and unequalled performance the IPL series is an excellent fit wherever high-quality, full cutoff lighting and minimal visual clutter is required.

Utilizing solar power and LEDs, the IPL is completely self-contained and offers significant benefits over grid-based pathway lights including:

- Low installed cost and minimal site impact with no trenching, cabling or wiring
- Minimal ongoing costs with no electrical bills or bulbs to change
- Not affected by power outages
- A sustainable choice without recurring carbon emissions

All of our solar powered lights are enabled by our innovative Solar Lighting Controller (SLC). The SLC in each light is “self-learning” and allows the lights to predictively adapt to their surroundings, providing a level of lighting performance and reliability unavailable in other solar lighting products.

## TECHNICAL SPECIFICATIONS

- Solar Module:**
- High-efficiency mono-crystalline cells
  - Inconspicuously mounted on top of luminaire
  - Used for day/night detection (no photocell required)

- Solar Lighting Controller (SLC):**
- High-efficiency, temperature compensated Maximum Power Point Tracking (MPPT)
  - Micro-controller based technology
  - Includes high-efficiency LED driver
  - Integrated into luminaire housing
  - Designed to automatically manage lighting performance based on environmental conditions and lighting requirements
  - Patent Pending

- Battery:**
- High performance Lithium (LiFePO<sub>4</sub>)
  - Exceptional 8 – 10 year life cycle
  - High temperature tolerance
  - Contained within luminaire housing
  - Designed for easy battery changes when required

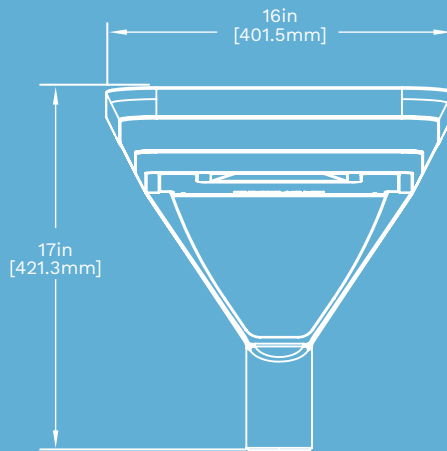
- LEDs and Optics:**
- 100,000 hour L70 lifetime
  - Warm (3000K) and neutral (4500K) white color temperatures available
  - High efficiency Type 2, 3, 4 and 5, full cut-off optics
  - Typical lumen output from 850 to 1200 lumens

- Mechanical Construction:**
- Cast, low copper aluminum top, housing, and arms
  - Stainless fasteners with security fastener option
  - Architectural grade, super durable, TGIC powder coat
  - Four standard colors with custom colors available

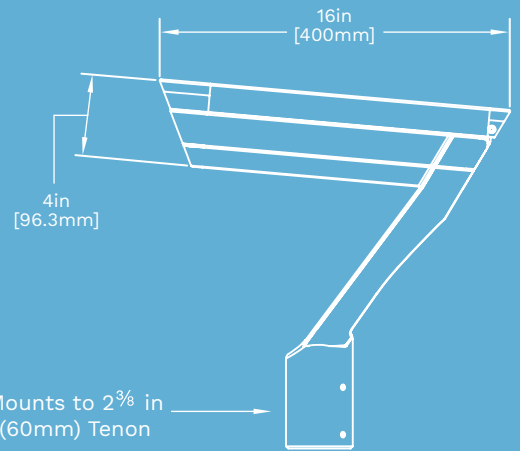
- Factory Set Lighting Profiles:**
- On at dusk, off at dawn
  - On at dusk, off after 6 hours
  - On at dusk, dim to 30% after 6 hours till dawn
  - On at dusk, off after 5 hours, on 1 hour before dawn
  - On at dusk, dim to 30% after 5 hours, on 1 hour before dawn

EPA: 0.65ft<sup>2</sup> (0.06m<sup>2</sup>)

Weight: 27 lbs (12.3 kg) including battery



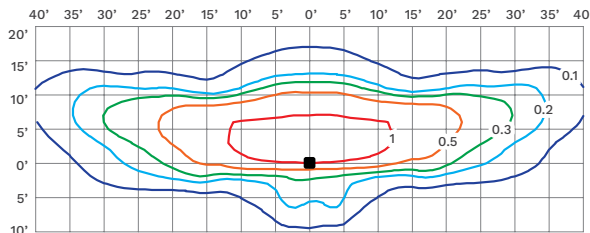
Front View



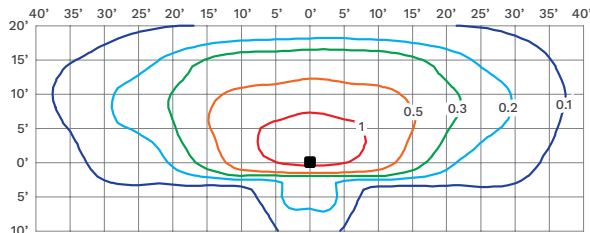
Side View

12  
3.66  
10  
3.05  
8  
2.44  
6  
1.83  
4  
1.22  
2  
0.61  
ft  
m

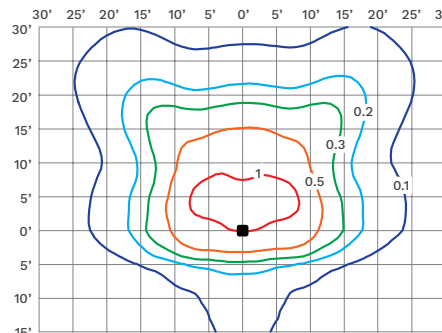
## PHOTOMETRICS (IES files available on request)



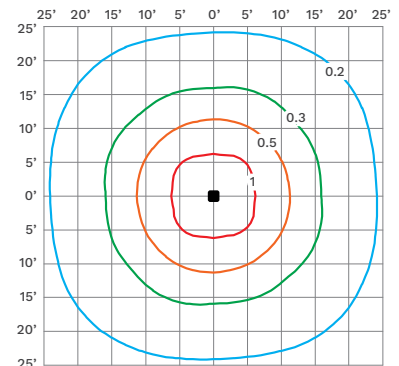
IPL - Type 2



IPL - Type 3



IPL - Type 4



IPL - Type 5



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## ORDER MATRIX



Series	Mounting	Finish	Distribution	LED Color	Lighting Profile	Options
<b>IPL</b>	<b>PTM</b> - Post Top Mount	<b>BK</b> - Black	<b>T2</b> - Type 2	<b>WW</b> - 3000K	<b>00</b> - Dusk till dawn	<b>SEC</b> - Security Fasteners
		<b>BZ</b> - Bronze	<b>T3</b> - Type 3	<b>NW</b> - 4500K	<b>01</b> - Dark +6 hours then off	
		<b>SV</b> - Silver	<b>T4</b> - Type 4		<b>02</b> - Dark +6 hours then 30%	
		<b>WH</b> - White	<b>T5</b> - Type 5		<b>03</b> - Dark +5 hours, off, Dawn -1 hour	
		<b>CC</b> - Custom			<b>04</b> - Dark +5 hours, 30%, Dawn -1 hour (DEFAULT)	

Notes:

- Photometrics based on 12 ft mounting height
- Specifications subject to change without notice
- All light levels in foot candles (fc) with 4500K color temperature and 850 lumen output
- To convert to lux multiply light level by 10.7



**Illuminating**  
ENGINEERING SOCIETY



**lighting facts**  
A program of the IES