

FIRSTLIGHT

TECHNOLOGIES

Making Solar Lighting Simple™

IPL Series

Solar Powered LED Architectural Light

Project: _____

Type: _____

Quantity: _____



The IPL series solar powered LED architectural light is an ideal choice for architectural and commercial pathway lighting applications. Visual appeal combined with robust construction and unequalled solar power performance make the IPL series an excellent fit where high-quality lighting is required.

Utilizing solar power and LED lighting the IPL is fully self contained and offers significant benefits over typical wired pathway lights:

- Low installed cost and minimal site impact with no trenching, cabling or wiring
- Minimal ongoing costs with no electrical bills or bulbs to change
- Immune from power outages
- Provide a visibly green statement without recurring carbon emissions

The performance of the IPL Series Solar LED Light is maximized through the use of proprietary Energy Management System (EMS) technology that allows the luminaire to function in harmony with its environment.

The EMS ensures that regardless of low-solar weather patterns or unusual charging conditions such as shading, the pathway light continues to provide quality light that enhances the appeal and safety of the night time environment.

TECHNICAL SPECIFICATIONS

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

- Energy Management System (EMS):**
- 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

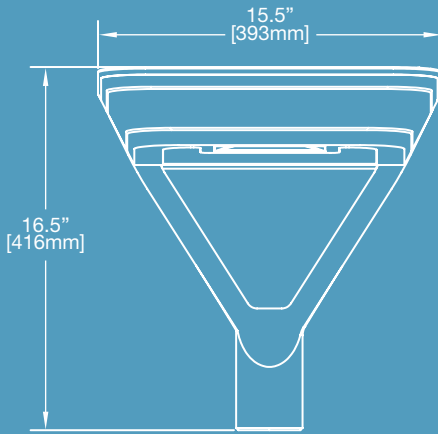
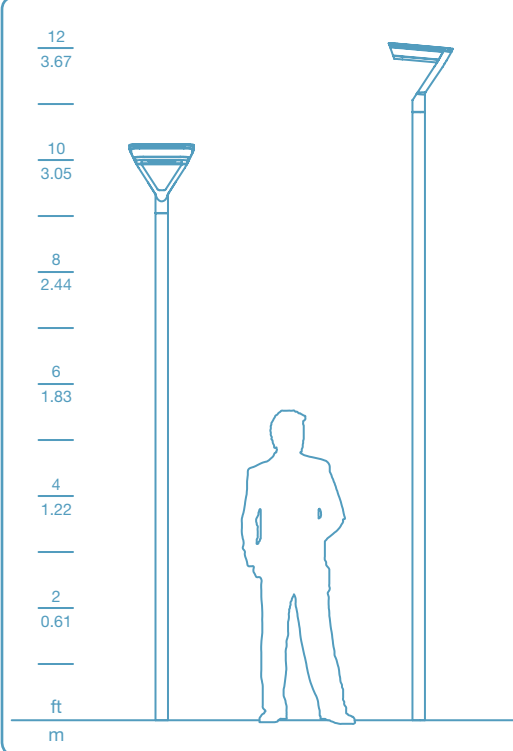
- Battery:**
- Sealed lead acid, absorbed glass mat (AGM)
 - Superior cyclic performance
 - High temperature tolerance
 - 10 year design life
 - Contained within luminaire housing
 - Simple battery changes when required

- LEDs and Optics:**
- 100,000 hour L70 lifetime
 - Warm (3000K), neutral (4300K), cool (5500K) color temperatures available
 - High efficiency Type II, III, and V, full cut-off optics
 - Typical lumen output of 700 up to 1200 lumens

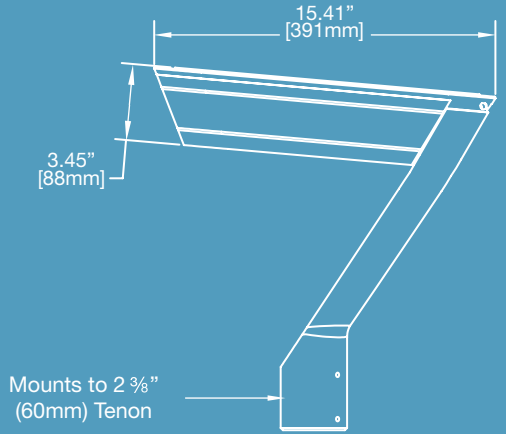
- Mechanical Construction:**
- Cast, low copper aluminum top, housing, and arms
 - Stainless fasteners with security fastener option
 - Architectural grade, super durable, TGIC powder coat with Alodine undercoat
 - Four standard colors with custom colors available

- Factory Set Lighting Profiles:**
- On at dusk off at dawn
 - On at dusk, turn 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: 0.65ft² (0.06m²)
Weight: 26 lbs (12kg) including battery



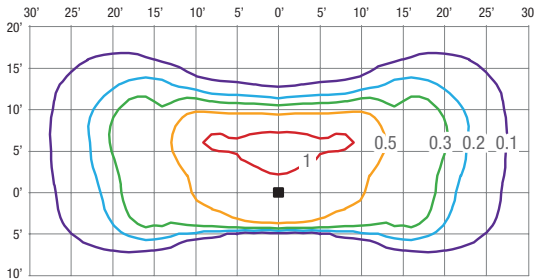
Front View



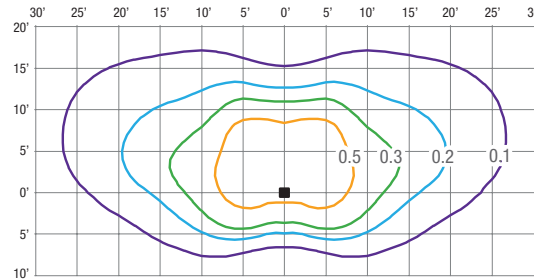
Side View

Mounts to 2 3/8" (60mm) Tenon

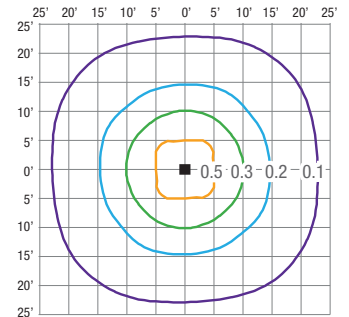
PHOTOMETRICS



IPL - Type II



IPL - Type III



IPL - Type V

ORDER MATRIX

Series	Mounting	Finish	Distribution	LED Color	Lighting Profile	Options
IPL	PTM - Post Top Mount	BK - Black	TII - Type 2	30K - 3000K	00 - Dusk till dawn	SEC - Security Fasteners
		BZ - Bronze	TIII - Type 3	43K - 4300K	01 - Dark +6 hours then off	BLS - Back Light Shield
		SV - Silver	TV - Type 5	55K - 5500K	02 - Dark +6 hours then 30%	
		WH - White			03 - Dark +5 hours, off, Dawn -1 hour	
		CC - Custom			04 - 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 4300K color temperature and 700 lumen output
 - To convert to lux multiply light level by 10.7

