



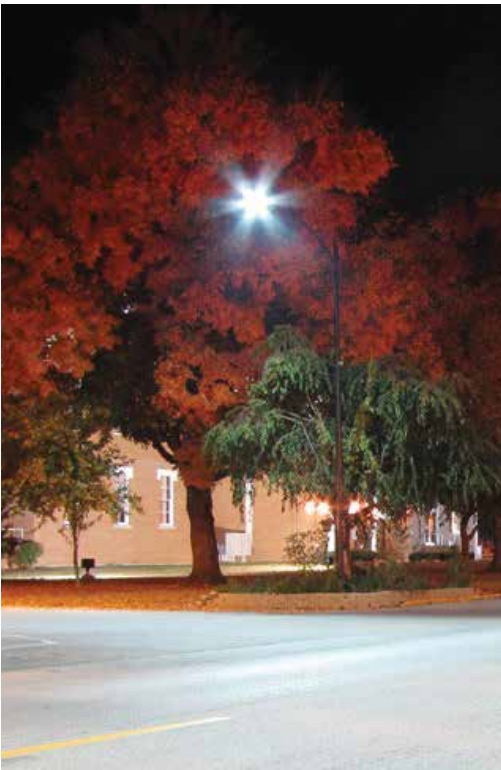
## Efficiency. Intelligence. Durability.

Bright Light Systems BLP250 LEP (Light Emitting Plasma™) Roadway luminaire provides superior street lighting performance using an innovative, energy efficient light source that is durable and long lasting. The BLP250 consumes only 160 watts. Comes with an IES Type II (Medium) faceted and die formed optic. Reflector is made from highly reflective, lighting grade aluminum for consistent optical performance. Tool-less single piece die-cast door frame (hinged for ease of maintenance). Secured with three stainless steel latches for tight seal to ensure a clean lens and optical assembly. Lens is made of clear tempered high-transmission soda-lime glass. Comes with 2" or 50mm O.D. slipfitter mount. Suitable for wet locations.

## Features

- Reduce Energy Costs by 40%
- Rated Lifetime of 50,000 Hours
- Small, Compact Light Source
- Vibration, Shock Resistant
- Dimmable from 100% to 20%
- Tool-less Entry For Easy Maintenance
- Full Illumination in 60 Seconds
- International Dark Sky Approved
- Optional Wireless Controller
- 5-Year Limited Warranty

## Application



## Specifications

Illumination Source	1 High Powered LEP (Light Emitting Plasma)
Lamp Options	STA 41-01 or STA 41-02 or STA 25-03
Power Consumption	160 Watts (25-03) or 270 Watts (41-0x)
Source Lumens	23,000
Fixture Lumens	19,000 (Photopic) 45,600 (Visually Effective)
S/P Ratio	2.4
Optics	IES Type II (Medium)
Dimming Range	20 - 100%
Protective Lens	3/16" Clear Tempered Glass
Color Temperature	5,200K
CRI	75
Input Voltage	110V - 480V 50/60Hz
Rated Lamp Life (L70)	50,000 Hrs
Lumen Maintenance	70%
Finish	TGIC Powder Coat w/ UV Inhibitors in Natural
Construction	Low Copper Content, Die-Cast Aluminum
Operating Temperature	-40°C to 45°C
Measurements	29"L x 15"W x 6"H
Weight	34 lbs (15.5 kg)
EPA (Windload)	0.6 ft <sup>2</sup>
Warranty	5-Year Limited Warranty
Approvals	CE, Dark Sky

## Additional

All components are UL recognized and rated from -40°C to +45°C ambient. Luminaire is supplied with high power factor (>.96) and low THD (<20%) AC/DC power supply. Surge protection built in up to 10kV suppression in accordance with IEEE/ANSI C62.41.2. Vibration tested for roadway specification ANSI C136.3. Conforms to UL STD 1598; Tested to IP65 per IEC 60529. CE product safety compliant, tested to IEC 60598-2-3. International Dark Sky approved. Tested per LM-79 Standards. Designed and assembled in the USA.

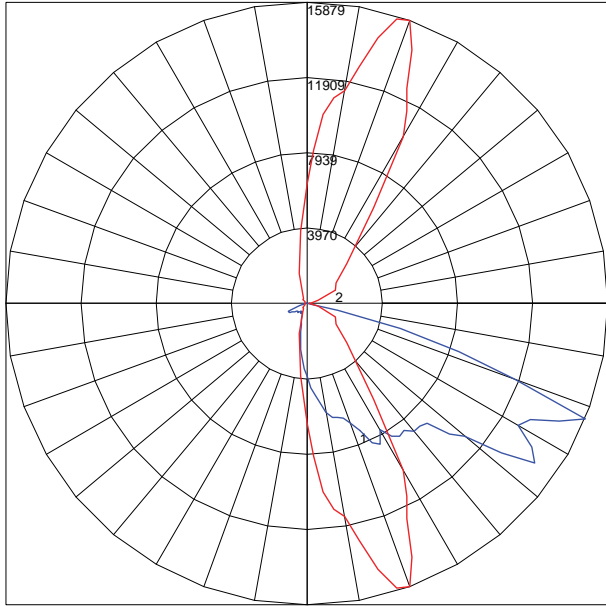
\*Specifications use STA41-01 as light source and are subject to change without notice





## Photometrics

### IES Type II Distribution

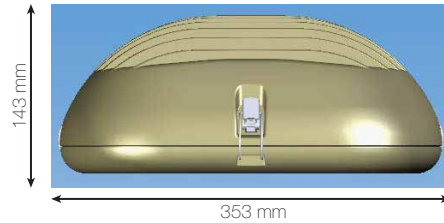
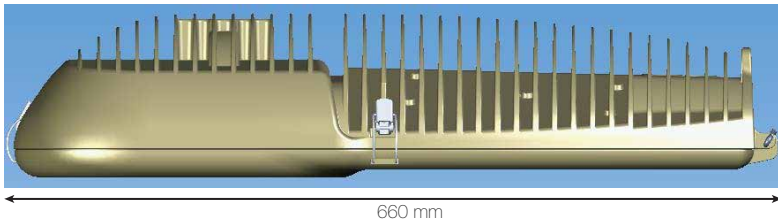


Plot Generated with Nominal STA41-01 Light Source Max Candela = 15878  
Located At Horizontal Angle = 70, Vertical Angle = 67.5  
#1 - Vertical Plane Through Horizontal Angles (70 - 250) Through Max. Cd.  
#2 - Horizontal Cone Through Vertical Angle (67.5) Through Max. Cd.

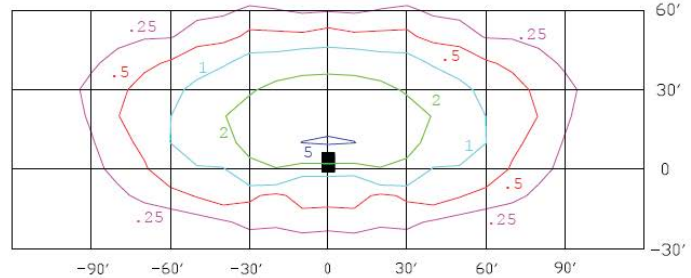
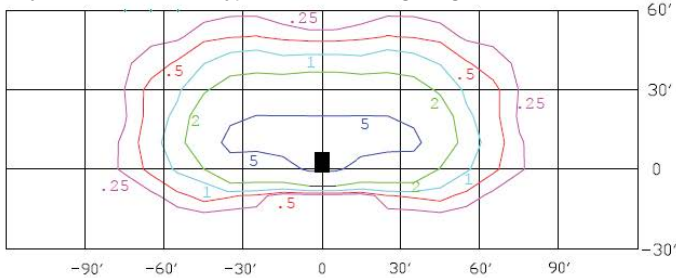
## Lamp Options

DESCRIPTION	STA41-01	STA41-02	STA25-03
Lamp Lumens	23,000	17,000	12,000
Watts	270	270	160
Life Time (L70)	50,000 hrs	50,000 hrs	50,000 hrs
CRI	75	95	75
CCT	5200K	5200K	5700K

## Dimensions



Layouts for BLP250 / Typical 30' Mounting Height / Calculations are in Footcandles



## Ordering Information

Product	Lamp	Distribution	EMC	Voltage	Accessories
<b>BLP250</b>	<b>P1</b> 41-01 <b>P2</b> 41-02 <b>P3</b> 25-03	<b>S2</b> IES Type II	<b>M</b> Mesh <b>N</b> No Mesh	<b>12</b> 120V <b>20</b> 208V <b>24</b> 240V <b>27</b> 277V <b>48</b> 480V	<b>KN</b> 2-3/8" Adjustable Knuckable Mount <b>PR</b> Twist-Lock Photocell w/ Receptacle <b>RC</b> Photocell Receptacle Only <b>DM</b> Dimming <b>WC</b> Wireless Control

Example: BLP250-P3S2M27PR

Note: With mesh, luminaire is FCC Part 18 Class A compliant.