

eSolarPowerLED™

PHOTOVOLTAIC POWER-LIGHT SYSTEMS

2015



eSolarPowerCELL™ Systems

*"We at Earth-Solar believe that access to **clean** and affordable energy, produced free of violence, is a universal human right."™*

www.eSolarMarket.com

Earth-Solar Technologies Corporation

Earth-Solar has refined a High Efficiency Applications Technical Portfolio (HEAT) that consist of the highest efficiency lighting, appliances and equipment available to integrate into solar and urban-scale wind energy networks. The eSolarPowerLED™ Photovoltaic Power Lighting Systems outlined herein are a core part of the company's HEAT Portfolio.

1. **DESIGN-ENGINEERING:** Subject to a preliminary Memorandum of Understanding Earth-Solar will design-engineer all components and systems at no extra charge.
2. **eSolarPowerLED™ DELIVERED:** Earth-Solar delivers the LED lighting components as herein described. There is a minimum order of fifty (50) units unless lighting is ordered as part of a complete eSolarPowerCELL System.
3. **BALANCE OF SYSTEMS (BOS) LOCALLY ASSEMBLED:** Earth-Solar supplies Technical Dimensions & Specifications for lamps, fixtures, wiring, plugs, light poles, brackets and battery cabinets for both Indoor and Outdoor Street Lighting so that locally based technicians can install and owned retail businesses supply these structural components and local industries can form and expand around manufacturing them.
4. **BOS DELIVERED BY EARTH-SOLAR:** If it is preferred then Earth-Solar can also supply the Balance of Systems (BOS) pre-assembled.

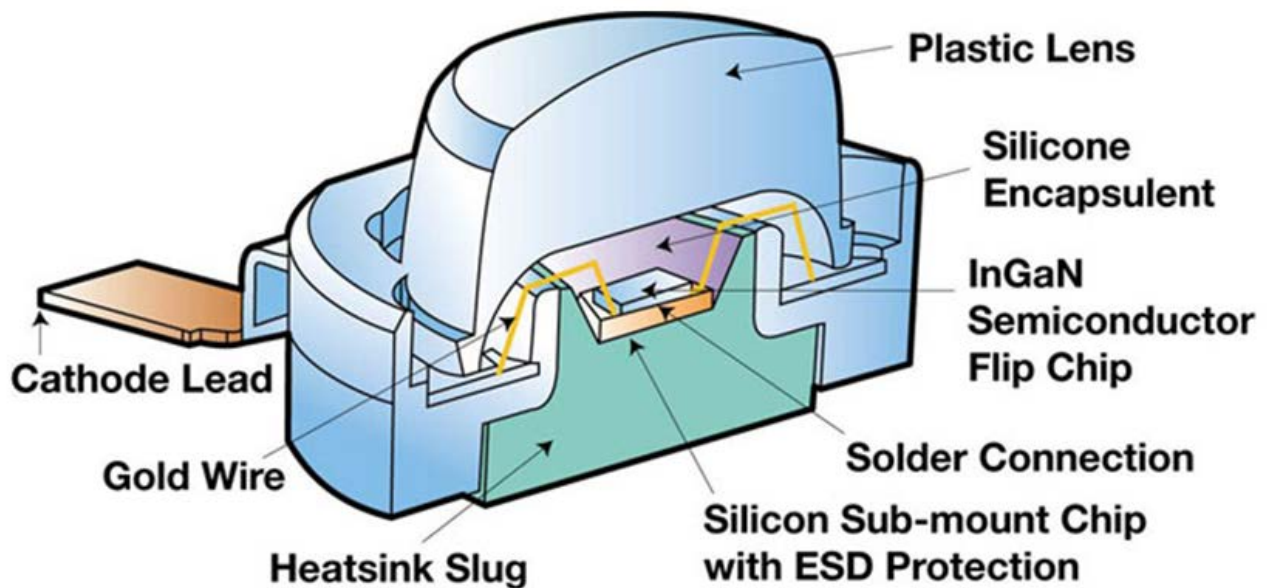
eSolarPowerLED™ PHOTOVOLATIC INTERNAL POWER-LIGHTING SYSTEMS are core components of Sustainable Community Development. Any community that is advancing in the modern world must have reliable and efficient lighting for comfort, safety, commerce and the well-being of all citizens 24 hours/ day.

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LED BULBS

LED is the abbreviation for Light Emitting Diode. The LED is a solid-state semiconductor device that converts electrical energy directly into visible light. The following is the typical construction of an LED.



LEDs offer:

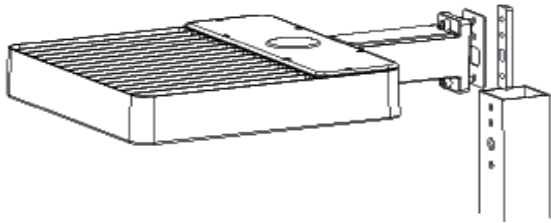
- ⤴ Long life up to 50,000 hours/ 6 – 7 Years
- ⤴ 50-90% less energy required than incandescent
- ⤴ No glass
- ⤴ No filament
- ⤴ No heat
- ⤴ No UV
- ⤴ No mercury
- ⤴ Lower maintenance/replacement costs

eSolarPowerCELL™ Systems

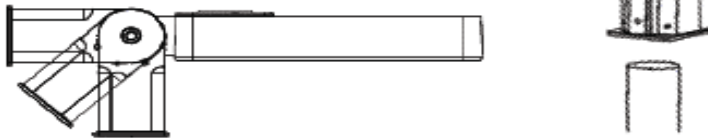
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COMPONENT :	LED STREET LIGHT-HEAD
Order #	eSP.LTSLSBX01



**Adjustable
Installation
Angle: -90~+90°**



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Operating Parameters

STREET LIGHT-HEADS

Color Pure White

Color Temp 5000K

Low Voltage 12-24 VDC

Power 32 W

Current 2.667 A (12 VDC)

Operating Temp ~~-30°C ~~+50°C

Efficacy 100 lm/W

Lumens 9780 lm

Max Candela 1762 cd

- **5 Year eSolarPowerCELL Warranty**

- **ETL Listed**

- **Replaces Existing MH/ HPS Fixtures from 100 W to 175 W**

- **ETL Listed, RoHS Compliant**

- **Type II Oval Illumination Pattern**

- **Energy Savings from 45% to 75%**

- **Low Voltage**

- **Longer Life / Sustainability / Dependability**

- **30 Years of eSolarPowerCELL Design, Engineering & Manufacturing Experience**

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SYSTEM # eSP.SL02



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MINIMUM ORDER

■ No minimum when ordering Lights with a complete eSOlarPowerCELL™ System

■ 10 Units of Each Lighting Model Purchased if Purchasing Lighting Only

Please consult your local eSOlarPower Regional Development Officer

Or



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Voice 317.926.7000

Text/ SMS 317.926.7000

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