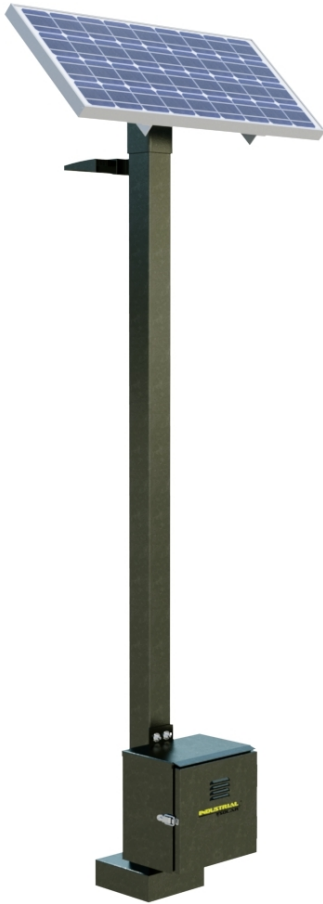




## Solar Commercial Lighting

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- |                        |                             |
|------------------------|-----------------------------|
| <b>Roads</b>           | <b>Pedestrian Crossings</b> |
| <b>Parking Lots</b>    | <b>Piers</b>                |
| <b>Walking Paths</b>   | <b>Playgrounds</b>          |
| <b>Gates/Entryways</b> | <b>Work Areas</b>           |
| <b>Security</b>        | <b>And More!</b>            |

- 100,000 Hour LEDs
- High Efficiency Solar Panel
- Maintenance Free Battery
- Powder-coated Bronze
- Adjustable Solar Bracket



**Stand-Alone.  
Deploy Anywhere!**

- Prewired System Reduces Field Labor
- Dark Sky Approved
- Low Maintenance

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## CE is the Industry Leader

- Standard and Custom Designs
- In-house Engineering, 2D and 3D
- Fast Lead Times
- #1 in Customer Support
- Large Inventory



## Luminaire Technical Specifications

### Listings

**UL Listing:** Suitable for wet locations.

**IESNA LM-79 & IESNA LM-80 Testing:** Luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

**Dark Sky Approved:** The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

### LED Characteristics

**Lifespan:** 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

**Color Consistency:** 7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

**Color Stability:** LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

**Color Uniformity:** Range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

### Construction

**IP Rating:** Ingress Protection rating of IP66 for dust and water.

**IES Classification:** The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

**Housing:** Precision die cast aluminum housing, lens frame and mounting plate.

**Gaskets:** High temperature silicone.

**Finish:** Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**Effective Projected Area:** EPA = 0.23.

**Green Technology:** LEDs are Mercury, Arsenic and UV free.

**Cold Weather Starting:** The minimum starting temperature is -40°F/-40°C.

**Ambient Temperature:** Suitable for use in 50°C (122°F) ambient temperatures.

**EPA:** 0.10.

**Thermal Management:** Integral cast aluminum mounting pad and external fins for optimal heat sinking to ensure cool operation with maximum LED life and light output.

**Two Mounting Options:** Junction Box with 5 Conduit Entry Points and Threaded Plugs for surface mounting plus Cover Plate for mounting over 4" recessed junction box included.

**For use on LEED Buildings:** IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

### Other

**Warranty:** Luminaire will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

**Equivalency:** The 20W is Equivalent in delivered lumens to a 50W Metal Halide Area Light.

**HID Replacement Range:** The 20W can be used to replace 35 - 70W Metal Halide Area Lights based on delivered lumens.

**Buy American Act Compliant:** This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

**Recovery Act (ARRA) Compliant:** This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods -- Buy American Act -- Construction Materials (October 2010).

**Trade Agreements Act Compliant:** This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

### Optical

**Lumen Maintenance:** The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

**Driver:** Two Multi-chip 10W high output long life LED Driver Constant Current, Class 2

Connexa Energy  
147 US Hwy 87  
Comfort, TX 78013  
830-995-3600  
sales@connexa.com  
www.Connexa.com

