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| Catalog Number: | |
| Project: | |
| Comments: | |
| Prepared By: | Date: |

Description

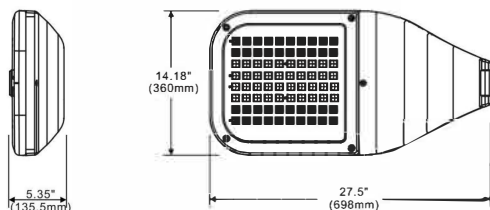
The LWS-LSL Street light combines a robust, stylish fixture design with best-in-class energy efficiency. Equipped with 10 year Heavy Duty LED Light Engines to illuminate local, collector and major roadways; also suitable for highway access ramps and some area lighting applications. The LWS-LSL Series performs efficiently and reliably against rugged outdoor environment. Constructed of die-cast aluminum the LWS-LSL utilizes the Lumecon ETD™ Thermal Design backed by a 10 year performance warranty, is Dark Sky friendly and is protected against surge with a best in Class 40kA surge suppression system.

Performance Data

| Model | Watts | Equiv | Delivered Lumens | Efficacy |
|------------------------|-------|-------|------------------|----------|
| LWS-LSL-30 (Type V) | 31W | 175W | 4,555 Lm | 148 LPW |
| LWS-LSL-30 (Type III) | 31W | 175W | 4,549 Lm | 149 LPW |
| LWS-LSL-30 (Type II) | 31W | 175W | 4,342 Lm | 141 LPW |
| LWS-LSL-60 (Type V) | 58W | 250W | 8,655 Lm | 150 LPW |
| LWS-LSL-60 (Type III) | 58W | 250W | 8,618 Lm | 149 LPW |
| LWS-LSL-60 (Type II) | 58W | 250W | 8,201 Lm | 141 LPW |
| LWS-LSL-80 (Type V) | 75W | 400W | 11,190 Lm | 150 LPW |
| LWS-LSL-80 (Type III) | 75W | 400W | 11,175 Lm | 149 LPW |
| LWS-LSL-80 (Type II) | 75W | 400W | 10,605 Lm | 141 LPW |
| LWS-LSL-110 (Type V) | 102W | 400W | 15,280 Lm | 150 LPW |
| LWS-LSL-110 (Type III) | 99W | 400W | 14,600 Lm | 148 LPW |
| LWS-LSL-110 (Type II) | 100W | 400W | 14,830 Lm | 149 LPW |

Dimensions & Weights

| Model | Width | Height | Depth | Weight |
|---------|--------|--------|-------|---------|
| LWS-LSL | 14.18" | 5.35" | 27.5" | 15 lbs. |



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 Note: Specifications and photometric data are subject to change at any time without notice. Please see www.lumecon.com for current specifications and documentation.

Technical Specifications

Input Voltage: 120-277V or 347-480V

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and use less wattage than typical LED area lights.

Lens: Tempered clear glass lens.

Mounting: Mounts to a Tenon Arm with a max O.D. of 2 3/8"

Color Temperature: 2700K WW, 3000K OW, 4000K NW (standard), 5000K CW.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 70 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80.

Luminaire Vibration Testing: Passed ANSI C136.31 Vibration testing for both "Normal" and "Bridge/Overpass" acceleration applications, simulating wind- and traffic-induced vibrations. The testing utilized the predetermined resonant frequency of the fixture, and was tested to 100,000 cycles in all 3 axes to a peak acceleration level of 3G.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Ubicquia® Wireless Controls: Turn every Lumecon light into a smart city hub to control lights, densify WIFI and provide data backhaul. Ubicquia Ubicell Wireless Node allows for advanced light control via Ubivu Control Platform. All nodes are self-provisioning on power-up and are global Carrier LTE compatible with no Gateways or Concentrators required. Single SKU 120v to 480v operation, 22 Satellite Global GPS and Celestial Clock, Simultaneous Metering for Line and Load, High Accuracy Tilt and Vibration sensor, 10 second Last Gasp and Nonvolatile Memory, OTA Updates and a 10 year warranty. Ask your local Lumecon Representative for more information.