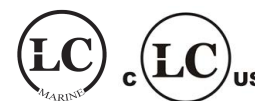


## LS Performance Spec

### TEMPORARY STRINGER LIGHT



Webpage



Manual



## LS Series - Performance Specification for Industrial Grade LED Luminaires

### 1. Luminaire Housing and System Design

- 1.1. cULus and LC listed to match the specific area rating.
- 1.2. Flexible mounting options to allow implementation of the luminaire category for a variety of applications.
- 1.3. Passes 7J impact exceeding IK08 requirements.
- 1.4. Copper-free cast aluminum and borosilicate glass.
- 1.5. Polycarbonate impact, flame and UV resistant lens.
- 1.6. Stainless steel fasteners.
- 1.7. Pressure equalized housing with breathing membrane to accommodate atmospheric differences between the sealed interior and external environment.
- 1.8. Secondary fastening point for all overhead luminaires.
- 1.9. Ingress protection rating of IP66 and IP67.
- 1.10. Retention straps for all accessible junction points.
- 1.11. Heat sink fin spacing, and orientation shall be optimized for drainage, snow/ice melt as well as debris shedding.

### 2. Light Emitting Diode Specification

- 2.1. Reported TM21 Lifetime data for L80 shall be greater than 72,000h based on typical junction point temperature at 25°C ambient temperature and typical drive current.
- 2.2. Correlated colour temperature shall be 5,000K (+/- 300K) for indoor and 3,000K (+/- 300K) for outdoor applications.
- 2.3. Minimum CRI value of 80+ to provide accurate representation of colors and increased visual acuity.

### 3. Power Supply Specification

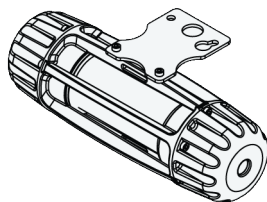
- 3.1. Auto ranging constant-current output power supplies that are optimized for the anticipated thermal load.
- 3.2. 0-10V dimmable.
- 3.3. Lifetime projection (not MTBF) of > 100,000h.
- 3.4. Built-in surge suppression.

### 4. Manufacturing

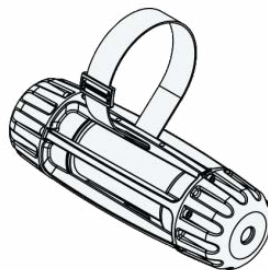
- 4.1. Manufacturer shall have no less than 10 years of experience in supplying industrial and hazardous location LED based luminaires.
- 4.2. The luminaire shall be manufactured in an ISO 9001:2015 certified facility in North America.
- 4.3. Project documentation and final packaging labels must match the luminaire types (where applicable) to support rapid deployment during the construction stage.

### 5. Warranty

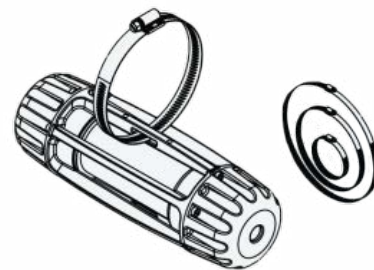
- 5.1. The manufacturer shall provide a 5-year luminaire warranty, which shall include housing, light engine and power supply.
- 5.2. The warranty shall be tied to and tracked based on luminaire serial number and be transferable from the original purchaser to the final facility owner / operator.



Surface Mount (LS-SM)



Strap Mount (LS-ST)



Stainless Steel Clamp Mount