

TWR Lighting, Inc. Orga[®]

Enlightened Technology[®]

L550-865 White(LED)

Medium Intensity White Obstruction Light

White flashing obstruction light for reliable day and night time marking of structures that present a hazard to aviation. Incorporates the benefits of advanced LED and control technologies to meet the challenges of the most demanding applications.



Key features

- Five year warranty
- Simple cable connection for easy installation
- Low cost of ownership
- Very low power consumption
- Stabilized intensity across full operational temperature range
- Lightweight and easy to install
- No maintenance required over service life
- Integrated design with built-in photocell and monitoring - no additional power supply enclosures required
- 15 year field proven power supply technology
- Constant power draw - eliminates high peak power demands especially important when running from UPS
- Long life power supply to match LED life, does not use electrolytic capacitors
- Optional Infra-red output at 850mm
- Use as a stand alone light or as part of a system.

Standards/Certification

- Obstruction light complies with:
 - United States Federal Aviation Administration AC 70/7460-1K; Obstruction Marking and Lighting
 - ICAO Annex 14, volume I; International standards and recommended practices: Aerodrome design and operations, 4th Edition, July 2004, chapter 6.3
 - Various national approvals

Performance characteristics

- Effective intensity 20,000 cd white
- Horizontal beam coverage = 360°
- Vertical beam profile: 3° minimum
- Stabilized intensity control over operating temperature range
- Form "C" Failure contact built-in

Electrical characteristics

- Operating voltage: 110-230 V_{AC} nominal; 50-60 Hz
- Power consumption: (see table)
- Connection Details: Supplied with a combined power and alarm connection cable
- LED protection and diagnostic monitoring for optimum reliability
- Overvoltage protection: Class D
- Built in overvoltage protection, designed to meet: Class III according to IEC61643-1
- HV/HC certified (Pending)

Physical characteristics

- Light Dimensions (L x W x H): 510x510x240mm / 20.6"x 20.6"x9.4" nominal
- Light Weight: 13.6kg/30Lbs. Nominal
- Design degree of protection: IP65
- Operating temperature range: -55°C to +55 °C/-67°F to +130°F

System design, control and monitoring

- Proprietary optical design
- Individual LED protection and monitoring
- Automatic shutdown feature if 25% LEDs are not operating
- Level indicators for correct mounting
- Optional Orga CIP controller facilities provides control interfaces for :
 - "smart switch" aircraft detection input
 - visibility condition variable intensity input
 - remote photocell control input/override

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