ILS-3600-CAT-0IR

L-866(L)/L-885(L) Dual LED
White Day/Red Night Catenary System

WHERE ENGINEERING MEETS PASSION.™

ILS-3600-CAT-0IR

DESCRIPTION

The **ILS-3600-CAT-IR Medium Intensity Catenary Dual Lighting System** provides day time and night time marking of catenary support structures. ILS-3600 systems utilize LED technology and precision optics to provide a low power, low light pollution, dual tower lighting solution. **All electronics is accessible at ground level** reducing the need for costly tower climbs. The flash head contains only LEDs and a multi-stage surge suppression network. System modularity facilitates maintenance and long term reliability.

Features

- Precision optical design minimizes both “sky-glow” and “ground-scatter” light pollution.
- **Infrared** operation included.
- **Multi-stage surge suppression** networks included in the flash head and at ground level.
- Rated for up to **800 ft** of flash head cable.
- No microprocessor or driver electronics above ground level.
- Designed to maximize serviceability at ground level.
- **GPS** synchronization of flash cycle requires only the addition of a GPS antenna (ANT-018X-GPS-KIT).
- Dry contacts (Form-C) provided for White Alarm, Red Alarm, Side Light, Photocell, GPS and Power Fail alarms and day/night mode.
- DIP switch selectable for White/Red (L-866(L)/L-885(L)) or White/White (L-866(L)) operation.
- Failure of the photocell to transition results in default to day mode operation.
- Indicator LEDs provided for red and white alarms, PEC alarm, side light alarm, operating mode and GPS functions and more.

Specifications

Standards:	ETL Certified AC150/5345-43J, Type L-866(L)/L-885(L)
Temperature:	-40°C to +55°C
Humidity:	Less than 95%, non-condensing
Day Intensity:	20,000 ±25% effective candelas
Night Intensity:	2,000 ±25% effective candelas
Beam Pattern:	360° Horizontal, ≥3° Vertical
Flash Rate:	60FPM
Side Lights:	0 to 4 Type L-810(L) LED, steady burning or flashing.
Flash Head:	Height: 14.7” (37.4cm), Diameter: 13” (33cm), 33lbs (15Kg)
Power Supply:	23.63”(60.0cm) x 16.57”(42cm) x 9.76”(24.8cm), 40lbs (18.1Kg)
Suppression:	70 Joule, 275V, Input Power, PEC, Side Lights 45 Joule, 275V, All Dry-Contact Alarms
Input Power:	120 or 240 Vac, 50/60 Hz Day: 135W White Night: 40W White/IR Night: 35W Red Night: 25W Red/IR Night: 50W

Intertek

ADLS GPS

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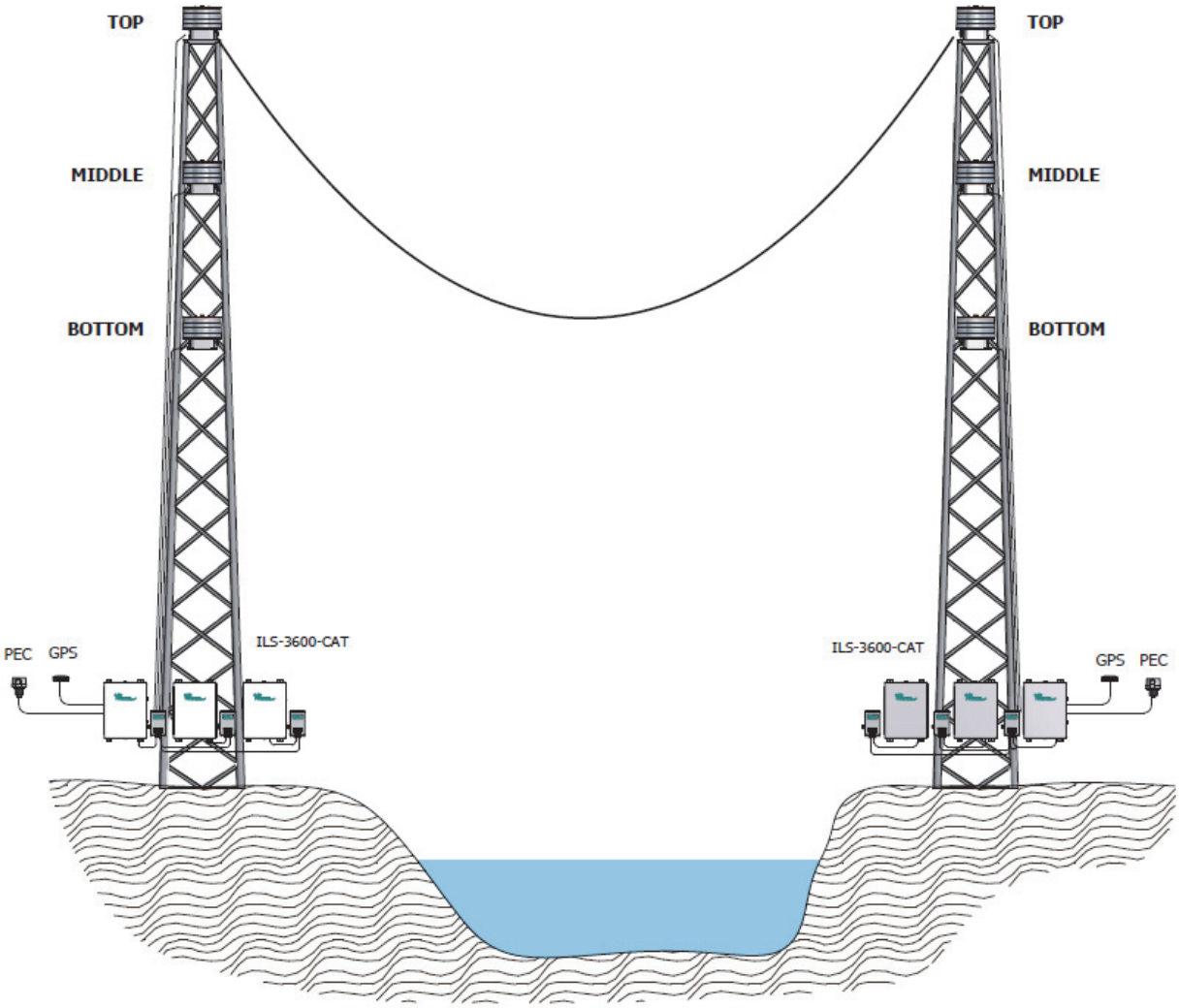
ILS-3600-CAT-IR Typical Application—Transmission Line River Crossing



Flash Sequence: Middle—Top—Bottom.
Top level lights mark the highest point of the catenary support structure.
Bottom level lights mark the lowest point of the catenary.
Middle level lights may be omitted if the distance between top and bottom lights is less than 100 ft.
Refer to FAA's Aeronautical Study of the structure for determination of required lighting system type.
See FAA Advisory Circular 70/7460 Obstruction Lighting and Marking for detailed requirements.