

# ILS-2600-CAT-0IR

L-866(L) LED

White Day/Night Catenary System

WHERE ENGINEERING  
MEETS PASSION.™



ILS-2600-CAT-0IR



## DESCRIPTION

The **ILS-2600-CAT-IR Medium Intensity White Catenary Lighting System** provides day time and night time marking of catenary support structures. ILS-2600 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.
- **GPS** synchronization of flash requires only the addition of a GPS antenna (ANT-018X-GPS-KIT).
- Dry contacts (Form-C) provided for White Alarm, Red Alarm, Infrared Alarm, Side Light, Photocell, GPS and Power Fail alarms and day/night mode.
- Failure of the photocell to transition results in default to day mode operation.
- Indicator LEDs provided for white alarms, PEC alarm, side light alarm, operating mode, GPS functions and more.

## Specifications

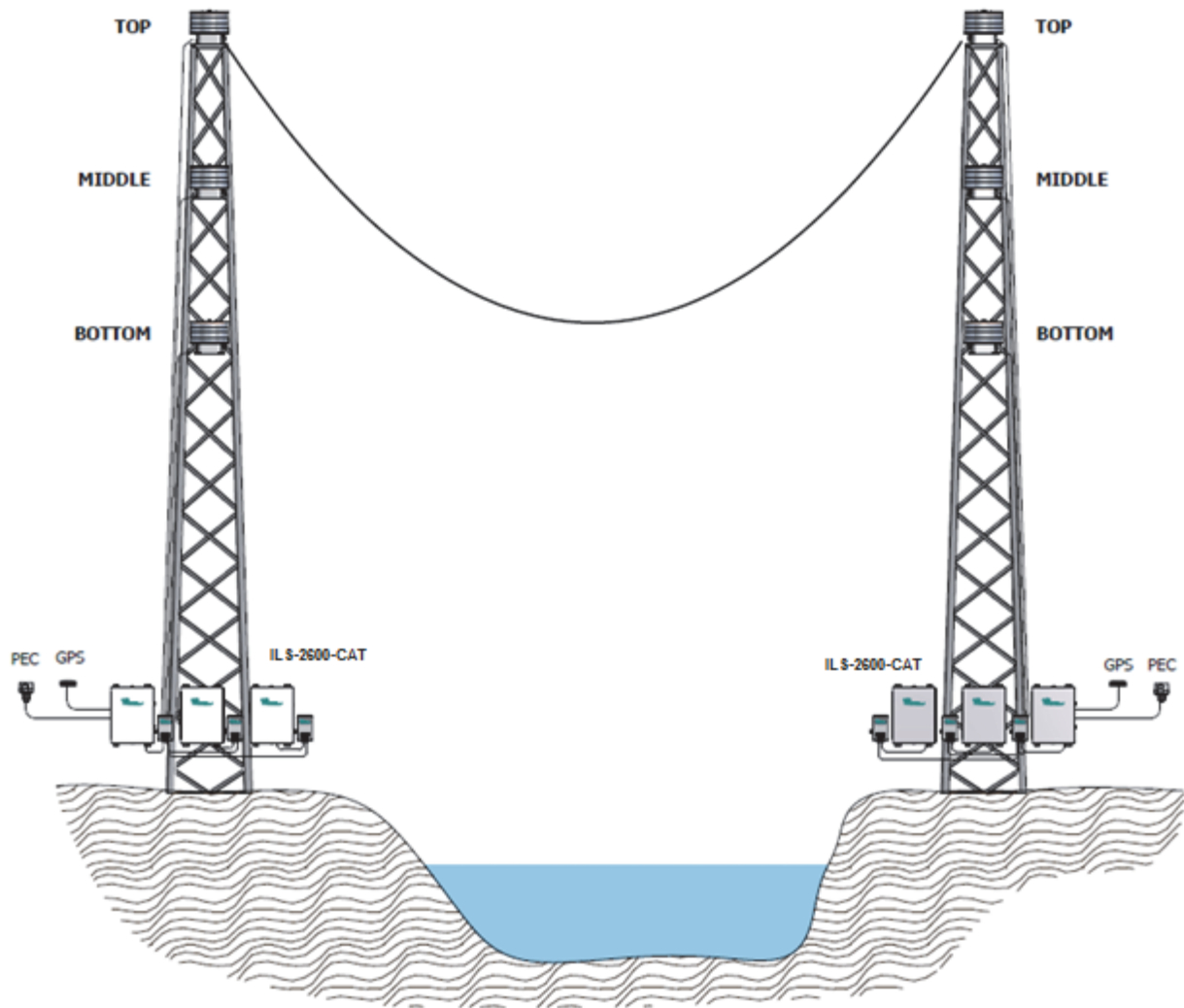
|                  |                                                                                            |
|------------------|--------------------------------------------------------------------------------------------|
| Standards:       | ETL Certified AC150/5345-43J,<br>Type L-866(L)                                             |
| 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                                                                                      |
| 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,<br>Side Lights<br>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                                                                        |



Night Vision Goggles (NVG) and Aviator's Night Vision Imaging Systems (ANVIS) translate infrared energy (IR) into brightness variations on a human visible display. These systems utilize various filters and technology that affect their sensitivity to infrared energy (IR) of different wavelengths. International Tower Lighting, LLC (ITL) makes no claim or representation that the infrared energy (IR) emitted by ITL obstruction lights is visible to any NVG, ANVIS or other night vision imaging system. In no event shall International Tower Lighting, LLC (ITL) or any of its representatives be liable for any damages, including, without limitation, direct, consequential, indirect, punitive, incidental or special damages, in connection with the infrared energy (IR) emitted by ITL obstruction lights and/or whether any NVG or ANVIS can detect such Infrared energy (IR) or whether the infrared energy (IR) emitted by ITL obstruction lights is visible to any NVG, ANVIS or other night vision imaging system, regardless of the form of action.



## ILS-2600-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.

