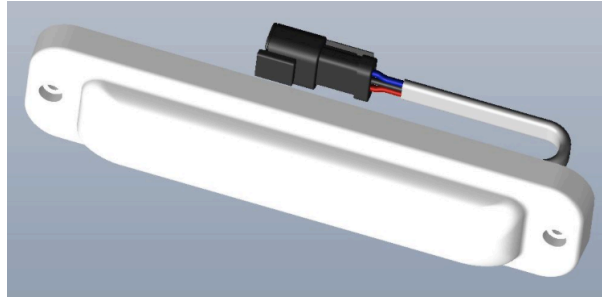


ULF32000 Series – Vehicle Interior Light



ULF32000 Series

The OptoElectronix[™] ULF32000 Series is designed for installation inside a vehicle for interior lighting. Consistent light quality is ensured with the use of customized integrated LED driver. The power input to the ULF31000 is typically from the vehicle's battery.

Features

- Dual color – White/Cyan for use with Night Vision Imaging System (NVIS)
- High reliability LEDs
- Wide operating voltage range
- Sealed construction
- No filaments, vibration proof suitable for off-road vehicles
- Waterproof: IP65

Key Applications

The ULF32000 is specifically designed for vehicle interior. It emits White light as well as in Cyan making it possible to be used with NVIS.

Typical operating voltage is 24V DC, but to cater for variations of voltages in a vehicle the unit can operate from 10V to 36V DC. Power connection is through Deutsch connector. Refer drawing for pin configuration.

Thermal Management

ULF32000 has a built-in heat sink for reliable operation. It was designed using thermal profiling and simulation so that the LEDs and components are operated significantly below the maximum specification limits, ensuring prolonged life-span even at ambient temperature of up to 85°C.

Certifications

IESNA LM80-08: LEDs used comply with LM80-08

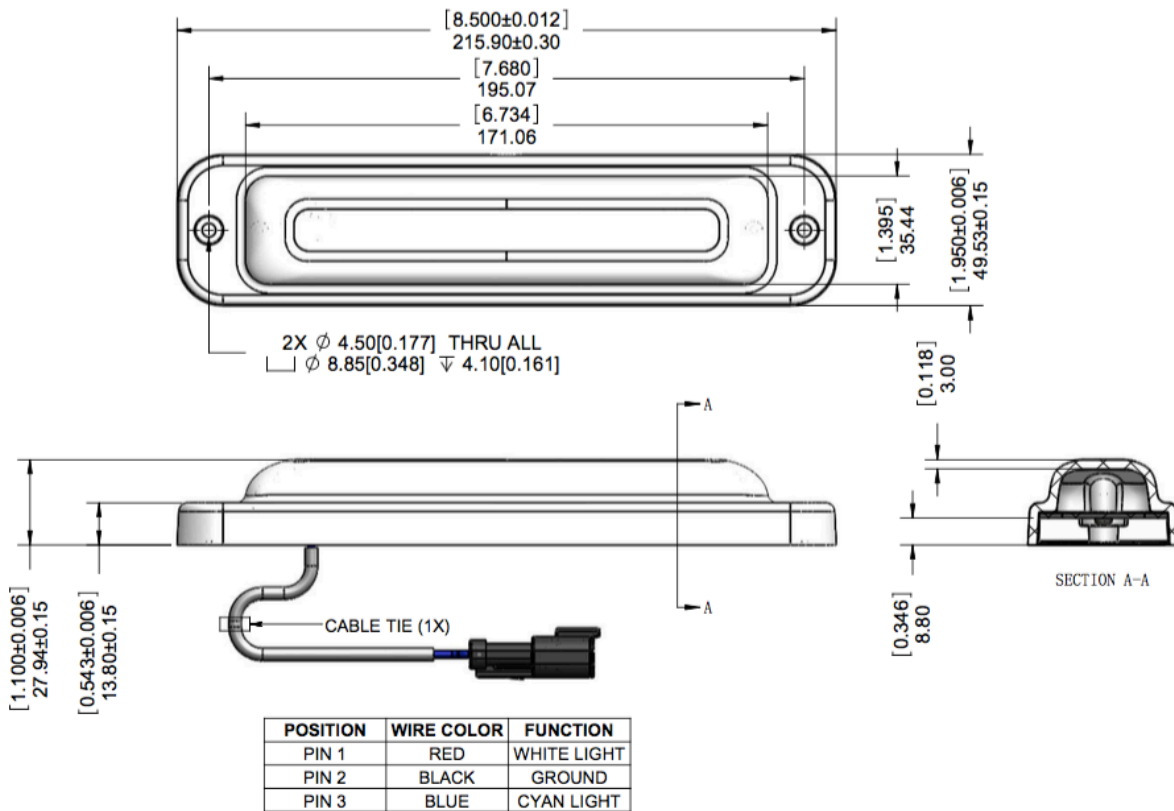
Ingress Protection: IP65

RoHS: Compliant

Mechanicals

[inches]
mm

Recommended Mounting :
Screw: Button Head Socket M4 x 0.7 or equivalent
Seating Torque: 2.2Nm



Product Specifications

ULF326VW K65C70W505		
Input Voltage DC (typical)	volts	24 (range 10 to 36)
Input Power (typical)	watts	2.3 (White) 2.5 (Cyan)
Luminous Flux (White)	lumens	120
Color Temperature (White)	°K	6500
Color Rendering Index (CRI)		70
Luminous Flux (Cyan)	lumens	85
Wavelength (Cyan)	nm	505
Beam Angle	degrees	120

Environmental Specifications	
Operating Temperature	-20°C to +85°C
Thermal Management	Self Cooled, no additional heat sinking required
Lumens Maintenance at L70	>35,000 hours (per LM80/TM21)
Warranty	35,000 hours or 5 years whichever comes first

Photometric

Illumination meets MIL-STD-3009 for Crewstation Area, General Illumination of min 10.8lux (Aisle Floor) and max 215lux (Crew lap level)

