

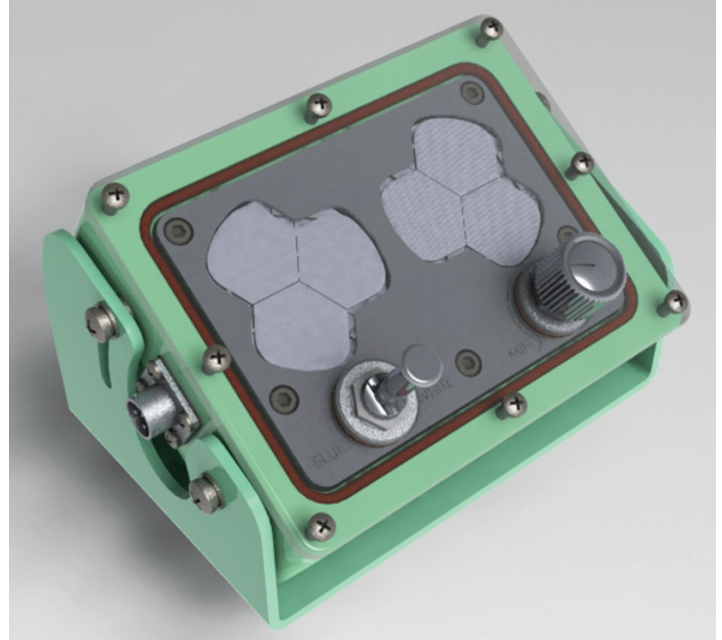


ELECTRONICS

The Rugged Bi-Color LED Area Light is an operationally tested, environmentally sealed, all-purpose area lighting device. The light is manufactured in the United States and is suitable for use in environments where night vision devices (NVD) are employed. The rugged MOPP compatible toggle switch selects white or blue illumination and the durable infinitely adjustable output control adjusts the illumination level from 5-100 percent. The robust mount provides lighting angle adjustment and a military specification connector provides connection to the vehicle's 28 Vdc electrical system. The light requires less than 30W of power. No preventative maintenance is required.

PRODUCT SPECIFICATION

RUGGED BI-COLOR LED AREA LIGHT



GENERAL SPECIFICATIONS

Part Number: 0639A04

Dimensions: 6.1" L x 4" W x 4" H

Weight: 3.3 Lbs.

Enclosure:

- MIL-C-5541, Class 3, Coated 6061 Aluminum
- MIL-PRF-22750 compliance is achieved by MIL-C-24712 urethane powder coating
- Polycarbonate lens

Electrical:

- For use with a 28 Vdc electrical system that is compliant with MIL-STD-1275
- MIL-C-26482, Series I sealed connector

Illumination:

- White light illumination of 10 foot candles at 36" and output attenuation of 5 to 100 percent via an external control located on the enclosure.
- Blue (18.5") light illumination of 10 foot candles at 36" and output attenuation of 5 to 100 percent via an external control located in the enclosure.

Environmental:

- IP65 (Fixed output version meets IP67 to 1-Atmosphere)
- MIL-STD-461E radiated emissions, conducted susceptibility, and radiated susceptibility compliant.
- MIL-STD-1686C compliant meeting electrostatic discharge conditions specified in Section 5.2.2.1 and 5.2.2.6.

Human Machine Interface:

- MIL-STD-1472F, Paragraph 5.6.1; General.
- MIL-STD-1472F, Paragraph 5.4.2; Rotary Controls.
- MIL-STD-1472F, Paragraph 5.9 as guidance.
- MIL-STD-1472F, Paragraph 5.9.11.3.5; Carrying Limits.
- MIL-STD-1472F, Paragraph 5.5.6.2.1; General Requirements.
- MIL-STD-1472F, Paragraph 5.5.1.1; Application.

Reliability:

- Mean Time Between Failure (MTBF) > 50,000 hours.
- MIL-STD-1275D Reliability to section 4.1.3, 5.3.2.3, 5.3.2.4, 5.3.2.5 and exported spike conditions compliant (see Section 5.3.2.2)

Maintainability:

- Mean Time to Repair (MTTR): 30 minutes.