

Product Highlights

- Consistent diffuse illumination
- Improved performance with unique modular heat sink and circuit design
- Broad range of wavelengths available
- Five Sizes Available: 25, 50, 75, 100 and 150mm

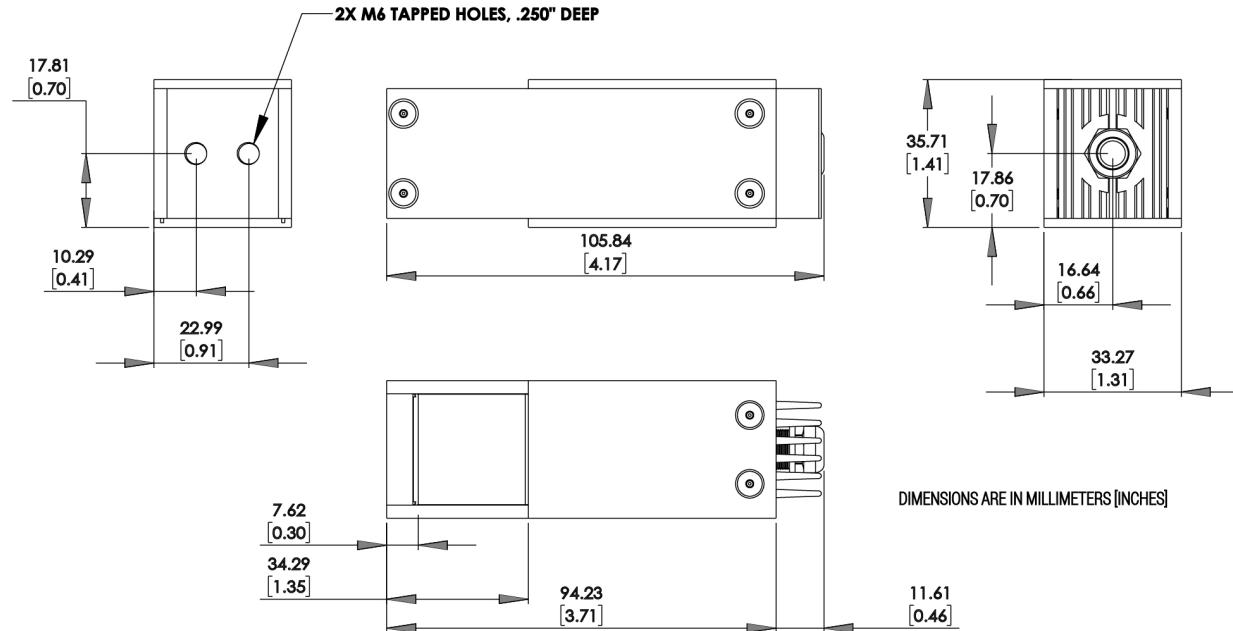


General Specifications

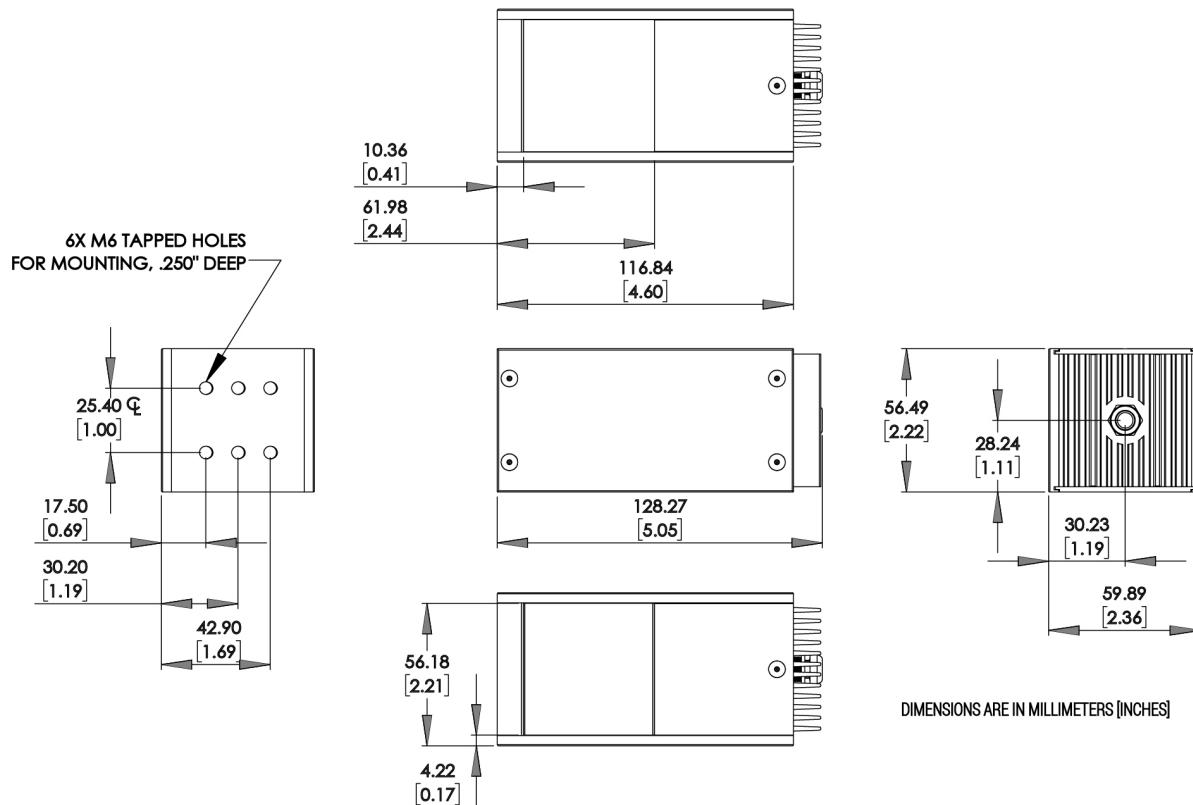
| | Part Number | Color | 24v Current | All Other Controls |
|--|---|-------------------------|-------------|--------------------|
| Electrical Specifications | DL225-025 | 365, 375, 385, 395, 405 | N/A | 0.8 A Max |
| | | 590, 625 | 0.06 A | 0.12 A Max |
| | | WHI, 455, 470, 530 | 0.06 A | 0.15 A Max |
| | | 850, 940 | N/A | 0.08 A Max |
| | DL225-050 | 365, 375, 385, 395, 405 | 0.35 A | 0.24 A Max |
| | | 625 | 0.12 A | 0.24 A Max |
| | | 590 | 0.12 A | 0.27 A Max |
| | | 455, 470, 530, WHI | 0.24 A | 0.27 A Max |
| | | 850 | 0.24 A | 0.62 A Max |
| | DL225-075 | 940 | 0.23 A | 0.66 A Max |
| | | 365, 375, 385, 395, 405 | N/A | 0.46 A Max |
| | | 590, 625 | 0.54 A | 0.40 A Max |
| | | 455, 470, 530, WHI | 0.54 A | 0.55 A Max |
| | | 850 | 0.35 A | 0.55 A Max |
| | DL225-100 | 940 | N/A | 0.55 A Max |
| | | 365, 375, 385, 395, 405 | 1.4 A | 0.85 A Max |
| | | 625 | 0.48 A | 0.96 A Max |
| | | 590 | 0.48 A | 1.2 A Max |
| | | 455, 470, 530, WHI | 0.96 A | 0.85 A Max |
| | DL225-150 | 850 | 0.7 A | 0.8 A Max |
| | | 940 | 1.4 A | 0.8 A Max |
| | | 365, 375, 385, 395, 405 | 2.1 A | 1.19 A Max |
| | | 590, 625 | 1.08 A | 1.09 A Max |
| | | 455, 470, 530, WHI | 2.16 A | 1.09 A Max |
| | | 850 | 1.05 A | 1.05 A Max |
| | | 940 | 2.1 A | 1.05 A Max |
| Normal Operating Temperature | 0 - 60°C | | | |
| Weight (Kg) | DL225-025: 187.89G (6.620Z) (.414LB) DL225-050: 351.90G (12.40Z) (.776LB) DL225-075: 818.30G (28.90Z) (1.80LB) DL225-100: 1396.2G (49.30Z) (3.08LB) DL225-150: 2863.1G (1010Z) (6.32LB) | | | |
| Standard Cable Information | Up to 2 meters (80") long - 105°C rated PVC jacket, foil shield with drain. | | | |
| Photobiological Risk Factor IEC 62471 | Exempt Applicable Wavelengths: 850, 940 Group 1 (Low-Risk) Applicable Wavelengths: 455, 470, 505, 530, 590, 625, 660, 730, WHI Group 2 (Moderate Risk) Applicable Wavelengths: 365, 375, 385, 395, 405 | | | |
| Compliance |    | | | |
| IP Rating | IP50 | | | |
| Lumen Maintenance | L70 = 50,000 hours | | | |

Mechanical Specifications

DL225-025

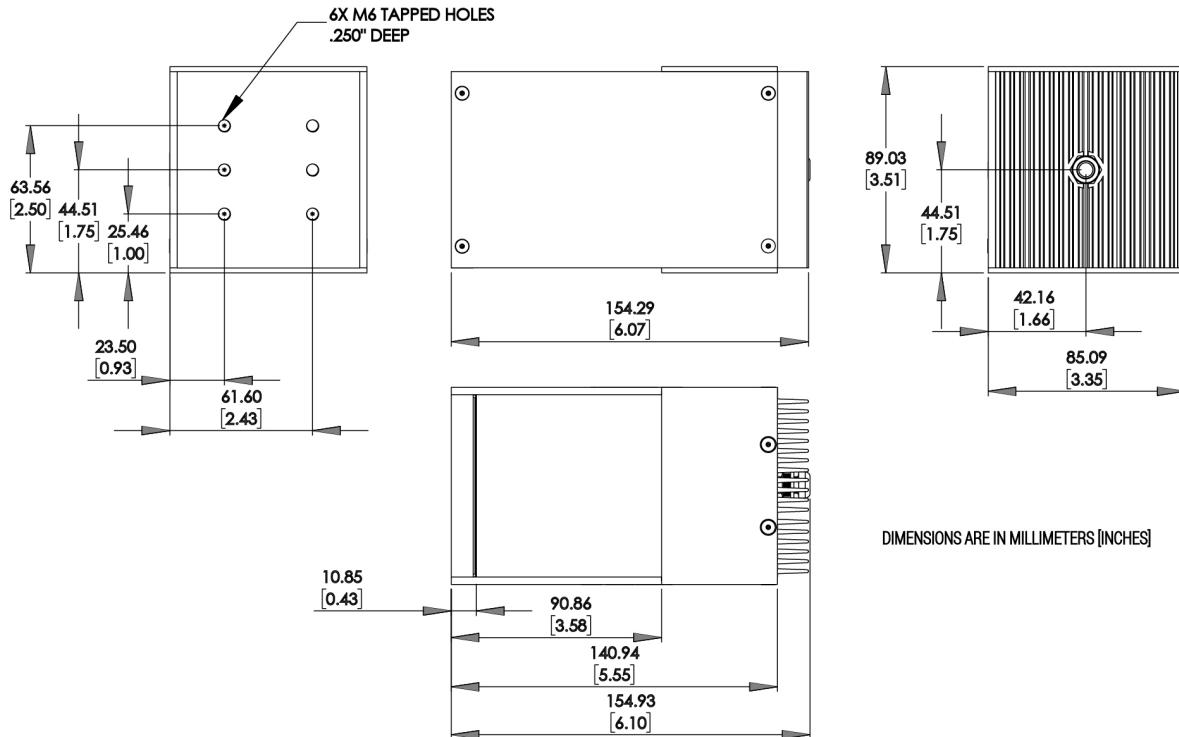


DL225-050

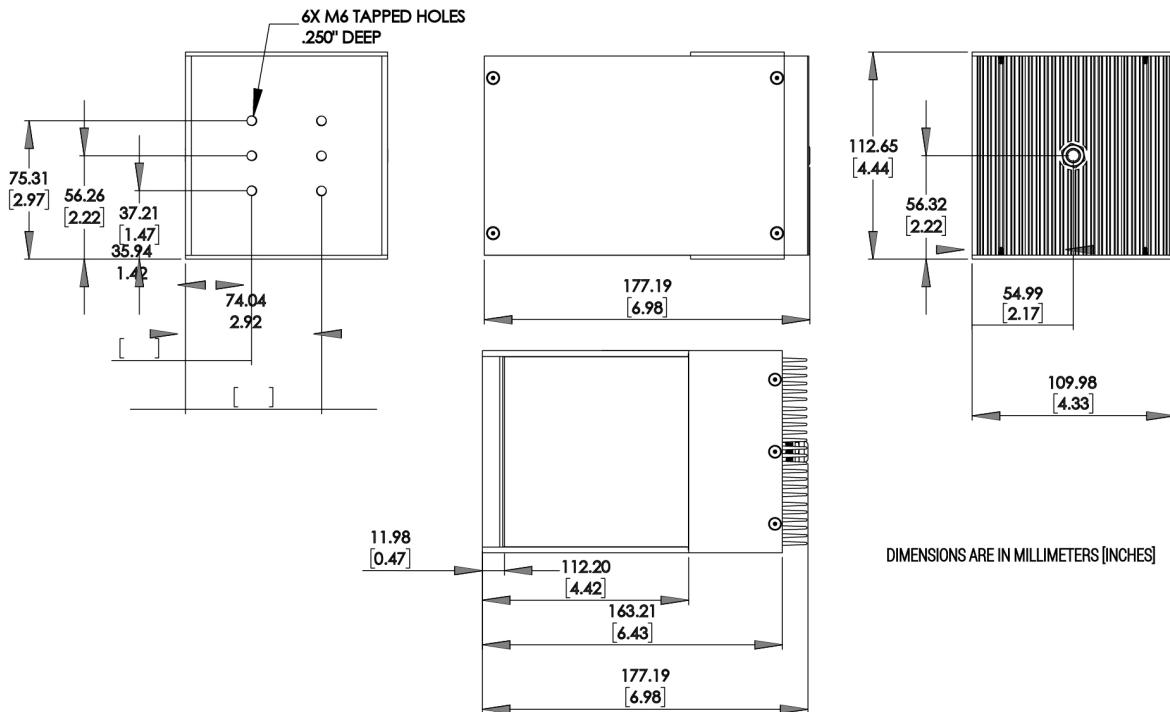


Mechanical Specifications

DL225-075

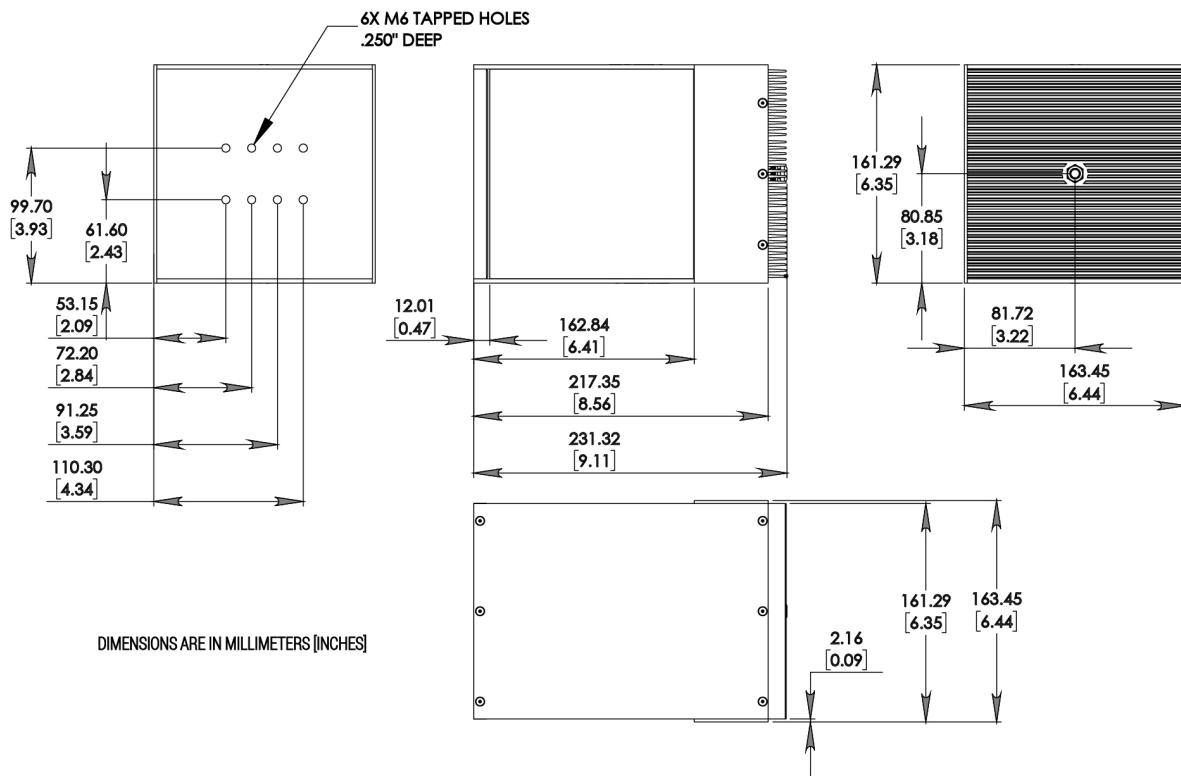


DL225-100



Mechanical Specifications

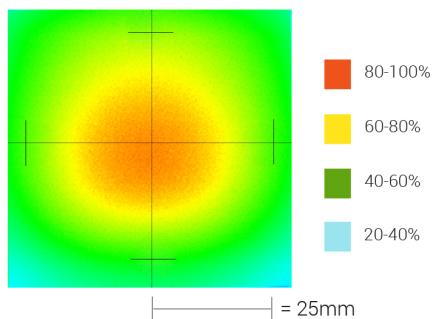
DL225-150



Optical Performance

DL225-025

Intensity Distribution

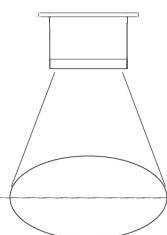


Optical measurement taken using DL225-025WHIIC @ 25 mm

Area of Illuminance & Intensity

Working Area (FWHM)
@ Working Distance

30.48 x 30.48 (mm)
@25 (mm)



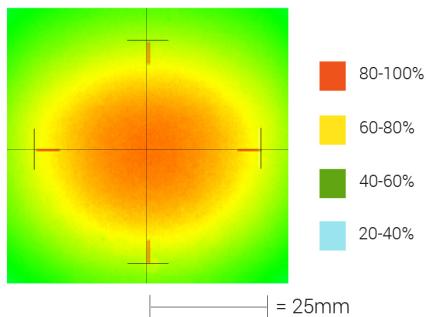
Light Output

Irradiance (W/M²): Min 55.25; Typ 65
Illuminance (kLux): Min 15.85; Typ 18

Optical Performance

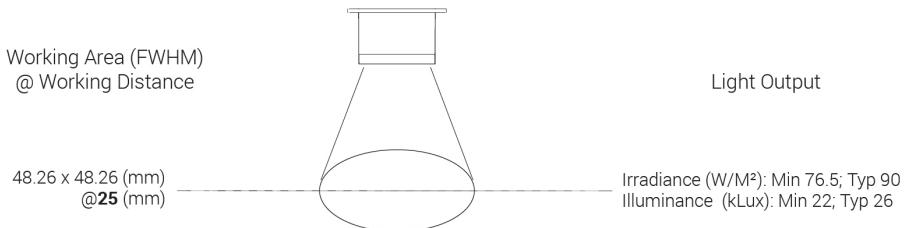
DL225-050

Intensity Distribution



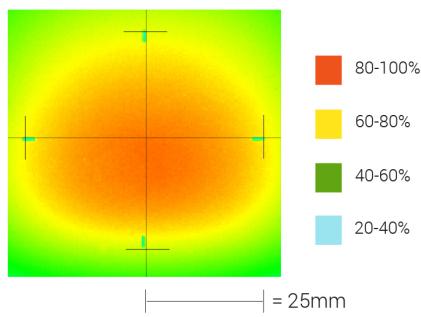
Optical measurement taken using DL225-050WHIIC @ 25 mm

Area of Illuminance & Intensity



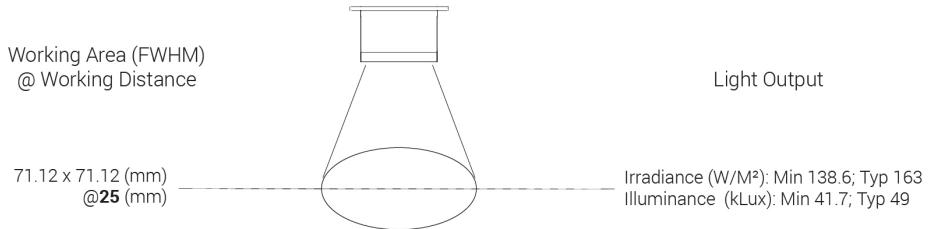
DL225-075

Intensity Distribution



Optical measurement taken using DL225-075WHIIC @ 25 mm

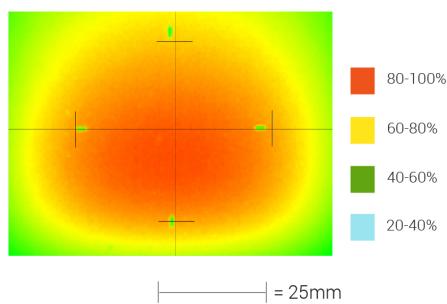
Area of Illuminance & Intensity



Optical Performance

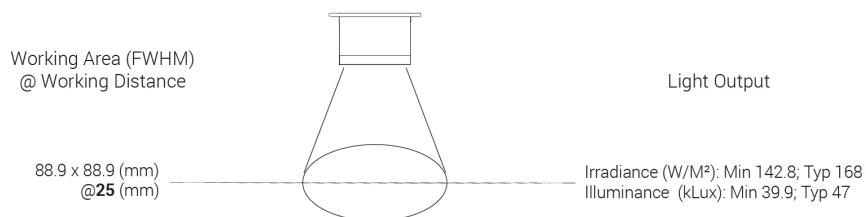
DL225-100

Intensity Distribution



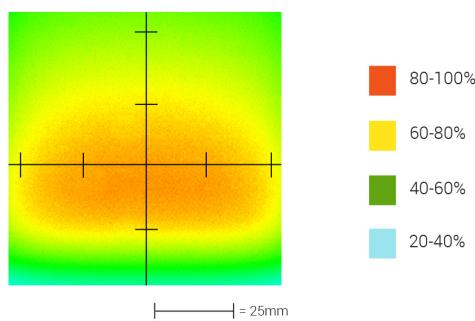
Optical measurement taken using DL225-100WHIIC @ 25 mm

Area of Illuminance & Intensity



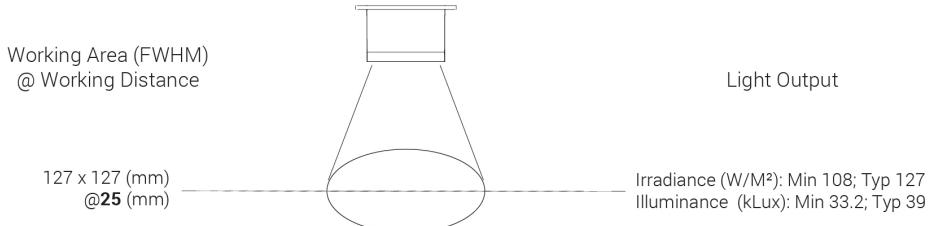
DL225-150

Intensity Distribution



Optical measurement taken using DL225-150WHIIC @ 25 mm

Area of Illuminance & Intensity



DL225 Series

Part Number Key

| Model | — | Lighted Length | Spectral Wavelength | Connector/Control | — | Alternative Connector |
|--|---|--|--|-----------------------------------|---|-----------------------|
| DL225 | — | XXX | XXX | XX | — | XXX |
| DL225 | | 025 050 075 100 150 (deep blue) 455 (blue) 470 (green) 530 (amber) 590 (red) 625 (IR) 850 (IR) 940 (white) WHI | (UV) 365 (UV) 375 (UV) 385 (UV) 395 (UV) 405 (UV) 455 (blue) 470 (green) 530 (amber) 590 (red) 625 (IR) 850 (IR) 940 (white) WHI | C1 C5 IC I3 I3S 24 | | M12 ¹ |
| Ex: DL225-050470C1 DL225-150WHIIC-M12 | | ¹ Available with IC, I3, I3S and 24v options only | | | | |

Stock Product: shipped within 3 days **Build to Order:** shipped within 2 weeks

DL225-050WHIIC
DL225-050635IC

Connector | Control Options

| C1 Connector | C5 Connector | ICS 2 (IC) | ICS 3 (I3) | ICS 3S (I3S) | 24 |
|--|---|---|---|---|--|
| For use with: DCS Series Controllers | For use with: Pulsar 320 Strobe Controller. | Continuous in-line controller Powered with: 24V power supply | Combination strobe/continuous in-line controller Powered with: 24V power supply | Default-OFF strobe/continuous in-line controller Powered with: 24V power supply | Flying/tinned leads Powered with: 24V power supply |

Operation and Wiring

ICS 2 (IC)

| Pin (M12) | Function | Wire Color |
|-----------|----------------------------|------------|
| 1 | +24 VDC | Brown |
| 2 | 0-10 VDC Analog Control | White |
| 3 | GND | Blue |
| 4 | GLO | Black |
| 5 | N/A | Gray |

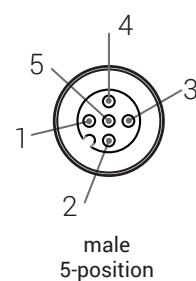
ICS 3 (I3 and I3S)

| Pin (M12) | Function | Wire Color |
|-----------|----------------------------|------------|
| 1 | +24 VDC | Brown |
| 2 | GND | White |
| 3 | GND | Blue |
| 4 | PNP/Active High Trigger | Black |
| 5 | 0-10 VDC Analog Control | Gray |

24 Volt

| Pin (M12) | Function | Wire Color |
|-----------|----------|------------|
| 1 | +24 VDC | Brown |
| 2 | N/A | White |
| 3 | -24 VDC | Blue |
| 4 | N/A | Black |
| 5 | N/A | Gray |

Optional M12 Pinout



Warranty Information

Every Advanced illumination, Inc. (Ai) product is thoroughly inspected and tested before leaving the factory. Products are warranted to be free of defects in workmanship and materials for a period of two years from the original date of purchase. Should a defect develop during this period, please contact Ai Customer Service or your Ai distributor for a Return Merchandise Authorization (RMA), and return the complete product, freight prepaid, to Ai. If a defect is found, Ai will - at our discretion - repair or replace the product without charge. Ai claims no liability for any implied warranties, including "merchantability" and "fitness for a specific purpose."

Electromagnetic Compatibility

This product was tested and complies with the regulatory requirements and limits for electromagnetic compatibility (EMC) as stated in the product specifications. These requirements and limits are designed to provide reasonable protection against harmful interference only when the product is operated in its intended industrial electromagnetic environment. To minimize the potential for electromagnetic interference or unacceptable performance degradation, install and use this product in strict accordance with the instructions in the product documentation.

Customer Service

For information on existing orders, or to make an order adjustment, contact us Monday through Friday 8:00 am to 5:00 pm, EST or send an email to orders@advill.com.

Company Information

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