

Product Highlights

- Even illumination over the full 150mm x 150mm field of view
- Aii's largest ADI (Axial Diffuse Illuminator), designed for inspecting objects of a specular nature

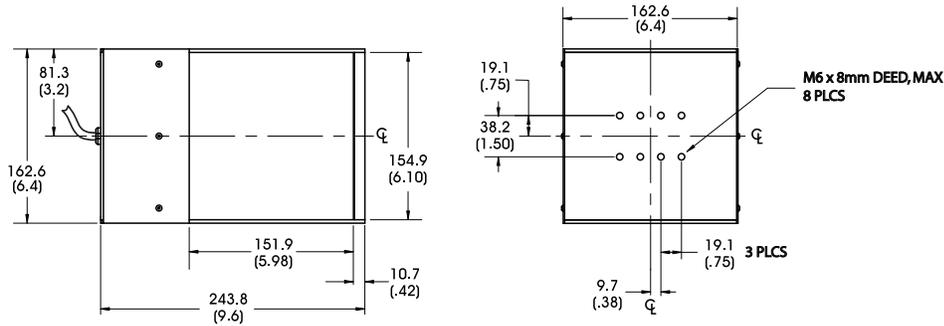


General Specifications

| Electrical Specifications | Color | 24v Current | All Other Controls |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|
| | 625, 880 | 1.62 A | 0.81 A Max |
| | 395, 470, 520, WHI | 1.08 A | 0.54 A Max |
| Normal Operating Temperature | 0 - 60°C | | |
| Weight (g) | 2,054.4 g (4lb. 9oz.) | | |
| 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: 880 Group 1 (Low-Risk) Applicable Wavelengths: 470, 520, 625, WHI Group 2 (Medium-Risk) Applicable Wavelengths: 395 | | |
| Compliance |  | | |
| IP Rating | IP50 | | |
| Lumen Maintenance | L70 = 50,000 hours | | |

DL085 Legacy Light

Mechanical Specifications



DIMENSIONS ARE IN MILLIMETERS (INCHES)

Part Number Key

| Model | — | Spectral Wavelength | Connector/ Control | — | Alternative Connector |
|------------------------------------|----------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|----------|-----------------------|
| DL085 | — | XXX | XX | — | XXX |
| DL085 | | (UV) 395 (blue) 470 (green) 520 (red) 625 (infra-red) 880 (white) WHI | C1 C5 IC I3 I3S 24v | | M12 ¹ |
| Ex: DL085-470C5 DL085-625I3-M12 | | | ¹ Available with IC, I3, I3S and 24v options only | | |

Stock Product: *shipped next day*
None

Build to Order: *shipped in two weeks*

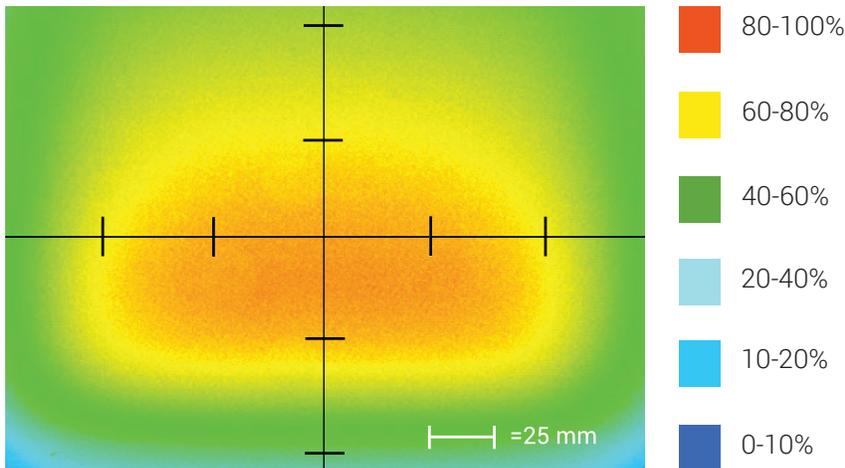
Connector | Control Options

| C1 Connector | C5 Connector | IC | I3 | 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 |

DL085 Legacy Light

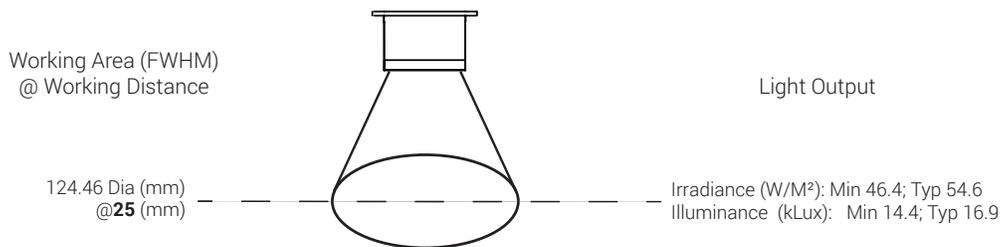
Optical Performance

Intensity Distribution



Optical measurement taken using DL085-WHI24 @ 25 mm

Area of Illuminance & Intensity



Operation and Wiring

ICS 2 (IC)

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

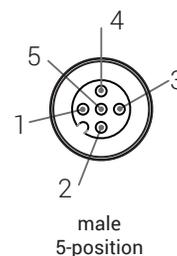
ICS 3 (I3 and I3S)

| Pin (M12) | Function | Wire Color |
|-----------|-------------------------|------------|
| 1 | +24 VDC | Brown |
| 2 | Reserved | 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 | GND | Blue |
| 4 | N/A | Black |

Optional M12 Pinout



DL085 Legacy Light

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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