Product Highlights

- Even illumination over the full 50mm x 50mm field of view

- Heat sinking to cool the illumination source
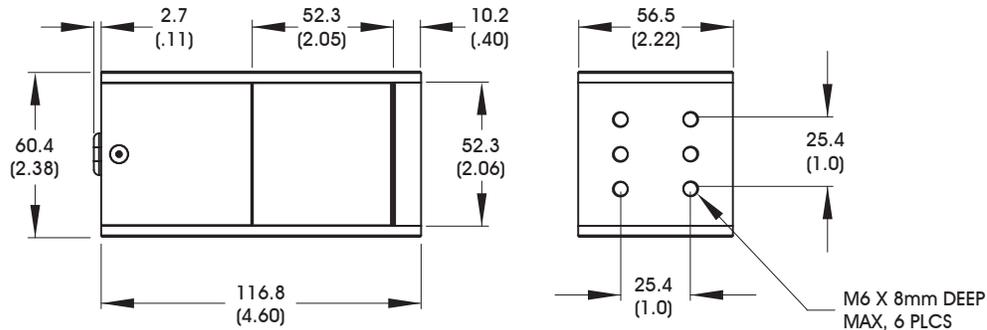

General Specifications

	Color	24v Current	All Other Controls
Electrical Specifications	625, 880	0.24 A	0.12 A Max
	395, 470, 520, RGB, WHI	0.16 A	0.08 A Max
Normal Operating Temperature	0 - 60°C		
Weight (g)	226.8 g (8.0 oz)		
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, RGB, WHI **Group 2 (Medium-Risk) Applicable Wavelengths:** 395		
Compliance	CE RoHS IEC 62471		
IP Rating	IP50		
Lumen Maintenance	L70 = 50,000 hours		

Mechanical Specifications

```
2.7          52.3        10.2              56.5
(.11)        (2.05)      (.40)             (2.22)

60.4                              52.3      25.4
(2.38)                            (2.06)    (1.0)

116.8                    25.4            M6 X 8mm DEEP
(4.60)                   (1.0)           MAX, 6 PLCS
```

DIMENSIONS ARE IN MILLIMETERS (INCHES)

Part Number Key

Model	—	Spectral Wavelength	Connector/ Control	—	Alternative Connector
DL2449	—	XXX	XX	—	XXX
DL2449		(UV) 395 (blue) 470 (green) 520 (red) 625 (infra-red) 880 (all colors) RGB (white) WHI	C1 C2 C5 IC I3 [2] I3S [2] 24v		M12 [1]

Ex: DL2449-470C5
    DL2449-625I3-M12

[1] Available with IC, I3, I3S and 24v options only
[2] Not available in RGB

Stock Product: *shipped next day*
  DL2449-62524
  DL2449-625IC
  DL2449-625C2

Build to Order: *shipped within two weeks*

Connector | Control Options

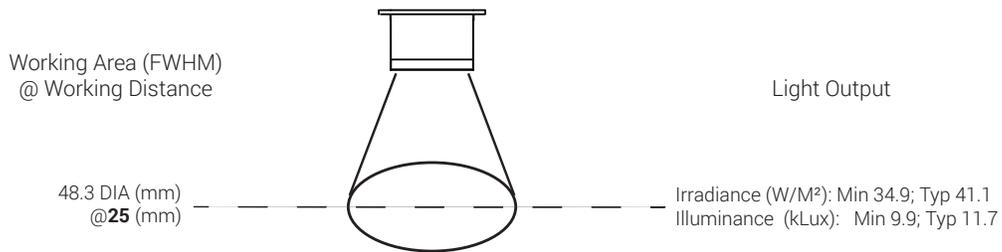| C1 Connector	C2 Connector	C5 Connector	IC	I3	I3S	24
For use with: DCS Series Controllers	*For use with:* Legacy Controllers (Not recommended for new applications)	*For use with:* Pulsar 320 Strobe Controller.	Continous in-line controller *Powered with:* 24V power supply	Combination strobe/continous in-line controller *Powered with:* 24V power supply	Default-OFF strobe/continous in-line controller *Powered with:* 24V power supply	Flying/tinned leads *Powered with:* 24V power supply

Optical Performance

Intensity Distribution

- 80-100%
- 60-80%
- 40-60%
- 20-40%
- 10-20%
- 0-10%
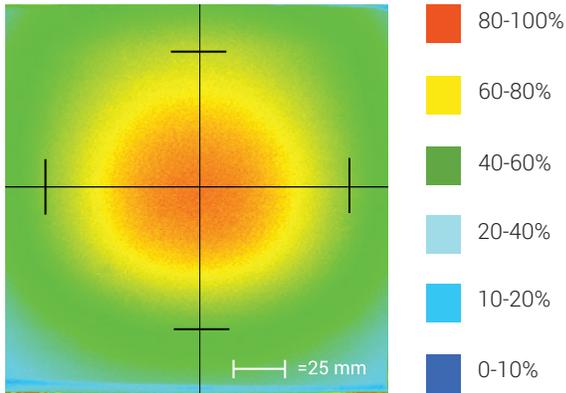
≡25 mm

Optical measurement taken using DL2449-WHIIC @ 25 mm

Area of Illuminance & Intensity

Working Area (FWHM)
@ Working Distance

48.3 DIA (mm)
@**25** (mm)

Light Output

Irradiance (W/M²): Min 34.9; Typ 41.1
Illuminance (kLux):   Min 9.9; Typ 11.7

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

male
5-position
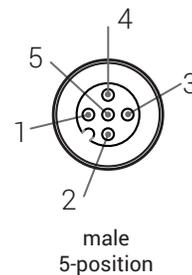
Warranty Information

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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