

DL9160

Diffuse Dome Light



- Aii** Traditional diffuse light for use with reflective objects.
- Aii** Rugged metal construction; available in RGB "All color" version.

Ordering Information

Standard Product:
Shipped Next Day

DL9160

P/N: DL9160-660
Configured for use with Ai
Power Supply

Standard Product Variation:
Shipped Within Two Weeks

| | | |
|----------|------------------------|---------------------------------|
| | Spectral wavelength | Optional power Compatibility |
| DL9160 - | XXX | XX |
| | (UV) 395* | IC |
| | (blue) 470 † | 12 |
| | (green) 520 † | 24 |
| | (yellow) 590 | |
| | (orange) 625 | |
| | (red) 660 | |
| | (infra-red) 880 | |
| | (White) WHI † | |
| | (all color) RGB † | |

Optimal working distance:
12.5mm (.5")

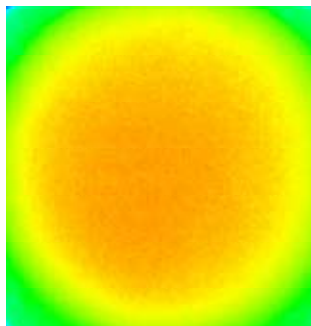
Effective Working Range:
12.7-50mm (.5"-2")

*UV LEDs have a considerably shorter half-life than other LEDs (<1000hrs). For this reason Ai recommends these LEDs be used in strobe mode only. For applications requiring continuous 24v power, contact Ai for assistance.

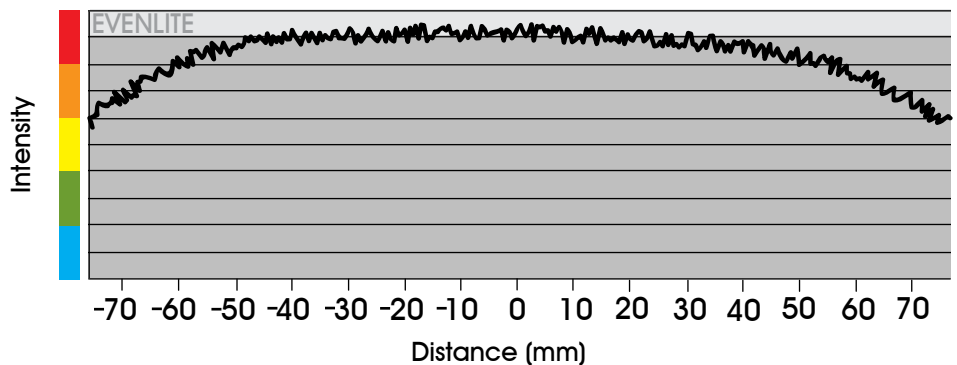
† Not available in 12v

Light Consistency Information

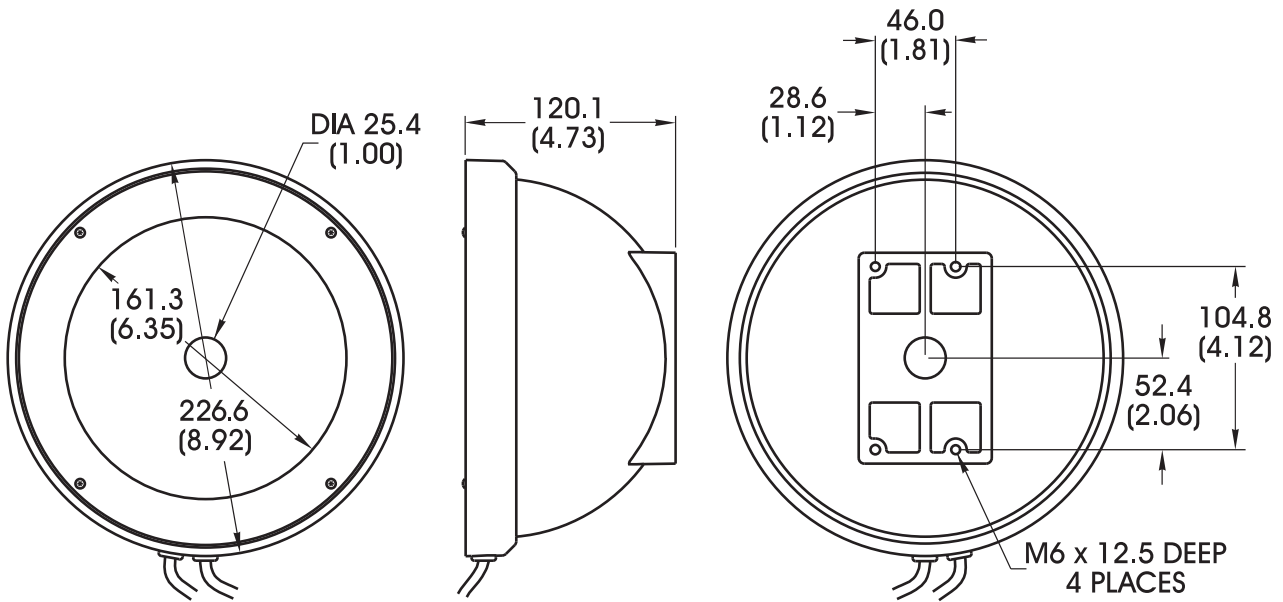
Intensity Distribution



Intensity Cross Section



Dimensional Information



Dual Cable
Cable Length: 1.5 Meter (59")

DIMENSIONS ARE IN MILLIMETERS (INCHES)

Includes Mounting Bracket (Part # CB013)

Standard Variation Current Specifications

| | blue | green | yellow | orange | red | infra-red | white | RGB | |
|-----|------|-------|--------|--------|-----|-----------|-------|-----|----|
| @12 | N/A | N/A | 360 | 360 | 360 | 360 | N/A | N/A | mA |
| @24 | 480 | 480 | 360 | 360 | 360 | 360 | 480 | 720 | mA |
| Ai | 580 | 580 | 460 | 460 | 460 | 460 | 580 | 820 | |

Standard Product Information

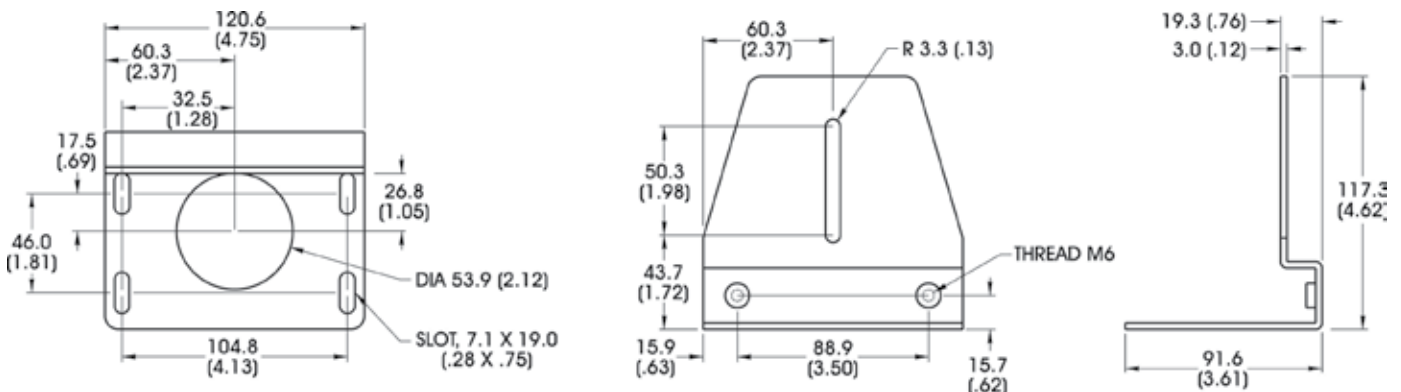
| Red | Max. Illumination | Irradiance (mW/cm ²) | Illuminance (Lux) |
|-------|--------------------------|----------------------------------|-------------------|
| | Working Distance: 12.5mm | 1.69 | 1,350 |
| | Working Distance: 25.4mm | 1.50 | 1,180 |
| | Lifetime | 50,000 hrs | |
| White | Max. Illumination | Irradiance (mW/cm ²) | Illuminance (Lux) |
| | Working Distance: 12.5mm | 1.27 | 5,100 |
| | Working Distance: 25.4mm | 1.12 | 4,420 |
| | Lifetime | 10,000 hrs | |

General Specifications

Weight: 1,724 g (60.8 oz)
Finish: Painted
Operating Temperature: 0-60°C
Meets Specifications: CE, RoHS

Additional Information

Mounting Bracket Dimensions:



802.767.3830