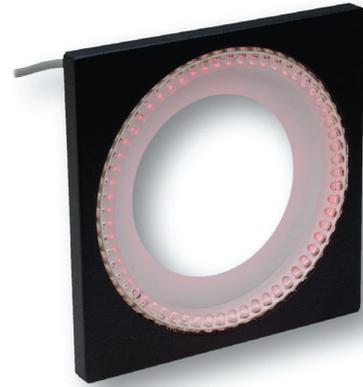


Product Highlights

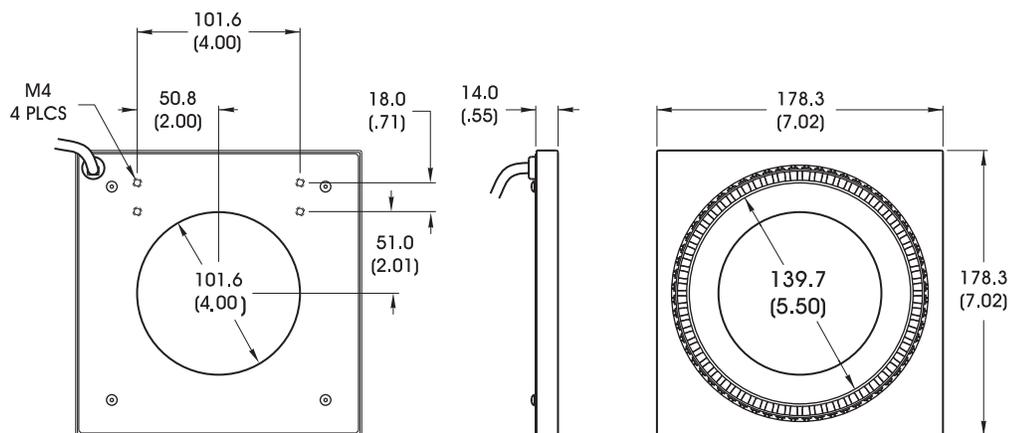
- 35mm field of view standard; 45mm and 70mm FOV optional
- Solves a wide array of imaging problems where low angle of incidence and radial illumination are required



General Specifications

	Color	24v Current	All Other Controls
Electrical Specifications	625, 880	0.36 A	0.27 A Max
	470, 520, WHI, 395	0.24 A	0.18 A Max
Normal Operating Temperature	0 - 60°C		
Weight (g)	642 g (24 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, WHI Group 2 (Moderate Risk) Applicable Wavelengths: 395		
Compliance			
IP Rating	IP40		
Maximum Case Temperature	55°C		
Lumen Maintenance	L70 = 50,000 hours		

Mechanical Specifications



DIMENSIONS ARE IN MILLIMETERS (INCHES)

Part Number Key

Model	—	Spectral Wavelength	Field of View	Connector/ Control	—	Alternative Connector
RL1660	—	XXX	XX	XX	—	XXX
RL1660		395 (UV) ²	35	C1		M12 ¹
		470 (blue)	45	C2		
		520 (green)	70	C5		
		625 (red)		IC		
		880 (IR)		I3		
		WHI (white)		I3S		
				24		
Ex: RL1660-39545IC-M12 RL1660-53035C1			¹ Available with IC, I3, I3S and 24v options only 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.			

Stock Product: *shipped next day*
 RL1660-62535C2

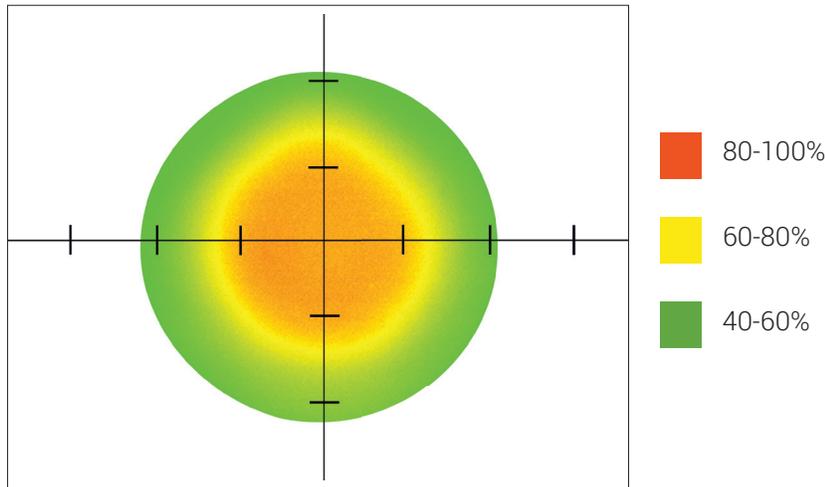
Build to Order: *shipped in two weeks*

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.	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

Optical Performance

Intensity Distribution

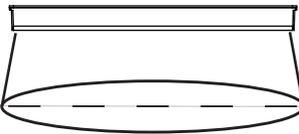


Optical measurement taken using RL1660-66035I3 @ 25 mm

Area of Illuminance & Intensity

Working Area (FWHM)
@ Working Distance

89 Dia (mm)
@25 (mm)



Light Output

Irradiance (W/M²): Min 28.6; Typ 33.6
Illuminance (kLux): Min 2.1; Typ 2.5

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

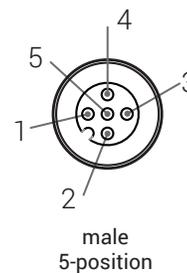
ICS 3 (I3 and I3S)

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



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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