

Product Highlights

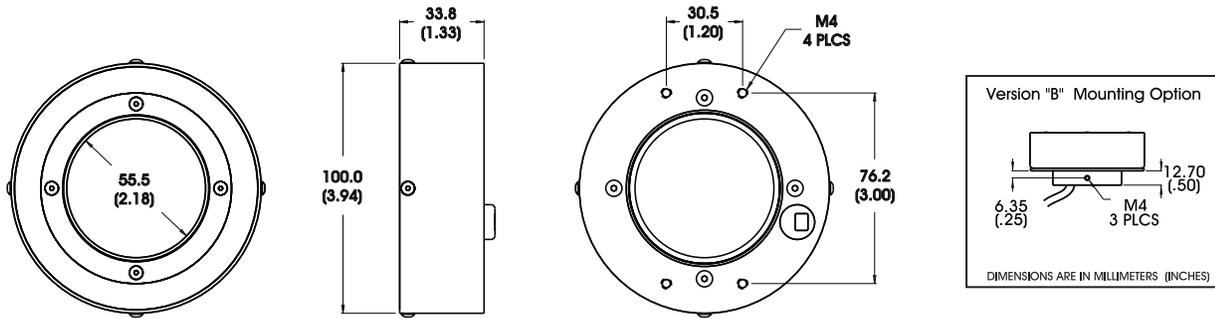
- Dual Functionality - bright field and dark field illumination in a compact housing
- Bright Field and Dark Field can be used independently.



General Specifications

Electrical Specifications	Color	24v Current		All Other Controls	
		Bright Field	Dark Field	Bright Field	Dark Field
	625, 880	0.12 A	0.24 A	0.04 A	0.12 A
	WHI	0.08 A	0.16 A	0.027 A	0.08 A
	470	0.08 A	0.17 A	0.027 A	0.09 A
	520	0.08 A	0.18 A	0.027 A	0.10 A
	395	0.08 A	0.19 A	0.027 A	0.11 A
Normal Operating Temperature	0 - 60°C				
Weight (g)					
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, 530, 625, WHI Group 2 (Moderate Risk) Applicable Wavelengths: 395				
Compliance					
IP Rating	Not Rated				
Lumen Maintenance	L70 = 50,000 hours				

Mechanical Specifications



DIMENSIONS ARE IN MILLIMETERS (INCHES)

Part Number Key

Model	Mounting Options	—	Spectral Wavelength	Connector/Control	—	Alternative Connector
RL5064	XXX	—	XXX	XX	—	XXX
RL5064	leave blank for standard or B (barrel)		(UV) 395 (blue) 470 (green) 520 (red orange) 625 (red) 660 (infra red) 880 (white) WHI	C1 C2 C5 IC I3 I3S 24		M12 ¹
Ex: RL5064B-395C2 RL5064-625I3-M12				¹ Available with IC, I3, I3S and 24v options only		

Stock Product: *shipped next day*
None

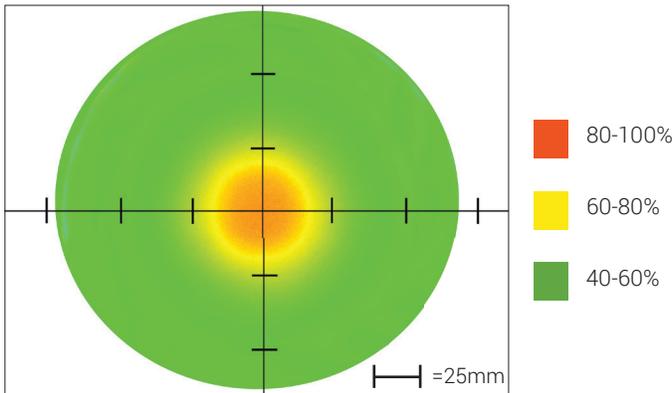
Build to Order: *shipped in two weeks*

Connector | Control Options

C1 Connector	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

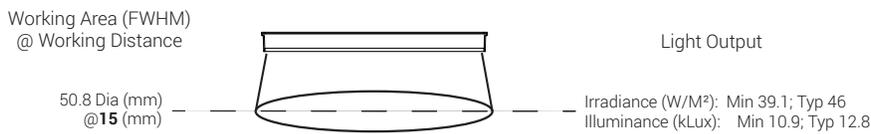
Optical Performance

Dark Field Intensity Distribution

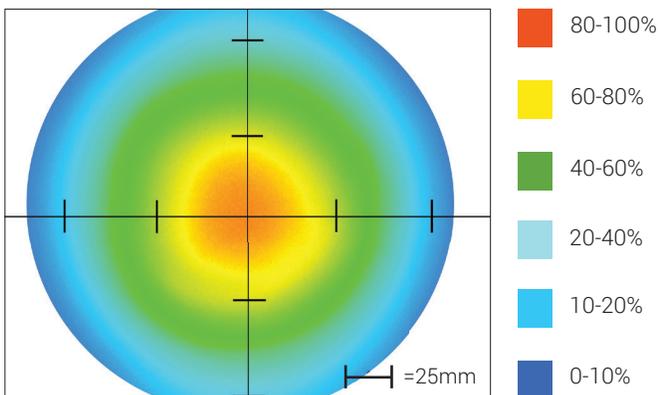


Optical measurement taken using RL5064-625C2 Dark Field @ 15 mm

Dark Field Area of Illuminance & Intensity

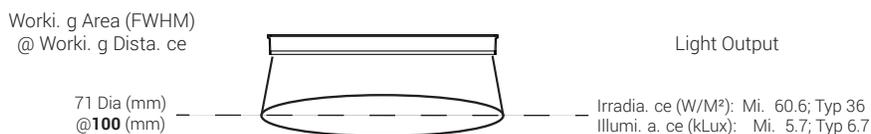


Bright Field Intensity Distribution



Optical measurement taken using RL5064-625C2 Bright Field @ 15 mm

Bright Field Area of Illuminance & Intensity



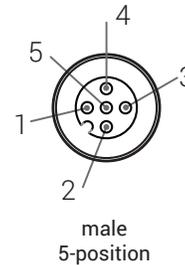
Operation and Wiring

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



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.