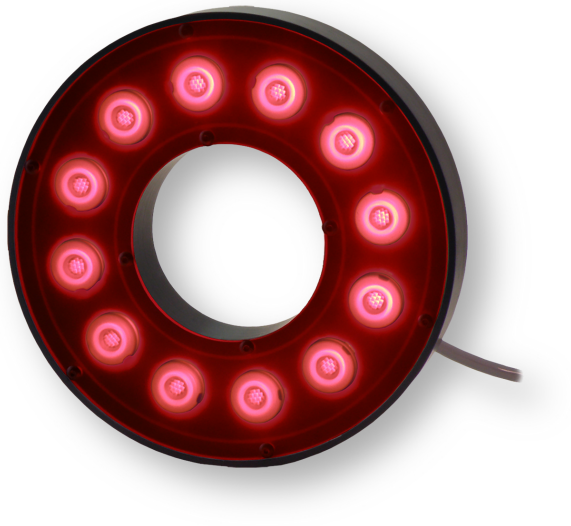
RL113

High Intensity Bright Field

Product Highlights

- The RL113 High Intensity Bright Field ring light offers a very wide array of wavelengths from UV to IR.



General Specifications

Electrical Specifications	Color	24V Current	All Other Controls
	365, 375, 385, 395, 405	0.54 A	0.90 A Max
	590, 625, 660, 730	0.51 A	0.64 A Max
	455, 470, 505, 530, WHI	0.54 A	0.81 A Max
	850, 940	0.51 A	0.80 A Max
Normal Operating Temperature	0 - 60°C		
Weight	725.7g (25.60z)		
Standard Cable Information	Up to 2 meters (80") long - 105°C rated PVC jacket, foil shield with drain		
Photobiological Risk Factor	Exempt Applicable Wavelengths: 850, 940 Line 1.5 Line 2 Line 2 Line 2		
Compliance	CE, RoHS, IEC 6247		
IP Rating	IP67		
Lumen Maintenance	L70 = 50,000 Hours		

Part Number Key

Model	Lens Option[4]	—	Spectral Wavelength	Connector/ Control	—	Alternative Connector
RL113		—	XXX	XX	—	XXX
RL113	M (medium) W (wide) (narrow lens comes standard when left blank)		(UV) 365 (UV) 375 (UV) 385 (UV) 395 (violet) 405 (royal blue) 455 (blue) 470 (cyan) 505 (green) 530 (amber) 590[2] (red orange) 625[2] (red) 660 (infra-red) 730 (infra-red) 850 (infra-red) 940 (white) WHI	C1 C5 IC I3 I3S 24		M12[1]

Ex: RL113M-470C5
RL113-625I3-M12

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

[4] Beam angle (FWHM):
narrow = 8°
medium = 21°
wide = 29°

Stock Product: *shipped within 3 days*
RL113-WHIIC

Build to Order: *shipped within 2 weeks*

Electrical Specs

ICS 2 (IC)

Pin (M12)	Function	Wire Color
1	+24 VDC	Brown
2	0-10 VDC Analog Control	White
3	GND	Blue
4	GLO	Black
5	N/A	Gray

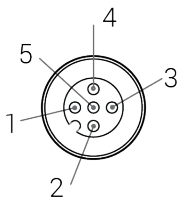
ICS 3 (I3 and I3S)

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

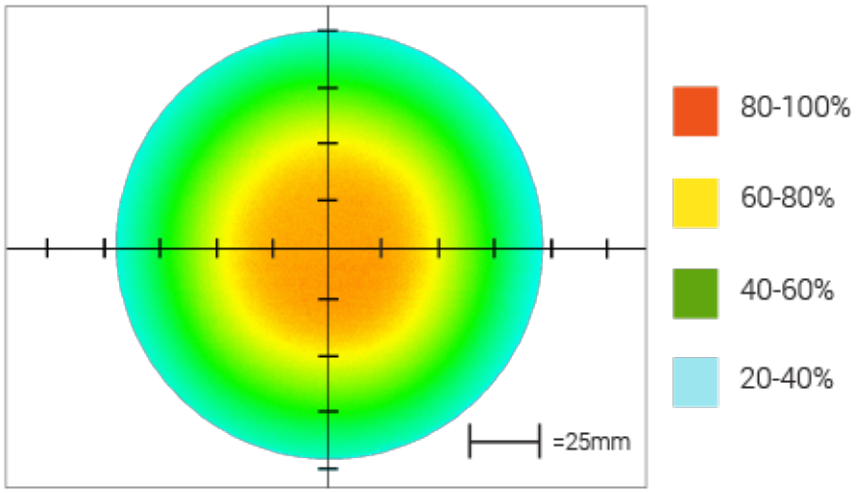
Optional M12 Pinout



male
5-position

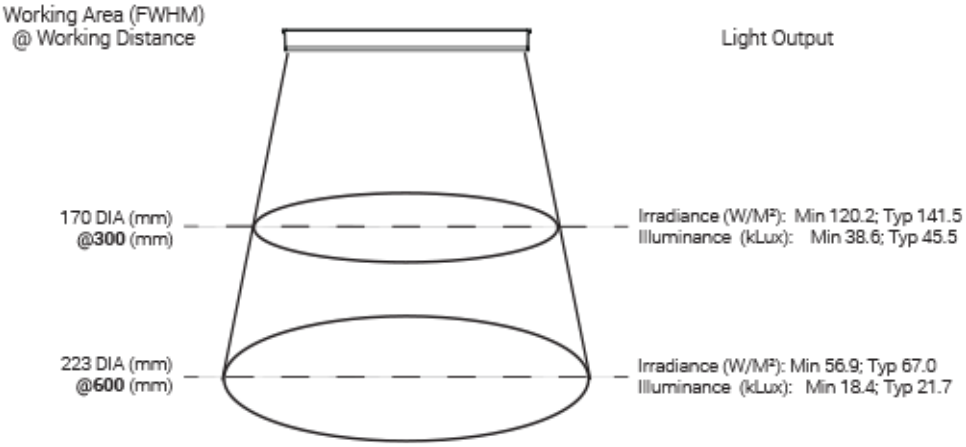
Optical Specs

Intensity Distribution

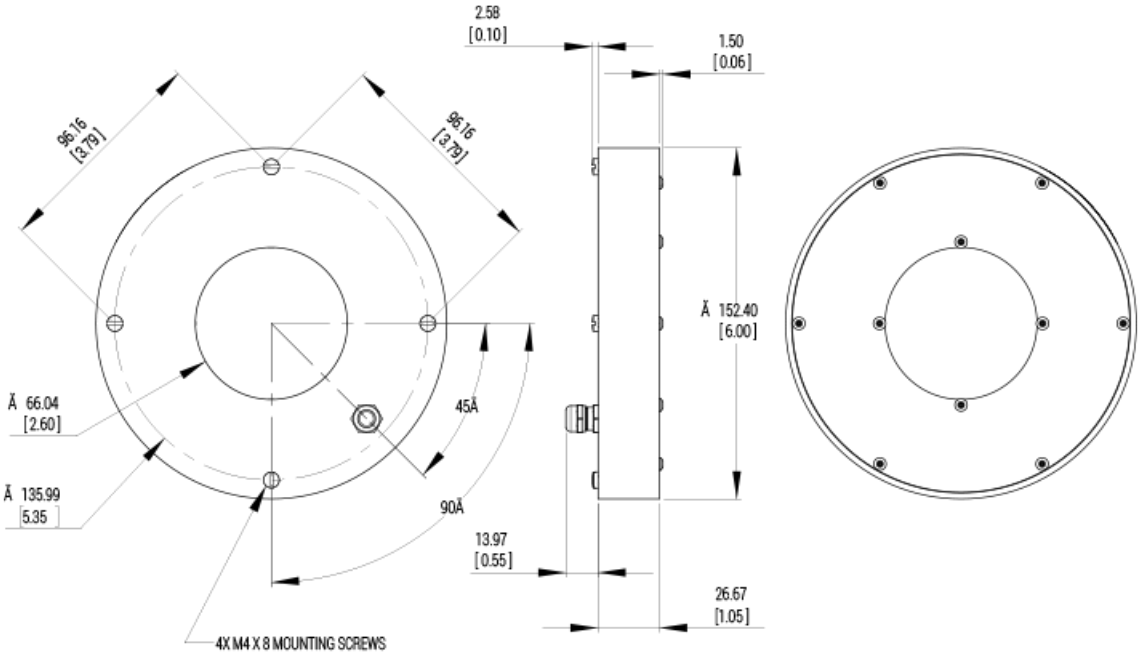


Optical measurement taken using RL113-WHIIC @ 300 mm

Area of Illuminance & Intensity



Mechanical Specs



DIMENSIONS ARE IN MILLIMETERS [INCHES]

Control Specs

C1 Connector	C5 Connector	ICS 2 (IC)	ICS 3 (I3)	ICS 3S (I3S)	24
For use with: **DCS Series Controllers**	*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**

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 FIVE YEARS from the original date of purchase. Should a defect develop during this period, customers may return the complete product, freight prepaid, to one of Ai's distributors or to the Ai factory. All product warranty returns require a Return Merchandise Authorization (RMA) number which is obtained from Customer Service. The RMA number must be clearly marked on the outside of the package. Ai will inspect the unit, and if a defect is found will, at our option, repair or replace the product without charge. Ai disclaims liability for any implied warranties, including implied warranties of "merchantability" and "fitness for a specific purpose." For products under warranty that have since been discontinued, Ai will make an effort to replace with equivalent parts; for circumstances that do not allow for equivalent replacement, Ai reserves the right to repair or replace these products with an updated version. Ai cannot be held responsible for the unauthorized or inappropriate use of its products. Any unauthorized repair or modifications will result in a voided warranty.
No Liability for Consequential Damages: In no event shall Ai be liable for any consequential, special, incidental, or indirect damages of any kind arising from the sale or use of the products.

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.