



Product Highlights

- The RL2316 is characterized as a Compact Aimed Bright Field ring light.
- Precisely aimed LEDs provide a level of lighting control not found in traditional illuminators.



General Specifications

	Color 24V Current		All Other Controls		
Electrical Specifications	625, 660, 880 0.12A		0.06A Max		
	395, 470, 520, WHI	A80.0	0.04A Max		
Normal Operating Temperature	0 - 60°C				
Weight	58.9g (2.08oz)				
Standard Cable Information	2 m long -0/+150 mm (80" -0/+6") - 105°C rated PVC jacket, foil shield with drain.				
	Exempt Applicable Wavelengths: 880				
Photobiological Risk Factor	Group 1 (Low-Risk) Applicable Wavelengths: 470, 520, 625, 660, WHI				
	Group 2 (Moderate-Risk) Applicable Wavelenghts: 395				
Compliance	CE, RoHS, IEC 62471				
IP Rating	IP40				
Lumen Maintenance	L70 = 50,000 Hours				

Part Number Key

Model	-	Peak Wavelength	Stand Off (mm)	Illuminated Field of View (mm)	Connector/ Control	Light Conditioning Option	-	Alternative Connector
RL2316	-	XXX	XXX	XX	XX	Х	-	XXX
RL2316		395 (UV) ² 470 (blue) 520 (green) 625 (red orange) 660 (red) 880 (IR) WHI (white)	See chart to compute stand off	XS S M L XL	C1 C5 IC I3 I3S 24	D (Diffuser) P ³ (Polarizer)		M8 ¹ M12 ¹
EX: RL2316-395100MC RL2316-62515XLI3			¹ Available with IC, I3, I3S, and 24 V options only ² Not available with IC and 24 V options ³ Not available with 395 (UV) option; 470 (blue) will reduce the life of the polarizer					

See website product page for in-stock product numbers.

Shipping:

Stock Products: within three days

Build-to-Order Products: within one to three weeks

Change Notice

PCN No: 166

Date Issued: May 5, 2023 Notice Type: Product Change

Product Type: 660nm Wavelength on traditional 5mm Lights Discontinuation

Change Notification Summary

Advanced illumination (Ai) will be ending the manufacture of the 660nm color option on our classic aimed lights due to the LEDs being discontinued from the manufacturer. We expect to have six months of inventory to fulfill orders, after that we suggest purchasing the same light but with the 625nm wavelength.

Please contact your Ai Sales Representative if you have any questions.

Electrical Specs

Standard Flying Lead Functions for 24V, IC, I3 and I3S Control Options

		COLOR	24V FUNCTIONS	IC FUNCTIONS	13/13S FUNCTIONS
		BROWN	24 V DC	24 V DC	24 V DC
		WHITE	N/A	0-10 V ANALOG DIMMING	RESERVED
		BLUE	DC GND	DC GND	DC GND
		BLACK	N/A	PNP/ACTIVE LOW GATE	PNP/ACTIVE HIGH TRIGGER
		GRAY	N/A	N/A	0-10 V ANALOG DIMMING
			1. 11 1 11 1	6 1 21 1 21 2 0 0 1 1 10	10 100 1 1

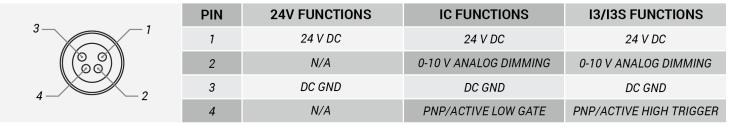
The functions listed above are applicable when this product is configured with built-in 24V, IC, I3, or I3S control, without the optional A-coded 5-position Male M12 or A-coded 4-position Male M8 connector.

M12 Connector Pinout Functions for 24V, IC, I3 and I3S Control Options

	PIN	24V FUNCTIONS	IC FUNCTIONS	13/13S FUNCTIONS
2——————————————————————————————————————	1	24 V DC	24 V DC	24 V DC
5	2	N/A	0-10 V ANALOG DIMMING	RESERVED
	3	DC GND	DC GND	DC GND
34	4	N/A	PNP/ACTIVE LOW GATE	PNP/ACTIVE HIGH TRIGGER
	5	N/A	N/A	0-10 V ANALOG DIMMING

The functions listed above are only applicable when this product is configured with built-in 24V, IC, I3, or I3S control, with an A-coded 5-position Male M12 connector.

M8 Connector Pinout Functions for 24V, IC, I3 and I3S Control Options

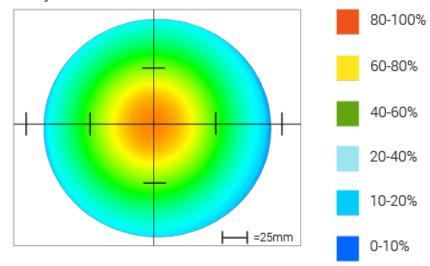


The functions listed above are only applicable when this product is configured with built-in 24V, IC, I3, or I3S control, with an A-coded 4-position Male M8 connector.

For details on operating configurations without built-in control (C1, C5, Q1, and Q4 control, when available), please refer to Advanced illumination's controller manuals.

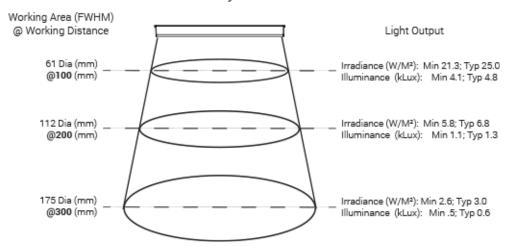
Optical Specs

Intensity Distribution

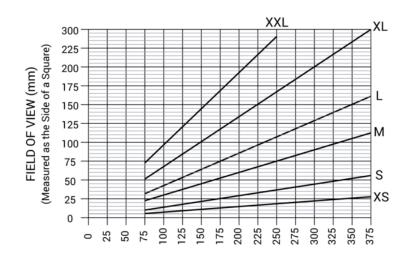


Optical measurement taken using RL2316-625100LI3 @ 100 mm

Area of Illuminance & Intensity

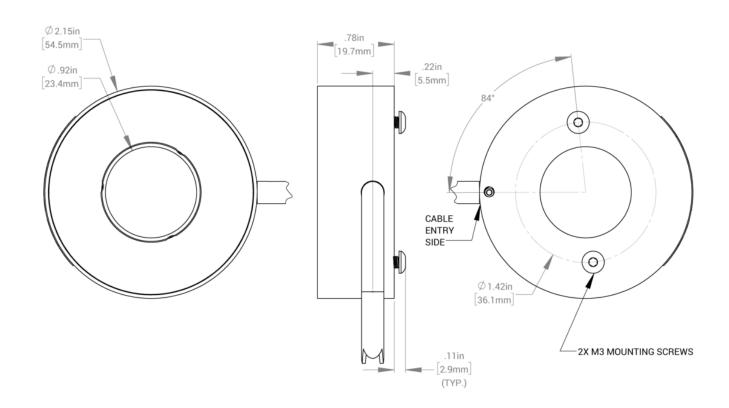


[FIELD OF VIEW CHART]



STAND OFF FROM OBJECT TO LIGHT HEAD (mm) Indentify desired FOV and stand off, then specify nearest illuminated area size

Mechanical Specs



Control Specs

[C1 Connector For use with: DCS Series Controllers	C5 Connector For use with: Pulsar 320 Strobe Controller.	Continuus in-line controller Powered with:	ICS 3 (13) Combination strobe/continous in-line controller Powered with:	ICS 3S (I3S) Default-OFF strobe/continous in-line controller Powered with:	24 Flying/tinned leads Powered with: 24V power supply
			24V power supply	24V power supply	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.

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 ET or send an email to orders@advancedillumination.com.

Company Information

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