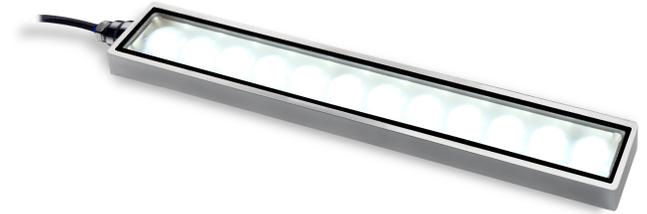


Product Highlights

- Built for extreme environments, our IP69K certified lights are specifically engineered to withstand everything from prolonged liquid immersion to high-pressure steam cleaning and corrosive washdown solutions.
- UltraSeal Bar Lights are ideal for hygienic inspection environments, aseptic manufacturing, and food and beverage applications.



** Patent Pending*

General Specifications

	Color	24V Current	All Other Controls
Electrical Specifications	455, 470, 505, 530, WHI	0.37A per 6 inches	0.35A Max per 6 inches
	590, 625, 660, 730	0.38A per 6 inches	0.30A Max per 6 inches
	850, 940	0.38A per 6 inches	0.20A Max per 6 inches
Normal Operating Temperature	0-60 deg C		
Weight	11.2oz (317.5g) per 6 inches		
Standard Cable Information	2 M long -0/+150 mm (80" -0/+6") - 105°C rated PVC jacket, foil shield with drain		
Photobiological Risk Factor	Exempt Applicable Wavelengths: 850, 940 Group 1 (Low-Risk) Applicable Wavelengths: 455, 470, 505, 530, 590, 625, 666, 730, WHI		
Compliance	CE, RoHS, IEC 62471		
IP Rating	IP69K		
Lumen Maintenance	L70 = 50,000 Hours		

Part Number Key

Model	Lens Type ²	-	Length	Wavelength	Connector /Control	-	Alternative Connector (Optional) ¹
AL247	X	-	XX	XXX	XX	-	XXX
AL247	N M W <i>(medium lens comes standard)</i>	-	06 12 18 24	(ROYAL BLUE) 455 (BLUE) 470 (CYAN) 505 (GREEN) 530 (AMBER) 590 (RED ORANGE) 625 (RED) 660 (IR) 730 (IR) 850 (IR) 940 (WHITE) WHI	C1 C5 IC I3 I3S 24	-	M8 M12

Ex: AL247N-0645513-M12
AL247M-18WHIC1

¹ Available with IC, I3, I3S and 24v options only

² Beam angle (FWHM):

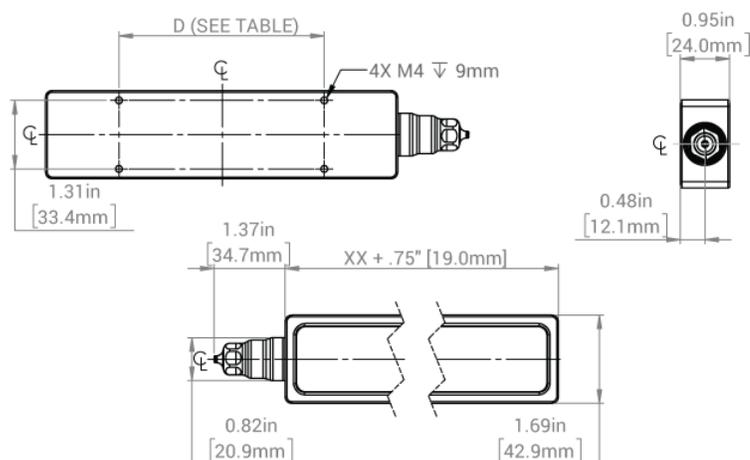
narrow = 8°

medium = 21°

wide = 29°

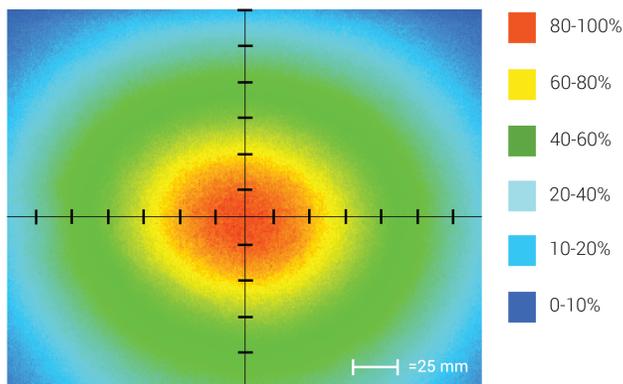
Mechanical Specs

Configuration Table	
CONFIG. (AL247-XX01)	Mounting hole distance center to center (D)
AL247-0601	3.94 [100mm]
AL247-1201	6.89 [175mm]
AL247-1801	9.84 [250mm]
AL247-2401*	17.72 [450mm]
AL247-2401 has additional holes at D/2, distance between holes is 9.84 [225mm]	



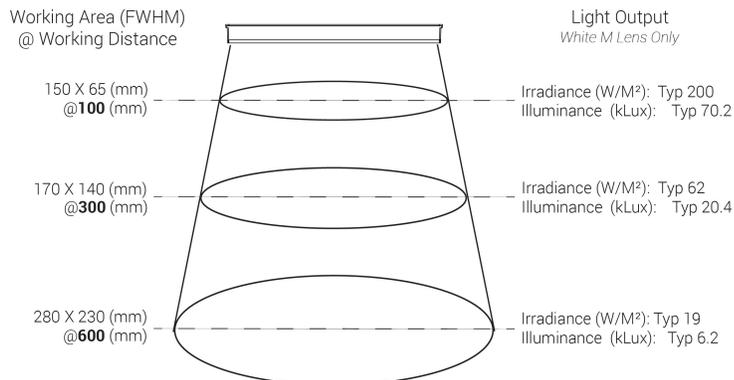
Optical Specs

Intensity Distribution



Optical measurement taken using AL247M-06WHII3 @ 300mm

Optical Cone



Electrical Specs

ICS 2 (IC)

PIN (M12)	FUNCTION	WIRE COLOR
1	24V DC	BROWN
2	0-10V ANALOG CONTROL	WHITE
3	DC GND	BLUE
4	GLO	BLACK
5	N/A	GRAY

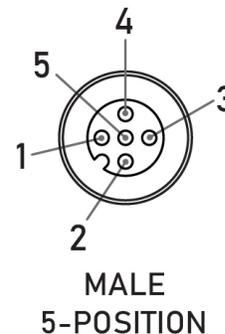
ICS 3 (I3 & I3S)

PIN (M12)	FUNCTION	WIRE COLOR
1	24V DC	BROWN
2	SHIELD	WHITE
3	DC GND	BLUE
4	PNP/ACTIVE HIGH TRIGGER	BLACK
5	0-10V ANALOG CONTROL	GRAY

24 VOLT

PIN (M12)	FUNCTION	WIRE COLOR
1	24V DC	BROWN
2	N/A	WHITE
3	DC GND	BLUE
4	N/A	BLACK
5	N/A	GRAY

Optional M12 Pinout



Control Specs

C1 CONNECTOR

For use with:
DCS Series Controllers
Strobe/Continuous Controllers

C5 CONNECTOR

For use with:
Pulsar 320
High Power Strobe Only Controller

ICS 2 (IC)

In-line Continuous Controller

Powered with:
24V Power Supply

ICS 3

In-line Strobe/Continuous Controller
Default On
Powered with:
24V Power Supply

ICS 3S (I3S)

In-line Strobe/Continuous Controller
Default Off
Powered with:
24V Power Supply

24 VOLT

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.

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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