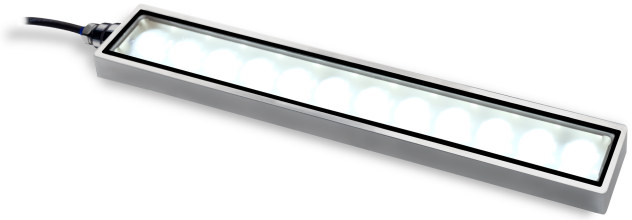
AL247 Series

UltraSeal Bar Lights

Product Highlights

- UltraSeal Bar Lights are ideal for hygienic inspection environments, aseptic manufacturing, and food and beverage applications. They are IP69K certified to withstand the harshest environments.
- High-intensity Bar Lights feature the UltraSeal standard proprietary nickel finish, providing superior corrosion resistance and improved thermal conductivity in comparison to stainless steel.



**** Patent Pending***

General Specifications

Electrical Specifications	Color	24V Current	All Other Controls
	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		
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 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

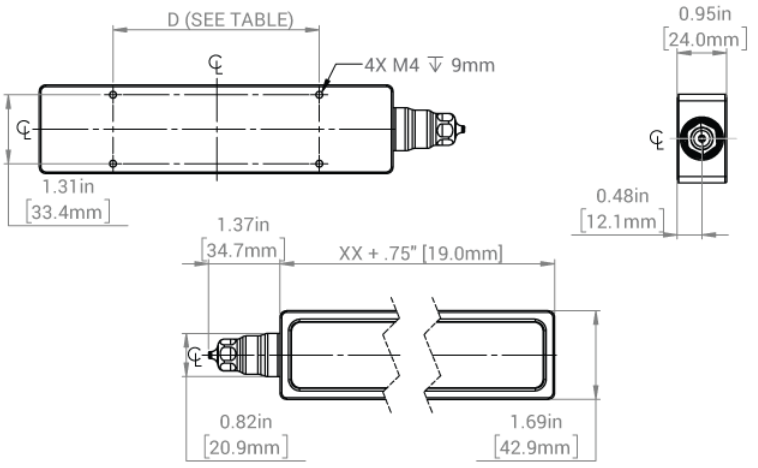
Model	Lens Type[2]	-	Length	Wavelength	Connector /Control	-	Alternative Connector (Optional)[1]
AL247	X	-	XX	XXX	XX	-	XXX
AL247	N M W *(medium lens comes standard)*	-	06 12 18 24	(ROYAL BLUE) 455 (BLUE) 470 (CYAN) 505 (GREEN) 530 (AMBER) 590 (RED ORANGE) 625 (RED) 660 (IR) 730 (IR) 850 (IR) 940 (WHITE) 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°

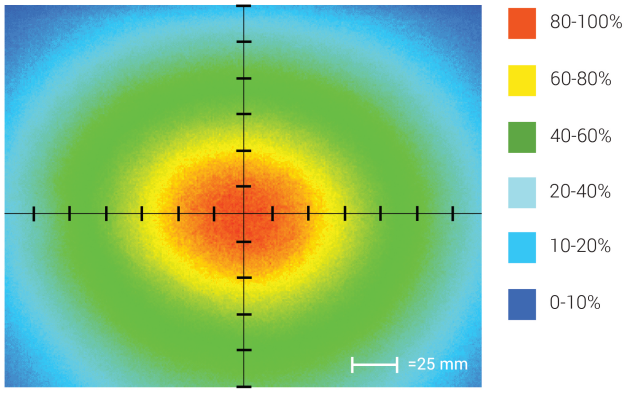
Mechanical Specs

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]	



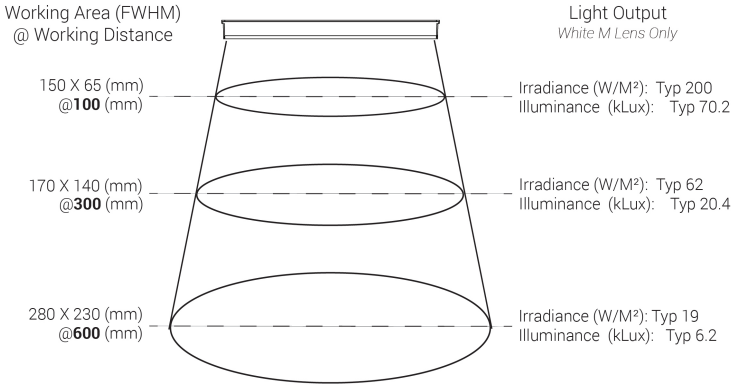
Optical Specs

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

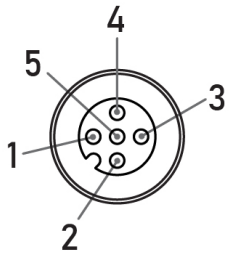
ICS 3 (I3 & I3S)

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



MALE
5-POSITION

Control Specs

C1 CONNECTOR	C5 CONNECTOR	ICS 2 (IC)	ICS 3	ICS 3S (I3S)	24 VOLT
For use with: **DCS Series Controllers** Strobe/Continous Controllers	For use with: **Pulsar 320** High Power Strobe Only Controller	In-line Continous Controller Powered with: **24V Power Supply**	In-line Strobe/ Continous Controller Default On Powered with: **24V Power Supply**	In-line Strobe/ Continous Controller Default Off 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 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.