

Product Highlights

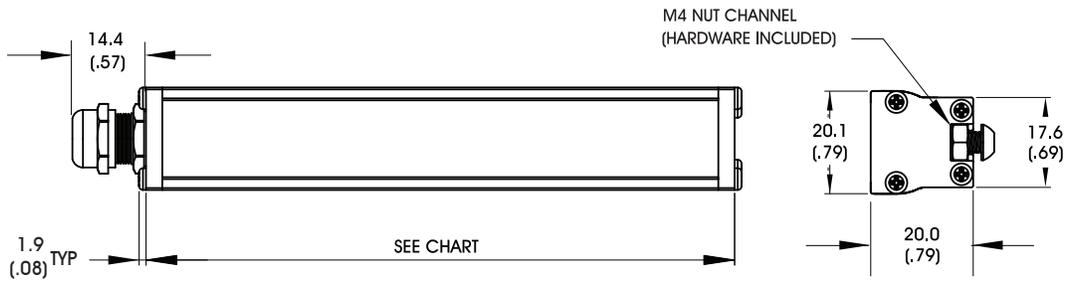
- High intensity light in a small package - Only 20mm (.79") wide
- Expandable in 50mm (2") increments from 50mm (2") to 1,016mm (40")
- Washdown version available
- Best suited for close-up inspection (working distance of < 3.86m (152"))
- Very diffuse illuminator



General Specifications

Electrical Specifications	Color	24v Current	All Other Controls
	625	0.05 A per inch	0.015 A Max per inch
	470, WHI	0.05 A per inch	0.027 A Max per inch
Normal Operating Temperature	0 - 60°C		
Weight (g)	140.6g (5 oz.)		
Standard Cable Information	Up to 2 meters (80") long - 105°C rated PVC jacket, foil shield with drain.		
Photobiological Risk Factor IEC 62471	Group 1 (Low-Risk) Applicable Wavelengths: 625, 470, WHI		
Compliance			
IP Rating	Wash Down Option - IP65 Non Wash Down - IP50		
Lumen Maintenance	L70 = 50,000 hours		

Mechanical Specifications



Non Washdown		Washdown Option	
Part #	Length in mm (inches)	Part #	Length in mm (inches)
AL12602	64.0 (2.52)	AL12602	66.6 (2.62)
AL126 ¹	114.8 (4.52)	AL126 ¹	117.4 (4.62)
AL12606	165.6 (6.52)	AL12606	168.2 (6.62)
AL12608	216.4 (8.52)	AL12608	219.0 (8.62)
AL12610	267.2 (10.52)	AL12610	269.8 (10.62)
AL12612	318.0 (12.52)	AL12612	320.6 (12.62)
AL12614	368.8 (14.52)	AL12614	371.4 (14.62)
AL12616	419.6 (16.52)	AL12616	422.2 (16.62)
AL12618	470.4 (18.52)	AL12618	473.0 (18.62)
AL12620	521.2 (20.52)	AL12620	523.8 (20.62)

DIMENSIONS ARE IN MILLIMETERS (INCHES)

Available in increments of 2" (AL12602) up to 40" (AL12640)

¹AL126 does not require a two digit suffix to represent this length.

Part Number Key

Model	Illuminated Length	—	Spectral Wavelength	Connector/Control	Wash Down Option	Optional Light Conditioning	—	Alternative Connector
AL126	XX	—	XXX	XX	X	X	—	XXX
AL126	(2" increments from 2" to "40)		470 (blue) 625 (red) WHI (white)	C2 ³ C5 IC I3 I3S 24	W	D (diffuser) P ² (polarizer)		M12 ¹
Ex: AL12602-WHIIC AL12618-625C5W						¹ Available with IC, I3, I3S and 24v options only ² Not available with washdown option ³ Maximum product length with C2 connector is 8"		

Stock Product: *shipped next day*
AL126-WHIIC

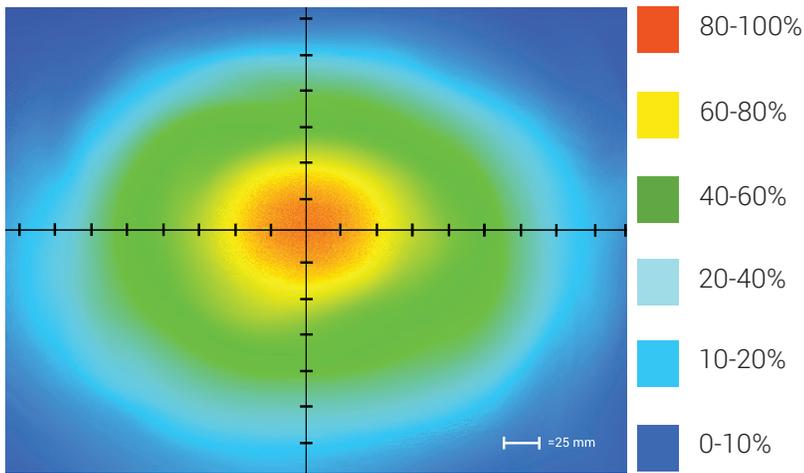
Build to Order: *shipped in two weeks*

Connector | Control Options

C2 Connector	C5 Connector	IC	I3	I3S	24
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

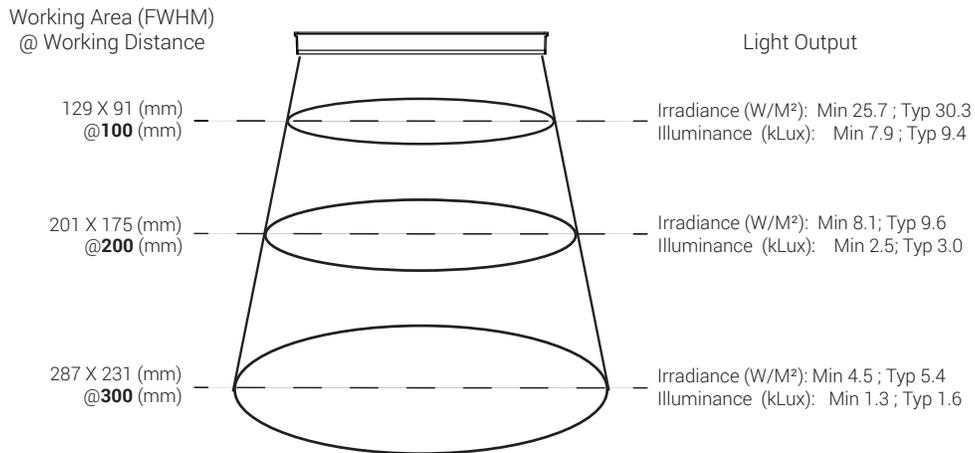
Optical Performance

Intensity Distribution



Optical measurement taken using AL126-WHIIC @ 200 mm

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

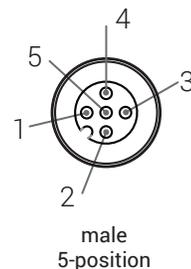
ICS 3 (I3 and I3S)

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.

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, EST or send an email to orders@advill.com.

Company Information

Advanced Illumination

440 State Garage Road, Rochester VT. 05767

Phone: 802.767.3830

Fax: 802.767.3831

Email: info@advancedillumination.com

Web: advancedillumination.com

© 2015 Advanced Illumination Inc. All rights reserved