

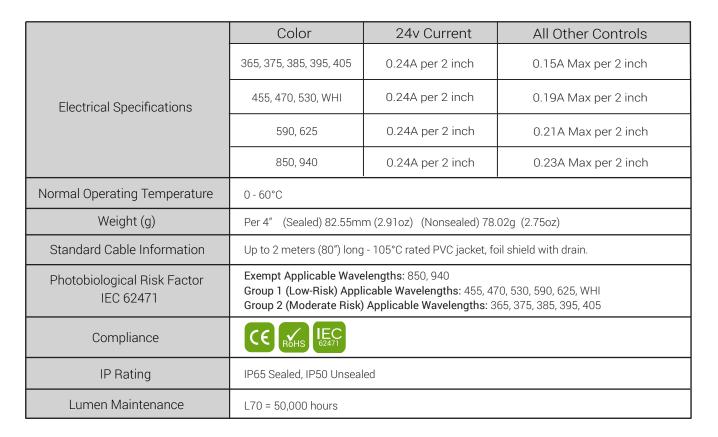
## AL116 Expandable Series Compact Bar Light



## Product Highlights

- High Intensity light in a small package only 32.2mm (1.26") wide
- Expandable in 2" increments; lengths from 2" to 20"
- Washdown option available
- Diffuse lighting; good for close working distance
- Convenient M4 nut channel for mounting
- Broad range of wavelengths available

## General Specifications



## AL116 Expandable Series

## Mechanical Specifications

	Unsealed		Sealed		29.74	
Part #	Length in mm (inches	Part #	Length in n	nm (inches)		
AL11602	64.0 (2.52)	AL11602	2 66.6	(2.62)		
AL1161	114.8 (4.52)	AL116 1	117.4	(4.62)		
AL11606	165.6 (6.52)	AL11606	5 168.2	(6.62)		
AL11608	216.4 (8.52)	AL11608	3 219.0	(8.62)		
AL11610	267.2 (10.52)	AL11610	269.8	(10.62)		ΓYP.)
AL11612	318.0 (12.52)	AL11612	320.6	(12.62)	32.21	
AL11614	368.8 (14.52)	AL11614	371.4	(14.62)		
AL11616	419.6 (16.52)	AL11616	-	(16.62)		
AL11618	470.4 (18.52)	AL11618		(18.62)	Sealed	
AL11620	521.2 (20.52)	AL11620	523.8	(20.62)		
	REF	M4 MOUNTING	<u> </u>		29.74 [1.17]	TYP.)
					Linearlad	

Unsealed

## Part Number Key

Model	Illuminated Length	—	Spectral Wavelength	Connector/ Control	Wash Down Option	Optional Light Conditioning		Alternative Connector
AL116	XX	—	XXX	XX	Х	Х	—	XXX
AL116	(2" increments from 2" to "20)		(UV) 365 <sup>3</sup> (UV) 375 <sup>3</sup> (UV) 385 <sup>3</sup> (UV) 405 <sup>3</sup> (royal blue) 455 (blue) 470 (green) 530 (amber) 590 (red orange) 625 (infra-red) 850 (infra-red) 940 (white) WHI	C1 C5 I3 I3S 24	W	D (diffuser) P <sup>2</sup> (polarizer)		M12'
Ex: AL11602 AL11618	2-WHIIC 3-625C5W				² Not a (blue)	able with IC, I3, I3 available with was ) 470 will reduce t available with diffu	hdown option the life of the p	olarizer

Stock Product: shipped within 3 days AL116-WHIIC

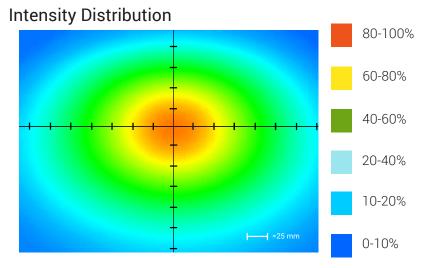
Build to Order: shipped within two weeks

## Connector | Control Options

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 <i>Powered with:</i> 24V power supply	Combination strobe/continous in-line controller <i>Powered with:</i> 24V power supply	Default-OFF strobe/continous in-line controller <i>Powered with:</i> 24V power supply	Flying/tinned leads <i>Powered with:</i> 24V power supply

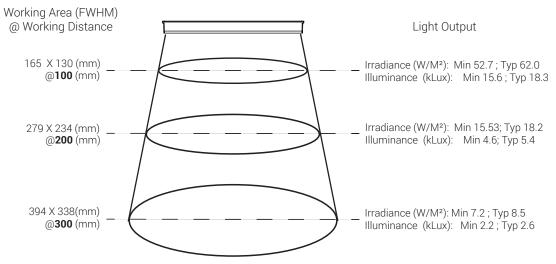
# AL116 Expandable Series

## **Optical Performance**



Optical measurement taken using AL116-WHIIC Rev. A @ 200 mm

## Area of Illuminance & Intensity



## Operation and Wiring

#### 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

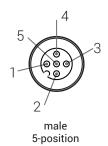
#### ICS 3 (I3 and I3S)

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

#### **Optional M12 Pinout**



## AL116 Expandable Series

## 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**

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