AL295 Expandable Series

MicroBrite™ Bar Light

Expandable

Product Highlights

- High performance compact bar light
- Outperforms larger bar lights on the market
- Expandable in 75mm (3") increments up to 450mm (18")
- Broad range of wavelengths available

General Specifications

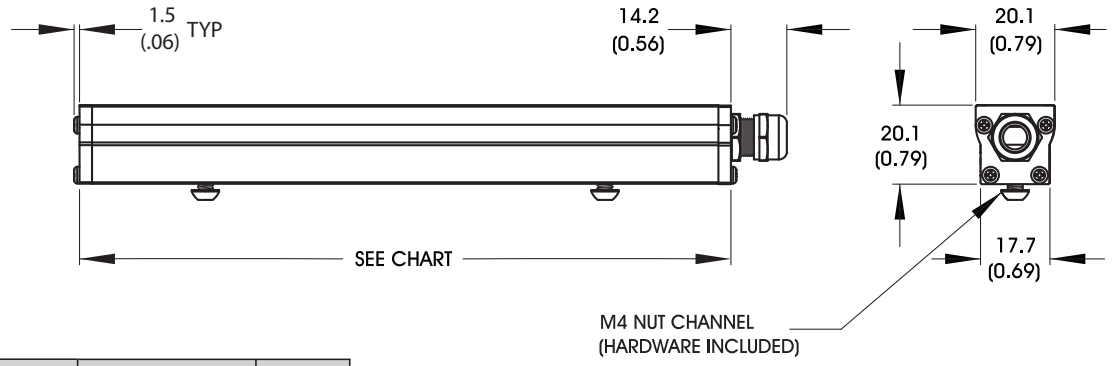
Electrical Specifications	Color	24v Current	All Other Controls
	365, 375, 385, 395, 405	N/A	0.15 A Max Per 75mm
	625, 660, 730	N/A	0.34 A Max Per 75mm
	455, 470, 505, 530, 590, 850, 940, WHI	N/A	0.27 A Max Per 75mm
Normal Operating Temperature	0 - 60°C		
Weight (g)	Varies by size; see page 2		
Standard Cable Information	Up to 2 meters (80") long - 105°C rated PVC jacket, foil shield with drain.		
Photobiological Risk Factor IEC 62471	**Exempt Applicable Wavelengths:** 850, 940 **Group 1 (Low-Risk) Applicable Wavelengths:** 455, 470, 505, 530, 590, 625, 660, 730, WHI **Group 2 (Moderate Risk) Applicable Wavelengths:** 365, 375, 385, 395, 405		
Compliance	CE RoHS IEC 62471		
IP Rating	IP50		
Lumen Maintenance	L70 = 50,000 hours		

Released 9/28/2016
Updated 11/14/2016
Updated 5/12/2017 DCN 2272

Product Revision "A"

AL295 Expandable Series

Mechanical Specifications



Part #	Length in mm (inches)		Weight (g)
AL295-075	89.4	(3.52)	34.4
AL295-150	165.6	(6.52)	68.9
AL295-225	241.8	(9.52)	103.4
AL295-300	318.0	(12.52)	137.8
AL295-375	394.2	(15.52)	172.3
AL295-450	470.4	(18.52)	206.8

DIMENSIONS ARE IN MILLIMETERS (INCHES)

Part Number Key

Model	Lens Type	—	Illuminated Length	Spectral Wavelength	Connector/ Control	Optional Light Conditioning	—	Alternative Connector
AL295	X	—	XXX	XXX	XX	X	—	XXX
AL295	W leave blank for medium (standard)		075 150 225 300 375 450	(UV) 365[2] (UV) 375[2] (UV) 385[2] (UV) 395[2] (UV) 405[2] (royal blue) 455 (blue) 470 (cyan) 505 (green) 530 (amber) 590 (red orange) 625 (red) 660 (infra-red) 730 (infra-red) 850 (infra-red) 940 (white) WHI	C1 C5 IC I3 I3S	D[3] (diffuser)		M12[1]

Ex: AL295-075WHIIC
AL295W-225625IC-M12

[1] Available with IC, I3 and I3S options only
[2] Not available with (W) wide lens option
[3] Not available with UV options

Stock Product: *shipped within 3 days* **Build to Order:** *shipped within 2 weeks*

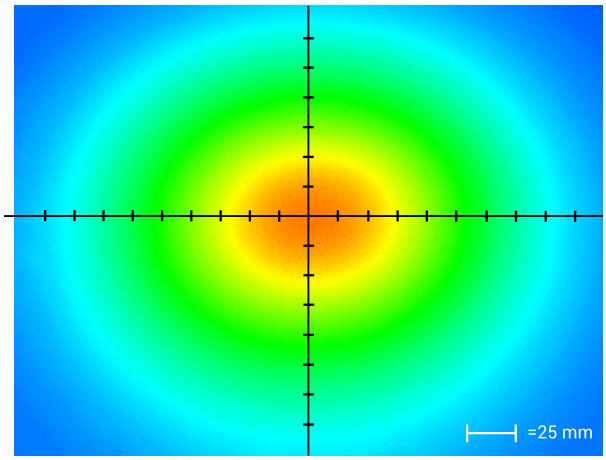
AL295-150WHII3

Connector | Control Options

C1 Connector	C5 Connector	ICS 2 (IC)	ICS 3 (I3)	ICS 3S (I3S)
For use with: DCS Series Controllers	*For use with:* Pulsar 320 Strobe Controller.	Continous in-line controller *Powered with:* 24V power supply	Combination strobe/continous in-line controller *Powered with:* 24V power supply	Default-OFF strobe/continous in-line controller *Powered with:* 24V power supply

Optical Performance

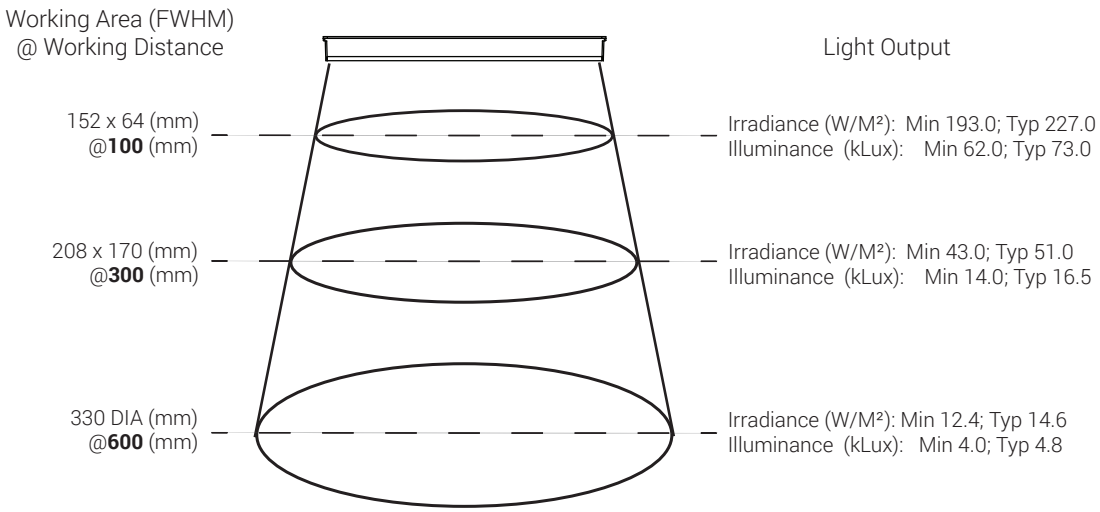
Intensity Distribution



80-100%
60-80%
40-60%
20-40%
10-20%
0-10%

Optical measurement taken using AL295-150WHIIC Rev. A @ 300 mm

Area of Illuminance & Intensity



Operation and Wiring

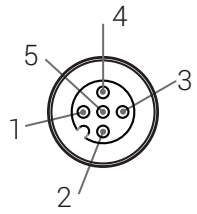
ICS 2 (IC)

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

Optional M12 Pinout



male
5-position

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.