

Product Highlights

- MicroBrite™ expandable bar lights deliver high performance in a compact form factor.
- Available in a broad range of wavelengths with expandable sizes in 3" (75mm) increments up to 18" (450mm).



General Specifications

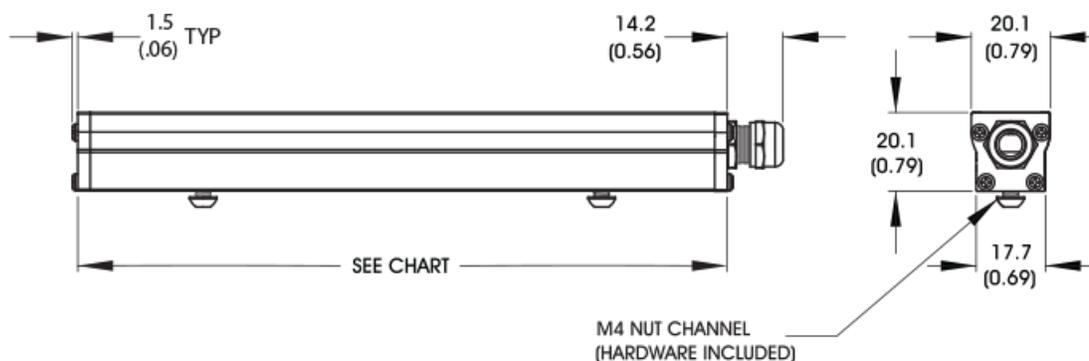
	Color	24V Current	All Other Controls
Electrical Specifications	365, 375, 385, 395, 405	N/A	0.15A Max Per 75mm
	625, 660, 730	N/A	0.34A Max Per 75mm
	455, 470, 505, 530, 590, 850, 940, WHI	N/A	0.27A Max Per 75mm
Normal Operating Temperature	0 - 60°C		
Weight	Varies by size; see page 2		
Standard Cable 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: 505, 530, 590, 625, 660, 730, WHI Group 2 (Moderate-Risk) Applicable Wavelengths: 365, 375, 385, 395, 405, 455, 470		
Compliance	CE, RoHS, IEC 62471		
IP Rating	IP50		
Lumen Maintenance	L70 = 50,000 Hours		

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*
 AL295-150WHI3

Mechanical Specs



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)

Change Notice

PCN No: 144

Date Issued: February 22, 2018

Notice Type: Product Change

Type: Washdown Lights

Change Notification Summary

Advanced illumination (Ai) is improving the way we manufacture washdown lights which will change their outward appearance. We will be replacing the black cordstock with clear flowable silicon. This change will provide a more durable finish and will effect the following lights: AL116, AL126, AL143, AL179, AL295, BL128, QM116, QM126, LL174 and SL147.

Please contact your Ai Sales Representative if you have any questions.

Washdown Lights Flowable Silicon

PCN No: 125

Date Issued: June 3, 2016

Notice Type: Product Revision Change

Product Type: AL295

Change Notification Summary

In an effort to improve our products, Advanced illumination (Ai) will update the LEDs used in the AL295 design. This change will result in a brighter, more uniform light at the same price*. Customers may still buy the current revision of this model until September 2th of 2016. After that time, orders for these products will be converted to their respective AL295 Revision A models.

This LED change will result in additional wavelengths being available: 365nm, 375nm, 385nm, 395nm, 405nm, 470nm, 505nm, 590nm, 660nm, 730nm, and 940nm. Additionally the white LED color temperture will be changing from 6100K to 5500K.

*UV wavelengths (365nm, 375nm, 385nm, 395nm & 405nm) will be sold a higher list price, which will be released at the time of product introduction.

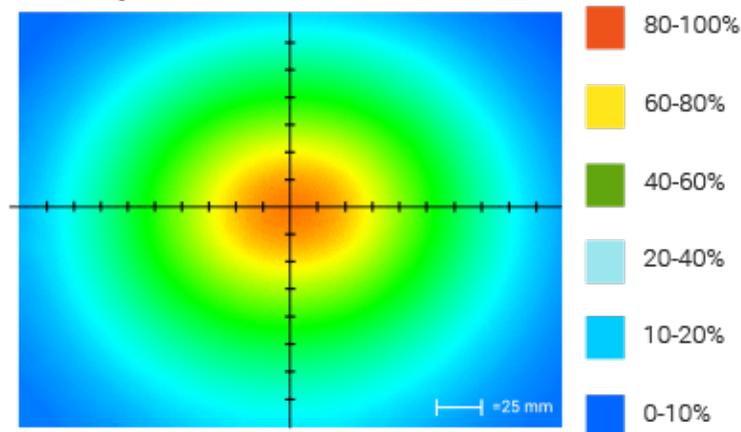
Orders for customized (dash numbers) versions of AL295 will be honored until January 13th of 2017. Ai will be actively working with customers for those products to simplify the transition.

Please contact your Ai Sales Representative if you have any questions.

PCN_125_AL295

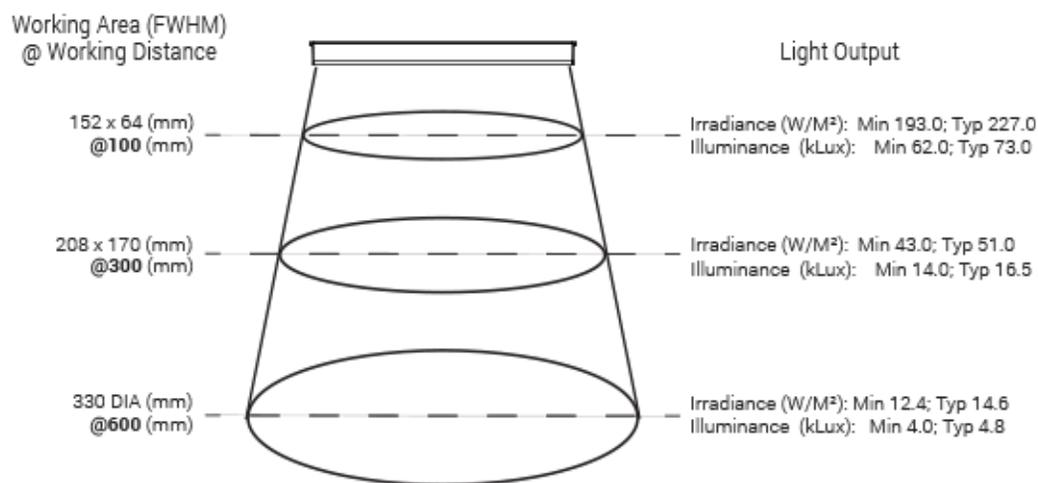
Optical Specs

Intensity Distribution



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

Area of Illuminance & Intensity



Electrical Specs

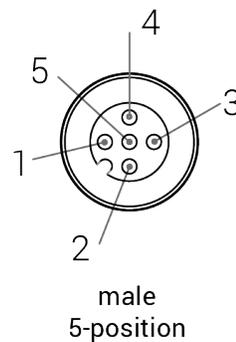
ICS 2 (IC)

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	GND	White
3	GND	Blue
4	PNP/Active High Trigger	Black
5	0-10 VDC Analog Control	Gray

Optional M12 Pinout



Control Specs

C1 Connector	C5 Connector	ICS 2 (IC)	ICS 3 (I3)	ICS 3S (I3S)
<i>For use with:</i> DCS Series Controllers	<i>For use with:</i> 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

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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