

Product Highlights

- High Intensity Bar Lights with a large degree of available customization:
- - 16 available wavelengths
- - Expandable in 6" (150mm) increments up to 84" (2.13m)
- - Optional heat sink for higher performance and/or high ambient temperatures



General Specifications

	Color	24V Current	All Other Controls
Electrical Specifications	365, 375, 385, 395, 405	0.35A	0.37A Max
	455, 470, 505, 530, WHI	0.37A	0.35A Max
	590, 625, 660, 730	0.38A	0.30A Max
	850, 940	0.38A	0.20A Max
Normal Operating Temperature	0 - 60°C		
Weight	Sealed Per 6" - 195.10g (6.88oz)		
	Nonsealed Per 6" - 193.26g (6.82oz)		
Standard 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		
	Group 2 (Moderate-Risk) Applicable Wavelengths: 365, 375, 385, 395, 405		
Compliance	CE, RoHS, IEC 62471		

IP Rating	IP65 Sealed, IP50 Nonsealed
Lumen Maintenance	L70 = 50,000 Hours

Part Number Key

Model	Lens Type ³	Lighted Length	—	Spectral Wavelength	Connector/Control	Heat Sink	Wash Down Option	Optional Light Conditioning	—	Alternative Connector
LL174	X	XX	—	XXX	XX	X	X	X	—	XXX
LL174	N (narrow) W (wide) <small>(medium lens comes standard when left blank)</small>	6" increments up to 84"		(UV) 365 ³ (UV) 375 ³ (UV) 385 ³ (UV) 395 ³ (violet) 405 ³ (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	H ²	W ³	D (Diffuser) P ⁴ (polarizer)		M12 ¹
Ex: LL174N06-470C1HWD LL174W24-625IC-M12						¹ Available with IC, I3, I3S and 24v options only ² Not available over 72" length ³ Only available with medium lens option ⁴ Not available with washdown option Not available with UV options (blue) 470 will reduce the life of the polarizer			⁵ Beam angle (FWHM): narrow = 8° medium = 21° wide = 29°	

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: 120

Date Issued: May 27, 2016

Notice Type: Product Revision Change/Discontinuation

Product Type: LL174, LL5806, LL6212 & LL6324

Change Notification Summary

In an effort to improve our products, Advanced illumination (Ai) will update the LEDs used in the LL174 design. This change will result in a brighter, more uniform light. Customers may still buy the current revision of the LL174 until December 2nd of 2016. After that time, orders for these products will be converted to their respective LL174 Revision A models.

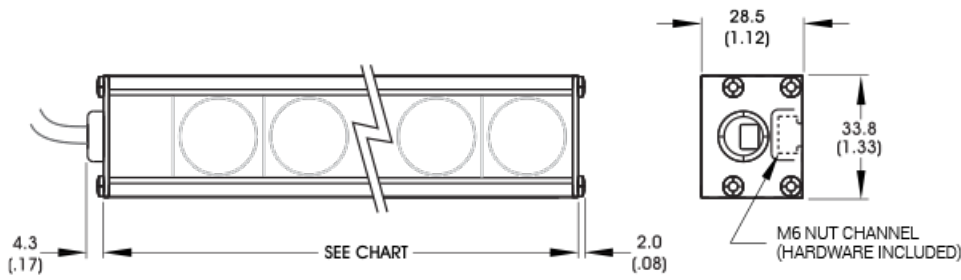
In addition; the LL5806, LL6212 and LL6324 base PNs will be changed to LL17406L, LL17412L and LL17424L respectively. Customers may still buy the current revision of the LL5806, LL6212 and LL6324 until June 30th of 2017. This LED change will result in additional wavelengths being available: 375nm, 385nm, 405nm, 455nm, 505nm, 660nm, 730nm, and 940nm. Additionally the White LED color temperature will be changing from 6100K to 5500K.

Orders for dash numbered versions of LL174 will be honored until June 30th 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.

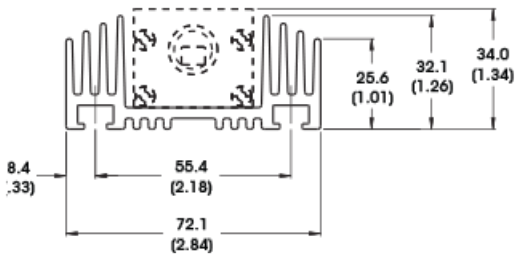
PCN 120

Mechanical Specs



Optional Heat Sink

DIMENSIONS ARE IN MILLIMETERS (INCHES)



Non Washdown

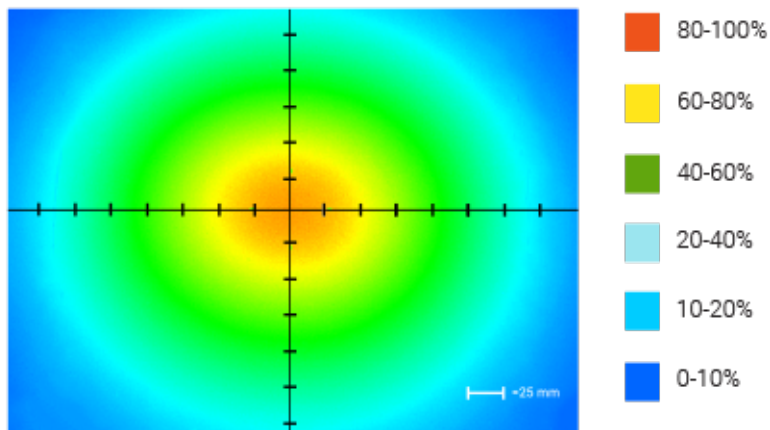
Washdown Option

Part #	Length in inches (mm)
LL17406	6.84 (173.7)
LL17412	12.84 (326.1)
LL17418	18.84 (478.6)
LL17424	24.84 (630.9)
LL17430	30.84 (783.4)
LL17436	36.84 (935.8)
LL17442	42.84 (1088.2)
LL17448	48.84 (1240.6)
LL17454	54.84 (1392.9)
LL17460	60.84 (1545.3)
LL17466	66.84 (1697.7)
LL17472	72.84 (1850.1)
LL17478	78.84 (2002.5)
LL17484	84.84 (2154.9)

Part #	Length in inches (mm)
LL17406	6.96 (176.8)
LL17412	12.96 (329.2)
LL17418	18.96 (481.7)
LL17424	24.96 (634.0)
LL17430	30.96 (786.5)
LL17436	36.96 (938.9)
LL17442	42.96 (1091.3)
LL17448	48.96 (1243.7)
LL17454	54.96 (1395.9)
LL17460	60.96 (1548.3)
LL17466	66.96 (1700.7)
LL17472	72.96 (1853.1)
LL17478	78.96 (2005.5)
LL17484	84.96 (2157.9)

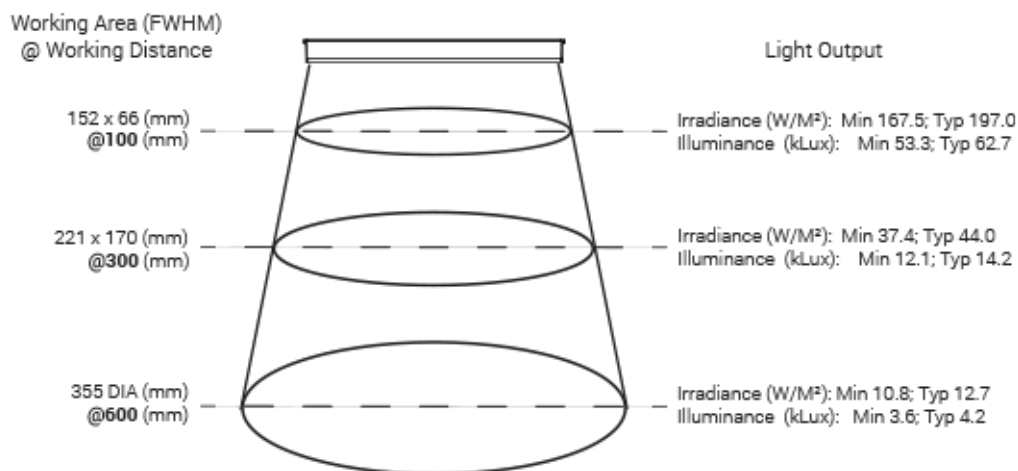
Optical Specs

Intensity Distribution



Optical measurement taken using LL17406-WHIC Rev. A @ 300mm

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

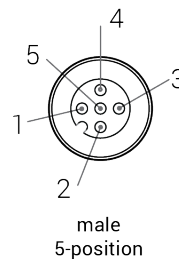
ICS 3 (I3 and I3S)

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

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



Control Specs

C1 Connector	C5 Connector	ICS 2 (IC)	ICS 3 (I3)	ICS 3S (I3S)	24
<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	Flying/tinned leads <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 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 ET or send an email to orders@advill.com.

Company Information

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