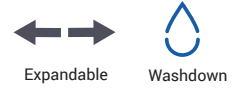


LL174 Expandable Series Derivatives

General Purpose Bar Lights: LL6324, LL6212 and LL5806




Product Highlights

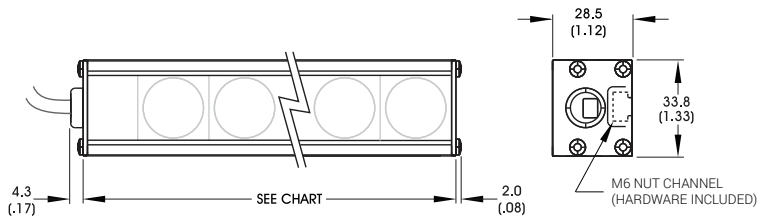
- Intense illumination for long working distances or large area applications
- Works great in pairs to create a square area of illumination
- Three lens options - narrow, medium (standard), and wide
- Washdown option available
- LL6324 (24"), LL6212 (12"), LL5806 (6")



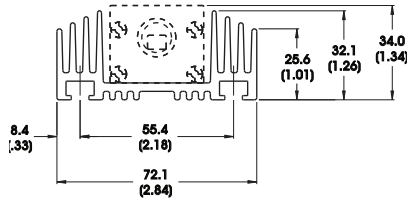
General Specifications

	Part Number	Color	24v Current	All Other Controls
Electrical Specifications	LL5806	365, 395	0.35 A	0.31 A Max
		470, 530, 590, WHI	0.35 A	0.30 A Max
		625	0.35 A	0.31 A Max
		850	0.35 A	0.17 A Max
	LL6212	365, 395	0.70 A	0.63 A Max
		470, 530, 590, WHI	0.70 A	0.60 A Max
		625	0.70 A	0.61 A Max
		850	0.70 A	0.33 A Max
	LL6324	365, 395	1.40 A	1.26 A Max
		470, 530, 590, WHI	1.40 A	1.00 A Max
		625	1.40 A	1.22 A Max
		850	1.40 A	0.67 A Max
Normal Operating Temperature	0 - 60°C			
Weight (g)	Varies by size			
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 Group 1 (Low-Risk) Applicable Wavelengths: 470, 530, 590, 625, WHI Group 2 (Moderate Risk) Applicable Wavelengths: 365, 395			
Compliance				
IP Rating	IP65 Sealed, IP50 Unsealed			
Lumen Maintenance	L70 = 50,000 hours			

Mechanical Specifications



Optional Heat Sink



DIMENSIONS ARE IN MILLIMETERS (INCHES)

Non Washdown

Part #	Length in inches (mm)
LL5806	6.84 (173.7)
LL6212	12.84 (326.1)
LL6324	24.84 (630.9)

Washdown Option

Part #	Length in inches (mm)
LL5806	6.96 (176.8)
LL6212	12.96 (329.2)
LL6324	24.96 (634.0)

Part Number Key

Model	Model Extension	Lens Option ⁴	—	Spectral Wavelength	Connector/ Control	Heat Sink Option	Washdown Option	Optional Light Conditioning	—	Alternative Connector
LL	XXXX	X	—	XXX	XX	X	X	X	—	XXX
LL	5806 (6") 6212 (12") 6324 (24")	N W (leave blank for std. medium lens)		(UV) 365 ³ (UV) 395 ³ (blue) 470 (green) 530 (amber) 590 (red) 625 (IR) 850 (white) WHI	C1 C5 IC I3 24	H	W	D (diffuser) P ² (polarizer)		M12 ¹
Ex: LL5806-WHIIC LL6212-625C1-M12				¹ Available with IC, I3 and 24v options only ² Not available with washdown option ³ Available with medium (standard) lens option only				⁵ Beam angle (FWHM): medium = 21° narrow = 8° wide = 29°		

Stock Product: *shipped within 3 days*

Build to Order: *shipped within 2 weeks*

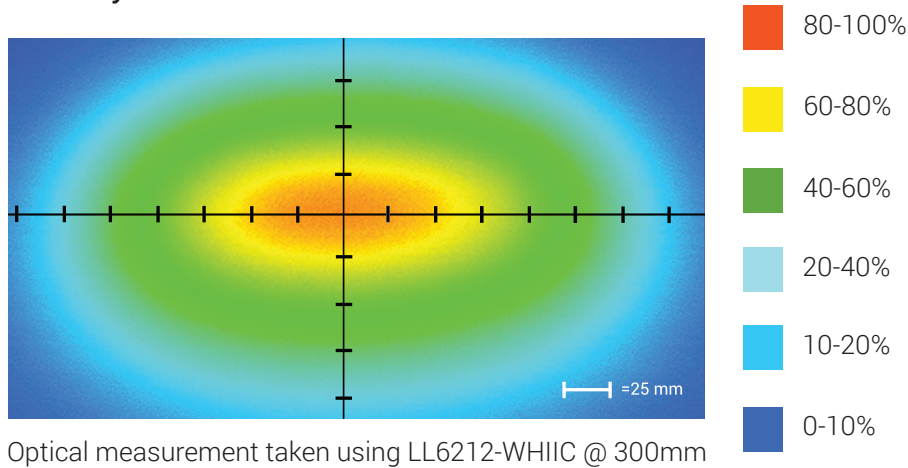
LL5806-62524 LL6212-625IC LL5806-WHIIC
 LL5806-625IC LL6212-WHIIC
 LL5806-WHI24

Connector | Control Options

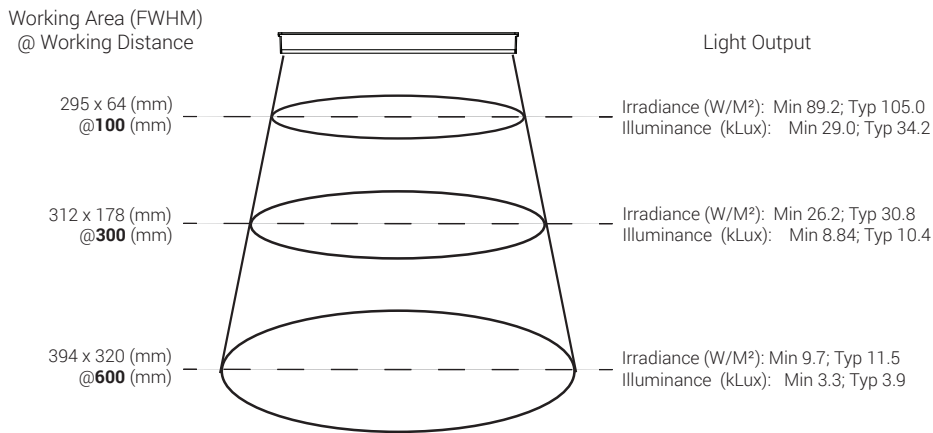
C1 Connector	C5 Connector	ICS 2 (IC)	ICS 3 (I3)	ICS 3S (I3S)	24
For use with: DCS Series Controllers	For use with: Pulsar 320 Strobe Controller.	Continous in-line controller Powered with: 24V power supply	Combination strobe/continous in-line controller Powered with: 24V power supply	Default-OFF strobe/continous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

Optical Performance

Intensity Distribution



Area of Illuminance & Intensity LL6212-WHIIC



Operation and Wiring

ICS 2 (IC)

Pin (M12)	Function	Wire Color
1	+24 VDC	Brown
2	0-10 VDC Analog Control	White
3	DCGND	Blue
4	GLO	Black

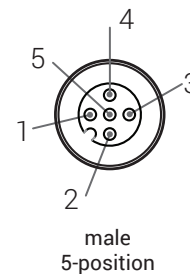
ICS 3 (I3 and I3S)

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 ET or send an email to orders@advill.com.

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