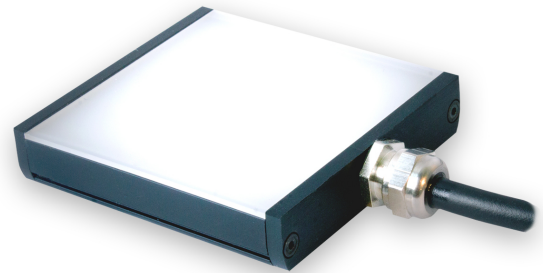


### Product Highlights

- The BL128 Series of Compact Backlights provide edge to edge illumination in a 12mm thick housing.



### General Specifications

	Color	24V Current	All Other Controls
Electrical Specifications	660, 880	0.05A per inch	0.02A Max per inch
	470, 520, WHI	0.04A per inch	0.03A Max per inch
Normal Operating Temperature	0 - 60°C		
Weight	2" unit - 69.85g (2.46oz)		
Standard Cable Information	Up to 2 meters (80") long - 105°C rated PVC jacket, foil shield with drain.		
Photobiological Risk Factor	Exempt Applicable Wavelengths: 880 Group 1 (Low-Risk) Applicable Wavelengths: 470, 520, 660, WHI		
Compliance	CE, RoHS, IEC 62471		
IP Rating	IP64 Sealed, IP50 Unsealed		
Lumen Maintenance	L70 = 50,000 Hours		

## Part Number Key

Model	Lighted Length	—	Spectral Wavelength	Connector/ Control	Wash Down Option	—	Alternative Connector
<b>BL128</b>	<b>XX</b>	<b>—</b>	<b>XXX</b>	<b>XX</b>	<b>X</b>	<b>—</b>	<b>XXX</b>
BL128	01' increments up to 14' (2' needs no suffix)		(blue) 470 (green) 520 (red) 660 (infra-red) 880 (white) WHI	C1 C5 IC I3 I3S	W		M12 <sup>1</sup>
Ex: BL12806-470C5W BL12808-660I3-M12					<sup>1</sup> Available with IC, I3 and I3S options only		

**Stock Product:** *shipped within 3 days*  
BL128 - WHIIC

**Build to Order:** *shipped within two weeks*

## Change Notice

PCN No: 144

Date Issued: February 22, 2018

Notice Type: Product Change

Type: Washdown Lights

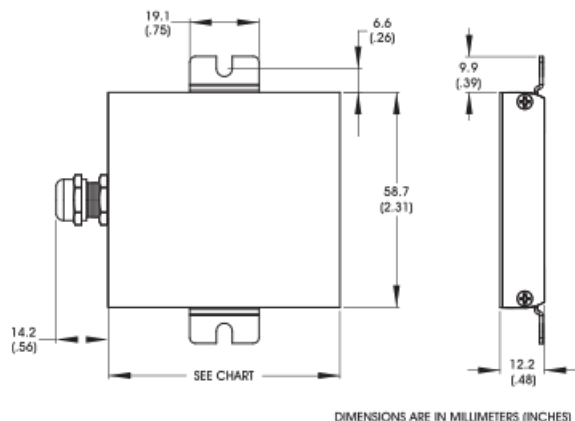
Change Notification Summary

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

## Mechanical Specs



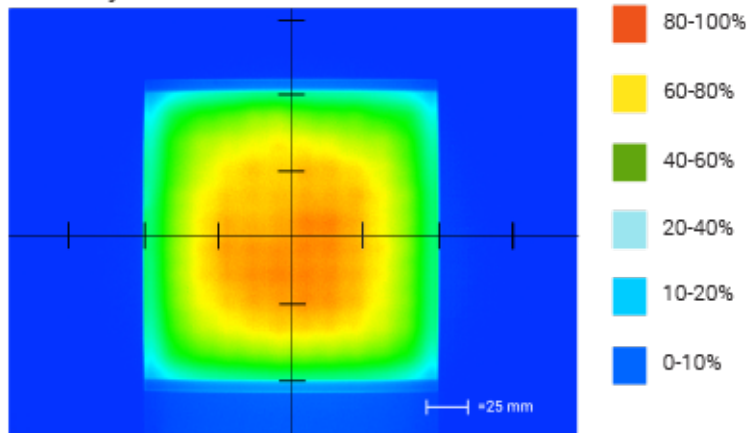
### Washdown and Non Washdown Versions

Part #	Length in mm (inches)
BL12801	36.6 (1.44)
BL128 <sup>1</sup>	62.0 (2.44)
BL12803	87.4 (3.44)
BL12804	112.8 (4.44)
BL12805	138.2 (5.44)
BL12806	163.6 (6.44)
BL12807	189.0 (7.44)
BL12808	214.4 (8.44)
BL12809	239.8 (9.44)
BL12810	265.2 (10.44)
BL12811	290.6 (11.44)
BL12812	316.0 (12.44)
BL12813	341.4 (13.44)
BL12814	366.8 (14.44)

<sup>1</sup>BL128 does not require a two digit suffix to represent this length.

## Optical Specs

### Intensity Distribution



Optical measurement taken using BL128-WHIC

### Area of Illuminance & Intensity

Working Area (FWHM)  
@ Working Distance

Light Output

43.2 X 43.2 (mm)  
@surface

Irradiance (W/M<sup>2</sup>): Min 123.3; Typ 145  
Illuminance (kLux): Min 38.3; Typ 45

## Electrical Specs

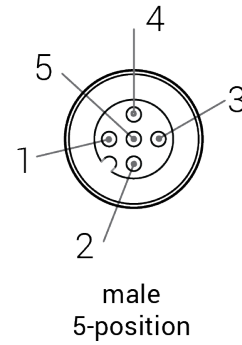
### ICS 2 (IC)

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> <b>DCS Series Controllers</b>	<i>For use with:</i> <b>Pulsar 320 Strobe Controller.</b>	Continuous in-line controller  <i>Powered with:</i> <b>24V power supply</b>	Combination strobe/continuous in-line controller  <i>Powered with:</i> <b>24V power supply</b>	Default-OFF strobe/continuous in-line controller  <i>Powered with:</i> <b>24V power supply</b>

## 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@advill.com](mailto:orders@advill.com).

## Company Information

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