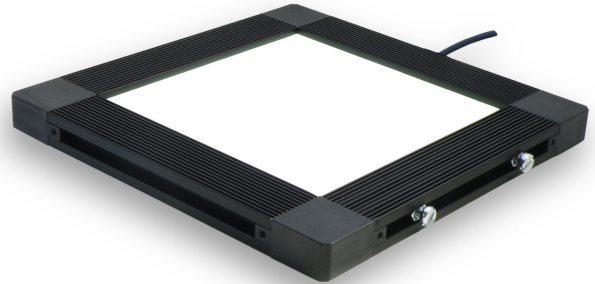


Product Highlights

- The BX series of Edge-lit Backlights are characterized by their high brightness and low heat output.



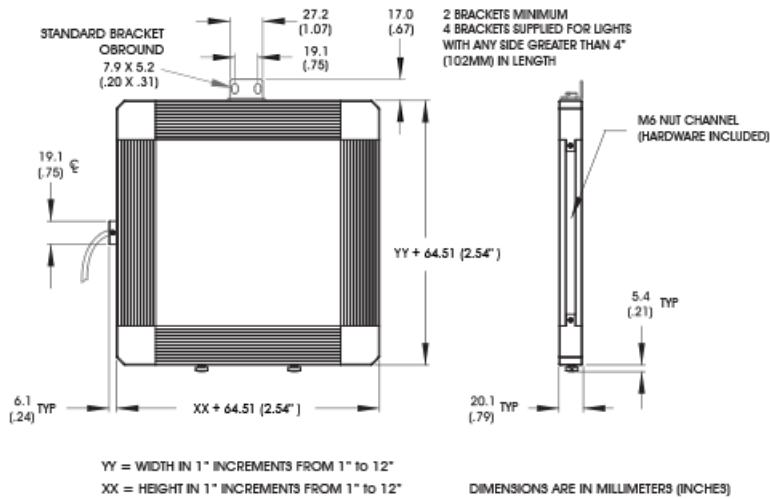
General Specifications

Electrical Specifications	Color	24V Current	All Other Controls
	625	N/A	0.062A Max per inch
	455, 530, WHI	N/A	0.103A Max per inch
	850	N/A	0.05A Max per inch
Normal Operating Temperature	0 - 60°C		
Weight	4" X 4" unit - 560.6g (19.78oz)		
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 Group 1 (Low-Risk) Applicable Wavelengths: 455, 530, 625, WHI		
Compliance	CE, RoHS, IEC 62471		
IP Rating	IP50		
Lumen Maintenance	L70 = 50,000 Hours		

Part Number Key

Model	Height	Width (Cable Side)	—	Spectral Wavelength	Connector/ Control	Optional Conditioning	—	Alternative Connector
BX	XX	YY	—	XXX	XX	X	—	XXX
BX	in 1" increments from 1" to 24"	in 1" increments from 1" to 24"		(blue) 455 (green) 530 (red) 625 (infra-red) 850 (white) WHI	C1 C5 IC I3 I3S	P ² (Polarizer)		M12 ¹
Ex: BX0312-455C1 BX0608-625IC-M12						¹ Available with IC, I3, and I3S ² Maximum size: 16" X 16", (blue) 455 will reduce the life of the polarizer		

Mechanical Specs



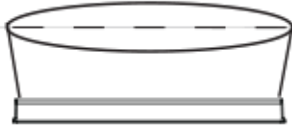
Optical Specs

Area of Illuminance & Intensity

Working Area (FWHM)
@ Working Distance

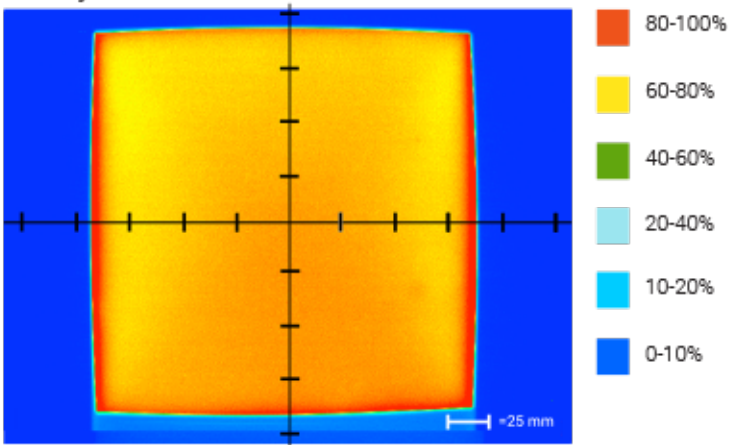
Light Output

191 X 191 (mm)
@surface



Irradiance (W/M²): Min 41.1; Typ 48.4
Illuminance (kLux): Min 8.8; Typ 10.3

Intensity Distribution



Optical measurement taken using BX0808-625IC

Electrical Specs

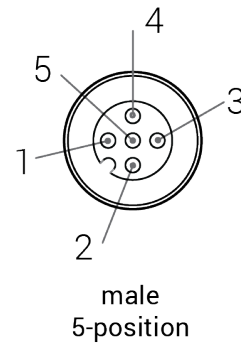
ICS 2 (IC)

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	IC	I3	I3S
<p><i>For use with:</i> DCS Series Controllers</p>	<p><i>For use with:</i> Pulsar 320 Strobe Controller.</p>	<p>Continous in-line controller</p> <p><i>Powered with:</i> 24V power supply</p>	<p>Combination strobe/continous in-line controller</p> <p><i>Powered with:</i> 24V power supply</p>	<p>Default-OFF strobe/continous in-line controller</p> <p><i>Powered with:</i> 24V power supply</p>

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.

Company Information

Advanced Illumination

440 State Garage Road, Rochester, VT 05767

Phone: 802.767.3830

Fax: 802.767.3831

Email: info@advancedillumination.com

Web: advancedillumination.com

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