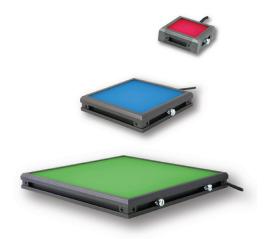


BL 2D Expandable Series Back Lit LED Backlight



Product Highlights

- Extremely consistent light over the entire active area of illumination
- Available in $1" \times 1"$ increments; Sizes from $1" \times 1"$ up to $22" \times 34"$

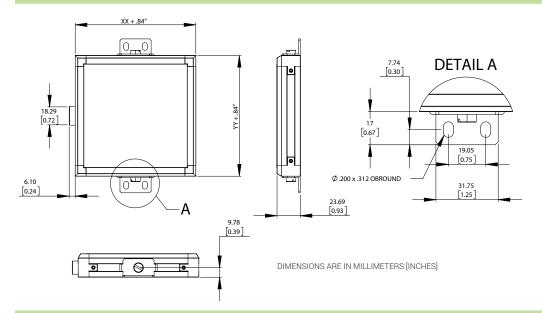


General Specifications

	Color	24v Current	All Other Controls	
Electrical Specifications	660, 880	60, 880 0.03 A per sq. inch 0.018 A Max		
	470, 520, WHI	0.015 A Max per sq. inch		
Normal Operating Temperature	0 - 60°C			
Weight (g)	8" X 8" unit - 1034.2g (36.48oz)			
Standard Cable Information	Up to 2 meters (80") long - 105°C rated PVC jacket, foil shield with drain.			
Photobiological Risk Factor IEC 62471	Exempt (No-Risk) Applicable Wavelengths: 880 Group 1 (Low-Risk) Applicable Wavelengths: 470, 520, 660, WHI			
Compliance	CE ROHS IEC 62471			
IP Rating	IP50			
Lumen Maintenance	L70 = 50,000 hours			

BL 2D Expandable Series

Mechanical Specifications



Note: Please contact the factory if brackets are required on power side and non power side as that is considered a non-standard build.

Part Number Key

Model	Height	Width (Cable Side)	_	Spectral Wavelength	Connector/ Control	Optional Conditioning	_	Alternative Connector
BL	XX	YY		XXX	XX	X		XXX
BL	in 1" increments from 1" to 34"	in 1" increments from 1" to 34"		(blue) 470 (green) 520 (red) 660 (infra-red) 880 (white) WHI	C1 C5 IC I3 I3S 24	P² (Polarizer)		M12 ¹
Ex: BL031: BL060	2-455C1P 8-660IC-M12				¹ Available with IC, I3, I3S and 24v ² Maximum size: 16" X 16", (blue) 470 will reduce the life of the polarizer			

Stock Product: shipped within 3 days

BL0202-66024 BL0404-66024

BL0202-660IC BL0404-660IC BL0202-WHI24 BL0404-WHIIC

BL0404-WHI24

Build to Order: shipped within 2 weeks

Connector | Control Options

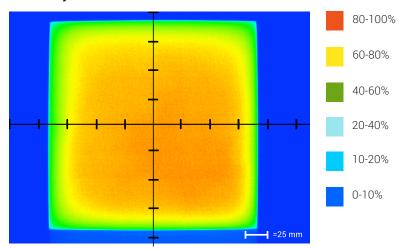
C1 Connector	C5 Connector	ICS 2 (IC)	ICS 3 (I3)	ICS 3S (I3S)	24
For use with: DCS Series Controllers	For use with: Pulsar 320 Strobe Controller.	Continous in-line controller Powered with: 24V power supply	Combination strobe/continous in-line controller Powered with: 24V power supply	Default-OFF strobe/continous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

BL0808-66024

BL 2D Expandable Series

Optical Performance

Intensity Distribution



Optical measurement taken using BL0808-66024

Area of Illuminance & Intensity



Operation and Wiring

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

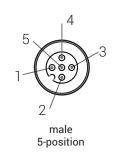
ICS 3 (I3 and I3S)

Pin (M12)	Function	Wire Color
1	+24 VDC	Brown
2	Reserved	White
3	GND	Blue
4	PNP/Active High Trigger	Black
5	0-10 VDC Analog Control	Gray

24 Volt

Function	Wire Color
+24 VDC	Brown
N/A	White
-24 VDC	Blue
N/A	Black
N/A	Gray
	+24 VDC N/A -24 VDC N/A

Optional M12 Pinout



BL 2D Expandable Series

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, EST or send an email to orders@advill.com.

Company Information

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