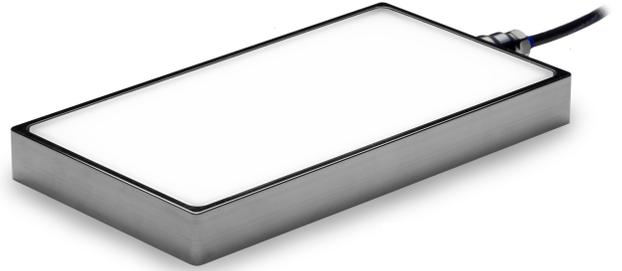


Product Highlights

- Built for extreme environments, our IP69K certified lights are specifically engineered to withstand everything from prolonged liquid immersion to high-pressure steam cleaning and corrosive washdown solutions.



** Patent Pending*

General Specifications

	Color	24V Current	All Other Controls
Electrical Specifications	660, 880	0.03A per sq. inch	0.018A Max per sq. inch
	470, 520, WHI	0.02A per sq. inch	0.015A Max per sq. inch
Normal Operating Temperature	0-60°C		
Weight	4" x 8" unit - 635g (22.4oz)		
Standard Cable Information	2 M long -0/+150 mm (80" -0/+6") - 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	IP69K Certified		
Lumen Maintenance	L70 = 50,000 Hours		

Part Number Key

Model	—	Emitting Length (mm)	Emitting Width (mm)	Peak Wavelength	Connector/Control	—	Alternative Connector
BL245	—	XX	XX	XXX	XX	—	XXX
BL245		01" increments from 02" to 12"	01" increments from 02" to 12"	470 (blue) 520 (green) 660 (red) 880 (IR) WHI (white)	C1 C5 IC I3 I3S 24		M8 ¹ M12 ¹
Ex: BL245-0412WHI3-M12 BL245-1212660C1					¹ Available with IC, I3, and I3S		

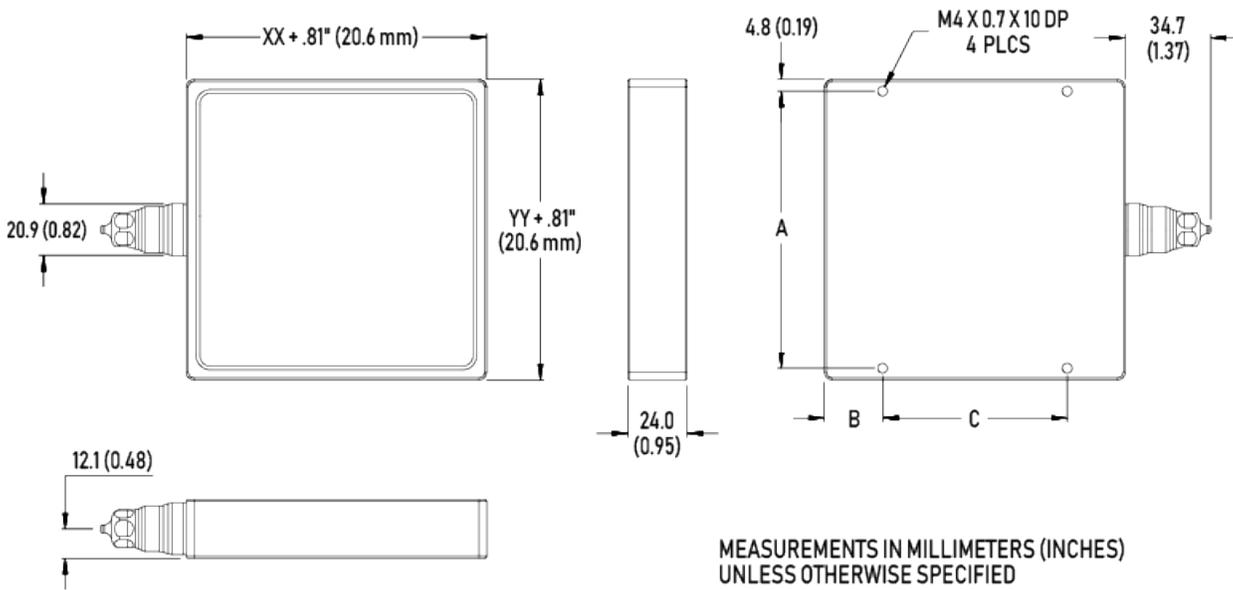
For sizes beyond 12" x 12", contact sales: sales@advancedillumination.com

See website product page for in-stock product numbers.

Shipping:

Stock products: within two weeks

Mechanical Specs

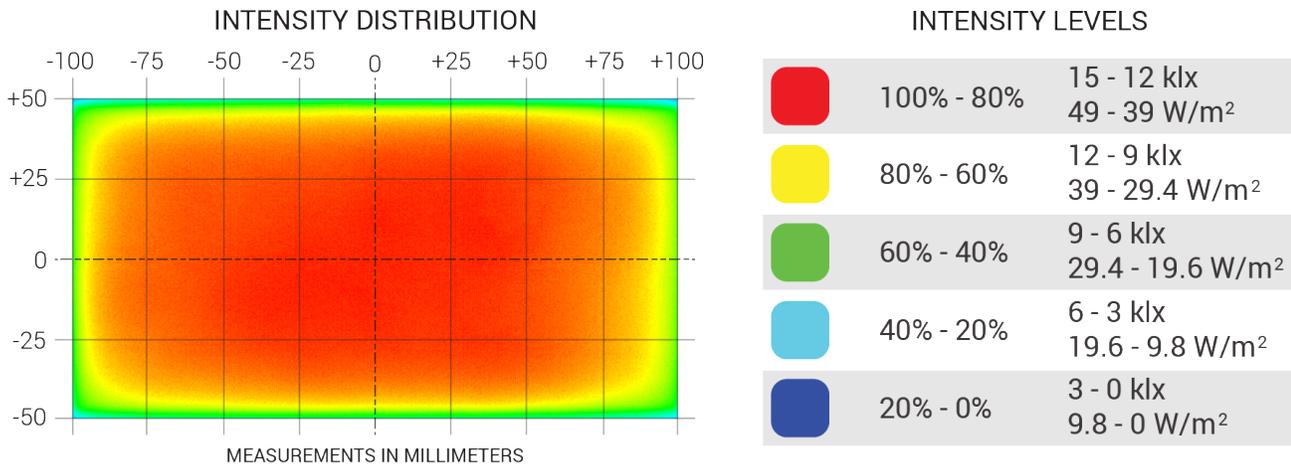


BUILD-TO-ORDER SIZE CHART

BL245-XXYY	XX LENGTH	YY WIDTH	A	B	C
BL245-0404	122.2 (4.81)	122.2 (4.81)	112.6 (4.43)	23.6 (0.93)	75.0 (2.95)
BL245-0606	173.0 (6.81)	173.0 (6.81)	163.4 (6.43)	36.5 (1.44)	100.0 (3.94)
BL245-0804	223.8 (8.81)	122.2 (4.81)	112.6 (4.43)	49.4 (1.94)	125.0 (4.92)
BL245-0808	223.8 (8.81)	223.8 (8.81)	214.2 (8.43)	49.4 (1.94)	125.0 (4.92)
BL245-1208	325.4 (12.81)	223.8 (8.81)	214.2 (8.43)	75.2 (2.96)	175.0 (6.89)
BL245-1212	325.4 (12.81)	325.4 (12.81)	315.8 (12.43)	75.2 (2.96)	175.0 (6.89)

CONTACT SALES FOR ADDITIONAL SIZES

Optical Specs



OPTICAL MEASUREMENTS TAKEN AT THE DIFFUSER SURFACE USING 4" x 8" WHITE LED MODEL

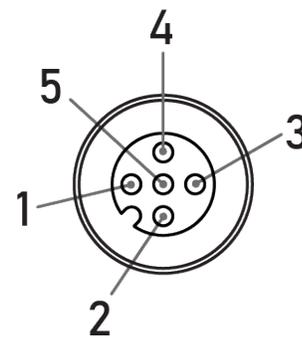
Electrical Specs

Optional M12 Pinout

ICS 2 (IC)		
PIN (M12)	FUNCTION	WIRE COLOR
1	24V DC	BROWN
2	0-10V ANALOG CONTROL	WHITE
3	DC GND	BLUE
4	GLO	BLACK
5	N/A	GRAY

ICS 3 (I3 & I3S)		
PIN (M12)	FUNCTION	WIRE COLOR
1	24V DC	BROWN
2	SHIELD	WHITE
3	DC GND	BLUE
4	PNP/ACTIVE HIGH TRIGGER	BLACK
5	0-10V ANALOG CONTROL	GRAY

24 VOLT		
PIN (M12)	FUNCTION	WIRE COLOR
1	24V DC	BROWN
2	N/A	WHITE
3	DC GND	BLUE
4	N/A	BLACK
5	N/A	GRAY



MALE
5-POSITION

Control Specs

C1 CONNECTOR

For use with:
**DCS Series
Controllers**
Strobe/Continous
Controllers

C5 CONNECTOR

For use with:
Pulsar 320
High Power
Strobe Only
Controller

ICS 2 (IC)

In-line Continous
Controller

Powered with:
24V Power Supply

ICS 3

In-line Strobe/
Continous Controller
Default On

Powered with:
24V Power Supply

ICS 3S (I3S)

In-line Strobe/
Continous Controller
Default Off

Powered with:
24V Power Supply

24 VOLT

Flying/Tinned
Leads

Powered with:
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 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@advancedillumination.com.

Company Information

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