Product Highlights
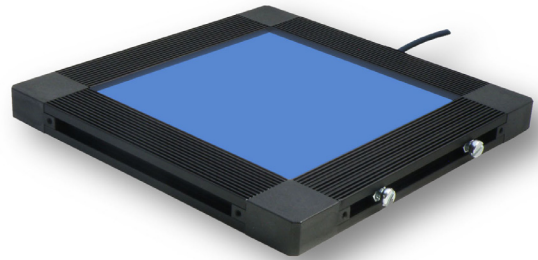
- 30% brighter than same size surface mount light

- Uniform illumination and low heat output

- Available in 1" x 1" increments up to 16" x 16".
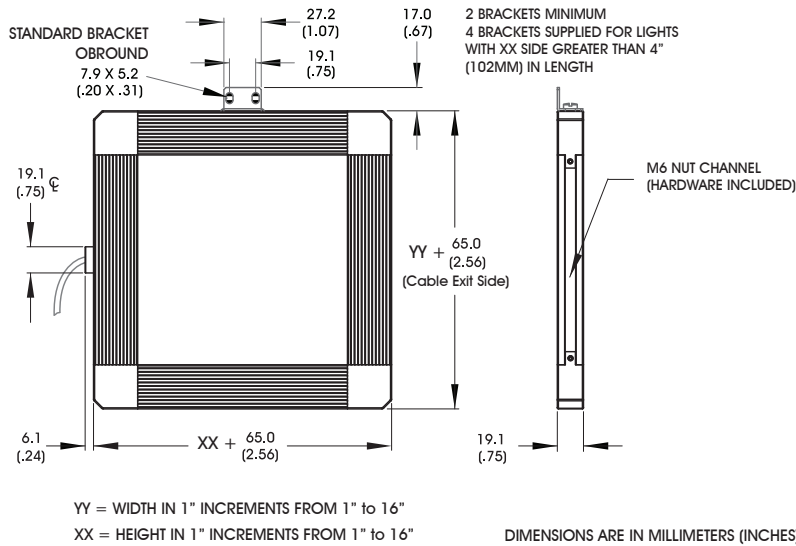
General Specifications

	Color	24v Current	All Other Controls
Electrical Specifications	625	N/A	0.062 A Max per 1 inches
	455, 530, WHI	N/A	0.103 A Max per 1 inches
	850	N/A	0.05 A Max per 1 inches
Normal Operating Temperature	0 - 60°C		
Weight (g)	4" X 4" - 561.6g (19.81oz)		
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:** 455, 530, 625, WHI		
Compliance	CE RoHS IEC 62471		
IP Rating	IP50		
Lumen Maintenance	L70 = 50,000 hours		

Mechanical Specifications

STANDARD BRACKET OBROUND
7.9 X 5.2 (.20 X .31)

27.2 (1.07)
19.1 (.75)
17.0 (.67)

2 BRACKETS MINIMUM
4 BRACKETS SUPPLIED FOR LIGHTS WITH XX SIDE GREATER THAN 4" (102MM) IN LENGTH

19.1 (.75)

M6 NUT CHANNEL (HARDWARE INCLUDED)

YY + 65.0 (2.56) (Cable Exit Side)

6.1 (.24)
XX + 65.0 (2.56)
19.1 (.75)

YY = WIDTH IN 1" INCREMENTS FROM 1" to 16"
XX = HEIGHT IN 1" INCREMENTS FROM 1" to 16"

DIMENSIONS ARE IN MILLIMETERS (INCHES)

Part Number Key

Model	Height	Width (Cable Side)	—	Spectral Wavelength	Connector/ Control	—	Alternative Connector
CX	XX	YY	—	XXX	XX	—	XXX
CX	in 1" increments from 1" to 16"	in 1" increments from 1" to 16"		(blue) 455 (green) 530 (red) 625 (infra-red) 850 (white) WHI	C1 C5 IC I3 I3S		M12[1]

Ex: CX0312-455C1
CX0608-625IC-M12

[1] Available with IC, I3 and I3S

Stock Product: *shipped within 3 days*
CX0404-WHIIC

Build to Order:
Red & White: *Shipped in Two Weeks*
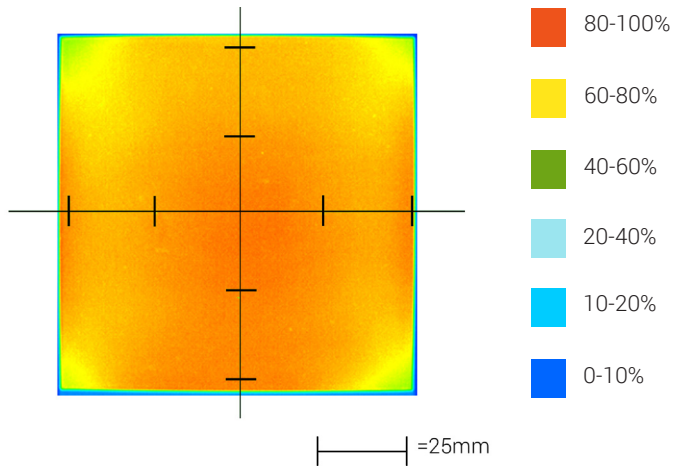Blue & Green: *Four Weeks*

Connector | Control Options

C1 Connector	C5 Connector	ICS 2 (IC)	ICS 3 (I3)	ICS 3S (I3S)
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

Optical Performance

Intensity Distribution

- 80-100%
- 60-80%
- 40-60%
- 20-40%
- 10-20%
- 0-10%

|—| =25mm

Optical measurement taken using CX0404-WHIIC

Area of Illuminance & Intensity

Working Area (FWHM)
@ Working Distance

Light Output

99 X 99 (mm)
@**surface**

Irradiance (W/M²): Min 48.5; Typ 57
Illuminance (kLux):   Min 18.9 ; Typ 22.2
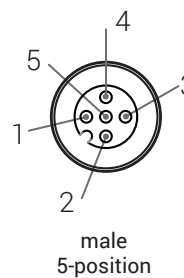
Operation and Wiring

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

Optional M12 Pinout

male
5-position

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

Advanced Illumination

440 State Garage Road, Rochester VT. 05767

Phone: 802.767.3830

   Fax: 802.767.3831

Email: info@advancedillumination.com

Web: advancedillumination.com