

Back Lit Collimated Backlights



Product Highlights

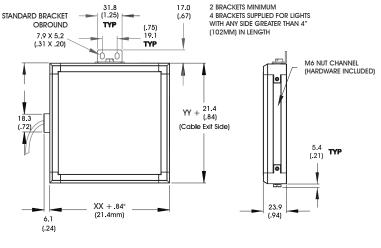
- · Collimation greatly improves edge detection of curved objects
- Available in 1" increments; Sizes from 1" x 1" up to 16" x 16"



General Specifications

	Color	24v Current	All Other Controls	
Electrical Specifications	660, 880	0.03 A per sq. inch	0.018 A Max per sq. inch	
	470, 520, WHI	0.02 A per sq. inch	0.015 A Max per sq. inch	
Normal Operating Temperature	0 - 60°C			
Weight (g)	8" X 8" unit - 1292.74g (45.6oz)			
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			
IP Rating	IP50			
Lumen Maintenance	L70 = 50,000 hours			

Mechanical Specifications



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
СВ	XX	YY	_	XXX	XX	_	XXX
СВ	in 1" increments from 1" to 16"	in 1" increments from 1" to 16"		(blue) 470 (green) 520 (red) 660 (infra-red) 880 (white) WHI	C1 C5 IC I3 I3S 24		M12 ¹
Ex: CB0312 CB0608	2-470C1 3-660IC-M12				¹Availal	ole with IC, I	3, I3S and 24v

Stock Product: shipped within 3 days

CB0404-WHIIC

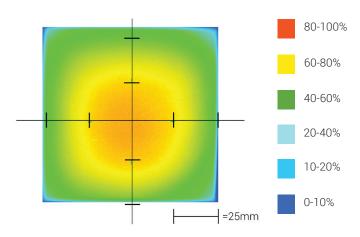
Build to Order. shipped in two weeks

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

Optical Performance

Intensity Distribution



Optical measurement taken using CB0404-WHIIC

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	DCGND	Blue
4	GLO	Black

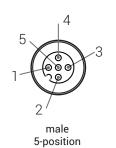
ICS 3 (I3 and I3S)

100 0 (13 and 130)				
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

Pin (M12)	Function	Wire Color
1	+24 VDC	Brown
2	N/A	White
3	GND	Blue
4	N/A	Black

Optional M12 Pinout



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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Released 7/15/2015 Updated 5/15/2017 DCN 2272

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