SL223

MicroBrite™ Spot/Coaxial Light

Product Highlights

- The SL223 is characterized as a MicroBrite™ Spot/Coaxial Light and is designed primarily to replace fiber optic light sources in coaxial lensing applications.
- The barrel is 1.5" (38.1mm) long with a diameter of .307/.312" (7.8/7.95mm).
- Optional couplers are available for use with Dolan-Jenner, Fostec, and Moritex fiber bundles.
- The SL223 is also designed for general lighting purposes where a very intense, miniaturized light source is required. General purpose spot lights may be used to create both dark field and bright field affects, depending on how they are deployed during the inspection.

General Specifications

Electrical Specifications	Color	24V Current	All Other Controls
	365, 375, 385, 395, 405	N/A	0.25 A Max
	625	N/A	0.45 A Max
	WHI, 455, 470, 505, 530, 590, 660	N/A	0.30 A Max
	730, 850, 940	N/A	0.70 A Max
Normal Operating Temperature	0 - 60°C		
Weight	13.6g (0.48oz)		
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, 940 Group 1 (Low-Risk) Applicable Wavelengths: 455, 470, 505, 530, 590, 625, 660, 730, WHI Group 2 (Moderate-Risk) Applicable Wavelengths: 365, 375, 385, 395, 405		

Compliance	CE, RoHS, IEC 62471
IP Rating	IP65
Lumen Maintenance	L70 = 50,000 Hours

Part Number Key

Model	Optional Mounting	—	Spectral Wavelength	Connector/ Control	—	Alternative Connector
SL223	X	—	XXX	XX	—	XXX
SL223	B (leave blank for std.)		(UV) 365 (UV) 375 (UV) 385 (UV) 395 (UV) 405 (royal blue) 455 (blue) 470 (cyan) 505 (green) 530 (amber) 590 (red orange) 625 (red) 660 (infra-red) 730 (infra-red) 850 (infra-red) 940 (white) WHI	C1 C5 IC I3 I3S		M12[1]

Ex: SL223B-530C1
SL223-WHII3-M12

[1] Available with IC, I3, and I3S options only

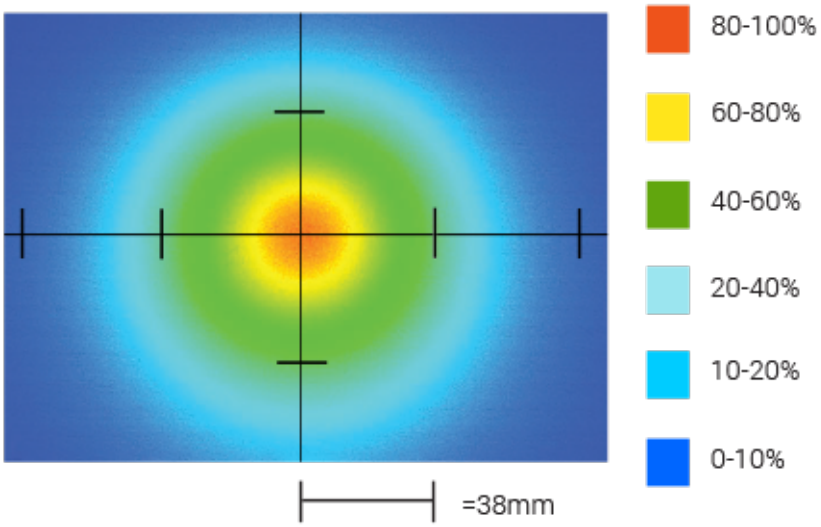
Stock Product: *shipped next day*

SL223-625IC
SL223-WHIIC

Build to Order: *shipped in two weeks*

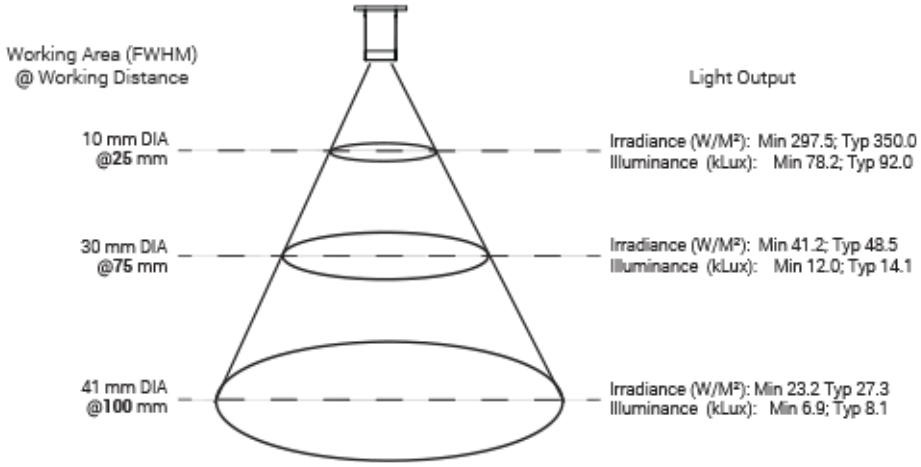
Optical Specs

Intensity Distribution



Optical measurement taken using SL223-WHIIC @ 75mm

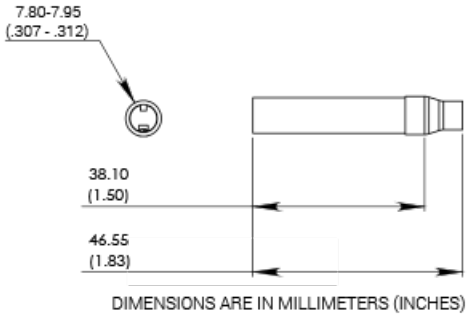
Area of Illuminance & Intensity



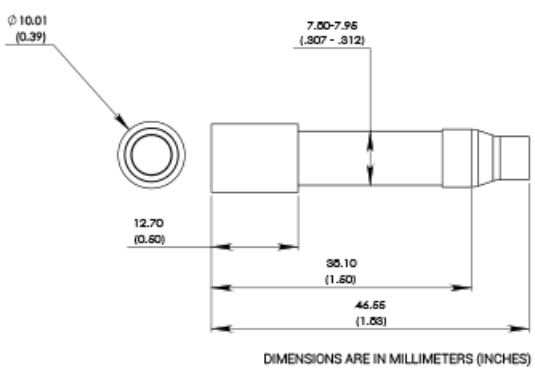
Control Specs

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**

Mechanical Specs



Standard Mounting
(leave blank when ordering)



Mounting Option B

Electrical Specs

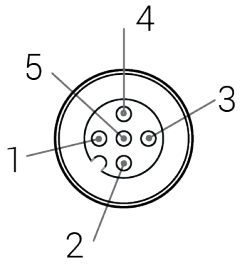
ICS 2 (IC)

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



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 ET or send an email to orders@advill.com.

Company Information

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