

SL2420

Bright Field Spot Light

- Aii** Ai's most popular spot light - intense illumination in a small package
- Aii** High contrast on non-reflective objects



Ordering Information

Standard Product:
Shipped Next Day

Standard Product Variation:
Shipped Within Two Weeks

IS = ISU (requires 24v power supply)
C2 = Ai Connector
C3 = Pulsar 710 Connector
C5 = Pulsar 320 Connector
* Available with IS and 24v options only
† Not available in 12v

SL2420-660100L

Configured for use with Ai Power Supply

SL2420-660100L24

Configured for use with user supplied 24vDC Power Supply

	Spectral wavelength	Stand off	Field of view	Optional power Compatibility	Optional Light Conditioning	Alternative Connector
SL2420 -	XXX	XXX	XX	XX	X	XXX
	(uv) 395 [◇]	See chart to compute standoff.	XL	IS	D	M12* (male)
	(blue) 470 [†]		L	C2	(Diffuser)	
	(green) 520 [†]		M	C3	P	
	(yellow) 590		S	C5	(Polarizer)	
	(orange) 625			12		
	(red) 660			24		
	(infra-red) 880					
	(white) WHI [†]					

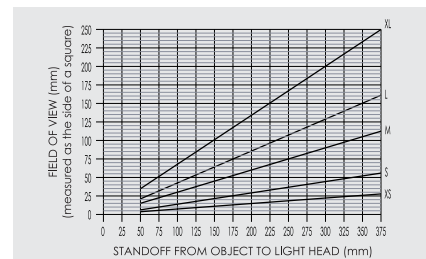
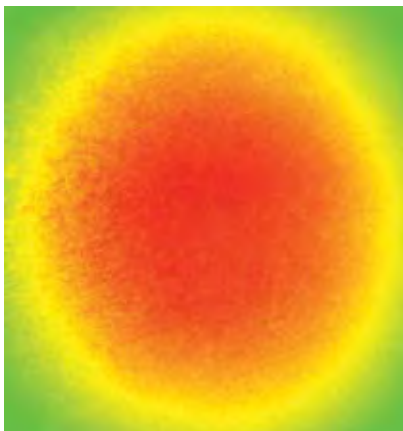


Figure 1
Identify desired FOV and standoff, then specify nearest illuminated area size

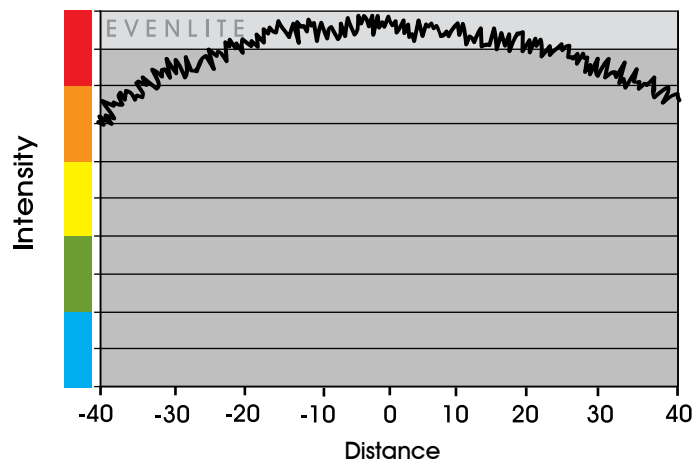
[◇]UV LEDs have a considerably shorter half-life than other LEDs (<1000hrs). For this reason Ai recommends these LEDs be used in strobe mode only. For applications requiring continuous 24v power, contact Ai for assistance.

Light Consistency Information

Intensity Distribution

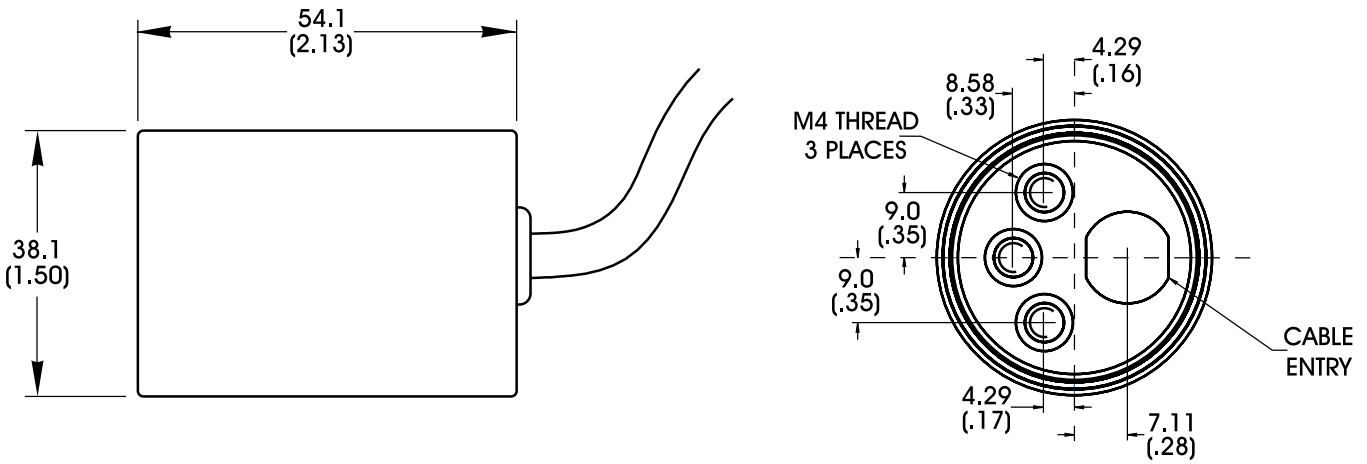


Intensity Cross Section



Dimensional Information

[Click for Installation Models & Drawings](#)



DIMENSIONS ARE IN MILLIMETERS (INCHES)

Standard Variation Current Specifications

	blue	green	yellow	orange	red	infra-red	white	RGB	
@12	N/A	N/A	80	80	120	130	N/A	N/A	mA
@24	75	75	40	40	60	80	75	N/A	mA
Ai	80	80	80	80	120	120	80	N/A	mA

General Specifications

Weight: 194.1 g (6.8oz)
 Finish: Black Anodized
 Operating Temperature: 0-60°C
 Meets Specifications: CE, RoHS

Standard Product Information

Red	Max. Illumination	Irradiance (mW/cm ²)	Illuminance (Lux)
	Working Distance: 100mm	.82	N/A
	Lifetime	50,000 hrs	

White	Max. Illumination	Irradiance (mW/cm ²)	Illuminance (Lux)
	Working Distance: 100mm	1.3	3,800
	Lifetime	10,000 hrs	

Additional Information