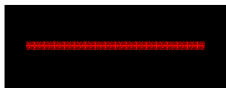


Structured Light

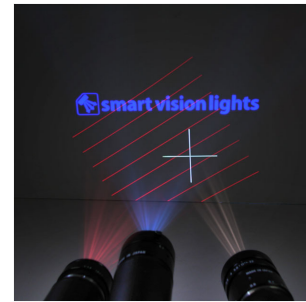
- 5 Watt LED
- Highest Power LED Projector
- Driver built in – No External wiring to a driver
- PNP and NPN Strobe input
- Continuous operation or Strobe mode
- Dimmable via built in potentiometer


SHARP UNIFORM LIGHT


LED Projector can provide thinner lines with sharper edges and a more uniform illumination.



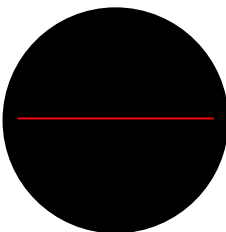
Laser emitters have thicker lines with blurred edges. Non uniformity with decay at the ends along with speckle are present in laser emitters.

ANY SHAPE CAN BE PROJECTED


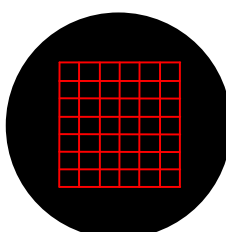
**Multiple LED Wavelengths
UV to IR Available**

Standard patterns are available and custom patterns can be etched. Patterns can be changed.

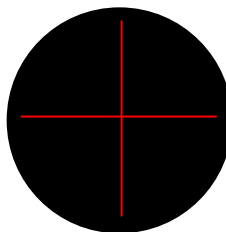
Line



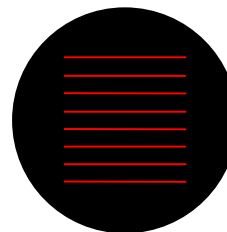
Grid



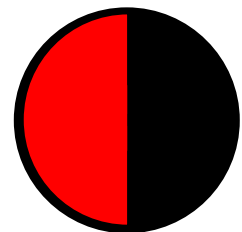
Cross



Multiple Lines



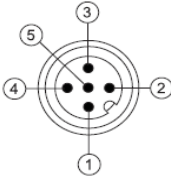
Edge



Projectors integrate standard C-mount 2/3" lenses. Telecentric lenses can also be used for telecentric pattern projection. Projector lenses and pattern sizes with distances are listed in the chart below. Chart is approximations due to differences of lens manufacturers.

Lens Focal Length	Angle of View (deg.)	Min. Proj. Distance (mm)	Diameter (mm)									Distance (mm)
			100	150	200	250	300	500	1000	1500	2000	
6	85.0	100	183	275	367	458	550	917				
8	69.0	100	138	206	275	344	413	688				
12	49.2	100	92	138	183	229	275	458	917			
16	37.9	200			138	172	206	344	688			
25	24.8	200			88	110	132	220	440	660	880	
35	17.9	350						157	314	471	629	
50	12.6	500						110	220	330	440	
75	8.4	1200								220	293	
100	6.3	2000									220	

Electrical Input	Voltage - 24 VDC +/- 10% Maximum 10 Watts
Analog Intensity	The output is adjustable from 10%-100% of brightness by a 0 -10 VDC signal
Dimmable	The output is manually adjustable from 10%-100% of brightness by potentiometer
Continuous Mode	Light will be in continuous mode by leaving signal on strobe input
Strobe	PNP ► +5VDC or greater to activate. NPN ► GND (<1VDC) to activate
Strobe Mode	The Light will operate in either continuous or strobe mode. In strobe mode, the output pulse width will track the pulse width of the strobe pulse.

	<p>1 = 24VDC 2 = NPN STROBE 3 = GND 4 = PNP STROBE 5 = 0-10VDC Analog</p>	<p>Standard M12 mating cable color code:</p> <p>BROWN WHITE BLUE BLACK *GRAY (GREEN/YELLOW)</p>
<p>* 5 pin Standard M12 mating cable must be used: +VDC must be connected to pin 5 if Analog 0-10 VDC is not used.</p>		

SP30 – XXX – XXX —» Part Number Key

<p>Product Family: Spot Light 30mm Barrel</p>	<p>Pattern: Line – LN Grid– GD Cross Hair – CH</p> <p>Contact us for more details</p>	<p>Color: 625 – Red White – WHI 470 – Blue 530 – Green</p>
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