



LED.S50L.. High-Intensity Spot Light
For use with Banner and other Vision Systems
Now Available Infrared and UV Version
 Updated January 2012



Model *	LED Colors	Lumens mWatts	Lux mW/cm ²		Lens Angle	Connection
			0.5 m	1 m		
LEDRS50L5-XQ †	Red, 620-630 nm	110 lm	8,000 lx	2,000 lx	± 5° (smaller, more focused spot; see graph)	5-pin Euro integral QD connector (use with a 5- wire mating cordset)
LEDWS50L5-XQ	White, 5000-8300 K	295 lm	13,780 lx	3,445 lx		
LEDBS50L5-XQ †	Blue 465-485 nm	85 lm	4,880 lx	1,220 lx		
LEDGS50L5-XQ	Green, 520-535 nm	210 lm	13,000 lx	3,250 lx		
LEDIS50L5-XQ New!	Infrared , 850 nm	760 mW	4.40 mW/cm ²	1.10 mW/cm ²		
LEDUV395S50L5-XQ ‡ New!	Ultraviolet, 395 nm	480 mW	2.10 mW/cm ²	.525 mW/cm ²		
LEDRS50L11-XQ	Red, 620-630 nm	105 lm	2,500 lx	625 lx	± 11° (large spot; see graph)	
LEDWS50L11-XQ	White, 5000-8300 K	285 lm	5,460 lx	1,365 lx		
LEDBS50L11-XQ †	Blue 465-485 nm	80 lm	1,540 lx	385 lx		
LEDGS50L11-XQ	Green, 520-535 nm	200 lm	3,900 lx	975 lx		
LEDUV395S50L11-XQ‡ New!	Ultraviolet, 395 nm	420 mW	.780 mW/cm ²	.195 mW/cm ²		
LEDIS50L14-XQ New!	Infrared, 850 nm	665 mW	1.16 mW/cm ²	.290 mW/cm ²	± 14° (large spot; see graph)	
LEDRS50L20-XQ	Red, 620-630 nm	100 lm	1,040 lx	260 lx	± 20° (large spot; see graph)	
LEDWS50L20-XQ	White, 5000-8300 K	270 lm	2,000 lx	500 lx		
LEDBS50L20-XQ †	Blue 465-485 nm	75 lm	700 lx	175 lx		
LEDGS50L20-XQ	Green, 520-535 nm	190 lm	1,700 lx	425 lx		
LEDUV395S50L20-XQ‡ New!	Ultraviolet, 395 nm	390 mW	.420 mW/cm ²	.105 mW/cm ²		

* Integral QD models only are listed

- For integral 2 m (6.5') PVC cable, omit suffix 'XQ' from model number (example: **LEDRS50L5**).
- A model with a QD requires a mating cordset (see datasheet p/n [158249](#))

† Caution: Possibly hazardous optical radiation emitted from this product (see datasheet)

‡ Caution: UV Emitted from this product (see datasheet)

Development Strategy

Provide a very bright sealed spotlight for use in vision applications. The aluminum base dissipates heat to keep the LEDs cool, maximizing the life of the product. The 30mm threads and the large selection of accessory brackets make mounting and alignment simple.

Features

- Low-cost, washdown spot light for Banner and other vision systems
- Continuous or strobed operation, depending on wiring
- Selectable Active High or Active Low strobe option, depending on wiring
- Optically isolated strobe signal
- Three lens options, depending on model to vary spot size
- Illuminates a large area with an even pattern and no shadows
- 12 to 30V dc operation
- Cabled and quick-disconnect models available
- 50 mm diameter with flat profile and 30 mm mounting base
- Rugged sealed housing rated to IP69K

Links and Sales Tools

Literature

LED..S50L.. High-Intensity Spot Light datasheet p/n [158249](#)

Competition

- Smart Vision Lights
- Advanced Illumination
- NERLITE