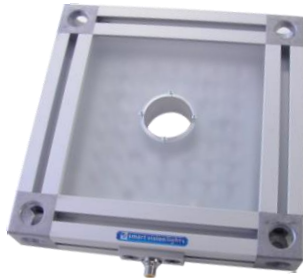



**product features**


- 40, 1mm<sup>2</sup> Die High Current LEDs
- Different Lenses Available
- Conversion Adapters For Different Cameras
- PNP and NPN Strobe Input
- Continuous Operation or Strobe Mode
- Analog Intensity 0-10VDC Signal


**product specifications**

<b>Electrical Input</b>	24 VDC +/- 5%
<b>Current</b>	Max. 1.5A
<b>Wattage</b>	Max. 36W
<b>Strobe Input</b>	PNP ▶ +4VDC or greater to activate.   NPN ▶ GND (<1VDC) to activate
<b>PNP Line</b>	3.7mA @ 3VDC   6.2mA @ 5VDC   12.6mA @ 10VDC   30.4mA @ 24 VDC
<b>NPN Line</b>	22mA @ Common (0VDC)
<b>Continuous Mode</b>	Light will be in continuous mode by leaving signal on strobe input active
<b>Analog Intensity</b>	The output is adjustable from 10 -100% of brightness by a 0 -10 VDC signal
<b>Connection</b>	5 pin M12 connector
<b>Lifespan</b>	100,000 hrs
<b>IP Rating</b>	IP50
<b>Weight</b>	~1570g
<b>Certification</b>	CE and RoHS certified
<b>IEC 62471 Rating</b>	See page 3


**product number key**

## RL200 – XXX – X\* —» Part Number Key

**Product Family:**  
Ring Light  
RL200

**Color:**  
470 – Blue  
505 – Cyan  
530 – Green  
625 – Red  
850 – IR  
WHI - White

**Lenses:**  
N-Narrow  
L - Line

\* Lights come standard with Wide lenses

CE and RoHS Compliant



## warnings



### Attention

Please note that the power requirements are up to 1.5A at 24VDC. Failure to supply light with up to 1.5A can result in non-repeatable lighting. Contact Smart Vision Lights for more information.



## wiring configuration

If Analog 0-10 VDC is not used to control light intensity;  
+VDC (24VDC) must be connected to Analog Input - Jumper pin 5 to pin 1

	Pin	Function	Signal	Wire Color
	1	Power In	+24VDC	<b>BROWN</b>
	2	NPN	Sinking Signal	<b>WHITE</b>
	3	GND	Ground	<b>BLUE</b>
	4	PNP	Sourcing Signal	<b>BLACK</b>
	5	Intensity Control	0-10VDC	<b>GREY †</b>

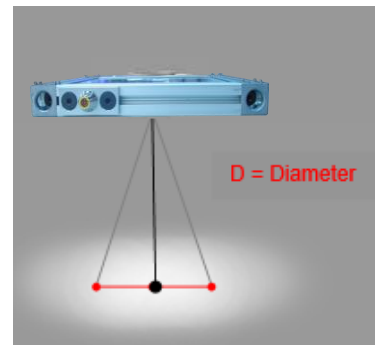
† Some cables use green with yellow stripe for 0-10V adjustment



## optical performance

### RL200-XXX-W

Working Distance mm (inches)	Pattern (80%-100% measured intensity) mm (Inches)
.5m (20")	21cm(8") D
1m (40")	35cm(14") D
Typical output performance	
Distance = .5 meter	Illumination (Lux) 20000
<i>Illumination measurement taken on White Lights – 6500K</i>	



## mounting & accessories



- Standard T-nut with 5/16-18x1/2" bolt



risk group

According to IEC 62471:2006. Full documentation upon request.

**Notice**

Exempt Group: No photo biological hazard to eyes or skin even for continuous, unrestricted use.  
Applicable for wavelengths: 625 and 850.

**Caution**

Risk Group 1: Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to eye. Safe for most applications except prolonged exposures.  
Applicable for wavelengths: 470, 505, 530, and WHI.