

# LTLAC2-R

Diffusive strobed low angle ring light illuminator - large size high power red



OPTO ENGINEERING

## SPECIFICATIONS

### Optical specifications

Number of LEDs		80
Light color		red, 625 nm
Spectral FWHM	(nm)	20
Diffusive ring		yes
Illumination area diameter	(mm)	100
Suggested working distance WD	(mm)	5-50
Minimum estimated illumination at driving current = 3.5 A <sup>1</sup>	(klux)	45
Minimum estimated illumination at driving current = 7.5 A <sup>1</sup>	(klux)	90
Minimum estimated illumination at driving current = 17.0 A <sup>1</sup>	(klux)	170
Aperture range	(mm)	102 (fixed)

### Electrical specifications

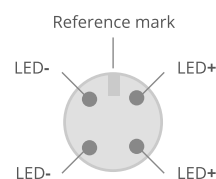
Power supply mode		strobe only, constant current driving
Driving current, min	(A)	3.5
Driving current, max	(A)	17.0
Pulse width <sup>2</sup>	(ms)	≤ 1
Connection type <sup>3</sup>		M12 industrial male connector
Estimated MTBF <sup>4</sup>	(hours)	> 50000
Pin 1		LED +
Pin 2		LED +
Pin 3		LED -
Pin 4		LED -

### Mechanical specifications

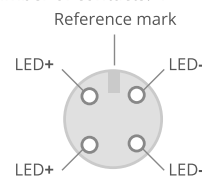
Length	(mm)	206
Width	(mm)	206
Height	(mm)	76
Material		black anodized aluminum body



### CONNECTION



Illuminator side - male pins  
 Front view  
 - thread: **M12**, industrial  
 - description: **receptacle**, straight  
 - plug-in contact type: **male**  
 - number of contacts: 4



Cable side (front view)  
 Pin  
 Cable color  
 LED+  
 Black  
 Brown  
 LED-  
 Blue  
 White  
**Do not remove parallelization**



Clamping system	8 threaded holes for M6 screw
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### Compatibility

Strobe controllers	LTDV1CH-17, LTDV6CH
Lenses	TCxx036, TCxx048, TC12056, TC23056, TC13064, TCxx064, TC2MHR036-x, TC2MHR048-x, TC2MHR056-x, TC2MHR064-x, TC4MHR036-x, TC4MHR048-x, TC4MHR056-x, TC4MHR064-x, TC16M036-x, TC16M048-x, TC16M056-x, TC16M064-x, TC12K064, TCLW series, TC4K060-x, TCZR072, MCZR025-006, MCZR018-004, MCZR014-003, MC033X, MC12K200X-x, MC12K150X-x, MC12K100X-x, MC12K067X-x, RT series, MC4K050X-x, MC4K075X-x, MC4K100X-x, MC4K125X-x, MC4K150X-x
Cable	CBLT001, CBLT002

### Environment

Operating temperature	(deg) 0-40
Storage temperature	(deg) 0-50
Humidity	20-85% non condensing
IP rating	-
Installation	indoor use only

### NOTES

1. At max Working Distance W.D.
2. At 25°C. At max pulse width (1 ms), max pulse frequency = 15 Hz.
3. 5 m cable with straight female connector included. Optional cable with right angled connector is also available and must be ordered separately (refer to our website for further info and ordering codes).
4. At 25°C.

### COMPATIBLE PRODUCTS



<b>LTDV6CH</b>	Strobe controller 6 channels
<b>LTDV1CH-17V</b>	Strobe controller 1 channel variable current 5 mA - 17A
<b>LTDV1CH-17</b>	Strobe controller 1 channel 17 A



<b>CBLT001</b>	Illumination cable PVC black, side 1 M12 connector straight, side 2 cable end - 5 m - for single stage systems
<b>CBLT002</b>	Illumination cable PVC black, side 1 M12 connector right angled, side 2 cable end - 5 m - for single stage systems