



TMS LITE SDN BHD

(Company Registration No : 200401033463 / 671971-V)

No. 2A-2, Tingkat Kenari 5, Desa Ria, Sungai Ara, 11900 Bayan Lepas, Penang, Malaysia.

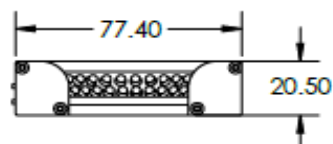
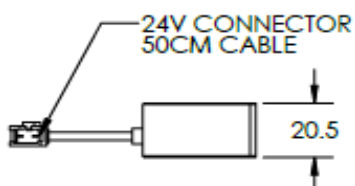
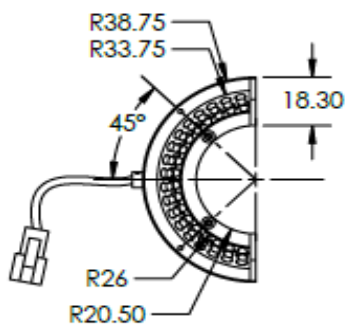
Tel : +604-646 8428 Fax : +604-646 3428

Email : sales@tms-lite.com | support@tms-lite.com



LLAC-60-070-2-R-24V

Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45 °C
Storage Humidity Range	20 - 85 %
Weight	45g
Length / Outer Diameter	38.75mm
Width / Inner Diameter	20.5mm
Thickness / Height	20.5mm



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Lighting Information																										
Part Number	LLAC-60-070-2-R-24V																									
LED Color	RED																									
Wavelength	630																									
Working Distance	15mm		20mm		25mm																					
Intensity (±15%)	TBA		TBA		TBA																					
Illumination (number of row)	2																									
Illumination Active Area	Active Length / Outer Dia.		33.75mm																							
	Active Width / Inner Dia.		26mm																							
Emission angle	60																									
Eye Safety Class (IEC62471)	EXEMPT																									
Chromaticity Table For White colour only	<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td><td>X</td><td>0.311</td><td>0.307</td><td>0.33</td><td>0.33</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table>						X	0.296	0.287	0.307	0.311	X	0.311	0.307	0.33	0.33	Y	0.276	0.295	0.315	0.294	Y	0.294	0.315	0.339	0.318
X	0.296	0.287	0.307	0.311	X	0.311	0.307	0.33	0.33																	
Y	0.276	0.295	0.315	0.294	Y	0.294	0.315	0.339	0.318																	

Electrical Information	
LED Color	RED
Rated Constant Voltage	24V
Rated Constant Current	97.5mA
Power Consumption	2.34W
Casing temperature, After 60 minutes operation	TBA

Strobe Mode Specification	
**Normal Strobe Voltage	24 V
LED Color	RED
**Normal Strobe Current	97.5mA
Overdrive Voltage Range	Min: 36V Max: 48V
Overdrive Current Range	Min: 146.25mA Max: 195mA
Recommended Overdrive Voltage	36 V
***Max. Trigger Pulse Duration	10 msec
***Max. Duty Cycle	10 %

**Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.

***Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle. Failure in following this may results in damaging the lighting.



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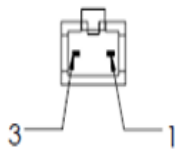
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Connection Information			
Connector Type (Default)	JST SMR-03V		
Cable Length	50 CM		
Pin Configuration	Pin	Signal	Cable Colour
	1	LED +	Red
	2	N.C	-
	3	LED -	White
	4		
	5		
 			

Additional Information	
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	SD,ST,ANG,LC,SDA,SDP Series
CE Conformity	Yes
RoHS Compliance	Yes
Reach	No
BIS	No
UKCA	No

Application	
Illumination Type	Half Circle Illumination
Application Use	Edge Detection, Scratch on Metal and Glossy Surface



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Lighting Pattern																																															
LED Color	RED																																														
Working Distance																																															
Display and Image																																															
Data Results	<table><tr><td>Horizontal</td><td>Meas.(mm)</td><td>Vertical</td><td>Meas.(mm)</td></tr><tr><td>90%</td><td></td><td>90%</td><td></td></tr><tr><td>80%</td><td></td><td>80%</td><td></td></tr><tr><td>70%</td><td></td><td>70%</td><td></td></tr><tr><td>60%</td><td></td><td>60%</td><td></td></tr><tr><td>50%</td><td></td><td>50%</td><td></td></tr><tr><td>40%</td><td></td><td>40%</td><td></td></tr><tr><td>30%</td><td></td><td>30%</td><td></td></tr><tr><td>20%</td><td></td><td>20%</td><td></td></tr><tr><td>10%</td><td></td><td>10%</td><td></td></tr></table> <table><tr><td>Max</td><td>Meas.(cd/m2)</td></tr><tr><td></td><td></td></tr></table>			Horizontal	Meas.(mm)	Vertical	Meas.(mm)	90%		90%		80%		80%		70%		70%		60%		60%		50%		50%		40%		40%		30%		30%		20%		20%		10%		10%		Max	Meas.(cd/m2)		
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