

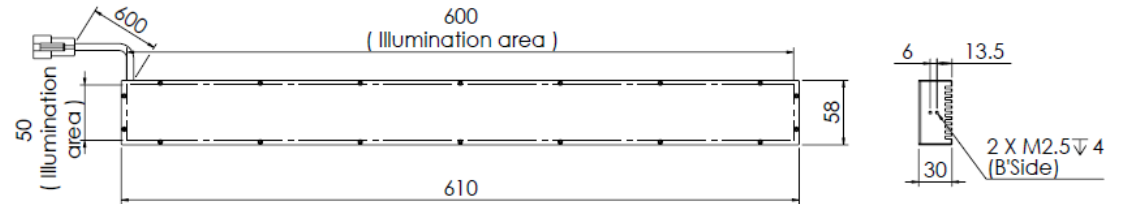
Bar Light

FLDL-i600x50-5

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	1310 g
Lighting Dimension, WxLxH	58.0 x 610.0 x 30.0 mm
IP Rating	IP 30

Unit in mm




Optical Information		
Led Color	InfraRed (IR24)	W
Wavelength	940nm	xy=(0.31,0.32)
Illumination (number of LED)	510	504
Illumination Area	600 x 50 mm	
Led Package	T1 3/4 5mm	
Eye Safety (EN 62471:2008)	Exempt Group	

	IR24	W
Lighting Supply Voltage (constant voltage mode)	24V ± 2%	
Supply Ripple Voltage	≤ Vs ± 5%	
Reverse Battery Protection	YES	
Typical Lighting Forward voltage, Vf (for zero internal resistor value)	19.0 V	21.0 V
Continuous Current	0.68A (MAX)	2.16A (MAX)
Power Consumption	16.32 W	51.84 W
Lighting casing temperature, Operating after 60 minutes	40°C	55°C

	IR24	W
Max. Lighting Supply Voltage (Constant voltage power supply)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC	
Pulse Current, (Max. 10msec) (Constant current power supply)	1.70A (MAX)	5.40A (MAX)
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FLDL-i600x50-IR24-5/W5	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-i600x50-IR24-5/W5-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		IR24/W		
Connector Type (Default):	JST SMR-03V			
	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	2	N.C.	---	
	3	LED -	Black	
Cable Length out from lighting:	600 mm			

Additional Information		IR24/W		
Additional Cooling Method	Attached to machine part for better heat dissipation			
Life span in continuous mode	20,000 hours			
Life span in strobe light mode	50,000 hours			
Lighting drop to 50% intensity (at 25°C ambient temperature)	50,000 hours			
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series			
CE Conformity	YES			
RoHS Compliance	YES			
ISO 9001:2008	SG11/03751			

Application	
Optimal Working Distance	10-100 mm



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