

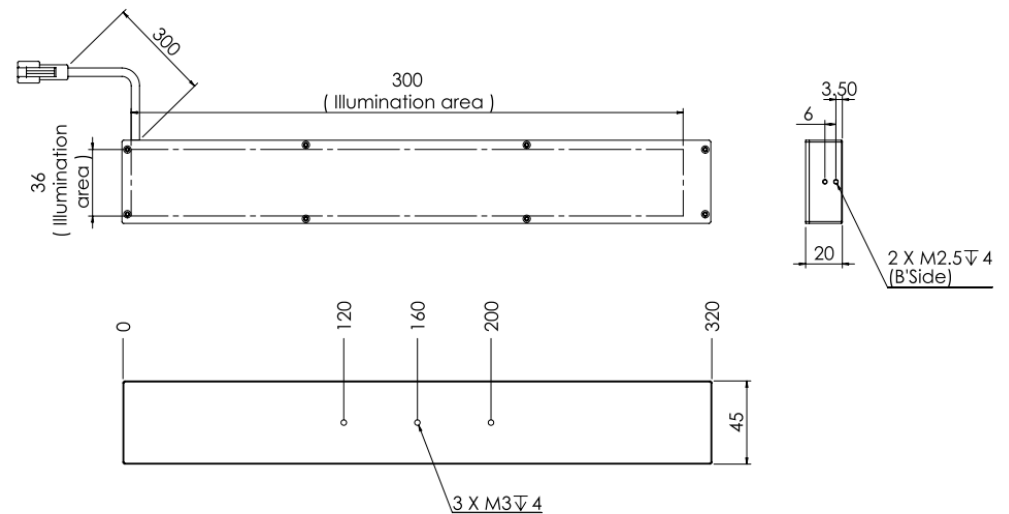
# Bar Light

## FLDL-i300x36-5

### Lighting Picture



### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	405g
Lighting Dimension, WxLxH	45.0 x 320.0 x 20.0 mm
IP Rating	N/A

Unit in mm



FLDL-i300x36-5

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Optical Information		
Led Color	RED (R24)	WHITE (W)
Wavelength	626nm	xy=(0.31,0.32)
Illumination (number of LED)	210	210
Illumination Area	300 x 36 mm	
Led Package	T1 5mm	
Eye Safety (EN 62471:2008)	Exempt Group	

	R24	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)	22.0 V	18.0 V
Continuous Current	0.63A (MAX)	1.05A (MAX)
Power Consumption	15.12 W	25.20 W
Lighting casing temperature, Operating after 60 minutes	42°C	42°C

	R24	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)	1.58A (MAX)	2.63A (MAX)
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FLDL-i300x36-R24-5/W-5	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-i300x36-R24-5/W-5-0	Internal resistor value= zero ohms (only use in constant current power supply)



<b>Connection</b>		R24/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:	300 mm			

<b>Additional Information</b>		R24/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 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	

<b>Application</b>	
Optimal Working Distance	0-100 mm



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