

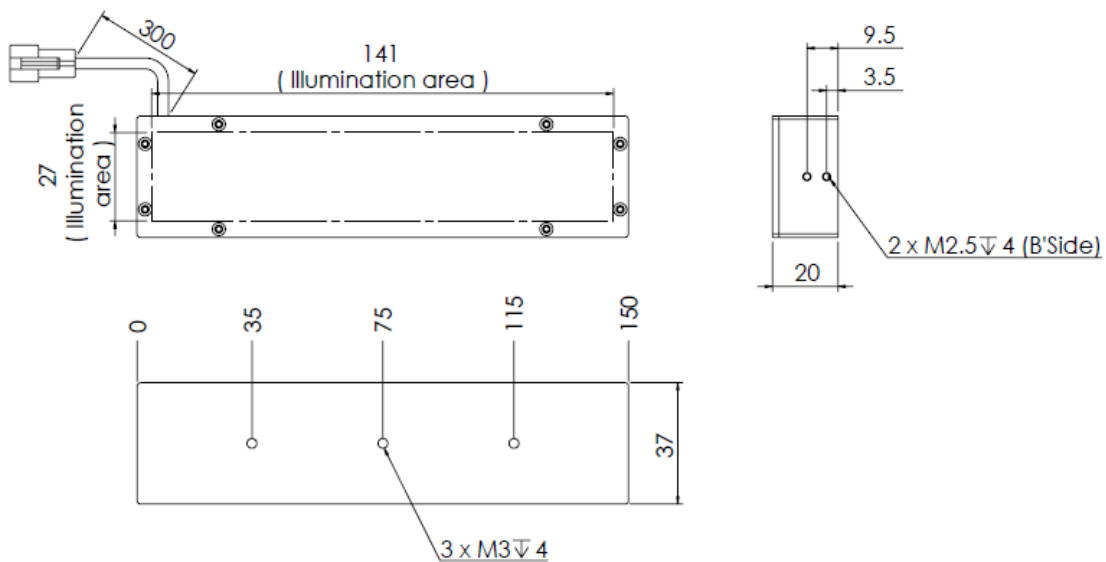
High Brightness Bar Light

 **FHDL-Si150x27**

Lighting Picture




Lighting Dimension



All unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	175g
Lighting Dimension, WxLxH	37.0 x 150.0 x 20.0 mm
IP Rating	N/A



Optical Information			
Led Color	RED (R24)		
Wavelength	630nm		
Illumination (number of LED)	80		
Illumination Area	141 x 27 mm		
Led Package	SMD		
Eye Safety (EN 62471:2008)	RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation. May be harmful to eyes.		
Electrical Information			
	R24		
Lighting Supply Voltage (constant voltage mode)	18V (to 24V) \pm 2%		
Lighting Forward voltage, Vf (for zero internal resistor value)	22.0V		
Reverse Battery Protection	YES		
Supply Ripple Voltage	\leq Vs \pm 5%		
Continuous Current	0.6 A (MAX)		
Power Consumption	10.80 Watts		
Lighting casing temperature, Operating after 60 minutes	60°C		
Strobe Mode Specification			
	R24		
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)	2.8A – 5.6A (MAX)		
Max. Trigger Pulse Duration, msec	10 msec		
Duty Cycle	0 to 10%		
Additional Information			
Additional Cooling Method	Attached to machine part for better heat dissipation		
Life span in continuous mode	20,000 hours (drop to 50% intensity) at 25°C		
Life span in strobe light mode	Est. >50,000 hours (drop to 50% intensity) at 25°C		
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series		
CE Conformity	YES		
RoHS Compliance	YES		
ISO 9001:2008	SG11/03751		
Ordering Option			
FHDL-i150x27-R24	With resistor to limit the current (Use in both constant voltage/ current power supply)		
FHDL-i150x27-R24 -0	Internal resistor value= zero ohms (only use in constant current power supply)		
Connection			
	R24/G/B/W		
Connector Type:	JST SMR-03V		
Cable Length out from lighting:	300 mm		
Pin Configuration:	Pin	Signal	Cable Color
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
			
Application			
Optimal Working Distance	5-100mm		



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