

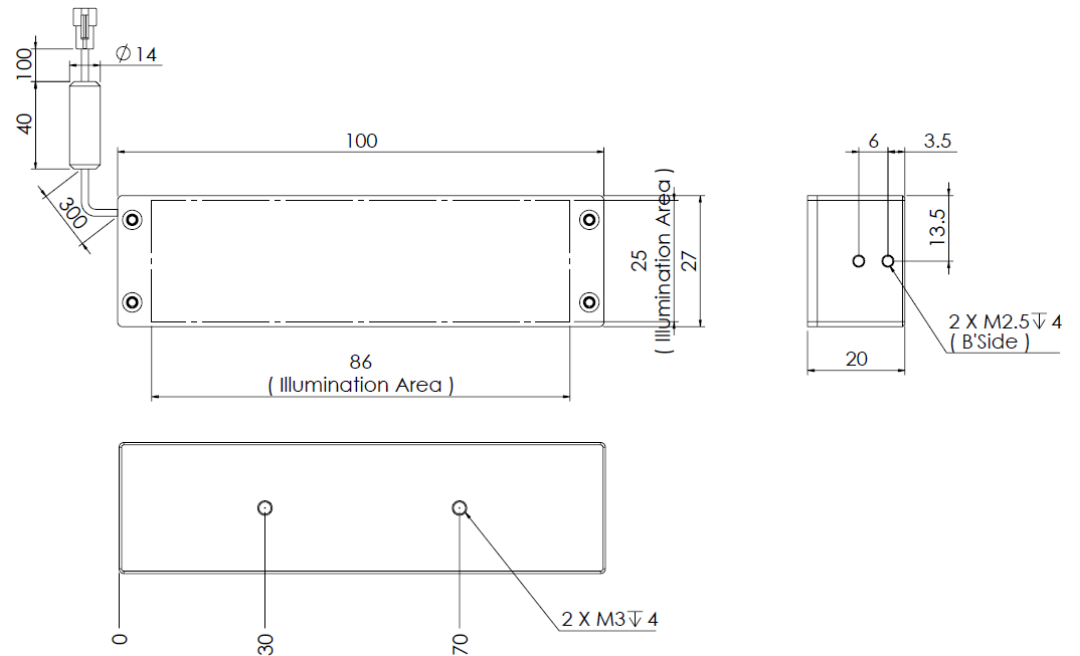
# High Brightness Bar Light

## **FHDL-Si86X25 (STROBE MODE ONLY)**

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	89g
Lighting Dimension WxLxH	27.0 x 100.0 x 20.0 mm
IP Rating	N/A

Unit in mm



FHDL-Si86X25

Asia Office: [www.falcon-illumination.com](http://www.falcon-illumination.com), Europe Office: [www.falcon-illumination.de](http://www.falcon-illumination.de)  
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Optical Information	
Led Color	RED (R24)
Wavelength	626nm
Illumination (number of LED)	33
Illumination Area	86 x 25 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)	24V ± 2%
Supply Ripple Voltage	≤ Vs ± 5%
Reverse Battery Protection	YES
Lighting Forward voltage, (for zero internal resistor value)	22.0 V
Continuous Current	N/A
Power Consumption	N/A
Lighting casing temperature, Operating after 60 minutes	N/A

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)	1.05A (MAX) (STROBE) / 25.20W
Max. Trigger Pulse Duration, msec	10 msec
Duty Cycle	0 - 10%

Ordering Option	
FHDL-Si86X25-R24	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHDL-Si86X25-R24-0	Internal resistor value= zero ohms (only use in constant current power supply)



<b>Connection</b>		R24		
Connector Type (Default):	JST SMR-03V			
Pin Configuration:	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	2	N.C.	---	
	3	LED -	Black	
Cable Length out from lighting:	540mm			

<b>Additional Information</b>		R24		
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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