

Line Light

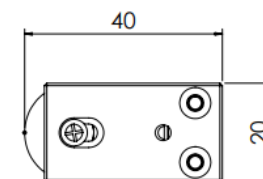
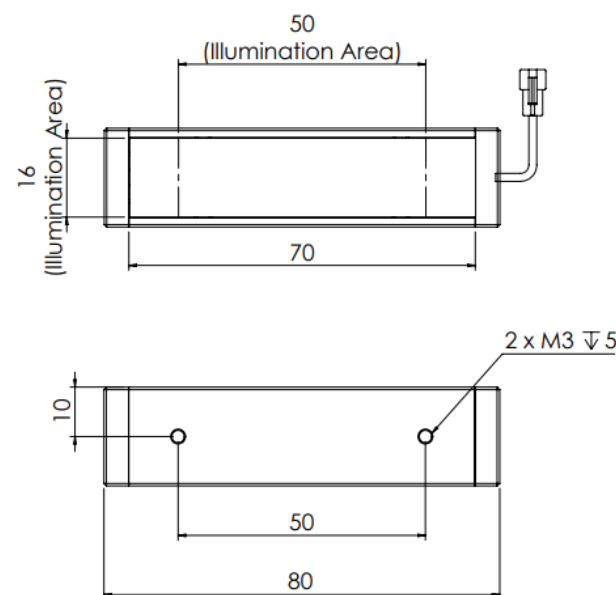


FLLN-Si50

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Acrylic
Weight	120g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension W x L x H	20.0 x 80.0 x 40.0 mm
IP Rating	N/A



FLLN-Si50

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
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Led Colour	RED (R24)	WHITE (W)
Optical Information		
Wavelength / Color temperature	626nm	xy=(0.31,0.32)
Illumination (Number of LED)	8	8
Illumination Area	50 x 16mm	
Led Package	SMD	
Eye Safety (EN 62471:2008)	Exempt Group	
Optimal Working Distance	10-100 mm	

Continuous Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	R24	W	R24	W
Supply Voltage To Controller	24VDC \pm 2%	24VDC \pm 2%	23VDC \pm 2%	23VDC \pm 2%
Lighting Forward Voltage, Vf	22.0 V	22.0 V	22.0 V	22.0 V
Max. Current	0.1A (MAX)	0.1A (MAX)	0.1A (MAX)	0.1A (MAX)
Max. Power	2.40 W	2.40 W	2.30 W	2.30 W

Strobe Mode	Voltage Drive		Current Drive	
	R24	W	R24	W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 23VDC	Pulsing at 23VDC
Max. Current	0.1A – 0.25A(MAX)	0.1A – 0.25A(MAX)	0.1A – 0.25A(MAX)	0.1A – 0.25A(MAX)
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			

Ordering Part Number	Controller Type	Description
FLLN-Si50-R24/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLLN-Si50-R24/W-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



FLLN-Si50

Connection	(Voltage & Current drive)		
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		



Additional Information	Details
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)	
Supply Ripple Voltage	$\leq V_s \pm 5\%$
Reverse Battery Protection	YES
Cooling Method	Natural air-cooling
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series
CE Conformity	YES
ISO 9001:2015	MY05916



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