

Line Light

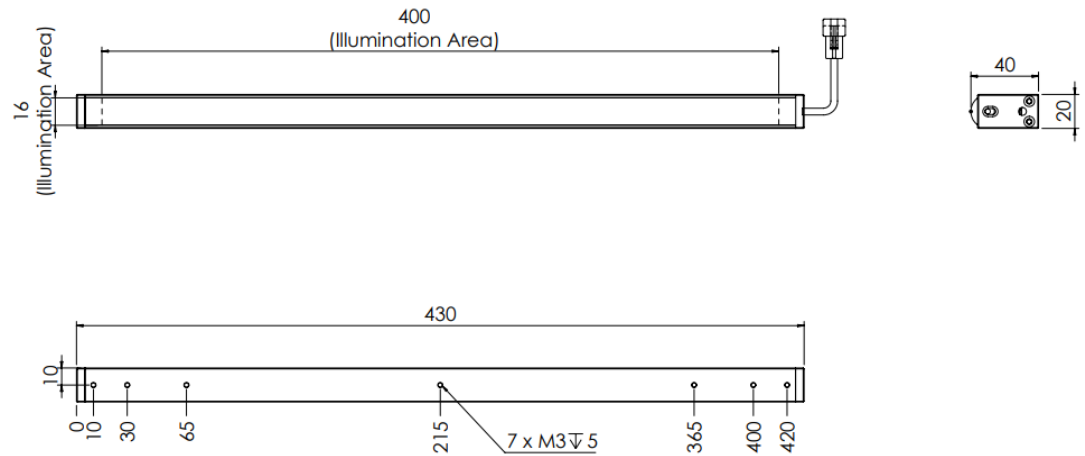


FLLN-Si400

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information

Casing Material	Aluminium + Acrylic
Weight	532g
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 430.0 x 40.0 mm
IP Rating	N/A



FLLN-Si400

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
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Led Colour	WHITE (W)	BLUE (B)
Optical Information		
Wavelength / Color temperature	xy=(0.31,0.32)	470nm
Illumination (Number of LED)	56	56
Illumination Area	400 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)	
	W	B	W	B
Supply Voltage To Controller	24VDC \pm 2%	24VDC \pm 2%	23VDC \pm 2%	23VDC \pm 2%
Lighting Forward Voltage, Vf	22.0 V	22.0V	22.0 V	22.0 V
Max. Current	0.8A (MAX)	0.70A (MAX)	0.8A (MAX)	0.70A (MAX)
Max. Power	19.20 W	16.80 W	18.40 W	16.10 W

Strobe Mode	Voltage Drive		Current Drive	
	W	B	W	B
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 23VDC	
Max. Current	0.8A – 2.0A(MAX)	0.70A – 1.75A (MAX)	0.8A – 2.0A(MAX)	0.70A – 1.75A (MAX)
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			

Ordering Part Number	Controller Type	Description
FLLN-Si400-W/B	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLLN-Si400-W/B-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection	W/B		
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	Details
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
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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