

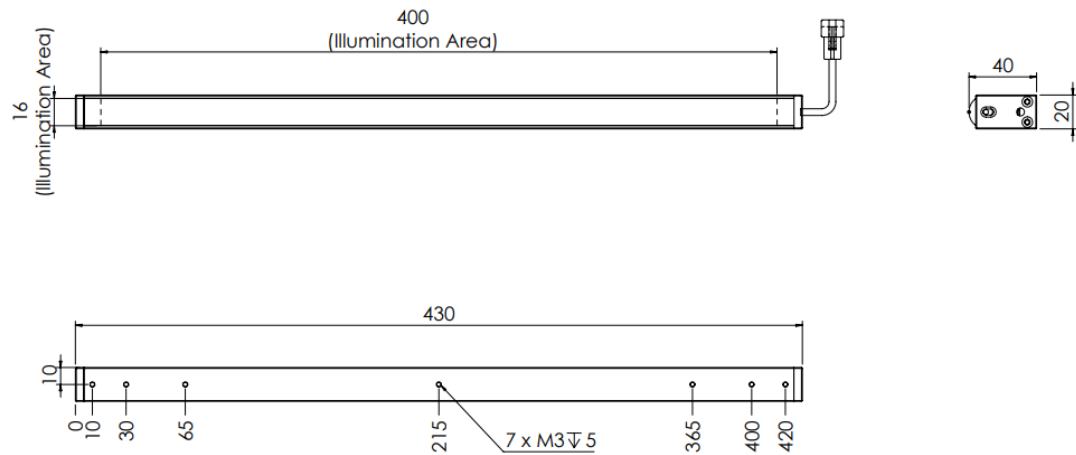
# Line Light

## 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](http://www.falconmv.com), Europe Office: [www.falcon-illumination.de](http://www.falcon-illumination.de)  
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Led Colour	WHITE (W)
<b>Optical Information</b>	
Wavelength / Color temperature	xy=(0.31,0.32)
Illumination (Number of LED)	64
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	W
Supply Voltage To Controller	24VDC ± 2%	23VDC ± 2%
Lighting Forward Voltage, Vf	22.0 V	22.0 V
Max. Current	0.8A (MAX)	0.8A (MAX)
Max. Power	19.20 W	18.40 W

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

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



Connection													
Connector Type (Default):	JST SMR-03V												
	<table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</th> <th>Cable Color</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>LED +</td> <td>Black/White</td> </tr> <tr> <td>2</td> <td>N.C.</td> <td>---</td> </tr> <tr> <td>3</td> <td>LED -</td> <td>Black</td> </tr> </tbody> </table>	Pin	Signal	Cable Color	1	LED +	Black/White	2	N.C.	---	3	LED -	Black
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	MY11/00845



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