

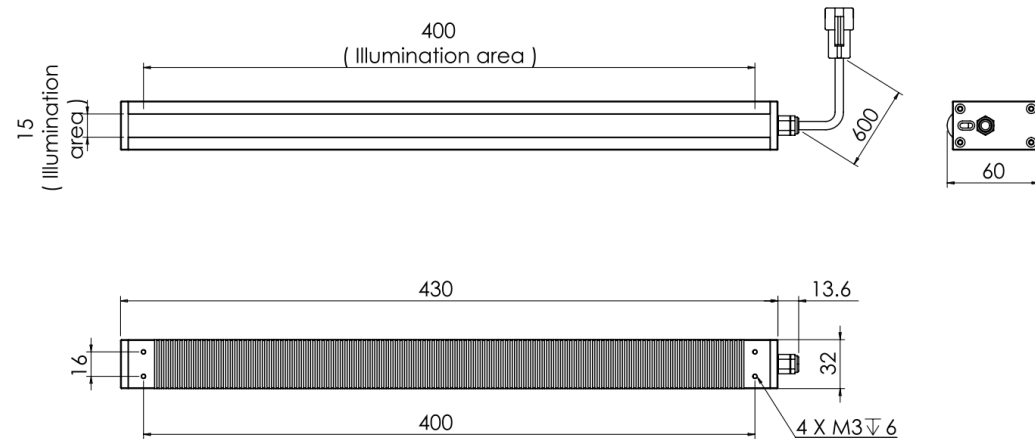
# High Brightness Line Light

## FHLN-Si400

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminum + Acrylic
Weight	1260g
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	32.0 x 430.0 x 60.0 mm
IP Rating	N/A



FHLN-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	INFRARED (IR24)	WHITE (W)
<b>Optical Information</b>		
Wavelength / Color temperature	850nm / 940nm	xy=(0.31,0.32)
Illumination (Number of LED)	56	56
Illumination Area	400 x 15 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 the eyes.	
Optimal Working Distance	20-100 mm	


Continuous Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	IR24	W	IR24	W
Supply Voltage To Controller	24VDC $\pm$ 2%		21VDC $\pm$ 2%	22VDC $\pm$ 2%
Lighting Forward Voltage, Vf	20.3 V	21.0 V	20.3 V	21.0 V
Max. Current	2.80A (MAX)	2.80A (MAX)	2.80A (MAX)	2.80A (MAX)
Max. Power	67.20 W	67.20 W	58.80 W	61.60 W

Strobe Mode	Voltage Drive		Current Drive	
	IR24	W	IR24	W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 21VDC	Pulsing at 22VDC
Max. Current	7.00A (MAX)	7.00A (MAX)	7.00A (MAX)	7.00A (MAX)
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			

Ordering Part Number	Controller Type	Description
FHLN-Si400-IR24/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FHLN-Si400-IR24/W -0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection			
Connector Type (Default):	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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