

## High Brightness Line Light

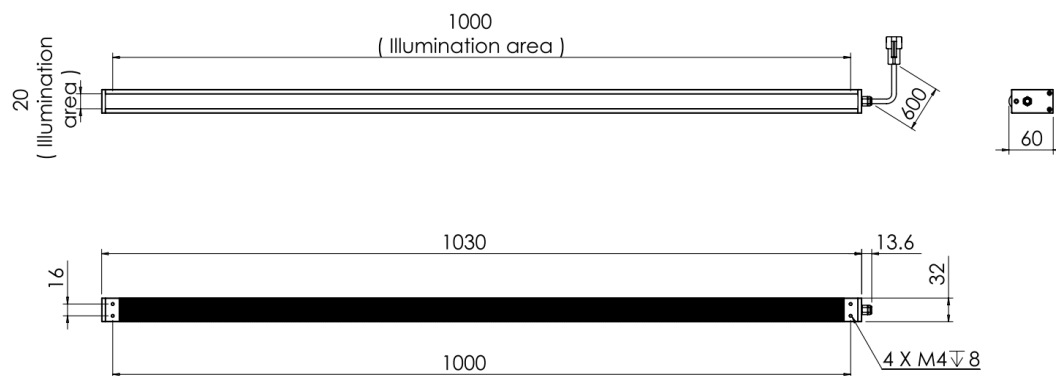


### FHLN-Si1000

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminum + Acrylic
Weight	2376g
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 1030.0 x 60.0 mm
IP Rating	N/A



FHLN-Si1000

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)	140
Illumination Area	1000 x 20 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.
Optimal Working Distance	20-100 mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	W	W
Supply Voltage To Controller	24VDC $\pm$ 2%	22VDC $\pm$ 2%
Lighting Forward Voltage, Vf	21.0 V	21.0 V
Max. Current	7.00A (MAX)	7.00A (MAX)
Max. Power	168 W	154 W

Strobe Mode	Voltage Drive	Current Drive
	W	W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 22VDC
Max. Current	10.0A (MAX)	10.0A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FHLN-Si1000-W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FHLN-Si1000-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	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	MY11/00845



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