

Line Light

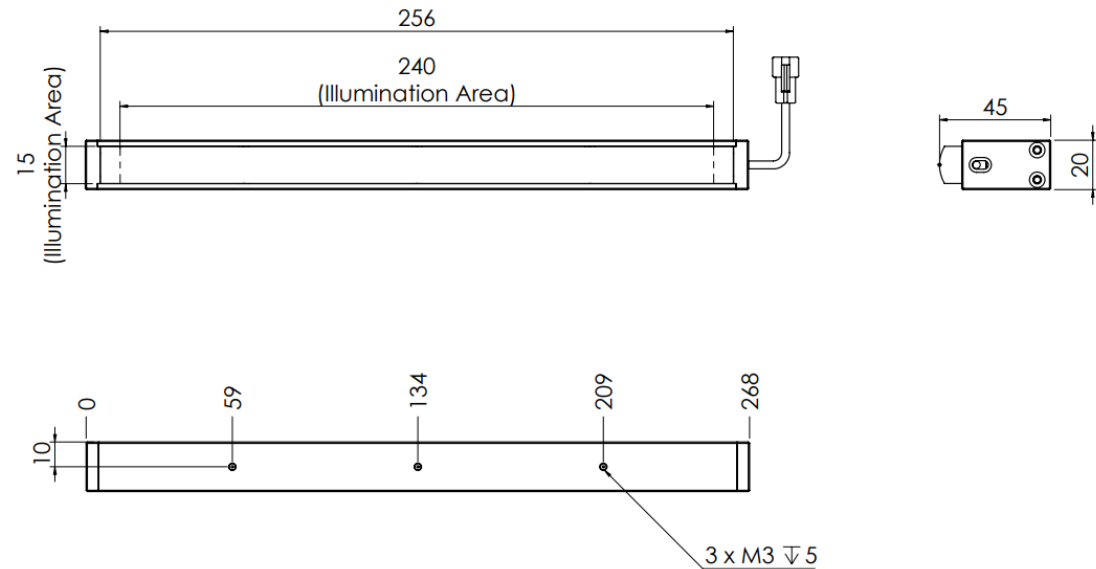


FLLN-Si240

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Acrylic
Weight	364g
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 268.0 x 45.0 mm
IP Rating	N/A



FLLN-Si240

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 Form No: DSG-FR004 / Rev 0.0 / Date: 2023-01-20 / SA
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Led Colour	RED(R24)
Optical Information	
Wavelength / Color temperature	626nm
Illumination (Number of LED)	42
Illumination Area	240 x 15mm
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	R24
Supply Voltage To Controller	24VDC \pm 2%	15VDC \pm 2%
Lighting Forward Voltage, Vf	14.0 V	14.0 V
Max. Current	0.4A (MAX)	0.4A (MAX)
Max. Power	9.60 W	6.0 W

Strobe Mode	Voltage Drive	Current Drive
	R24	R24
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 15VDC
Max. Current	0.40A - 1.0A(MAX)	0.40A - 1.0A(MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLLN-Si240-R24	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLLN-Si240-R24-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection				
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:	500 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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