

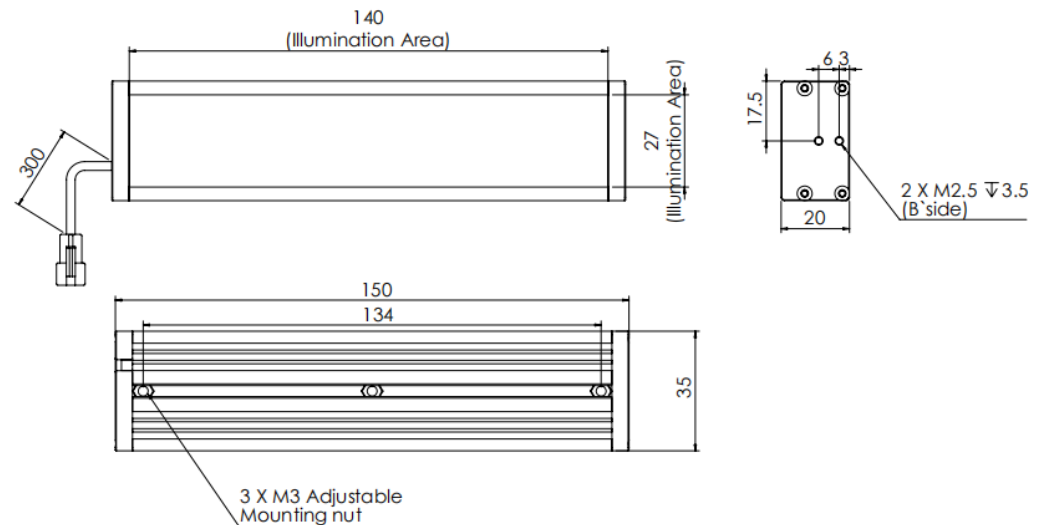
Bar Light

F2DL-Si140x27

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser (Optional)
Weight	170g
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	35.0 x 150.0 x 20.0mm
IP Rating	IP40




Led Colour	GREEN (G)	BLUE (B)	WHITE (W)
Optical Information			
Wavelength / Color temperature	525nm	470nm	xy=(0.31,0.32)
Illumination (Number of LED)		140	
Illumination Area		140 x 27mm	
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)
	G/B/W	G/B/W
Supply Voltage To Controller	24VDC ± 2%	22VDC ± 2%
Lighting Forward Voltage, Vf	21.0 V	21.0 V
Max. Current	0.40A (MAX)	0.40A (MAX)
Max. Power	9.60W	8.80W

Strobe Mode	Voltage Drive	Current Drive
	G/B/W	G/B/W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 22VDC
Max. Current	1.00A (MAX)	1.00A (MAX)
Max. Trigger Pulse Duration		10 msec
Duty Cycle		< 10%

Ordering Part Number	Controller Type	Description
F2DL-Si140x27-G/B/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
F2DL-Si140x27-G/B/W-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection	(Voltage & Current drive)			
Connector Type (Default):	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	2	N.C.	---	
	3	LED -	Black	
Cable Length out from lighting:	300 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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