

Bar Light

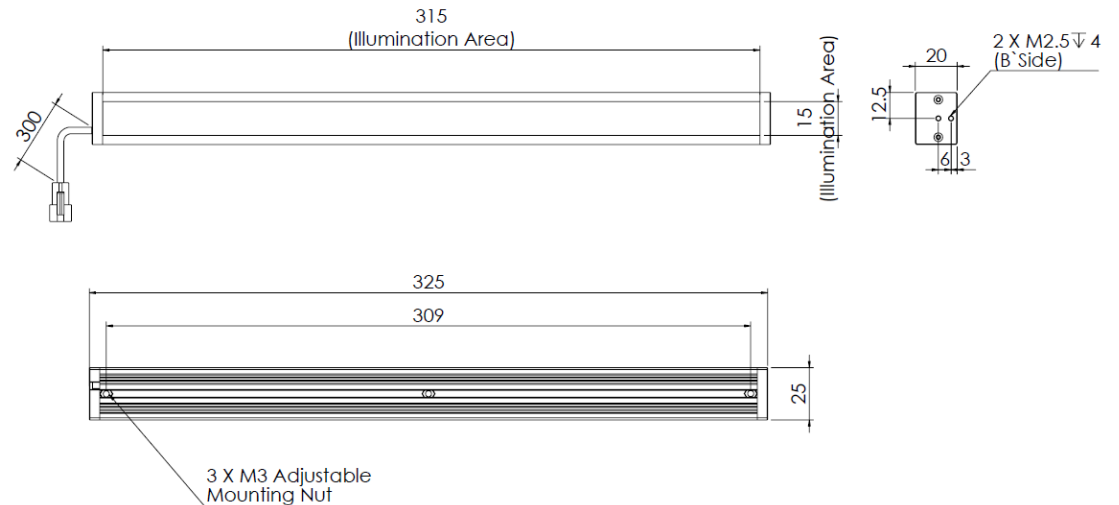


F2DL-Si315x15

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser (Optional)
Weight	380g
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	25.0 x 325.0 x 20.0 mm
IP Rating	IP40



Led Colour	RED(R24)	GREEN(G)	BLUE(B)	WHITE(W)
Optical Information				
Wavelength / Color temperature	626nm	525nm	470nm	xy=(0.31,0.32)
Illumination (Number of LED)	190	189	189	189
Illumination Area	315 x 15 mm			
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	G/B/W	R24	G/B/W
Supply Voltage To Controller	24VDC ± 2%		23VDC ± 2%	22VDC ± 2%
Lighting Forward Voltage, Vf	Vf=22.0 V	Vf=21.0 V	Vf=22.0 V	Vf=21.0 V
Max. Current	0.38A (MAX)	0.54A (MAX)	0.38A (MAX)	0.54A (MAX)
Max. Power	9.12W	12.96W	8.74W	11.88W

Strobe Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	R24	G/B/W	R24	G/B/W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, (Recommended at 36VDC)		Pulsing at 23VDC	Pulsing at 22VDC
Max. Current	0.38A - 0.95A (MAX)	0.54A - 1.35A (MAX)	0.38A - 0.95A (MAX)	0.54A - 1.35A (MAX)
Max. Power	9.12W - 45.60W	12.96W - 64.80W	8.74W - 21.85W	11.88W - 29.70W
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			

Ordering Part Number	Controller Type	Description
F2DL-Si315x15-R24/G/B/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
F2DL-Si315x15-R24/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		50,000 hours		
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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