

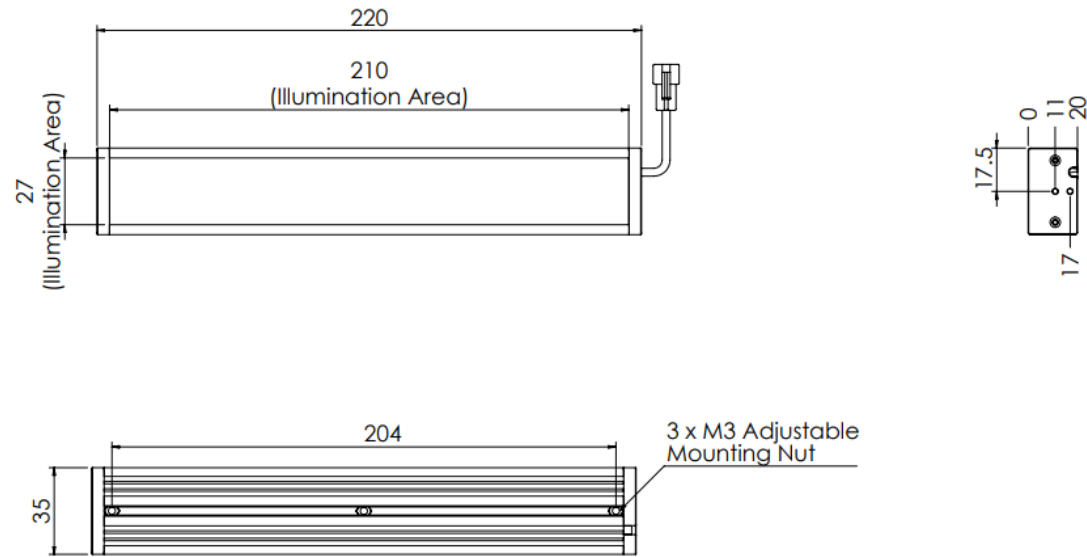
# Bar Light

## F2DL-Si210x27

### Lighting Picture



### Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser (Optional)
Weight	274g
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 220.0 x 20.0 mm
IP Rating	N/A



Led Colour	WHITE(W)
<b>Optical Information</b>	
Wavelength / Color temperature	xy=(0.31,0.32)
Illumination (Number of LED)	210
Illumination Area	210 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)
	W	W
Supply Voltage To Controller	24VDC ± 2%	22VDC ± 2%
Lighting Forward Voltage, Vf	21.0 V	21.0 V
Max. Current	0.60A (MAX)	0.60A (MAX)
Max. Power	14.40 W	13.20 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	0.6A – 1.50A (MAX)	0.60A – 1.50A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLDL-TP-Si210x27-W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDL-TP-Si210x27-W-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)
Optional Order: M8 3 Pole (Male)		



Connection		W		
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:	600 mm			

Connection		W		
Connector Type (Optional):	M8 3 Pole (Male)			
Pin Configuration:	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	4	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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