

## Coaxial Light

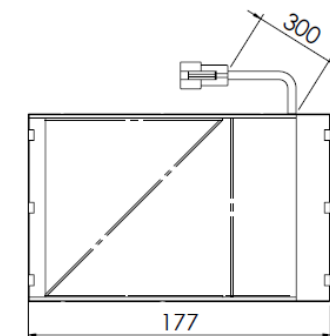
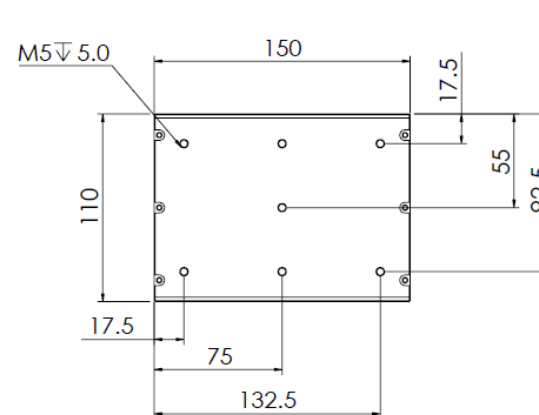
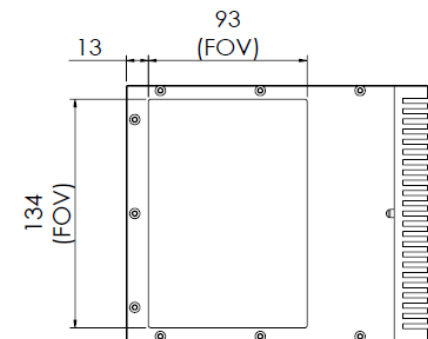


### FLFV-Si140x100

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium
Weight	2052g
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	150.0 x 177.0 x 110.0 mm
IP Rating	IP40



Led Colour	RED (R24)	WHITE (W)
<b>Optical Information</b>		
Wavelength / Color temperature	626nm	Xy=(0.31,0.32)
Illumination (Number of LED)	264	266
Illumination Area	134 x 93mm	
Led Package	SMD	
Eye Safety (EN 62471:2008)	Exempt Group	
Optimal Working Distance	0-30 mm	

Continuous Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	R24	W	R24	W
Supply Voltage To Controller	24VDC $\pm$ 2%		23VDC $\pm$ 2%	
Lighting Forward Voltage, Vf	Vf=22	Vf=19	Vf=22	Vf=19
Max. Current	0.96A (MAX)	1.14A (MAX)	0.96A (MAX)	1.14A (MAX)
Max. Power	23.04W	27.36W	22.08W	26.22W

Strobe Mode	Voltage Drive		Current Drive	
	R24	W	R24	W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 23VDC	
Max. Current	0.96A- 2.40A (MAX)	1.14A – 2.85A (MAX)	0.96A- 2.40A (MAX)	1.14A – 2.85A (MAX)
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	< 10%			

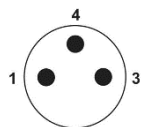
Ordering Part Number	Controller Type	Description
FLFV-Si140x100- R24/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLFV-Si140x100- R24/W-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)
Optional order: M8 3 poles		



Connection	R24/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:	300 mm		



Connection	R24		
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:	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	MY05916



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