

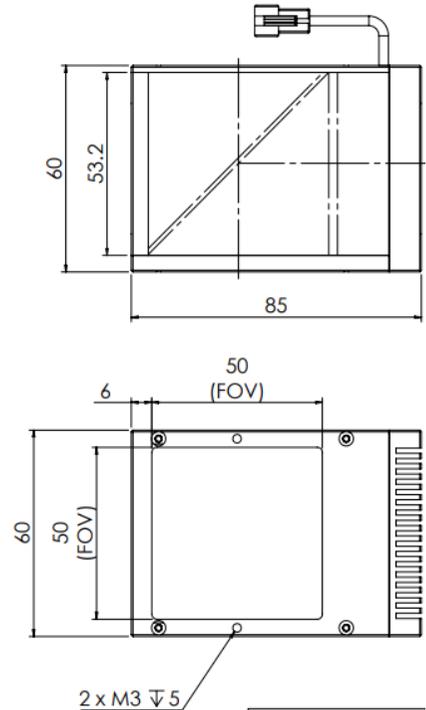
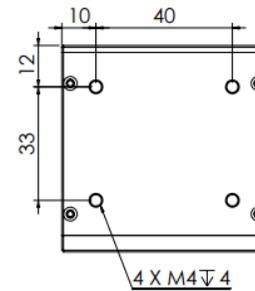
Coaxial Light

 **FHFV-Si50N (STROBE MODE ONLY)**

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Diffuser
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	60 x 85 x 60mm
IP Rating	-



Optical Information		
Led Color	WHITE(W)	BLUE(B)
Wavelength	xy=(0.31,0.32)	470nm
Illumination (number of LED)	32	35
Illumination Area	50 x 50mm	
Led Package	High Power SMD	
Eye Safety (EN 62471:2008)	RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation. May be harmful to eyes.	
Optimal Working Distance	1-30 mm	

Strobe Mode (Voltage Drive)	W	B
Supply Voltage To Controller	24VDC to 48VDC (Recommended at 36VDC)	21VDC to 48VDC (Recommended at 36VDC)
Lighting Forward Voltage, Vf	Vf=21V	Vf=19.20V
Max. Current	1.40A (MAX)	1.75A (MAX)
Max. Power	33.60W	36.75W
Max. Trigger Pulse Duration	50 msec	
Duty Cycle	0 - 10%	

Strobe Mode (Current Drive)	W	B
Max. Lighting Supply Voltage	Vf=21V	Vf=19.20V
Max. Current	1.40A - 3.50A (MAX)	1.75A - 4.38A (MAX)
Max. Power	33.60 – 84.00W	36.75 – 92.00W
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	0 - 10%	

Ordering Part Number	
FHFV-Si50N-B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHFV-Si50N-B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		B/W	
Connector Type (Default):	JST SMR-03V (Male)		
	Pin	Signal	Cable Color
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
Cable Length	300mm		

Additional Information	Details
Additional Cooling Method	Attached to machine part for better heat dissipation
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
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series
CE Conformity	YES
RoHS Compliance	YES
ISO 9001:2015	MY05916



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