

## High Brightness Coaxial Light

### **FHFV-Si35N (STROBE MODE ONLY)**

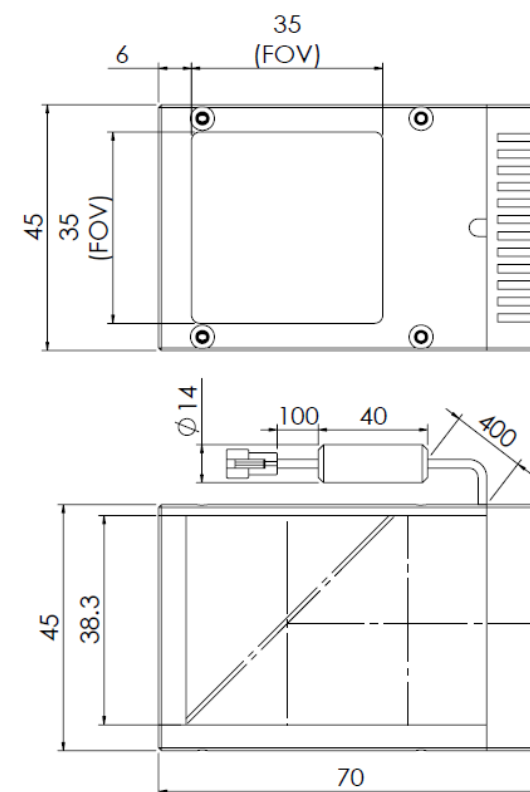
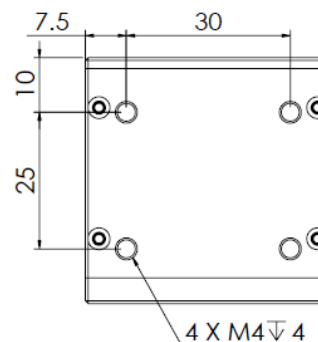
Lighting Picture

Lighting Dimension



#### Mechanical Information

Casing Material	Standard steel + Aluminium
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	45.0 x 70.0 x 45.0 mm
IP Rating	N/A



Unit in mm



FHFV-Si35N

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Optical Information				
Led Color	RED (R24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	626nm	525nm	475nm	xy=(0.31,0.32)
Illumination (number of LED)	30	28		
Illumination Area	35 x 35 mm			
Led Package	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	1-30mm			

Strobe Mode (with internal resistor)	R24	G/B/W
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	
Max. Current	1.05A (MAX)	1.40A (MAX)
Max. Power	25.20W	33.60W
Max. Trigger Pulse Duration	50 msec	
Duty Cycle	0 - 10%	

Strobe Mode (without internal resistor)	R24	G/B/W
Typical Lighting Forward Voltage	Vf=22.0V	Vf=21.0V
Max. Current	2.63A (MAX)	3.50A (MAX)
Max. Power	57.75W	73.50W
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	0 - 10%	

Ordering Part Number	
FHFV-Si35N-R24/G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHFV-Si35N-R24/G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection	(Voltage & Current drive)		
Connector Type (Default):	JST SMR-03V (Male)		
	Pin	Signal	Cable Color
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
Cable Length	540 mm		

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	50,000 hours
Lighting drop to 50% intensity (at 25°C ambient temperature)	
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series
CE Conformity	YES
RoHS Compliance	YES
ISO 9001:2015	MY11/00845



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