

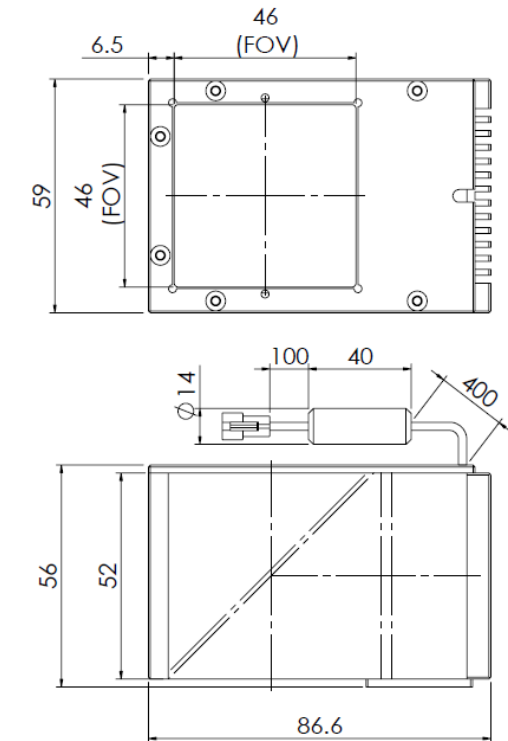
High Brightness Coaxial Light

FHFV-Si50 (STROBE MODE ONLY)

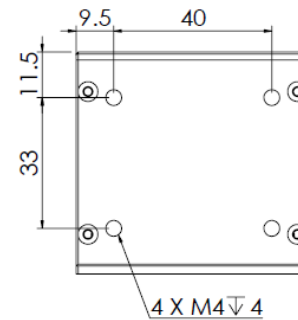
Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	260 g
Lighting Dimension, WxLxH	59.0 x 86.6 x 56.0 mm
IP Rating	N/A



Unit in mm


Optical Information				
Led Color	RED (R24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	626nm	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	50	49	49	49
Illumination Area	46 x 46 mm			
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	0-30 mm			

Ordering Option	
FHFV-Si50-R24/G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHFV-Si50-R24/G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)

Strobe Mode (with internal resistor)	R24	G/B/W
Max. Lighting Supply Voltage	24VDC to 48VDC (Recommended at 36VDC)	
Max. Current	1.75A (MAX)	2.45A (MAX)
Max. Power	42.00W	58.80W
Max. Trigger Pulse Duration	50 msec	
Duty Cycle	0 - 10%	

Strobe Mode (without internal resistor)	R24	G/B/W
Typical Lighting Forward Voltage	Vf=20V	Vf=21V
Max. Current	4.38A (MAX)	6.13A (MAX)
Max. Power	87.50 W	128.63 W
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	0 - 10%	



Connection		R24/G/B/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:	540 mm			

Additional Information		R24/G/B/W		
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 9001:2008	SG11/03751			



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