

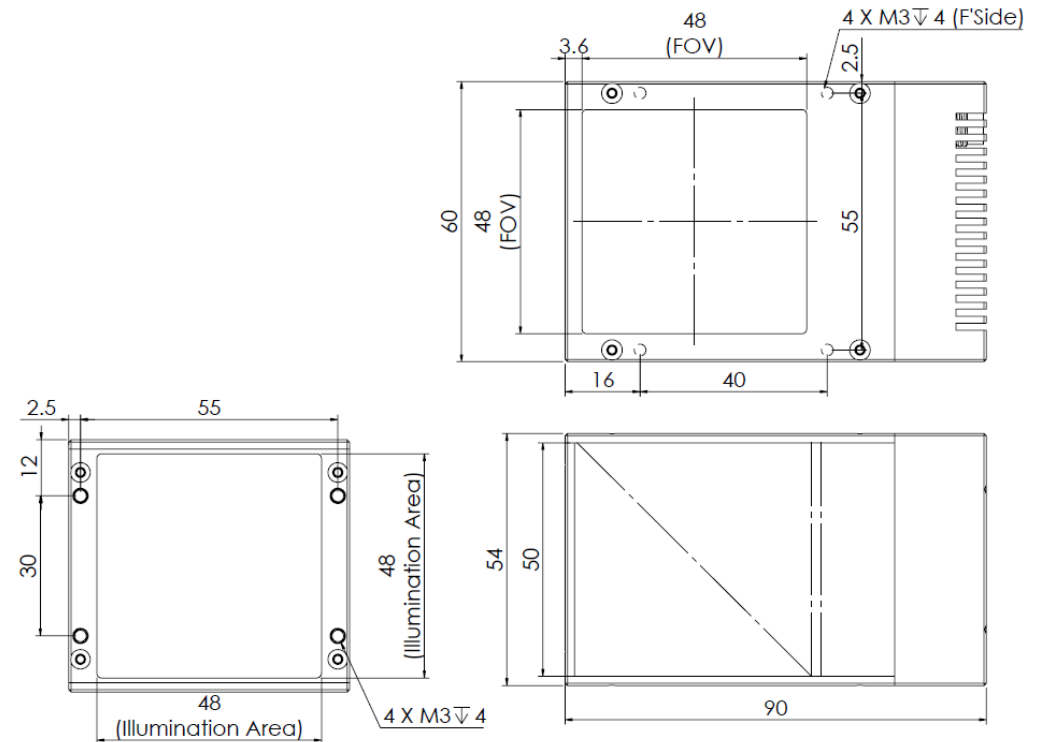
Coaxial Light-Multicolour

FLAX-Si50-90DGR-RGB

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminum + Diffuser + Optics
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	604g
Lighting Dimension, WxLxH	60.0 x 90.0 x 54.0 mm
IP Rating	N/A

Unit in mm




Optical Information			
Led Color	RED (R)	GREEN (G)	BLUE (B)
Wavelength	626nm	525nm	470nm
Illumination (number of LED)	40	42	42
Illumination Area	48 x 48 mm		
Led Package	SMD		
Eye Safety (EN 62471:2008)	Exempt Group		

Electrical Information	R	G	B
Lighting Supply Voltage (constant voltage mode)	24V ± 2%		
Supply Ripple Voltage	≤ Vs ± 5%		
Reverse Battery Protection	YES		
Typical Lighting Forward voltage, Vf (for zero internal resistor value)	20.0 V	21.0 V	21.0 V
Continuous Current	0.08A(MAX)	0.12A(MAX)	0.12A(MAX)
Power Consumption	1.92 W	2.88 W	2.88 W
Total Power (R+G+B)	7.68 W		
Lighting casing temperature, Operating after 60 minutes	42°C		

Strobe Mode Specification	R	G	B
Max. Lighting Supply Voltage (Constant voltage power supply)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC		
Pulse Current, (Max. 10msec) (Constant current power supply)	0.20A(MAX)	0.30A(MAX)	0.30A(MAX)
Max. Trigger Pulse Duration, msec	10 msec		
Duty Cycle	0 - 10%		

Ordering Option	
FLAX-Si50-90DGR-RGB	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLAX-Si50-90DGR-RGB-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		RGB	
Connector Type (Default):		Pico M8 (Male)	
	Pin No.	Pin Configuration	
	1	R+	
	2	G+	
	3	B+	
	4	RGB-	
Cable Length out from lighting:		N/A	

Additional Information		RGB	
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)		50,000 hours	
Intensity Controller Selection		PSA-Series, PSD-Series, LIC-Series	
CE Conformity		YES	
RoHS Compliance		YES	
ISO 9001:2008		SG11/03751	

Application	
Optimal Working Distance	0-30 mm



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