

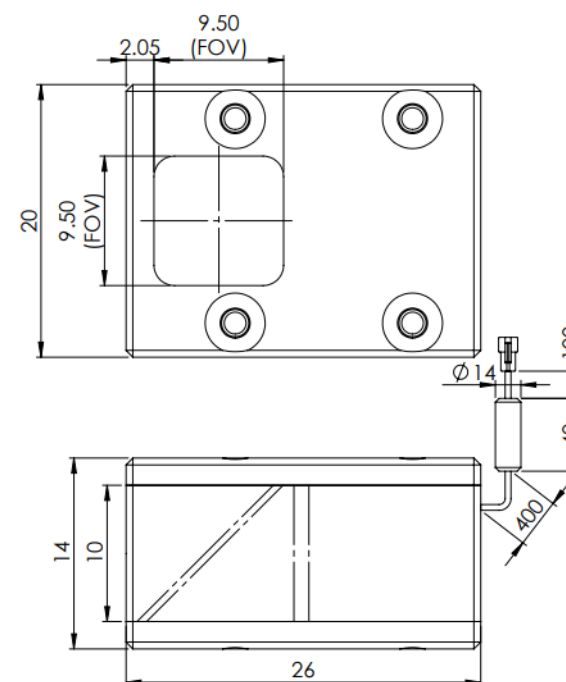
## Coaxial Light

### FLAX-Si10

#### Lighting Picture



#### Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	35 g
Lighting Dimension WxLxH	20.0 x 26.0 x 14.0 mm
IP Rating	N/A

Unit in mm



FLAX-Si20

Asia Office: [www.falconmv.com](http://www.falconmv.com), Europe Office: [www.falcon-illumination.de](http://www.falcon-illumination.de)  
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Optical Information	
Led Color	WHITE (W)
Wavelength	xy=(0.31,0.32)
Illumination (number of LED)	8
Illumination Area	9.50 x 9.50 mm
Led Package	SMD
Eye Safety (EN 62471:2008)	Exempt Group.

Electrical Information	
Lighting Supply Voltage (constant voltage mode)	24V $\pm$ 2%
Supply Ripple Voltage	$\leq V_s \pm 5\%$
Reverse Battery Protection	YES
Lighting Forward voltage, (for zero internal resistor value)	21.0 V
Continuous Current	0.1A (MAX)
Power Consumption	2.40 W
Lighting casing temperature, Operating after 60 minutes	32°C

Strobe Mode Specification	
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)	0.25A (MAX)
Max. Trigger Pulse Duration, msec	10 msec
Duty Cycle	0 - 10%

Ordering Option	
FLAX-Si10-W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLAX-Si10-W-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		WHITE (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:	300mm			

Additional Information		WHITE (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 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		MY05916		

Application	
Optimal Working Distance	1-30 mm



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