

Direct Angle Ring Light

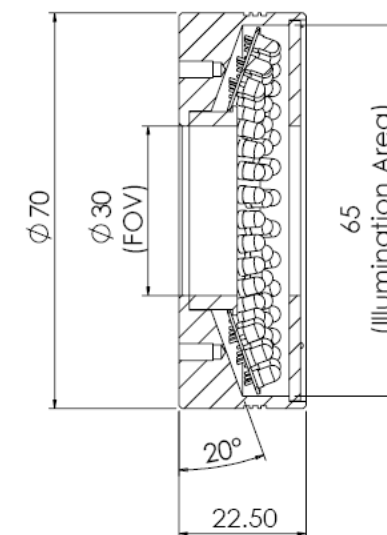
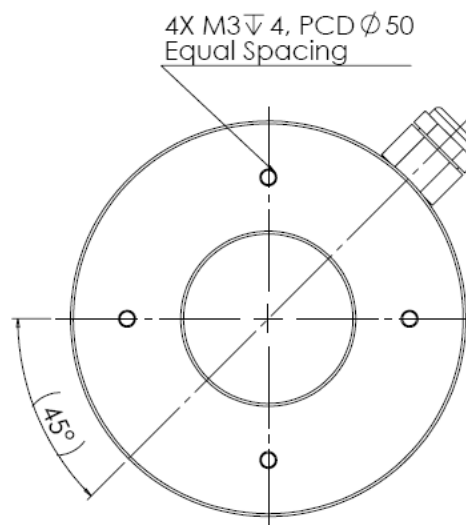


FLDR-i70B-4

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information

Casing Material	Aluminium
Weight	115 g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension ØxH	Ø70.0 x 22.5mm
IP Rating	N/A



FLDR-i70B-4

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
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Led Colour	SR24 (RED)
Optical Information	
Wavelength / Color temperature	626nm
Illumination (Number of LED)	88
Illumination Area	Ø65mm
Led Package	T1 3mm
Eye Safety (EN 62471:2008)	Exempt Group
Optimal Working Distance	5-100 mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	SR24	SR24
Supply Voltage To Controller	24VDC $\pm$ 2%	23VDC $\pm$ 2%
Lighting Forward Voltage, Vf	22.0 Vf	22.0 Vf
Max. Current	0.24A (MAX)	0.24A (MAX)
Max. Power	5.76 W	5.52 W

Strobe Mode	Voltage Drive	Current Drive
	SR24	SR24
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC	Pulsing at 23VDC
Max. Current	0.24 – 0.60A(MAX)	0.24 – 0.60A(MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FLDR-i70B-4- SR24	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDR-i70B-4- SR24-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection		(Voltage & Current drive)		
Connector Type (Default):	Pin	Signal	Cable Color	
	1	LED +	Black/White	
	2	N.C.	---	
	3	LED -	Black	
Cable Length out from lighting:	300 mm			
Additional Information		Details		
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)				
Supply Ripple Voltage	≤ Vs ± 5%			
Reverse Battery Protection	YES			
Cooling Method	Natural air-cooling			
Additional Cooling Method	Attached to machine part for better heat dissipation			
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series			
CE Conformity	YES			
ISO 9001:2015	MY21/1811030613			



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