

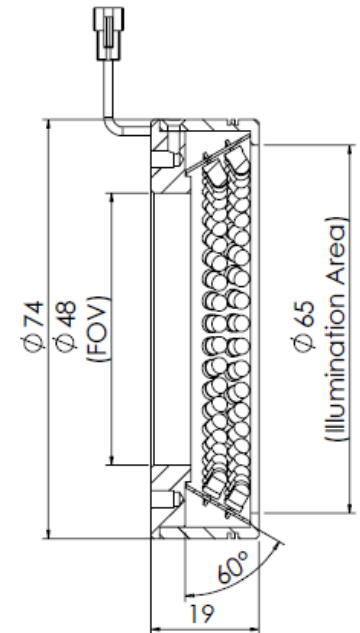
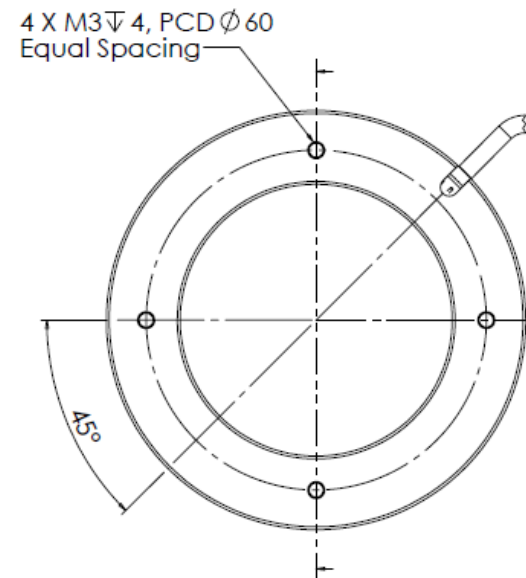
Low Angle Ring Light

FLDR-i74LA3

Lighting Picture



Lighting Dimension



***Cable can be flexible bend to top or to side of the housing**

Unit in mm

Mechanical Information	
Casing Material	Aluminium
Weight	85 g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension ØxH	Ø74.0 x 19.0mm
IP Rating	IP00



FLDR-i74LA3


Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
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Led Colour	RED(SR/SR24)	InfraRed (IR/IR24)	GREEN (G12)	BLUE (B12)	WHITE (W12)	GREEN(G)	BLUE (B)	WHITE (W)
Optical Information								
Wavelength / Color temperature	626nm	875nm	525nm	470nm	xy=(0.31,0.32)	525nm	470nm	xy=(0.31,0.32)
Illumination (Number of LED)	90/88	91/90	90	90	90	91	91	91
Illumination Area	Ø65mm							
Led Package	T1 3mm							
Eye Safety (EN 62471:2008)	Exempt Group							
Optimal Working Distance	0-30 mm							

Continuous Mode	Voltage Drive (With resistor)						Current Drive (Without resistor)					
	SR	IR	G12/B12/W12	SR24	IR24	G/B/W	SR	IR	G12/B12/W12	SR24	IR24	G/B/W
Supply Voltage To Controller	12V ± 2%			24V ± 2%			11V ± 2%	10.8V ± 2%	10V ± 2%	23V ± 2%	20.6V ± 2%	22V ± 2%
Lighting Forward Voltage, Vf	10.0 V	9.8V	9.0 V	22.0 V	19.6 V	21.0 V	10.0 V	9.8V	9.0 V	22.0 V	19.6 V	21.0 V
Max. Current	0.54A (MAX)	0.33A (MAX)	0.60A (MAX)	0.24A (MAX)	0.15A (MAX)	0.26A (MAX)	0.54A (MAX)	0.33A (MAX)	0.60A (MAX)	0.24A (MAX)	0.15A (MAX)	0.26A (MAX)
Max. Power	6.48 W	3.90 W	7.20 W	5.76 W	3.60 W	6.24 W	5.94 W	3.65 W	6.0 W	5.52 W	3.09 W	5.72 W

Strobe Mode	Voltage Drive						Current Drive					
	SR	IR	G12/B12/W12	SR24	IR24	G/B/W	SR	IR	G12/B12/W12	SR24	IR24	G/B/W
Max. Lighting Supply Voltage	Pulsing at 12VDC to 24VDC, Recommended at 15VDC			Pulsing at 24VDC to 48VDC, Recommended at 36VDC			Pulsing at 11VDC	Pulsing at 10.8 VDC	Pulsing at 10VDC	Pulsing at 23VDC	Pulsing at 20.6 VDC	Pulsing at 22VDC
Max. Current	1.35A (MAX)	0.83A (MAX)	1.50A (MAX)	0.60A (MAX)	0.38A (MAX)	0.65A (MAX)	1.35A (MAX)	0.83A (MAX)	1.50A (MAX)	0.60A (MAX)	0.38A (MAX)	0.65A (MAX)
Max. Trigger Pulse Duration	10 msec											
Duty Cycle	< 10%											

Ordering Part Number	Controller Type	Description
FLDR-i74LA3-SR/SR24/G12/B12/W12/IR/IR24/G/B/W	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FLDR-i74LA3- R/SR24/G12/B12/W12/IR/IR24/G/B/W-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)

Connection	R24			
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 Lighting drop to 50% intensity (at 25°C ambient temperature)	50,000 hours
Supply Ripple Voltage	$\leq V_s \pm 5\%$
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	MY11/00845



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