

UV Low Angle Ring Light

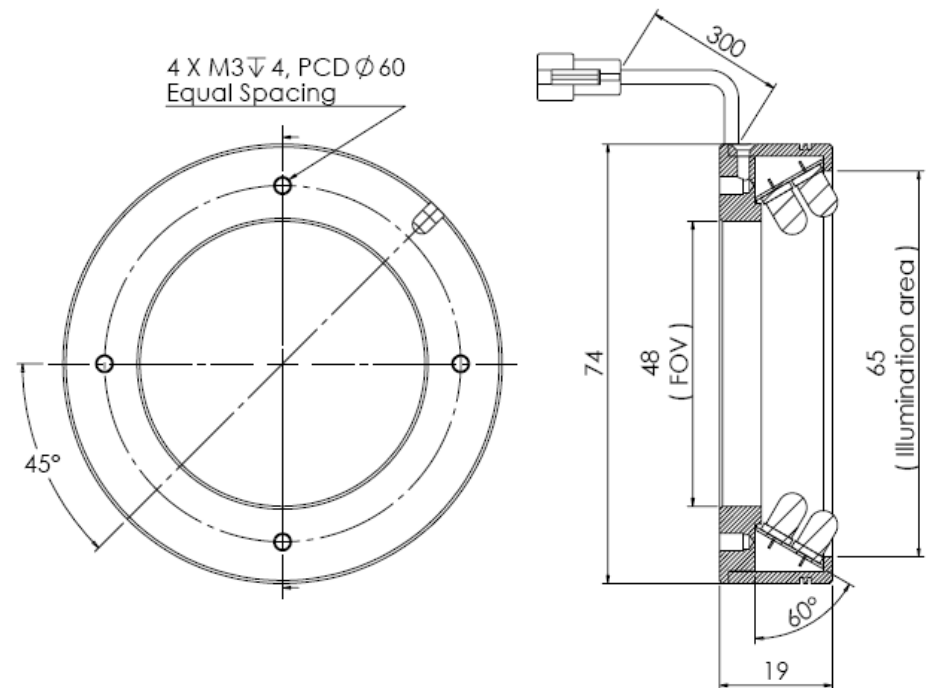


FLDR-i74LA3-UV

Lighting Picture



Lighting Dimension



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

Unit in mm

Mechanical Information

Casing Material	Aluminum
Weight	94g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension W x L x H	Ø74.0 x 19.0 mm
IP Rating	N/A



Optical Information	
Led Color	Ultra Violet, UV
Wavelength	375nm (By default) OR customer can choose in 400nm (please state clearly in purchase order)
Illumination (number of LED)	60
Illumination Area	Ø65mm
Led Package	T1 5mm
Eye Safety (EN 62471:2008)	RG3 (High Risk): Caution. Do not look at exposed lamp in operation. May result in eye injury
Optimal Working Distance	5 – 30mm

Continuous Mode	Voltage Drive (With resistor)		Current Drive (Without resistor)	
	UV24-375	UV24-400	UV24-375	UV24-400
Supply Voltage to Controller	24V ± 2%		21VDC ± 2%	
Lighting Forward Voltage, Vf	20 V		20 V	
Max. Current	0.20A (MAX)		0.20A (MAX)	
Max. Power	4.80 W		4.20 W	
Lighting casing temperature, Operating after 60 minutes	50°C		52°C	

Strobe Mode	Voltage Drive		Current Drive	
	UV24-375	UV24-400	UV24-375	UV24-400
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC		Pulsing at 21VDC	
Max. Current	0.50A (MAX)		0.50A (MAX)	
Max. Trigger Pulse Duration	10 msec			
Duty Cycle	0 - 10%			

Ordering Part Number	Controller Type	Description
FLDR-i74LA3-UV24-375	Voltage Drive	With Resistor
FLDR-i74LA3-UV24-400		(Use in both constant voltage/ current power supply)
FLDR-i74LA3-UV24-375-0	Current Drive	Without Resistor (0 Ohm)
FLDR-i74LA3-UV24-375-0		(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	$\leq V_s \pm 5\%$
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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