



UV Low Angle Ring Light

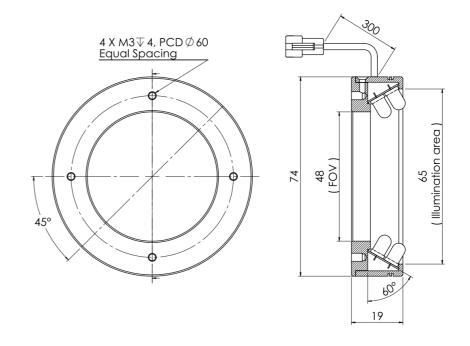
FLDR-i74LA3-UV

Lighting Picture

Lighting Dimension



Mechanical Information		
Casing Material	Aluminium	
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%	
Weight	94 g	
Lighting Dimension, ØxH	Ø74.0 x 19.0 mm	
IP Rating	N/A	



Unit in mm





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)	Exempt Group

Electrical Information	UV24-375	UV24-400	
Lighting Supply Voltage	24V ± 2%		
(constant voltage mode)			
Supply Ripple Voltage	≤ Vs ± 5%		
Reverse Battery Protection	YES		
Typical Lighting Forward voltage, Vf	21.6 V	21.6 V	
(for zero internal resistor value)	21.0 V		
Continuous Current	0.20A (MAX)	0.20A (MAX)	
Power Consumption	4.80 W	4.80 W	
Lighting casing temperature,	50°C	52°C	
Operating after 60 minutes	50°C		

Strobe Mode Specification	UV24-375	UV24-400	
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC,		
(Constant voltage power supply)	0-10% Duty Cycle		
	Recommended at 36VDC		
Pulse Current, (Max. 10msec)	0.50A (MAX)	0.50A (MAX)	
(Constant current power supply)	U.SUA (IVIAA)		
Max. Trigger Pulse Duration, msec	10 msec		
Duty Cycle	0 - 10%		

Ordering Option	
FLDR-i74LA3-UV24-375 FLDR-i74LA3-UV24-400	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDR-i74LA3-UV24-375-0 FLDR-i74LA3-UV24-400-0	Internal resistor value= zero ohms (only use in constant current power supply)





Connection	UV24-375, UV24-400			
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:	300 mm			

Additional Information	UV24-375, UV24-400	
Additional Cooling Method	Attached to machine part for better heat dissipation	
Life span in continuous mode	5,000 hours	
Life span in strobe light mode Lighting drop to 50% intensity	10,000 hours	
(at 25°C ambient temperature)		
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series	
CE Conformity	YES	
RoHS Compliance	YES	
ISO 9001:2008	SG11/03751	

Application	
Optimal Working Distance	5-30 mm

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