



UV Low Angle Ring Light

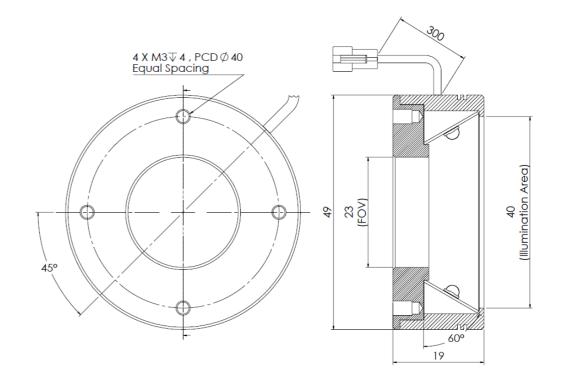
FLDR-Si49LA3-UV

Lighting Picture





Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	57 g
Lighting Dimension, ØxH	Ø49.0 x 19.0 mm
IP Rating	N/A



Unit in mm





Optical Information				
Led Color	Ultra Violet (UV)			
Wavelength	375nm 400nm			
Illumination (number of LED)	14	14		
Illumination Area	Ø40	Omm Omm		
Led Package	SMD			
Eye Safety (EN 62471:2008)	RG3 (High Risk): Caution. Do not look at expo	osed lamp in operation. May result in eye injury		

Electrical Information	UV24-375	UV24-400	
Lighting Supply Voltage	24V ± 2%		
(constant voltage mode)	24V ± 270		
Supply Ripple Voltage	≤ Vs ± 5%		
Reverse Battery Protection	YES		
Typical Lighting Forward voltage, Vf	23.1 V	23.1 V	
(for zero internal resistor value)	23.1 V		
Continuous Current	0.10A (MAX)	0.10A (MAX)	
Power Consumption	2.40 W 2.40 W		
Lighting casing temperature,	43°C	33°C	
Operating after 60 minutes	45°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)	0.25A (MAX)	0.25A (MAX)	
(Constant current power supply)	U.25A (WAX)		
Max. Trigger Pulse Duration, msec	10 msec		
Duty Cycle	0 - 10%		

Ordering Option	
FLDR-Si49LA3-UV24-375/UV24-400	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDR-Si49LA3-UV24-375/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.		(* z
	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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applications.