

UV Low Angle Ring Diffused Light

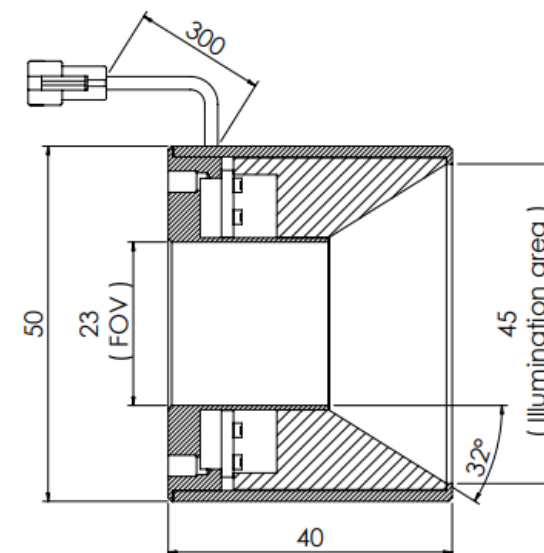
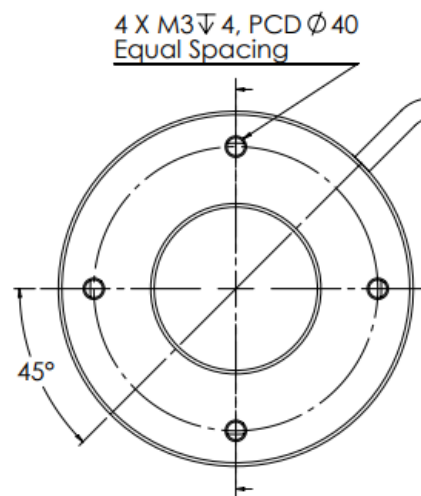


FFPR-Si50-UV

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Acrylic
Weight	79 g
Operating Temperature	0°C to 40°C, Humidity 20%-85%
Storage Temperature	-20°C to 60°C, Humidity 20%-85%
Lighting Dimension, ØxH	Ø50.0 x 40.0 mm
IP Rating	IP50




Led Colour	Ultra Violet, UV
Optical Information	
Wavelength / Color temperature	375nm
Illumination (Number of LED)	14
Illumination Area	Ø45mm
Led Package	SMD
Eye Safety (EN 62471:2008)	Exempt Group
Optimal Working Distance	0-30 mm

Continuous Mode	Voltage Drive (With resistor)	Current Drive (Without resistor)
	UV24-375	UV24-375
Supply Voltage To Controller	24VDC \pm 2%	23.4VDC \pm 2%
Lighting Forward Voltage, Vf	22.4 Vf	22.4 Vf
Max. Current	0.20A (MAX)	0.20A (MAX)
Max. Power	4.80W	4.68W

Strobe Mode	Voltage Drive	Current Drive
	UV24-375	UV24-375
Max. Lighting Supply Voltage	Pulsing at 24VDC to 48VDC, Recommended at 36VDC	Pulsing at 23.4VDC
Max. Current	0.50A (MAX)	0.50A (MAX)
Max. Trigger Pulse Duration	10 msec	
Duty Cycle	< 10%	

Ordering Part Number	Controller Type	Description
FFPR-Si50-UV24-375	Voltage Drive	With Resistor (Use in both constant voltage/ current power supply)
FFPR-Si50-UV24-375-0	Current Drive	Without Resistor (0 Ohm) (Only use in constant current power supply)



Connection	UV24-375			
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	MY05916



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