

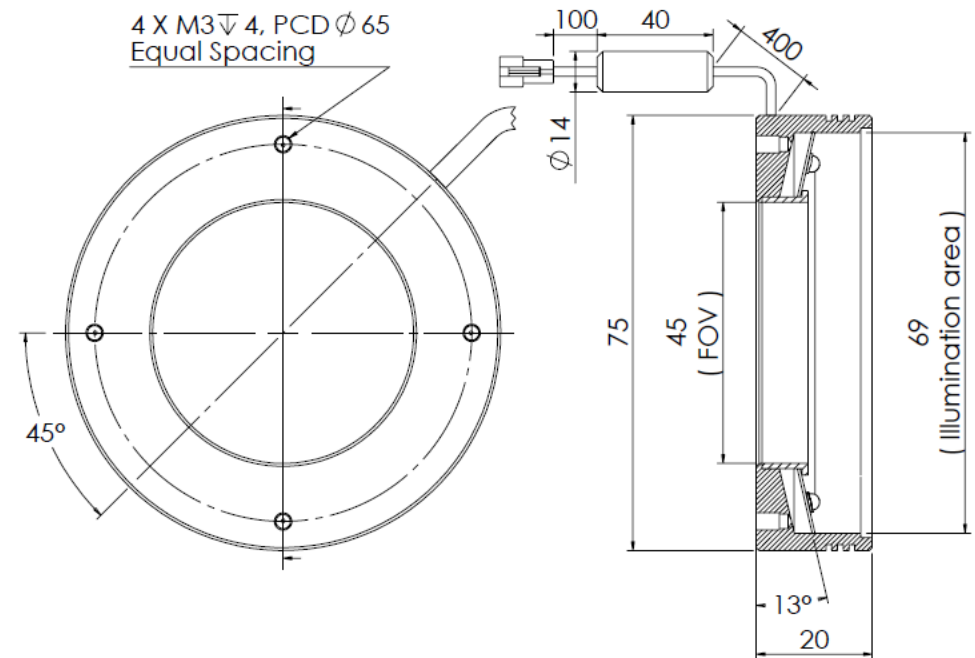
UV High Power Direct Angle Ring Light

[Falcon Logo] FHDR-Si75B-UV-375-**Strobe mode only**

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	100 g
Lighting Dimension, ØxH	Ø75.0 x 20.0 mm
IP Rating	N/A



FHDR-Si75B-UV

Asia Office: www.falcon-illumination.com, Europe Office: www.falcon-illumination.de
Form No: SOP-7.3.3 / Rev 1.0 / Date: 2017-06-08


Optical Information	
Led Color	Ultra Violet (UV)
Wavelength	375nm
Illumination (number of LED)	21
Illumination Area	Ø69mm
Led Package	SMD
Eye Safety (EN 62471:2008)	RG3 (High Risk): Caution. Do not look at exposed lamp in operation. May result in eye injury

Electrical Information	
	UV24-375
Lighting Supply Voltage (constant voltage mode)	24V ± 2%
Supply Ripple Voltage	≤ Vs ± 5%
Reverse Battery Protection	YES
Typical Lighting Forward voltage, Vf (for zero internal resistor value)	23.8 V
Continuous Current	N/A
Power Consumption	25.20 W
Lighting casing temperature, Operating after 60 minutes	60°C (Use in strobe mode only)

Strobe Mode Specification	
	UV24-375
Max. Lighting Supply Voltage (Constant voltage power supply)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC
Pulse Current, (Max. 10msec) (Constant current power supply)	1.05A (MAX)
Max. Trigger Pulse Duration, msec	10 msec
Duty Cycle	0 - 10%

Ordering Option	
FHDR-Si75B-UV24-375	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHDR-Si75B-UV24-375-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		UV24-375		
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:		540 mm		

Additional Information	UV24-375
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 (at 25°C ambient temperature)	10,000 hours
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series
CE Conformity	YES
RoHS Compliance	YES
ISO 9001:2008	SG11/03751

Application	
Optimal Working Distance	50-100 mm



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