

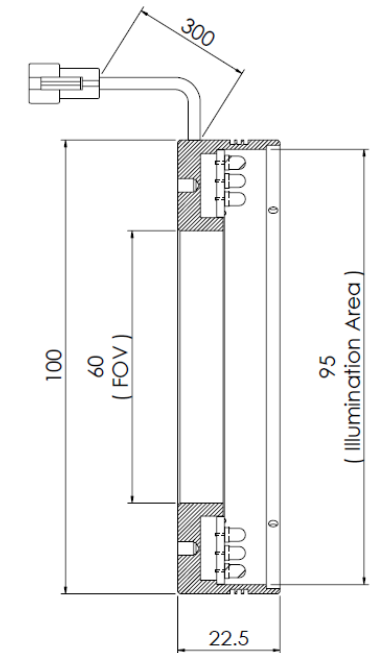
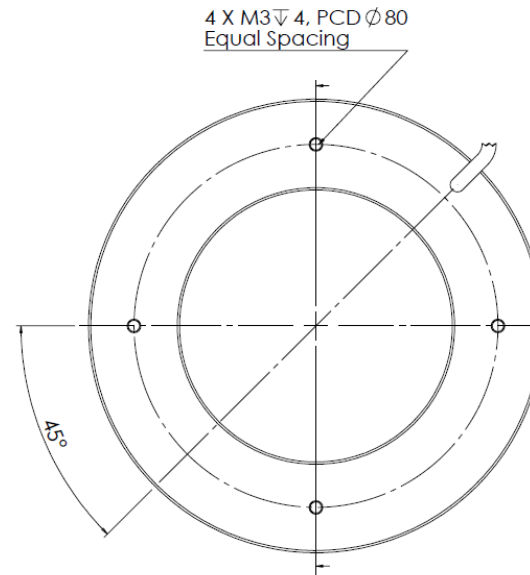
Direct Ring Light

 FLDR-i100A

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	240 g
Lighting Dimension, ØxH	Ø100.0 x 22.5 mm
IP Rating	N/A



FLDR-i100A


Optical Information	
Led Color	RED (SR24)
Wavelength	626nm
Illumination (number of LED)	143
Illumination Area	Ø95mm
Led Package	T1 3mm
Eye Safety (EN 62471:2008)	Exempt Group

Electrical Information	
	SR24
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)	22.0 V
Continuous Current	0.39A (MAX)
Power Consumption	9.36 W
Lighting casing temperature, Operating after 60 minutes	°C

Strobe Mode Specification	
	SR24
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)	0.98A (MAX)
Max. Trigger Pulse Duration, msec	10 msec
Duty Cycle	0 - 10%

Ordering Option	
FLDR-i100A-SR24	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDR-i100A-SR24-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		SR24		
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:	300mm			

Additional Information		SR24
Additional Cooling Method	Attached to machine part for better heat dissipation	
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)	50,000 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	30-200 mm



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