

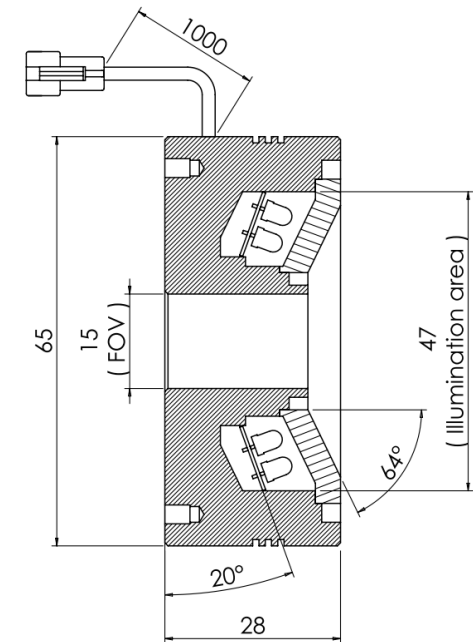
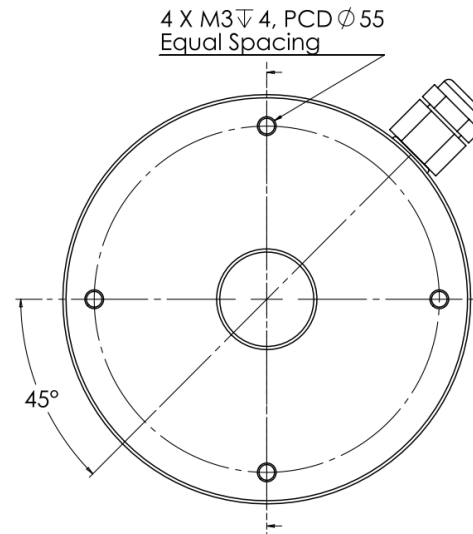
Direct Angle Ring Light

FLDR-i50B-IP55

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	204g
Lighting Dimension, ØxH	Ø65.0 x 28.0 mm
IP Rating	IP 55

Unit in mm




Optical Information			
Led Color	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	56	56	56
Illumination Area	Ø47mm		
Led Package	T1 3mm		
Eye Safety (EN 62471:2008)	Exempt Group		

Electrical Information		G/B/W
Lighting Supply Voltage (constant voltage mode)	24V ± 2%	
Supply Ripple Voltage	≤ Vs ± 5%	
Reverse Battery Protection	YES	
Lighting Forward voltage, (for zero internal resistor value)	21.0 V	
Continuous Current	0.16A (MAX)	
Power Consumption	3.84 W	
Lighting casing temperature, Operating after 60 minutes	44°C	

Strobe Mode Specification		G/B/W
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)	0.40A (MAX)	
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FLDR-i50B-IP55-G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDR-i50B-IP55-G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		G/B/W	
Connector Type (Default):	Pico M8 (Male)		
Pin Configuration: Pico M8 (Male)	Pin	Light Segment	Börsig /Binder P/N: 79-3382-52-04 Wire Color
	1	LED +	Brown
	2	N.C.	White
	3	LED -	Blue
	4	N.C.	Black
Cable Length out from lighting:	1000mm		

Additional Information		G/B/W	
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 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	50-100 mm



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