

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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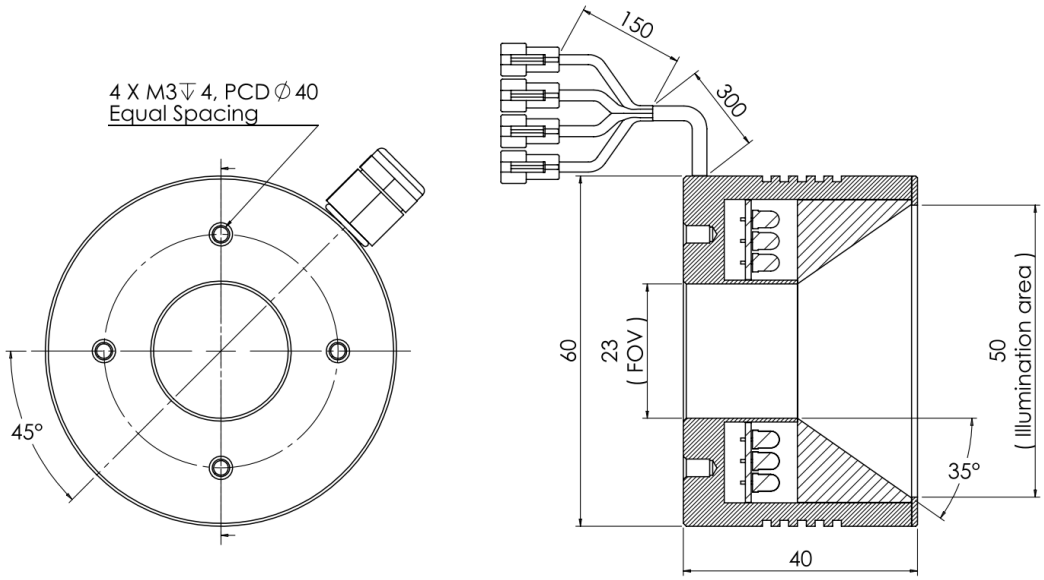
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FFPR-i50-4

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Acrylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	180 g
Lighting Dimension, OD / ID/ H	60.0 / 23.0 / 40.0 mm
IP Rating	IP 50

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	Ø50mm		
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
Typical Lighting Forward voltage, Vf (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	
FFPR-i50-4-G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FFPR-i50-4-G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)

Connection	G/B/W			
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:	450mm			

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	0-30 mm

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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