

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

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

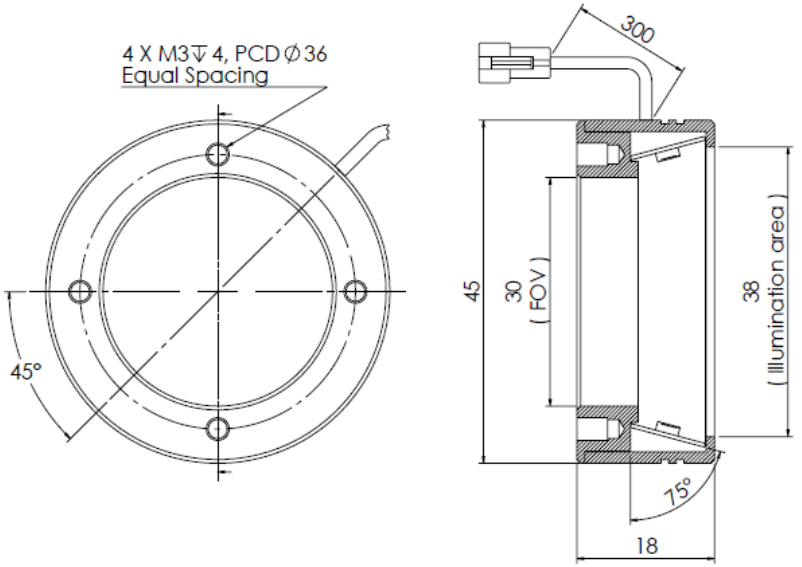
Visit our website - *Click HERE*

FLDR-Si45LA3

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	35 g
Lighting Dimension ØxH	Ø45.0 x 18.0 mm
IP Rating	N/A

Unit in mm

Optical Information						
Led Color	IR	IR24	RED (R24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	850nm	850nm	626nm	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	28	30	30	28	28	28
Illumination Area	Ø38mm					
Led Package	SMD					
Eye Safety (EN 62471:2008)	Exempt Group					

Electrical Information	IR	IR24	R24	G/B/W
Lighting Supply Voltage (constant voltage mode)	12V ± 2%	24V ± 2%		
Supply Ripple Voltage	≤ Vs ± 5%			
Reverse Battery Protection	YES			
Lighting Forward voltage, (for zero internal resistor value)	9.8 V	21.0 V	22.0 V	21.0 V
Continuous Current	0.10A (MAX)	0.05A (MAX)	0.12A (MAX)	0.08A (MAX)
Power Consumption	1.20 W	1.20 W	2.88 W	1.92 W
Lighting casing temperature, Operating after 60 minutes	44°C	41°C	50°C	44°C

Strobe Mode Specification	IR	IR24	R24	G/B/W
Max. Lighting Supply Voltage (Constant voltage power supply)	Pulsing at 12VDC to 24VDC, 0-10% Duty Cycle Recommended at 15VDC	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC		
Pulse Current, (Max. 10msec) (Constant current power supply)	0.25A (MAX)	0.13A (MAX)	0.30A (MAX)	0.20A (MAX)
Max. Trigger Pulse Duration, msec	10 msec			
Duty Cycle	0 - 10%			

Ordering Option	
FLDR-Si45LA3-IR/IR24/R24/G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDR-Si45LA3-IR/IR24/R24/G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)

Connection	IR				R24/IR24/G/B/W			
Connector Type (Default):	JST SMR-02V				JST SMR-03V			
	Pin	Signal	Cable Color		Pin	Signal	Cable Color	
	1	LED +	Black/White		1	LED +	Black/White	
	2	LED -	Black		2	N.C.	---	
					3	LED -	Black	
Cable Length out from lighting:	300 mm							

Additional Information	IR/IR24/R24/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	5-30 mm

Disclaimer

IMPORTANT NOTICE:
ALL PRODUCT, PRODUCT DATA SHEET AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE QUALITY, RELIABILITY, FUNCTION, DESIGN OR OTHERWISE.

Other disclaimers:

1) FALCON ILLUMINATION (M) SDN.BHD (termed as FALCON), its affiliates, agents, distributors and employees, and all persons acting on its or their behalf (FALCON collectively), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

2) FALCON makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, FALCON disclaims:
   (i) any and all liability arising out of the application or use of any product,
   (ii) any and all liability, including without limitation special, consequential or incidental damages, and
   (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

3) Information and statements regarding the suitability of products for certain types of applications are based on FALCON's knowledge of typical requirements that are often placed on our products datasheet for generic applications. Such statements or information are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to verify and/or validate that a particular product with the properties described in our product data sheet is suitable for use in a particular application.

4) Parameters provided in product datasheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be verified and/or validated for each customer application by the customer's technical experts.

5) Except as expressly indicated in writing, FALCON I's products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the product could result in personal injury or death. Customers using or selling our products not expressly indicated for use in such applications do so at their own risk and agree to fully indemnify and hold FALCON and its distributors harmless from and against any and all claims, liabilities, expenses and damages arising or resulting in connection with such use or sale, including attorneys fees, even if such claim alleges that FALCON or its distributor was negligent regarding the design or manufacture of the part. Please contact authorized FALCON personnel to obtain written terms and conditions regarding products designed for such applications.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

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

ARTISAN® TECHNOLOGY GROUP