

ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
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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.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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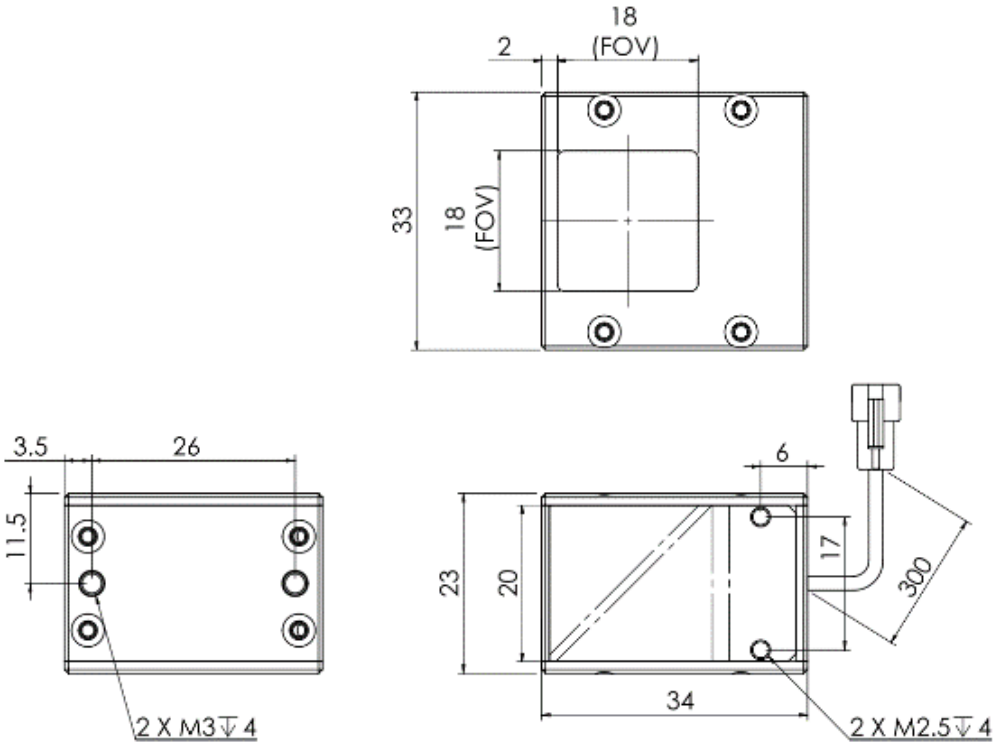
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FHFV-Si20

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Standard steel + Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	260g
Lighting Dimension WxLxH	33.0 x 34.0 x 23.0 mm
IP Rating	N/A

Optical Information				
Led Color	RED (R24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	626nm	525nm	475nm	xy=(0.31,0.32)
Illumination (number of LED)	11	12	12	12
Illumination Area	18 x 18 mm			
Led Package	SMD			
Eye Safety (EN 62471:2008)	RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation. May be harmful to eyes.			

Electrical Information	R24	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)	23.1 V	18.0 V
Continuous Current	0.30A (MAX)	0.70A (MAX)
Power Consumption	7.20 W	16.80 W
Lighting casing temperature, Operating after 60 minutes	45°C	45°C

Strobe Mode Specification	R24/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)	0.75A (MAX)	1.75A (MAX)
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FHFV-Si20-R24/G/B/W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHFV-Si20-R24/G/B/W-0	Internal resistor value= zero ohms (only use in constant current power supply)

Connection	R24/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:	300 mm			

Additional Information	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	1-30 mm

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