

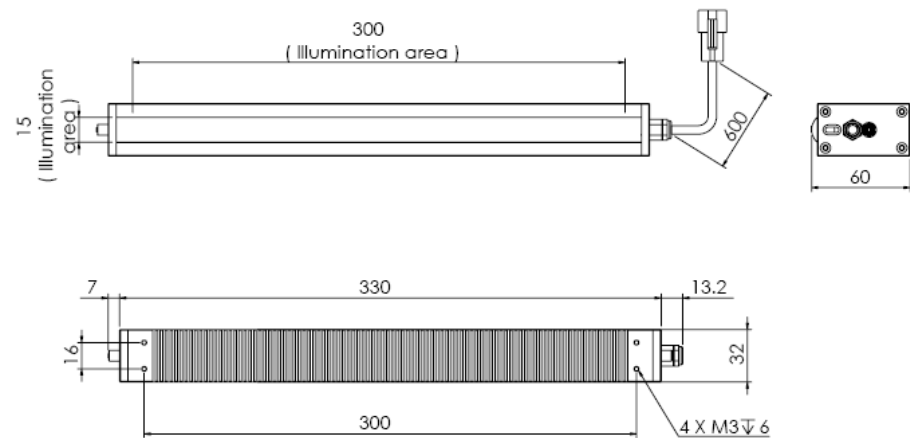
High Brightness Line Light

FHLN-Si300S

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Acrylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	1260 g
Lighting Dimension WxLxH	32.0 x 330.0 x 60.0 mm
IP Rating	IP 50

Unit in mm




Optical Information	
Led Color	WHITE (W)
Wavelength	xy=(0.31,0.32)
Illumination (number of LED)	42
Illumination Area	300 x 15 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	
	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	3.00A (MAX)
Power Consumption	72.0 W
Lighting casing temperature @ 25°C	(Without compress air cooling) > 75°C
	(With compress air cooling) > 60°C
Operating Temperature	0 ~ 40°C

Strobe Mode Specification	
	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)	7.50A (MAX)
Max. Trigger Pulse Duration, msec	10 msec
Duty Cycle	0 - 10%

Ordering Option	
FHLN-Si300S-W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHLN-Si300S-W-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		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:	600 mm		

Additional Information		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	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	20-100 mm



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