

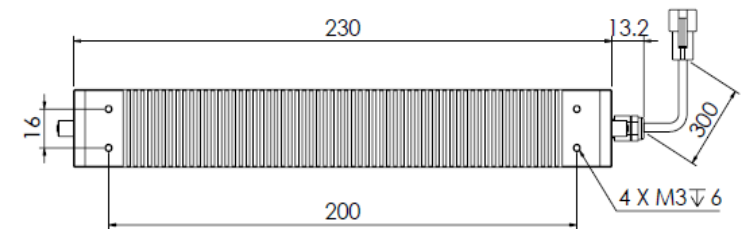
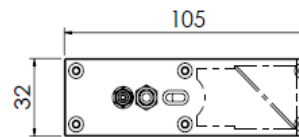
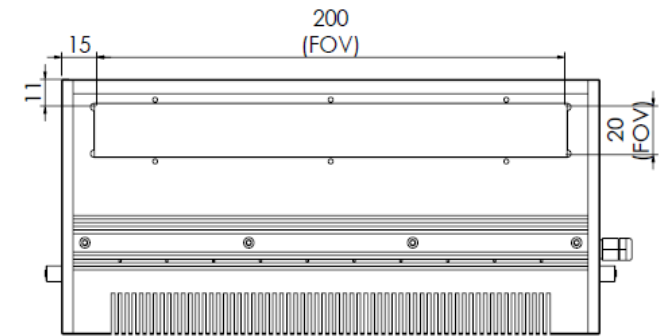
# High Brightness Coaxial Line Light

## FHLNX-Si200

### Lighting Picture



### Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	1079g
Lighting Dimension, WxLxH	32.0 x 230.0 x 105.0mm
IP Rating	N/A



Optical Information	
Led Color	WHITE (W)
Wavelength	xy=(0.31,0.32)
Illumination (number of LED)	28
Illumination Area	200 x 20 mm
Led Package	High Power-SMD
Eye Safety (EN 62471:2008)	RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation. May be harmful to eyes.
Optimal Working Distance	20-100 mm

Strobe Mode (with internal resistor)	
	W
Max. Lighting Supply Voltage	24VDC to 48VDC (Recommended at 36VDC)
Max. Current	1.40A (MAX)
Max. Power	33.60W
Max. Trigger Pulse Duration	50 msec
Duty Cycle	0 - 10%

Strobe Mode (without internal resistor)	
	W
Typical Lighting Forward Voltage	V <sub>f</sub> =21V
Max. Current	3.50 A (MAX)
Max. Power	73.50 W
Max. Trigger Pulse Duration	10 msec
Duty Cycle	0 - 10%

Continuous with lower current (with internal resistor)	
	W
Max. Lighting Supply Voltage	24VDC to 48VDC (Recommended at 36VDC)
Max. Current	0.80A (MAX)
Max. Power	19.20W
Max. Trigger Pulse Duration	50 msec
Duty Cycle	0 - 10%



Ordering Option	
FHLNX-Si200-W	With resistor to limit the current (Use in both constant voltage/ current power supply)
FHLNX-Si200-W-0	Internal resistor value= zero ohms (only use in constant current power supply)

Connection													
Connector Type (Default):	W JST SMR-03V												
	<table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</th> <th>Cable Color</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>LED +</td> <td>Black/White</td> </tr> <tr> <td>2</td> <td>N.C.</td> <td>---</td> </tr> <tr> <td>3</td> <td>LED -</td> <td>Black</td> </tr> </tbody> </table>	Pin	Signal	Cable Color	1	LED +	Black/White	2	N.C.	---	3	LED -	Black
Pin	Signal	Cable Color											
1	LED +	Black/White											
2	N.C.	---											
3	LED -	Black											
Cable Length out from lighting:	300 mm												



Additional Information	
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)	
Intensity Controller Selection	PSA-Series, PSD-Series, LIC-Series
CE Conformity	YES
RoHS Compliance	YES
ISO 9001:2008	SG11/03751



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