

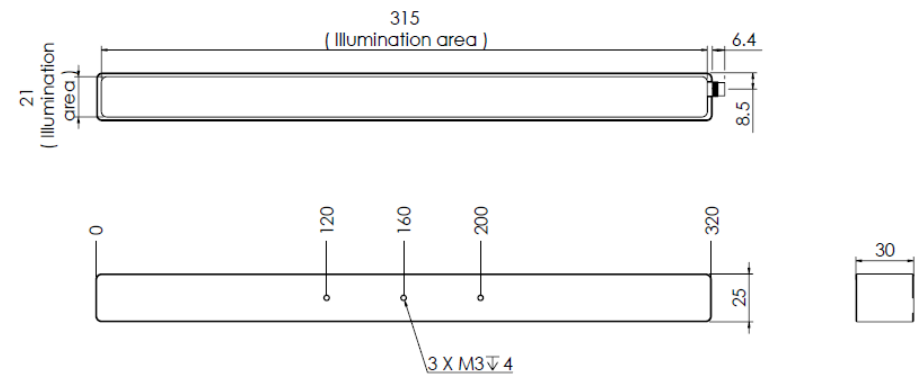
Bar Light

 **FLDL-i300x15-IP65**

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information	
Casing Material	Aluminium + Arcylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	380 g
Lighting Dimension, WxLxH	25.0 x 320.0 x 30.0 mm
IP Rating	IP 65




Optical Information				
Led Color	RED (R24)	GREEN (G)	BLUE (B)	WHITE (W)
Wavelength	626nm	525nm	470nm	xy=(0.31,0.32)
Illumination (number of LED)	90	90	90	90
Illumination Area	315 x 21 mm			
Led Package	T1 5mm			
Eye Safety (EN 62471:2008)	Exempt Group			

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)	22.0 V	18.0 V
Continuous Current	0.27A (MAX)	0.45A (MAX)
Power Consumption	6.48 W	10.80 W
Lighting casing temperature, Operating after 60 minutes	37°C	40°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)	0.68A (MAX)	1.13A (MAX)
Max. Trigger Pulse Duration, msec	10 msec	
Duty Cycle	0 - 10%	

Ordering Option	
FLDL-i300x15-R5/G5/B5/W5-IP65	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-i300x15-R5/G5/B5/W5-IP65-0	Internal resistor value= zero ohms (only use in constant current power supply)



<b>Connection</b>			
Connector Type (Default):	Pico M8 (Male)		
Pin Configuration: Pico M8 (Male)	<b>Pin</b>	<b>Light Segment</b>	<b>Börsig /Binder P/N: 79-3382-52-04</b> <b>Wire Color</b>
	1	LED +	Black/White
	2	N.C.	---
	3	LED -	Black
	4	N.C.	---
Cable Length out from lighting:	N/A		

<b>Additional Information</b>	
Additional Cooling Method	R24/G/B/W 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

<b>Application</b>	
Optimal Working Distance	10-100 mm



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