

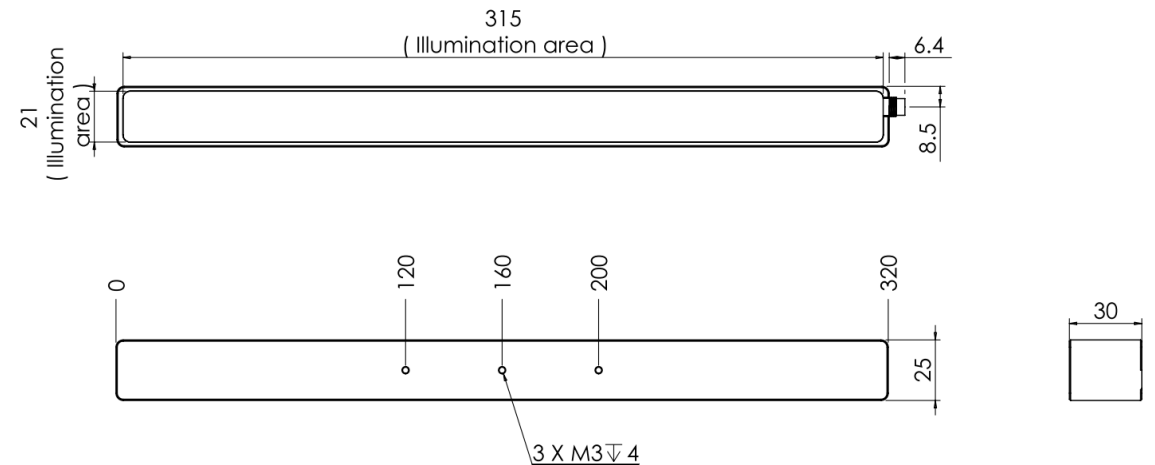
Bar Light

[FALCON] FLDL-i300x15-IP67-5

Lighting Picture



Lighting Dimension



Mechanical Information	
Casing Material	Aluminium + Diffuser
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	378g
Lighting Dimension, WxLxH	25.0 x 320.0 x 30.0 mm
IP Rating	IP 67

Unit in mm




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

Electrical Information		R24	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	44°C	44°C	

Strobe Mode Specification		R24	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-R24/W-IP67-5	With resistor to limit the current (Use in both constant voltage/ current power supply)
FLDL-i300x15-R24/W-IP67-5-0	Internal resistor value= zero ohms (only use in constant current power supply)



Connection		R24/W	
Connector Type (Default):	Pico M8 (Male)		
Pin Configuration: Pico M8 (Male)	Pin	Light Segment	Börsig /Binder P/N: 79-3382-52-04 Wire Color
	1	LED +	Brown
	2	N.C.	White
	3	LED -	Blue
	4	N.C.	Black
Cable Length out from lighting:	N/A		

Additional Information		R24/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	0-100 mm



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