

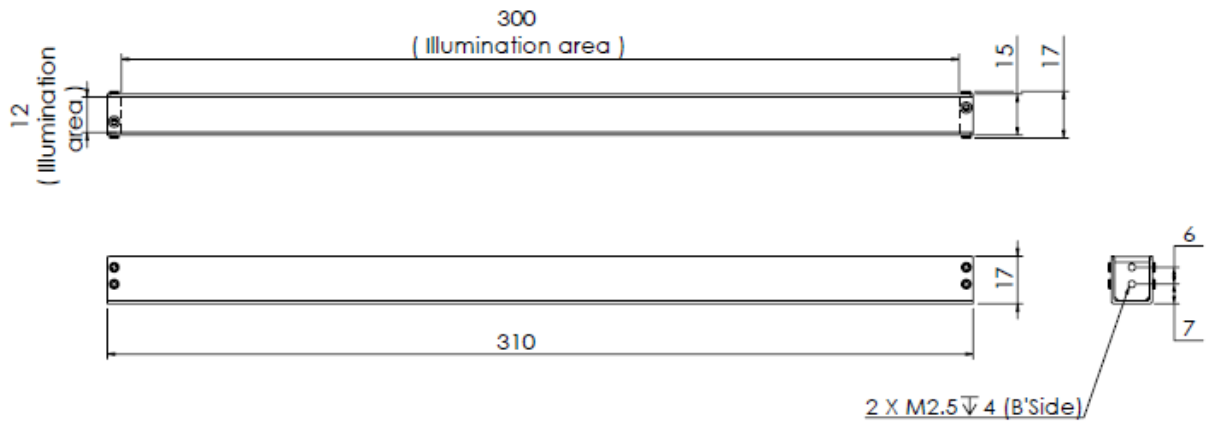
Customize Bar Light

[Falcon Logo] **FLDL-i300x15-15**

Lighting Picture



Lighting Dimension



All unit in mm

| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Metal + Diffuser |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight | 180g |
| Lighting Dimension, WxLxH | 15.0 x 310.0 x 17.0 mm |
| IP Rating | N/A |

| Optical Information | | | |
|--|--|----------|----------------|
| Led Color | Green (G) | BLUE (B) | White (W) |
| Wavelength | 525 nm | 470 nm | xy=(0.31,0.32) |
| Illumination (number of LED) | 189 | | |
| Illumination Area | 300x12 mm | | |
| Led Package | T1 3mm | | |
| Eye Safety (EN 62471:2008) | Exempt Group | | |
| Electrical Information | | | |
| G/B/W | | | |
| Lighting Supply Voltage (constant voltage mode) | 24V ± 2% | | |
| Lighting Forward voltage, (for zero internal resistor value) | 21 V | | |
| Reverse Battery Protection | YES | | |
| Supply Ripple Voltage | ≤ Vs ± 5% | | |
| Continuous Current | 0.54 A (MAX) | | |
| Power Consumption | 12.96 Watts | | |
| Lighting casing temperature, Operating after 60 minutes | 46°C | | |
| Strobe Mode Specification | | | |
| 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) | 1.35 A (MAX) | | |
| Max. Trigger Pulse Duration, msec | 10 msec | | |
| Duty Cycle | 0 to 10% | | |
| Additional Information | | | |
| Additional Cooling Method | Attached to machine part for better heat dissipation | | |
| Life span in continuous mode | 20,000 hours (drop to 50% intensity) at 25°C | | |
| Life span in strobe light mode | Est. >50,000 hours (drop to 50% intensity) at 25°C | | |
| Intensity Controller Selection | PSA-Series, PSD-Series, LIC-Series | | |
| CE Conformity | YES | | |
| RoHS Compliance | YES | | |
| ISO 9001:2008 | SG11/03751 | | |
| Ordering Option | | | |
| FLDL-i300-15-15-W/G/B | With resistor to limit the current (Use in both constant voltage/ current power supply) | | |
| FLDL-i300x15-15-W/G/B-0 | Internal resistor value= zero ohms (only use in constant current power supply) | | |
| Connection | | | |
| G/B/W | | | |
| Connector Type: | JST SMR-03V | | |
| Cable Length out from lighting: | 300 mm | | |
| Pin Configuration: | Pin | Signal | Cable Color |
| | 1 | LED + | Brown |
| | 2 | N.C. | --- |
| | 3 | LED - | White |
| | | | |
| Application | | | |
| Optimal Working Distance | 0-100 mm | | |



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