

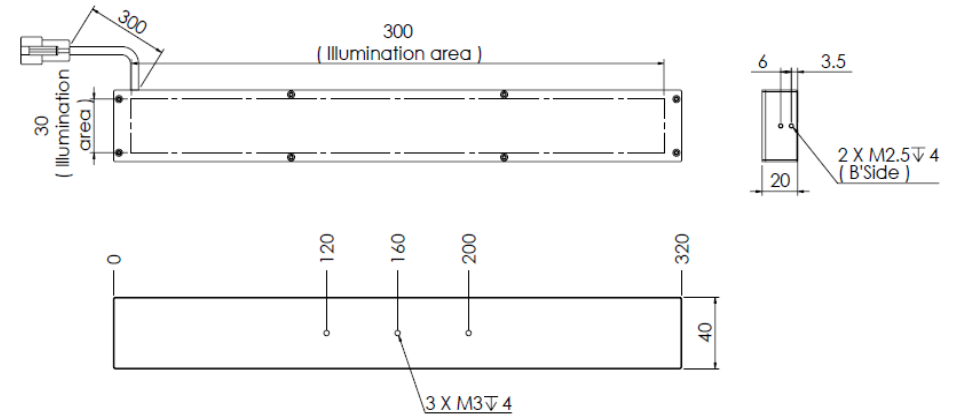
Bar Light

 **FLDL-i300x30-5**

Lighting Picture



Lighting Dimension



| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium + Diffuser |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight | 1310 g |
| Lighting Dimension, WxLxH | 40.0 x 320.0 x 20.0 mm |
| IP Rating | IP 30 |

Unit in mm



FLDL-i300x30-5

Asia Office: www.falcon-illumination.com, Europe Office: www.falcon-illumination.de
Form No: SOP-7.3.3 / Rev 1.1 / Date: 2015-01-05


| Optical Information | | |
|------------------------------|--------------|----------------|
| Led Color | RED (R24) | WHITE (W) |
| Wavelength | 626nm | xy=(0.31,0.32) |
| Illumination (number of LED) | 160 | 168 |
| Illumination Area | 300 x 30 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 | |
| Typical Lighting Forward voltage, Vf (for zero internal resistor value) | 22.0 V | 21.0 V |
| Continuous Current | 0.48A (MAX) | 0.72A (MAX) |
| Power Consumption | 11.52 W | 17.28 W |
| Lighting casing temperature, Operating after 60 minutes | 44°C | 42°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) | 1.20A (MAX) | 1.80A (MAX) |
| Max. Trigger Pulse Duration, msec | 10 msec | |
| Duty Cycle | 0 - 10% | |

| Ordering Option | |
|-------------------------|--|
| FLDL-i300x30-R24-5/W5 | With resistor to limit the current (Use in both constant voltage/ current power supply) |
| FLDL-i300x30-R24-5/W5-0 | Internal resistor value= zero ohms (only use in constant current power supply) |



| Connection | | R24/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: | 300 mm | | | |

| 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 | 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 | | | |

| Application | |
|--------------------------|----------|
| Optimal Working Distance | 0-100 mm |



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