

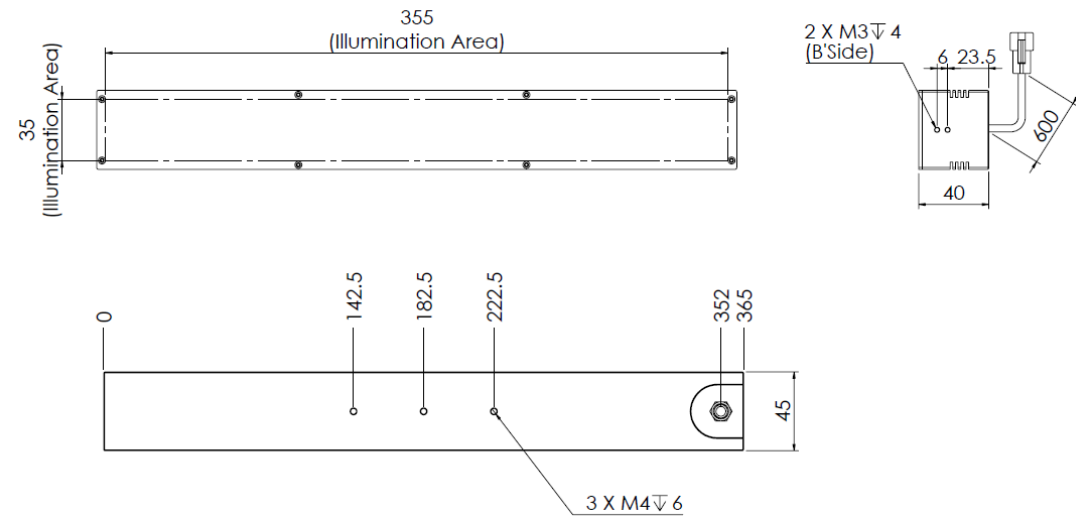
IP Bar Light

FLDL-i350X35-IP54

Lighting Picture



Lighting Dimension



Unit in mm

| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium + Diffuser |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight | 1388g |
| Lighting Dimension, WxLxH | 45.0 x 365.0 x 40.0 mm |
| IP Rating | IP 54 |




| Optical Information | | | |
|------------------------------|--------------|----------|----------------|
| Led Color | GREEN (G) | BLUE (B) | WHITE (W) |
| Wavelength | 525nm | 470nm | xy=(0.31,0.32) |
| Illumination (number of LED) | 490 | 490 | 490 |
| Illumination Area | 355 x 35 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% |
| Supply Ripple Voltage | | ≤ Vs ± 5% |
| Reverse Battery Protection | | YES |
| Lighting Forward voltage, (for zero internal resistor value) | | 21.0 V |
| Continuous Current | | 1.40A (MAX) |
| Power Consumption | | 33.60 W |
| Lighting casing temperature, Operating after 60 minutes | | 60°C |

| Strobe Mode Specification | | G/B/W |
|---|--|--|
| Max. Lighting Supply Voltage (Constant voltage power supply) | | Pulsing at 12VDC to 24VDC, 0-10% Duty Cycle Recommended at 18VDC |
| Pulse Current, (Max. 10msec) (Constant current power supply) | | 3.50A (MAX) |
| Max. Trigger Pulse Duration, msec | | 10 msec |
| Duty Cycle | | 0 - 10% |

| Ordering Option | |
|---------------------------|--|
| FLDL-i350X35-IP54-G/B/W | With resistor to limit the current (Use in both constant voltage/ current power supply) |
| FLDL-i350X35-IP54-G/B/W-0 | Internal resistor value= zero ohms (only use in constant current power supply) |



| Connection | | G/B/W | | |
|---------------------------------|-------------|--------|-------------|---|
| Connector Type (Default): | JST SMR-03V | | | |
| Pin Configuration: M8 Connector | Pin | Signal | Cable Color |  |
| | 1 | LED + | Black/White | |
| | 2 | N.C. | --- | |
| | 3 | LED - | Black | |
| Cable Length out from lighting: | 600mm | | | |

| Additional Information | | G/B/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 | Current Source | | | |
| CE Conformity | YES | | | |
| RoHS Compliance | YES | | | |
| ISO 9001:2008 | SG11/03751 | | | |

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



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