

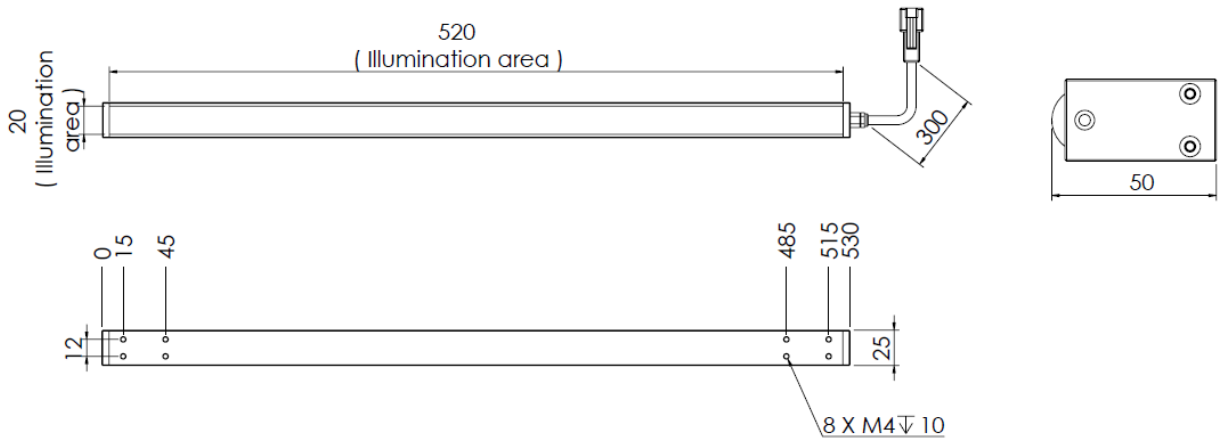
Line Light

 **FLLN-i500**

Lighting Picture



Lighting Dimension



All unit in mm

| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminum + Acrylic |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight | 1200 g |
| Lighting Dimension, WxLxH | 530.0 x 25.0 x 50.0mm |
| IP Rating | IP 30 |



| Optical Information | | | |
|--|---|-------------|----------------|
| Led Color | RED (R24) | | WHITE (W) |
| Wavelength | xy=(0.7,0.299) | | xy=(0.31,0.32) |
| Illumination (number of LED) | 60 | | 60 |
| Illumination Area | 520 x 20 mm | | |
| Led Package | P4 | | |
| Eye Safety (EN 62471:2008) | RG1 | | |
| Electrical Information | | | |
| 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) | 17.6 V | 21.0 V | |
| Continuous Current | 0.3 A (MAX) | 1.0 A (MAX) | |
| Power Consumption | 7.20 Watts | 24.0 Watts | |
| Lighting casing temperature, Operating after 60 minutes | 40°C | 50°C | |
| Strobe Mode Specification | | | |
| 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) | 0.75 A (MAX) | 2.5 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 | | | |
| FLLN-i500-R24/W | With resistor to limit the current (Use in both constant voltage/ current power supply) | | |
| FLLN-i500-R24/W-0 | Internal resistor value= zero ohms (only use in constant current power supply) | | |
| Connection | | | |
| Connector Type (Default): | JST SMR-03V | | |
| Cable Length out from lighting: | 600 mm | | |
| Pin Configuration: | Pin | Signal | Cable Color |
| | 1 | LED + | Black/White |
| | 2 | N.C. | --- |
| | 3 | LED - | Black |
| | | | |
| Application | | | |



| | |
|--------------------------|----------|
| Optimal Working Distance | 10-100mm |
|--------------------------|----------|



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