

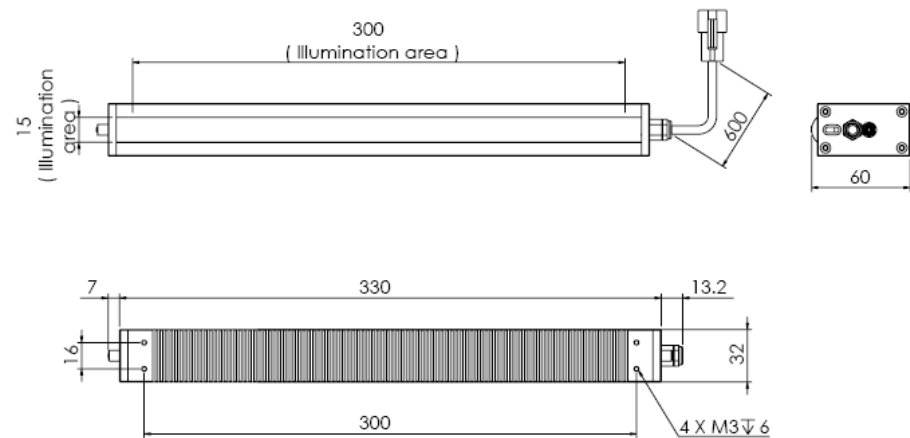
High Brightness Line Light

FHLN-Si300S

Lighting Picture



Lighting Dimension



| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium + Acrylic |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight | 1260 g |
| Lighting Dimension WxLxH | 32.0 x 330.0 x 60.0 mm |
| IP Rating | IP 50 |

Unit in mm


| Optical Information | |
|------------------------------|---|
| Led Color | WHITE (W) |
| Wavelength | xy=(0.31,0.32) |
| Illumination (number of LED) | 42 |
| Illumination Area | 300 x 15 mm |
| Led Package | SMD |
| Eye Safety (EN 62471:2008) | RG-2 (Moderate Risk): Caution. Do not stare at exposed lamp in operation. May be harmful to eyes. |

| Electrical Information | |
|---|---------------------------------------|
| | 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) | 21.0 V |
| Continuous Current | 3.00A (MAX) |
| Power Consumption | 72.0 W |
| Lighting casing temperature @ 25°C | (Without compress air cooling) > 75°C |
| | (With compress air cooling) > 60°C |
| Operating Temperature | 0 ~ 40°C |

| Strobe Mode Specification | |
|--|--|
| | 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) | 7.50A (MAX) |
| Max. Trigger Pulse Duration, msec | 10 msec |
| Duty Cycle | 0 - 10% |

| Ordering Option | |
|-----------------|--|
| FHLN-Si300S-W | With resistor to limit the current (Use in both constant voltage/ current power supply) |
| FHLN-Si300S-W-0 | Internal resistor value= zero ohms (only use in constant current power supply) |



| Connection | | 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: | 600 mm | | | |

| Additional Information | | 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) | 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 | 20-100 mm |



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