

Line Light

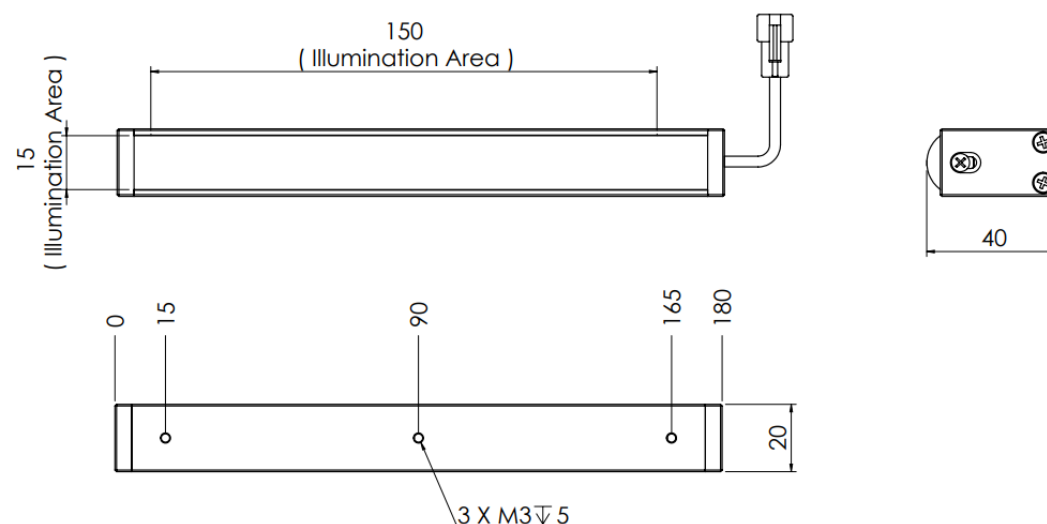


FLLN-Si150

Lighting Picture



Lighting Dimension



Unit in mm

Mechanical Information

| | |
|---------------------------|---------------------------------|
| Casing Material | Aluminium + Acrylic |
| Weight | 210g |
| Operating Temperature | 0°C to 40°C, Humidity 20%-85% |
| Storage Temperature | -20°C to 60°C, Humidity 20%-85% |
| Lighting Dimension, WxLxH | 20.0 x 180.0 x 40.0mm |
| IP Rating | IP40 |



FLLN-Si150

Asia Office: www.falconmv.com, Europe Office: www.falcon-illumination.de
Form No: SOP-DSG-FR004 / Rev 1.1 / Date: 2024-11-26 / GS
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| Led Colour | RED (R24) | WHITE (W) |
|--------------------------------|--------------|----------------|
| Optical Information | | |
| Wavelength / Color temperature | 626nm | xy=(0.31,0.32) |
| Illumination (Number of LED) | 20 | 24 |
| Illumination Area | 150 x 15 mm | |
| Led Package | SMD | |
| Eye Safety (EN 62471:2008) | Exempt Group | |
| Optimal Working Distance | 10-100 mm | |

| Continuous Mode | Voltage Drive (With resistor) | | Current Drive (Without resistor) | |
|------------------------------|-------------------------------|-------------|----------------------------------|----------------|
| | R24 | W | R24 | W |
| Supply Voltage To Controller | 24VDC \pm 2% | | 20VDC \pm 2% | 22VDC \pm 2% |
| Lighting Forward Voltage, Vf | 19.10Vf | 21.0V | 19.10Vf | 21.0V |
| Max. Current | 0.20A (MAX) | 0.30A (MAX) | 0.20A (MAX) | 0.30A (MAX) |
| Max. Power | 4.80W | 7.20W | 4.00W | 6.60W |

| Strobe Mode | Voltage Drive | | Current Drive | |
|------------------------------|--|-------------|------------------|------------------|
| | R24 | W | R24 | W |
| Max. Lighting Supply Voltage | Pulsing at 24VDC to 48VDC, Recommended at 36VDC | | Pulsing at 20VDC | Pulsing at 22VDC |
| Max. Current | 0.50A (MAX) | 0.75A (MAX) | 0.50A (MAX) | 0.75A (MAX) |
| Max. Trigger Pulse Duration | 10 msec | | | |
| Duty Cycle | < 10% | | | |

| Ordering Part Number | Controller Type | Description |
|----------------------|-----------------|---|
| FLLN-Si150-R24/W | Voltage Drive | With Resistor (Use in both constant voltage/ current power supply) |
| FLLN-Si150-R24/W-0 | Current Drive | Without Resistor (0 Ohm) (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 | Details |
|---|--|
| 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) | |
| Supply Ripple Voltage | $\leq V_s \pm 5\%$ |
| Reverse Battery Protection | YES |
| Cooling Method | Natural air-cooling |
| Additional Cooling Method | Attached to machine part for better heat dissipation |
| Intensity Controller Selection | PSA-Series, PSD-Series, LIC-Series |
| CE Conformity | YES |
| ISO 9001:2015 | MY05916 |



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