

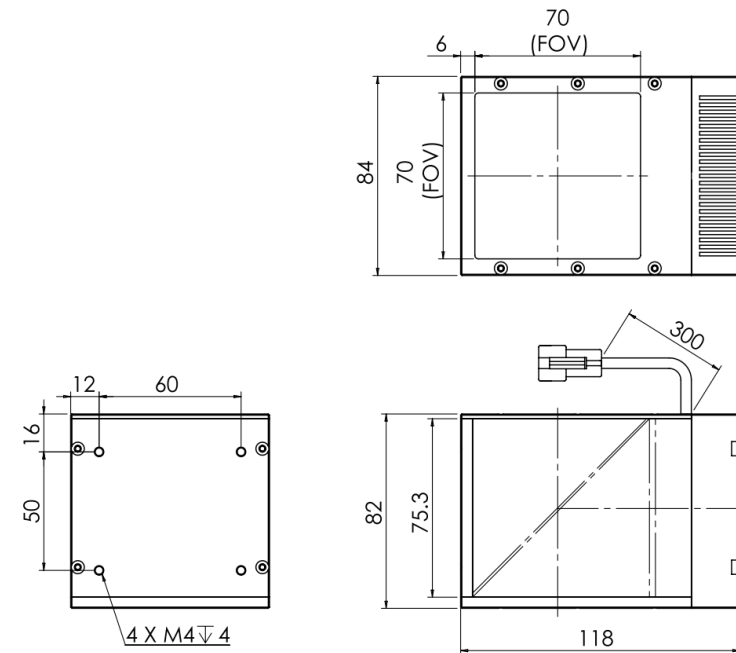
# UV Coaxial Light

## FLFV-Si70N-UV

Lighting Picture



Lighting Dimension



| Mechanical Information    |                              |
|---------------------------|------------------------------|
| Casing Material           | Aluminium                    |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight                    | 745g                         |
| Lighting Dimension, WxLxH | 84.0 x 118.0 x 82.0 mm       |
| IP Rating                 | N/A                          |

Unit in mm



FLFV-Si70N-UV

Asia Office: [www.falcon-illumination.com](http://www.falcon-illumination.com), Europe Office: [www.falcon-illumination.de](http://www.falcon-illumination.de)  
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| Optical Information          |  |
|------------------------------|--|
| Led Color                    | Ultra Violet, UV   |
| Wavelength                   | 375nm (By default) OR customer can choose in 400nm ( please state clearly in purchase order) |
| Illumination (number of LED) | 120  |
| Illumination Area            | 70 x 70mm  |
| Led Package                  | SMD  |
| Eye Safety (EN 62471:2008)   | RG3 (High Risk): Caution. Do not look at exposed lamp in operation. May result in eye injury |

| Electrical Information  |             |
|---|-------------|
|   | UV24        |
| 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) | 21.6 V      |
| Continuous Current  | 0.40A (MAX) |
| Power Consumption   | 9.60 W      |
| Lighting casing temperature, Operating after 60 minutes                 | 35°C        |

| Strobe Mode Specification                                    |   |
|--|---|
|  | UV24  |
| Max. Lighting Supply Voltage (Constant voltage power supply) | Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle<br>Recommended at 36VDC |
| Pulse Current, (Max. 10msec) (Constant current power supply) | 1.00A (MAX)   |
| Max. Trigger Pulse Duration, msec                            | 10 msec   |
| Duty Cycle   | 0 - 10%   |

| Ordering Option   |  |
|-------------------|--|
| FLFV-SI70N-UV24   | With resistor to limit the current                   |
| FLFV-SI70N-UV24   | (Use in both constant voltage/ current power supply) |
| FLFV-SI70N-UV24-0 | Internal resistor value= zero ohms                   |
| FLFV-SI70N-UV24-0 | (only use in constant current power supply)          |



| <b>Connection</b>               |             | UV24   |             |   |
|---------------------------------|-------------|--------|-------------|---|
| 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      |        |             |   |

| <b>Additional Information</b>   |  | UV24 |  |  |
|---|--|------|--|--|
| Additional Cooling Method   | Attached to machine part for better heat dissipation |      |  |  |
| Life span in continuous mode  | 5,000 hours  |      |  |  |
| Life span in strobe light mode<br>Lighting drop to 50% intensity<br>(at 25°C ambient temperature) | 10,000 hours   |      |  |  |
| Intensity Controller Selection  | PSA-Series, PSD-Series, LIC-Series                   |      |  |  |
| CE Conformity   | YES  |      |  |  |
| RoHS Compliance   | YES  |      |  |  |
| ISO 9001:2008   | SG11/03751   |      |  |  |

| <b>Application</b>       |         |
|--------------------------|---------|
| Optimal Working Distance | 1-30 mm |



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