

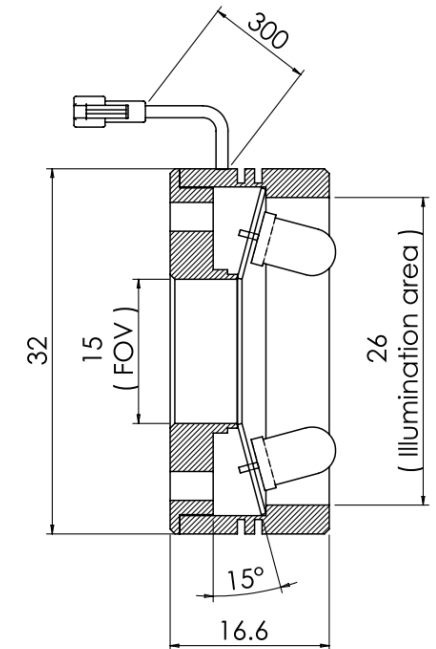
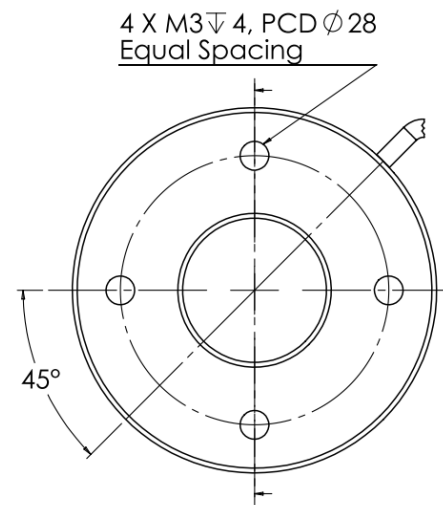
# UV Direct Ring Light

## FLDR-i32B-UV

### Lighting Picture



### Lighting Dimension



| Mechanical Information    |                              |
|---------------------------|------------------------------|
| Casing Material           | Aluminium                    |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight                    | 25 g                         |
| Lighting Dimension, ØxH   | Ø32.0 x 16.6 mm              |
| IP Rating                 | N/A                          |

Unit in mm



FLDR-i32B-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) | 24   |
| Illumination Area            | Ø26mm  |
| Led Package                  | T1 5mm   |
| Eye Safety (EN 62471:2008)   | RG3 (High Risk): Caution. Do not look at exposed lamp in operation. May result in eye injury |

| Electrical Information  |                    |
|---|--------------------|
|   | UV24-375, UV24-400 |
| 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) | 21.6V              |
| Continuous Current  | 0.08A (MAX)        |
| Power Consumption   | 1.92 W             |
| Lighting casing temperature, Operating after 60 minutes                 | 55°C               |

| Strobe Mode Specification                                    |   |
|--|---|
|  | UV24-375, UV24-400  |
| 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) | 0.20A (MAX)   |
| Max. Trigger Pulse Duration, msec                            | 10 msec   |
| Duty Cycle   | 0 - 10%   |

| Ordering Option                              |  |
|--|--|
| FLDR-i32B-UV24-375<br>FLDR-i32B-UV24-400     | With resistor to limit the current<br>(Use in both constant voltage/ current power supply) |
| FLDR-i32B-UV24-375-0<br>FLDR-i32B-UV24-400-0 | Internal resistor value= zero ohms<br>(only use in constant current power supply)          |



| <b>Connection</b>               |             | UV24-375, UV24-400 |             |   |
|---------------------------------|-------------|--------------------|-------------|---|
| 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>                                |  | UV24-375, UV24-400 |  |  |
|--|--|--------------------|--|--|
| 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                               | 10,000 hours   |                    |  |  |
| Lighting drop to 50% intensity (at 25°C ambient temperature) |  |                    |  |  |
| 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 | 50-100 mm |



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