



Ring Light Direct Angle

**FLDR-Si90B-AOI**



| Operating Temperature after 30 minutes | Drawing |
|--|---------|
|  |         |

| Mechanical Data (TYP)     |                              |
|---------------------------|------------------------------|
| Casing Material           | Aluminum                     |
| Storage Temperature Range | Temp 0-35°C, Humidity 20-85% |
| Weight                    | Approx. 130g                 |

| Optical Data (TYP)           | R | R24 | W              | G     | B     |
|------------------------------|---|-----|----------------|-------|-------|
| Illumination (number of LED) | - | -   | 93             |       |       |
| Led Color                    | - | -   | WHITE          | GREEN | BLUE  |
| Wavelength                   | - | -   | xy=(0.31,0.32) | 525nm | 470nm |
| Led Package                  | - | -   | SMD            |       |       |

| Electrical Data (TYP)          | R  | R24 | W/G/B  |
|--------------------------------|--|-----|--|
| Operating Voltage              | -  | -   | 12V ± 2%   |
| Reverse Battery Protection     | -  | -   | YES  |
| Supply Ripple Voltage          | -  | -   | ≤ Vs ± 5%  |
| Current Consumption            | -  | -   | 0.62A  |
| Power Consumption              | -  | -   | 7.44W  |
| Trigger Voltage                | -  | -   | Continuous=12V<br>Pulsing 12-24V<br>0-10% Duty Cycle |
| Operating after 30 minutes     | -  |     | Approx. 39°C   |
| Additional Cooling Method      | Attached to large machine part                     |     |  |
| 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 |     |  |
| Connection                     | -  | -   | JST SMR-02V,<br>1:+,2:-                              |
| Power Supply Selection         | -  | -   | PSA-12V<br>PSD-12V<br>PSD-STL-12V                    |

| Application (TYP)            |          |
|------------------------------|----------|
| Recommended Working Distance | 50-100mm |