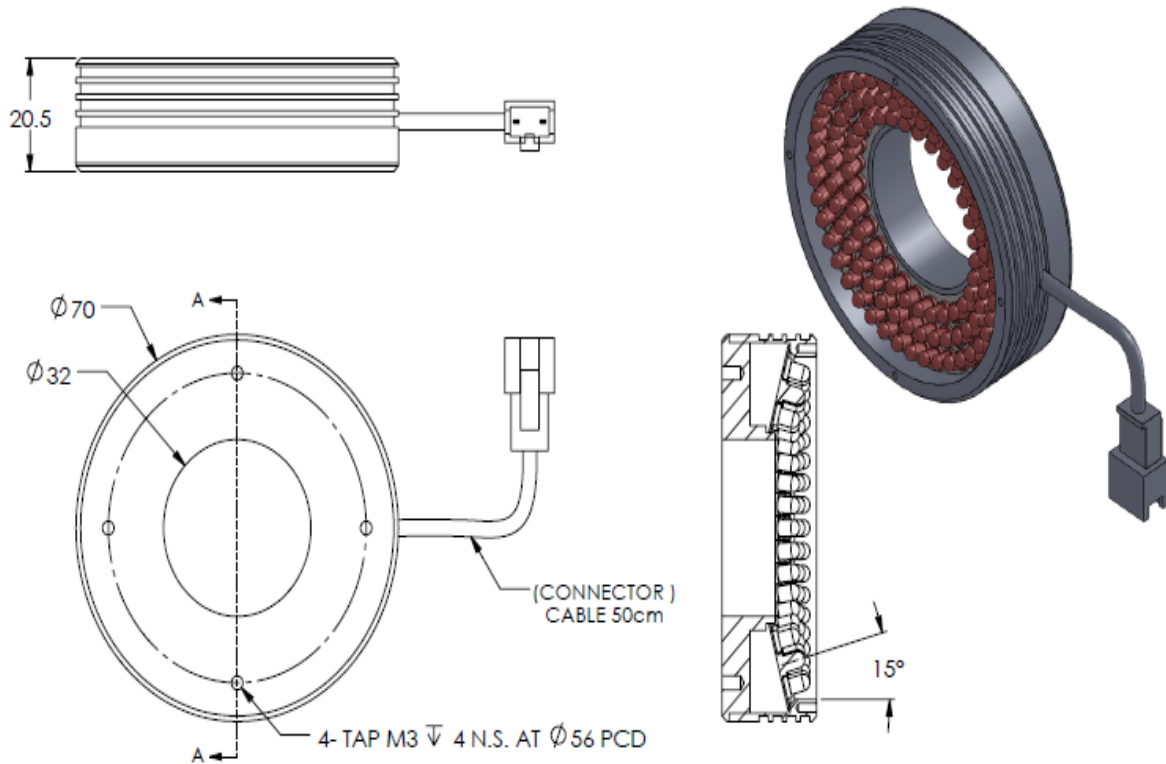




# ILLUMINATOR DATA

**LSW-15-070-3-R-24V**


## Lighting Dimension



| Mechanical Information    |                              |
|---------------------------|------------------------------|
| Casing Material           | Aluminium                    |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight                    | -                            |
| Outer Diameter            | 70                           |
| Inner Diameter            | 32                           |
| Thickness                 | 20.5                         |



## LSW-15-070-3-R-24V

| Optical Information  |              |  |          |       |             |       |       |       |       |
|--|--------------|--|----------|-------|-------------|-------|-------|-------|-------|
| Part Number  |              | LSW-15-070-3-R-24V   |          |       |             |       |       |       |       |
| LED Color  |              | RED  |          |       |             |       |       |       |       |
| Wavelength   | (nm)         | 630  |          |       |             |       |       |       |       |
| Intensity  | (Lux)        | 31400  |          | 28500 |             | 24100 |       |       |       |
| Working Distance   | (mm)         | 95   |          | 105   |             | 115   |       |       |       |
| Illumination (number of row)                                 |              | 3  |          |       |             |       |       |       |       |
| Illumination Active Area                                     |              |  |          |       |             |       |       |       |       |
| Active Inner Diameter  | (mm)         | 37   |          |       |             |       |       |       |       |
| Active Outer Diameter  | (mm)         | 67   |          |       |             |       |       |       |       |
| Emission angle   | (deg.)       | 15   |          |       |             |       |       |       |       |
| Eye Safety Class   |              | II   |          |       |             |       |       |       |       |
| *CHROMATICITY TABLE  |              |  |          |       |             |       |       |       |       |
| X  | 0.296        | 0.287  | 0.307    | 0.311 | X           | 0.311 | 0.307 | 0.33  | 0.33  |
| Y  | 0.276        | 0.295  | 0.315    | 0.294 | Y           | 0.294 | 0.315 | 0.339 | 0.318 |
| Electrical Information                                       |              |  |          |       |             |       |       |       |       |
| Lighting Supply Voltage (constant voltage mode)              | (constant)   |  | 24V ± 2% |       |             |       |       |       |       |
| Continuous Current   | (mA)         | 180  |          |       |             |       |       |       |       |
| Power Consumption  | (W)          | 4.32   |          |       |             |       |       |       |       |
| Lighting casing temperature, after 60 minutes                | Operating °C | 72   |          |       |             |       |       |       |       |
|  |              |  |          |       |             |       |       |       |       |
| Strobe Mode Specification                                    |              |  |          |       |             |       |       |       |       |
| Pulse Operation  |              |  | YES      |       |             |       |       |       |       |
| Max. Lighting Supply Voltage (Constant voltage power supply) | (V)          | Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle<br>Recommended at 36VDC                  |          |       |             |       |       |       |       |
| Pulse Current, (Max. 10msec) (Constant current power supply) | (mA)         | 540  |          |       |             |       |       |       |       |
| Max. Trigger Pulse Duration                                  | (msec)       | 10   |          |       |             |       |       |       |       |
| Duty Cycle   |              | 0-10%  |          |       |             |       |       |       |       |
|  |              |  |          |       |             |       |       |       |       |
| Additional Information                                       |              |  |          |       |             |       |       |       |       |
| Additional Cooling Method                                    |              | Attached to machine part for better heat dissipation                                 |          |       |             |       |       |       |       |
| Life span in continuous mode                                 |              | 20,000 hours (drop to 50% intensity) at 25°C   |          |       |             |       |       |       |       |
| Life span in strobe mode                                     |              | Est. >50,000 hours (drop to 50% intensity) at 25°C                                   |          |       |             |       |       |       |       |
| Intensity Controller Selection                               |              | ANG-Series, LC-Series, STB-Series  |          |       |             |       |       |       |       |
| CE Conformity  |              | YES  |          |       |             |       |       |       |       |
| RoHS Compliance  |              | YES  |          |       |             |       |       |       |       |
|  |              |  |          |       |             |       |       |       |       |
| Connection   |              |  |          |       |             |       |       |       |       |
| Connector Type (Default):                                    |              | JST SMR-03V  |          |       |             |       |       |       |       |
| Cable Length out from lighting :                             | (mm)         | 500  |          |       |             |       |       |       |       |
| Pin Configuration :  |              | Pin  | Signal   |       | Cable Color |       |       |       |       |
|  |              | 1  | LED +    |       | RED         |       |       |       |       |
|  |              | 2  | N.C.     |       | ---         |       |       |       |       |
|  |              | 3  | LED -    |       | WHITE       |       |       |       |       |
|  |              |  |          |       |             |       |       |       |       |
|  |              |  |          |       |             |       |       |       |       |
| Application  |              |  |          |       |             |       |       |       |       |
| Optimal Working Distance                                     | (mm)         | 95 - 115   |          |       |             |       |       |       |       |