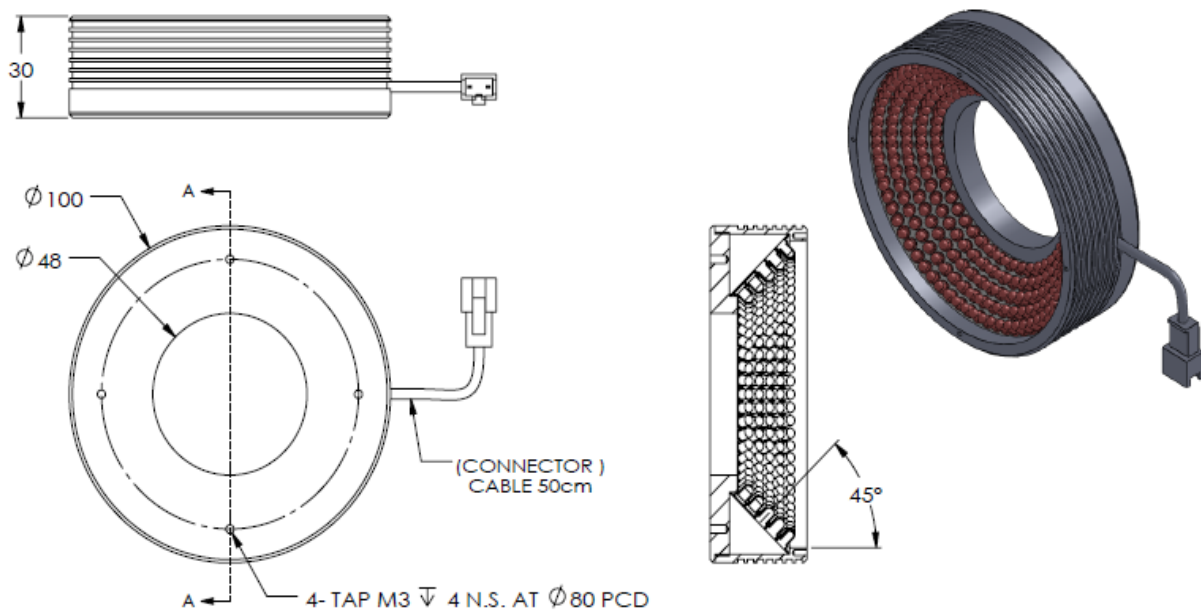




ILLUMINATOR DATA

LSW-45-100-5-R-24V


Lighting Dimension



| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | 250g |
| Outer Diameter | 100mm |
| Inner Diameter | 48mm |
| Thickness | 30mm |



LSW-45-100-5-R-24V

| Optical Information | | | | |
|---|--------|--|--------|-------------|
| Part Number | | LSW-45-100-5-R-24V | | |
| LED Color | | RED | | |
| Wavelength | (nm) | 630 | | |
| Intensity | (Lux) | 126100 | 116100 | 81100 |
| Working Distance | (mm) | 14 | 24 | 34 |
| Illumination (number of row) | | 5 | | |
| Illumination Active Area | | | | |
| Active Inner Diameter | (mm) | 58 | | |
| Active Outer Diameter | (mm) | 91 | | |
| Emission angle | (deg.) | 45 | | |
| Eye Safety Class | | II | | |
| | | | | |
| Electrical Information | | | | |
| Lighting Supply Voltage (constant voltage mode) | | 24V ± 2% | | |
| Continuous Current | (mA) | 465 | | |
| Power Consumption | (W) | 11.16 | | |
| LED temperature, Operating after 60 minutes | °C | 77 | | |
| Lighting casing temperature, Operating after 60 minutes | °C | 58.5 | | |
| | | | | |
| Strobe Mode Specification | | | | |
| Pulse Operation | | YES | | |
| Max. Lighting Supply Voltage (Constant voltage power supply) | (V) | Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC | | |
| Pulse Current, (Max. 10msec) (Constant current power supply) | (mA) | 1395 | | |
| 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) | 14 - 34 | | |