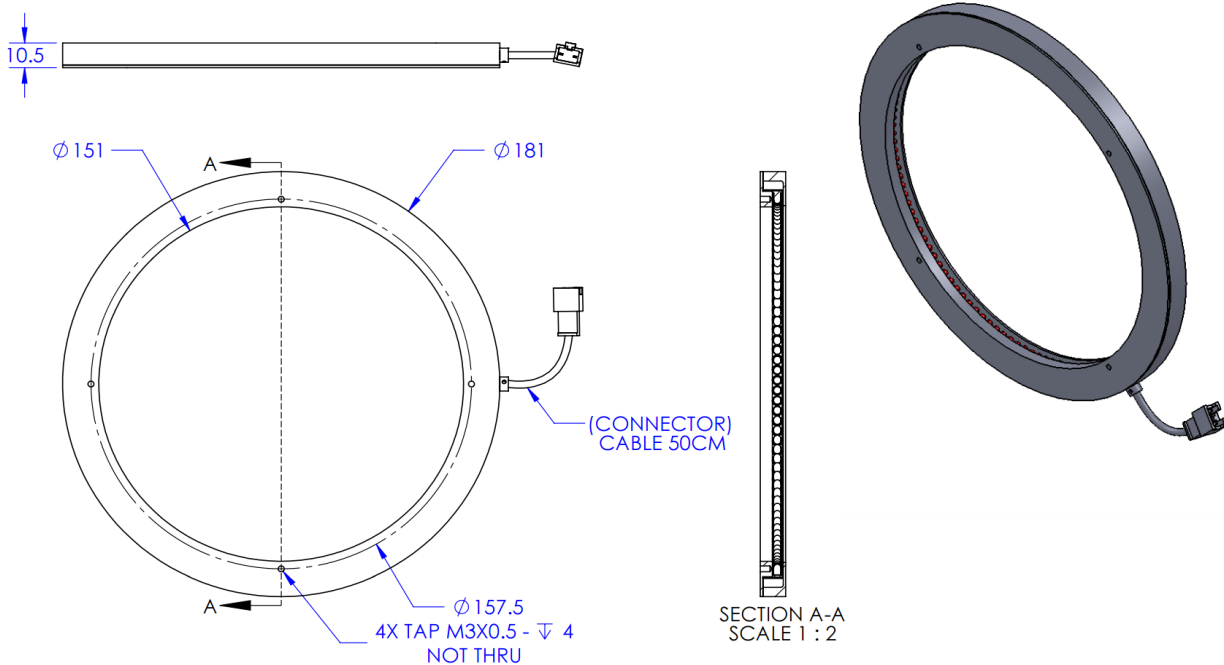




ILLUMINATOR DATA-ID

LLA-90-180-1-R-24V

Lighting Dimension




| Mechanical Information | |
|---------------------------|--------------------------------|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0 - 45°C, Humidity 20-85% |
| Weight | 180 g |
| Length / Outer Diameter | 181 mm |
| Width / Inner Diameter | 151 mm |
| Thickness / Height | 10.5 mm |



ILLUMINATOR DATA-ID

LLA-90-180-1-R-24V

| Optical Information | | | | |
|---|--------|--|--------|-------------|
| Part Number | | LLA-90-180-1-R-24V | | |
| LED Color | | RED | | |
| Wavelength | (nm) | 630 | | |
| Intensity (±15%) | (Lux) | 2020 | 2320 | 2250 |
| Working Distance | (mm) | 5 | 10 | 15 |
| Illumination (number of row) | | 1 | | |
| Illumination Active Area | | | | |
| Active Length / Outer Diameter | (mm) | 152 | | |
| Active Width / Inner Diameter | (mm) | 151 | | |
| Emission angle | (deg.) | 90 | | |
| Eye Safety Class (IEC62471) | | EXEMPT | | |
| | | | | |
| Electrical Information | | | | |
| Lighting Supply Voltage (constant voltage mode) | | 24V ± 2% | | |
| Continuous Current | (mA) | 195 | | |
| Power Consumption | (W) | 4.68 | | |
| Lighting casing temperature, Operating after 60 minutes | °C | 44.9 | | |
| | | | | |
| 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) | 585 | | |
| Max. Trigger Pulse Duration | (msec) | 10 | | |
| Duty Cycle | | 0-10% | | |
| | | | | |
| Additional Information | | | | |
| Additional Cooling Method | | Attached to machine part for better heat dissipation | | |
| Intensity Controller Selection | | ANG, ST, SD and SDA 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 | | | | |
| Illumination Type | | Direct Illumination | | |
| Application Use | | Edge detection, scratched on metal or glossy surface. | | |