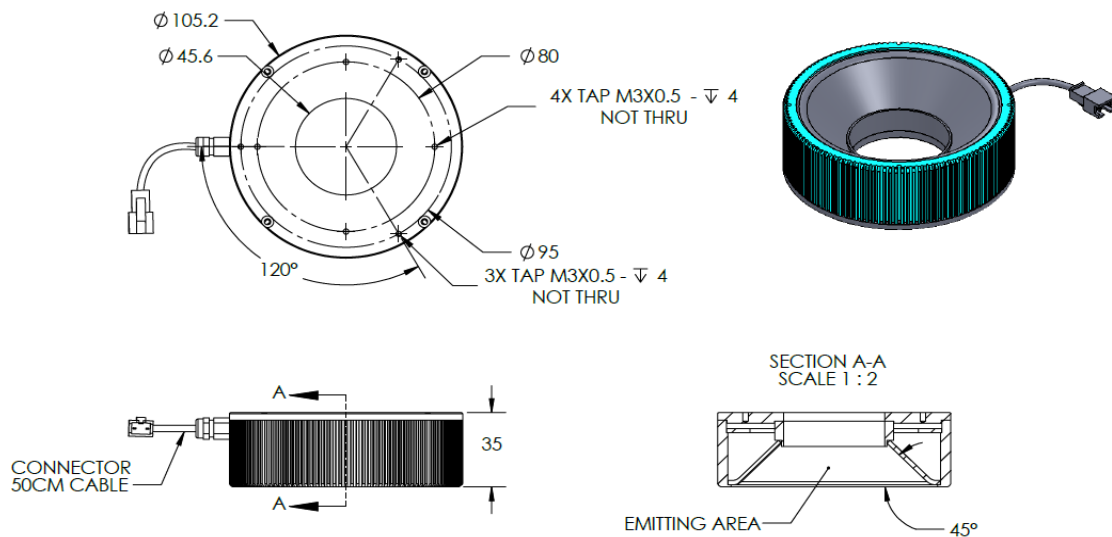




ILLUMINATOR DATA-ID

DLR3-45-100-1-R-24V

Lighting Dimension




| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | 225 g |
| Length / Outer Diameter | 105.2 mm |
| Width / Inner Diameter | 45.6 mm |
| Thickness / Height | 35 mm |



ILLUMINATOR DATA-ID

DLR3-45-100-1-R-24V

| Optical Information | | | | |
|---|--------|--|--------|-------------|
| Part Number | | DLR3-45-100-1-R-24V | | |
| LED Color | | RED | | |
| Wavelength | (nm) | 620 | | |
| Intensity (±15%) | (Lux) | 4970 | 5509 | 4828 |
| Working Distance | (mm) | 5 | 22 | 39 |
| Illumination (number of row) | | 1 | | |
| Illumination Active Area | | | | |
| Active Length / Outer Diameter | (mm) | 93.2 | | |
| Active Width / Inner Diameter | (mm) | 47.6 | | |
| Emission angle | (deg.) | 45 | | |
| Eye Safety Class (IEC62471) | | EXEMPT | | |
| Electrical Information | | | | |
| Lighting Supply Voltage (constant voltage mode) | | 24V ± 2% | | |
| Continuous Current | (mA) | 270 | | |
| Power Consumption | (W) | 6.48 | | |
| Lighting casing temperature, Operating after 60 minutes | °C | 53 | | |
| 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) | 810 | | |
| 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 | | Diffused Illumination | | |
| Application Use | | Character recognition on shining surface, lead inspection | | |



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