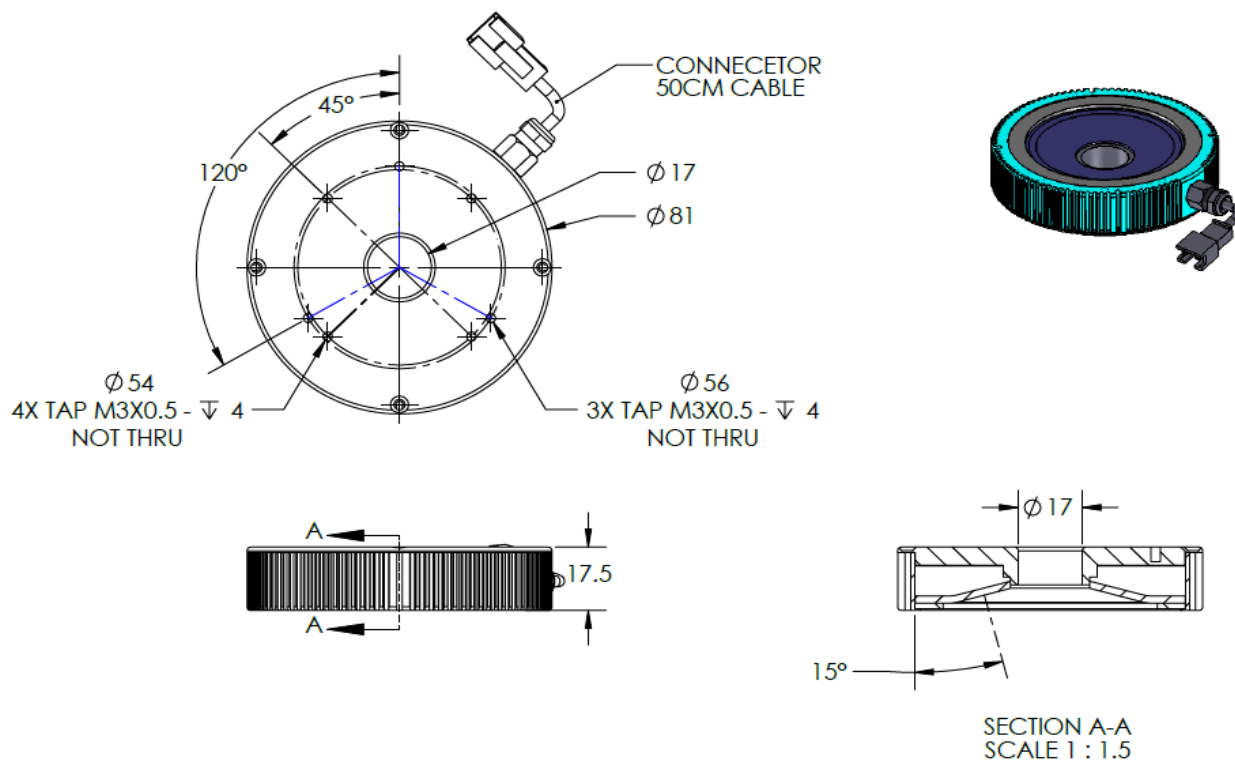




ILLUMINATOR DATA (ID)

DFR4-15-080-1-R-24V


Lighting Dimension



| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | 115 g |
| Length/ Outer Diameter | 81 mm |
| Width/ Inner Diameter | 17 mm |
| Thickness | 17.5 mm |



DFR4-15-080-1-R-24V

| | | | | |
|---|--------|---|--------|-------------|
| Optical Information | | | | |
| Part Number | | DFR4-15-080-1-R-24V | | |
| LED Color | | RED | | |
| Wavelength | (nm) | 650nm (Peak) | | |
| Intensity (±15) | (Lux) | 6972 | 3251 | 1959 |
| Working Distance | (mm) | 34 | 64 | 89 |
| Illumination (number of row) | | 1 | | |
| Illumination Active Area | | | | |
| Active Length / Outer Dia. | (mm) | 71.8 | | |
| Active Width / Inner Dia. | (mm) | 19 | | |
| Emission angle | (deg.) | 15 | | |
| Eye Safety Class (IEC62471) | | EXEMPT | | |
| | | | | |
| Electrical Information | | | | |
| Lighting Supply Voltage (constant voltage mode) | | 24V ± 2% | | |
| Continuous Current | (mA) | 196 | | |
| Power Consumption | (W) | 4.7 | | |
| Lighting casing temperature, Operating after 60 minutes | °C | 57 | | |
| | | | | |
| 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) | 4200 | | |
| 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 series, SD series, ST series & 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 | | Printed character on IC chips, PCB component, printing on caps, and wafer OCR inspection. | | |