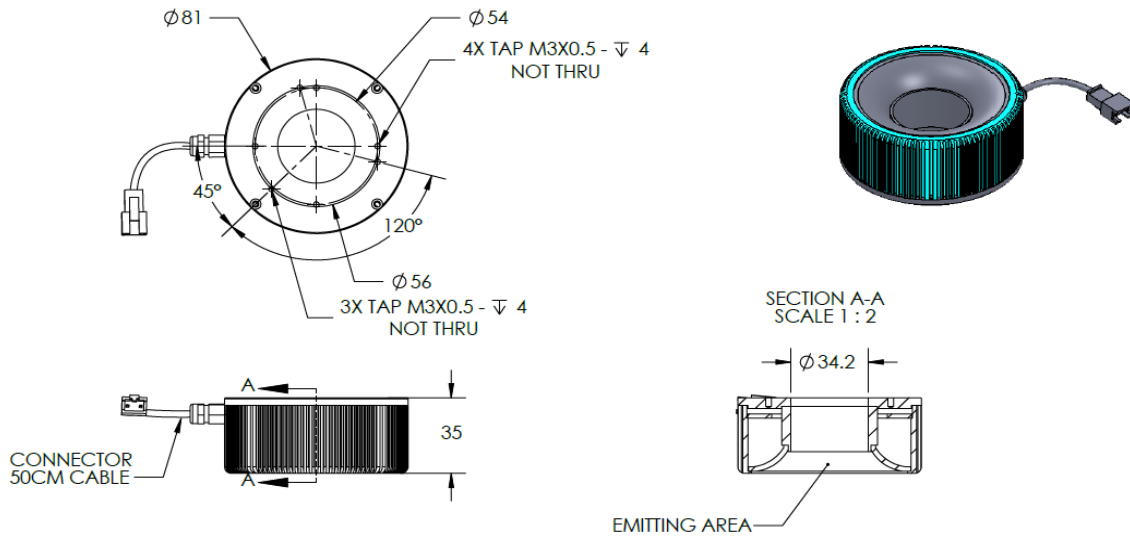




ILLUMINATOR DATA-ID

HPD2-00-080-1-B-24V

Lighting Dimension




| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | 155 g |
| Length / Outer Diameter | 81 mm |
| Width / Inner Diameter | 34.2 mm |
| Thickness / Height | 35 mm |



ILLUMINATOR DATA-ID

HPD2-00-080-1-B-24V

| Optical Information | | | | |
|---|--------|--|--------|-------------|
| Part Number | | HPD2-00-080-1-B-24V | | |
| LED Color | | BLUE | | |
| Wavelength | (nm) | 470 | | |
| Intensity (±15%) | (Lux) | 20746 | 13362 | 3408 |
| Working Distance | (mm) | 15 | 40 | 108 |
| Illumination (number of row) | | 1 | | |
| Illumination Active Area | | | | |
| Active Length / Outer Diameter | (mm) | 69 | | |
| Active Width / Inner Diameter | (mm) | 36.2 | | |
| Emission angle | (deg.) | 0-90 | | |
| Eye Safety Class (IEC62471) | | II | | |
| Electrical Information | | | | |
| Lighting Supply Voltage (constant voltage mode) | | 24V ± 2% | | |
| Continuous Current | (mA) | 180 | | |
| Power Consumption | (W) | 4.32 | | |
| Lighting casing temperature, Operating after 60 minutes | °C | 51 | | |
| 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) | 540 | | |
| 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 | | Indirect Illumination | | |
| Appication Use | | Shining surface and food packaging | | |



ILLUMINATOR DATA-ID

HPD2-00-080-1-B-24V

Uniform Graph (Relative Irradiation Strength) - Representative pattern

| WD | Tolerance | Diameter |
|------|-----------|----------|
| 31mm | 10% | 17mm |
| 31mm | 20% | 32mm |
| 31mm | 30% | 40mm |

