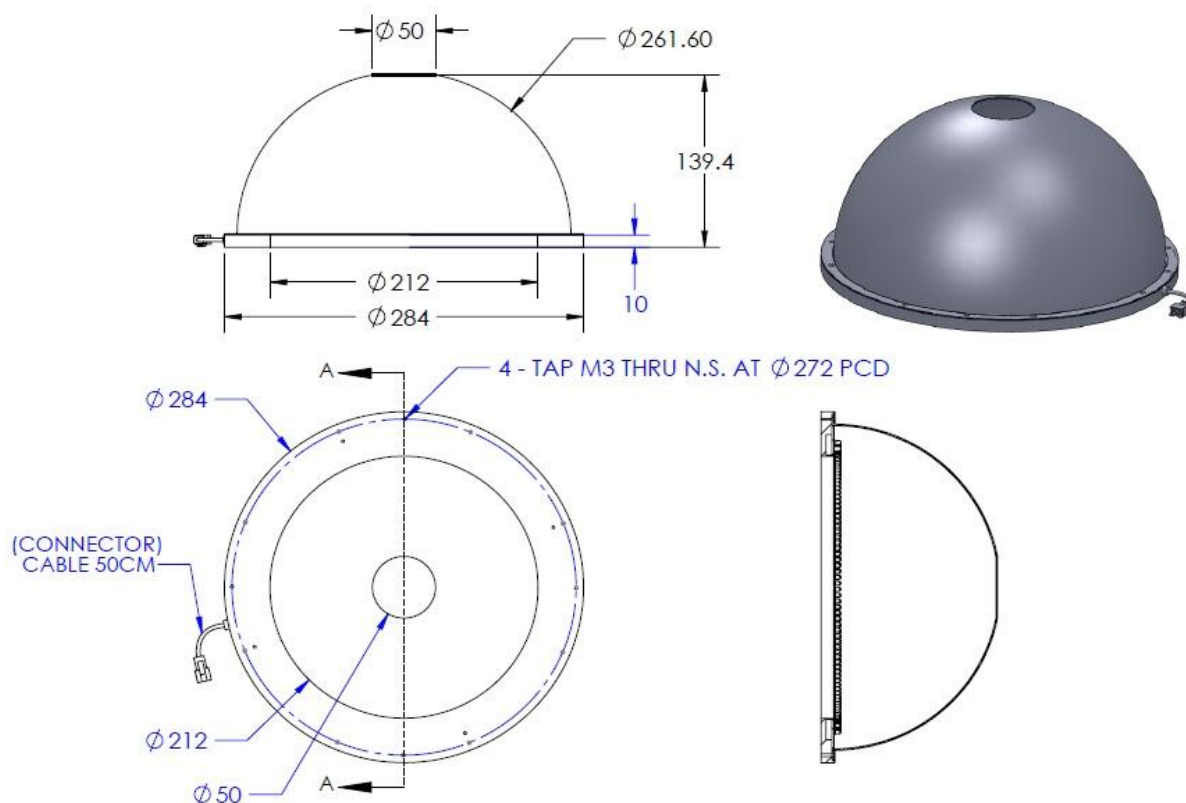




ILLUMINATOR DATA

IDS4-00-250-1-W-24V


Lighting Dimension



| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | - |
| Outer Diameter | 284 |
| Inner Diameter | 50 |
| Thickness | 139.4 |



IDS4-00-250-1-W-24V

| Optical Information | | | | | | | | | |
|---|--------------|---|--------|-------|-------------|-------|-------|-------|-------|
| Part Number | | IDS4-00-250-1-W-24V | | | | | | | |
| LED Color | | WHITE | | | | | | | |
| Wavelength | (nm) | *Refer to the Chromaticity Table below | | | | | | | |
| Intensity | (Lux) | 13010 | | 10140 | | 8530 | | | |
| Working Distance | (mm) | 50 | | 80 | | 100 | | | |
| Illumination (number of row) | | 1 | | | | | | | |
| Illumination Active Area | | | | | | | | | |
| Active Inner Diameter | (mm) | 50 | | | | | | | |
| Active Outer Diameter | (mm) | 212 | | | | | | | |
| Emission angle | (deg.) | 0 | | | | | | | |
| Eye Safety Class | | II | | | | | | | |
| *CHROMATICITY TABLE | | | | | | | | | |
| X | 0.296 | 0.287 | 0.307 | 0.311 | X | 0.311 | 0.307 | 0.33 | 0.33 |
| Y | 0.276 | 0.295 | 0.315 | 0.294 | Y | 0.294 | 0.315 | 0.339 | 0.318 |
| Electrical Information | | | | | | | | | |
| Lighting Supply Voltage (constant voltage mode) | | 24V ± 2% | | | | | | | |
| Continuous Current | (mA) | 520 | | | | | | | |
| Power Consumption | (W) | 12.48 | | | | | | | |
| LED temperature, after 60 minutes | Operating °C | 53.6 | | | | | | | |
| Lighting casing temperature, Operating after 60 minutes | °C | - | | | | | | | |
| | | | | | | | | | |
| 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) | 1560 | | | | | | | |
| 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) | 50 - 100 | | | | | | | |