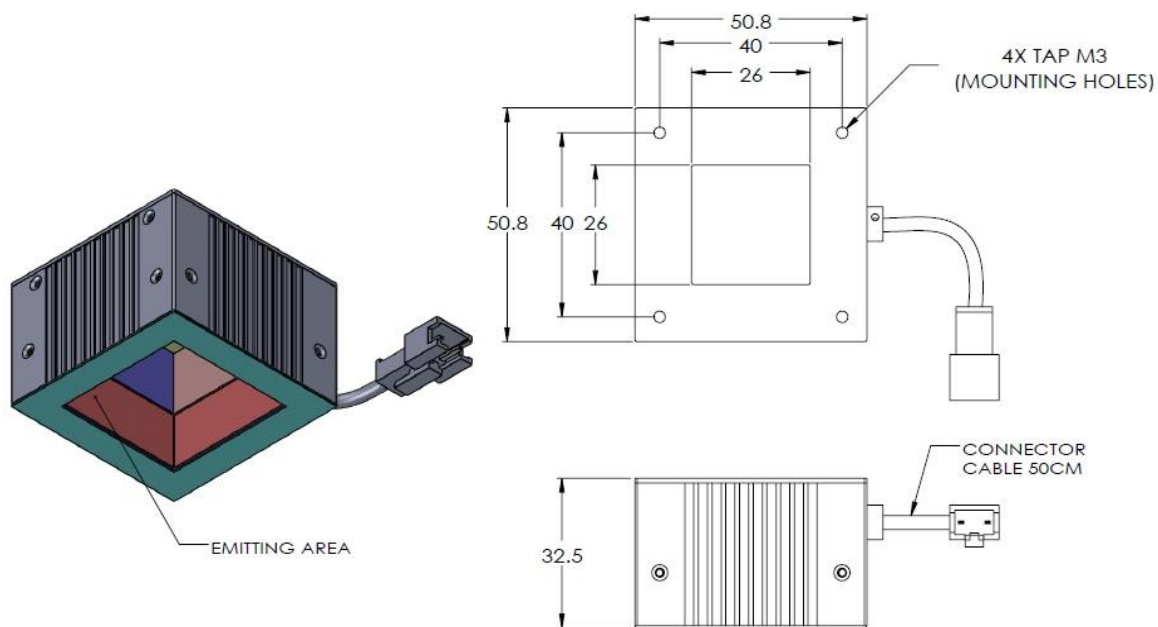




ILLUMINATOR DATA-ID

DLF2-90-050-1-W-24V

Lighting Dimension




| Mechanical Information | |
|---------------------------|------------------------------|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | 90 g |
| Length / Outer Diameter | 50.8 |
| Width / Inner Diameter | 26 |
| Thickness / Height | 32.5 |



ILLUMINATOR DATA-ID

DLF2-90-050-1-W-24V

| Optical Information | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|---|--------|-------------|--|---|-------|-------|-------|-------|--|---|-------|-------|------|------|---|-------|-------|-------|-------|--|---|-------|-------|-------|-------|
| Part Number | | DLF2-90-050-1-W-24V | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED Color | | WHITE | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wavelength | (nm) | *Refer to the Chromaticity Table below | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intensity (±15%) | (Lux) | 12000 | 9490 | 7320 | | | | | | | | | | | | | | | | | | | | | | | |
| Working Distance | (mm) | 10 | 15 | 20 | | | | | | | | | | | | | | | | | | | | | | | |
| Illumination (number of row) | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Illumination Active Area | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Active Length / Outer Diameter | (mm) | 48.2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Active Width / Inner Diameter | (mm) | 26 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emission angle | (deg.) | 90 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye Safety Class (IEC62471) | | EXEMPT | | | | | | | | | | | | | | | | | | | | | | | | | |
| *CHROMATICITY TABLE | | <table border="1"> <tr> <td>X</td> <td>0.296</td> <td>0.287</td> <td>0.307</td> <td>0.311</td> <td></td> <td>X</td> <td>0.311</td> <td>0.307</td> <td>0.33</td> <td>0.33</td> </tr> <tr> <td>Y</td> <td>0.276</td> <td>0.295</td> <td>0.315</td> <td>0.294</td> <td></td> <td>Y</td> <td>0.294</td> <td>0.315</td> <td>0.339</td> <td>0.318</td> </tr> </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 |
| 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) | 80 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Consumption | (W) | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lighting casing temperature, Operating after 60 minutes | °C | 52.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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) | 240 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Appication Use | | BGA ball inspection and QFP lead inspection | | | | | | | | | | | | | | | | | | | | | | | | | |