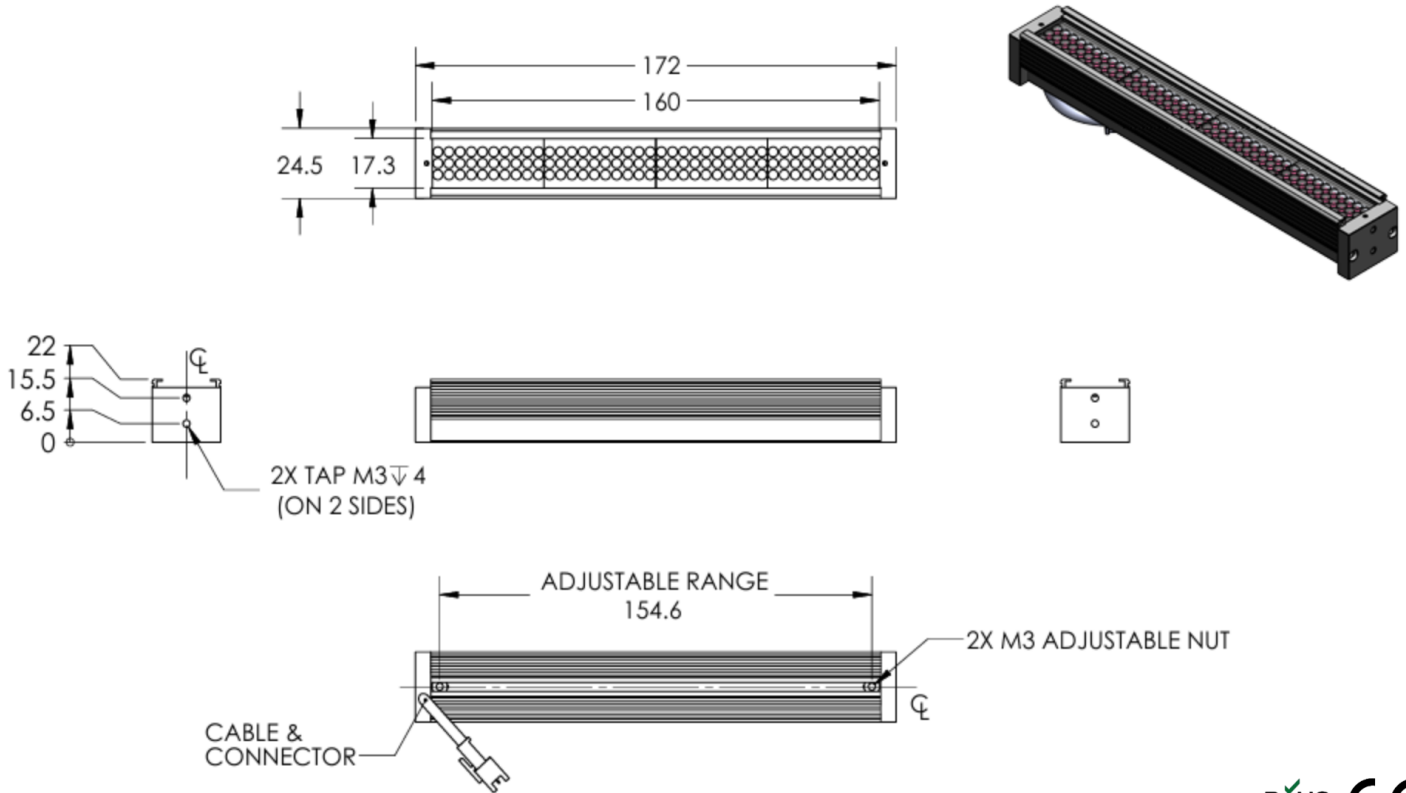


# ILLUMINATOR DATA

## LTZPFL160-00-3-B-24V

### Lighting Dimension

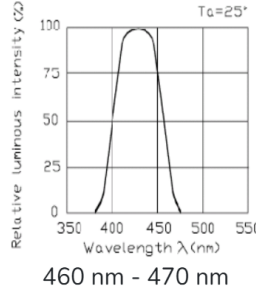


### Mechanical Information

|                           |                               |
|---------------------------|-------------------------------|
| Casing Material           | Aluminum Extrusion, Aluminium |
| Storage Temperature Range | 0 - 45°C                      |
| Storage Humidity Range    | 20 - 85%                      |
| Weight                    | 115g                          |
| Width / Inner Diameter    | 24.5mm                        |
| Length / Outer Diameter   | 172mm                         |
| Height / Thickness        | 22mm                          |

# ILLUMINATOR DATA

## LTZPFL160-00-3-B-24V

| Lighting Information                        |   |         |         |
|---|---|---------|---------|
| LED Color                                   | BLUE  |         |         |
| Wavelength                                  | <div></div>   |         |         |
| Working Distance                            | 80mm  | 90mm    | 100mm   |
| Intensity (±15%)                            | 14000lx   | 12300lx | 10900lx |
| Illumination (Number of Row)                | 3   |         |         |
| Illumination Active Area                    | Active Outer Diameter   | 160     |         |
|   | Active Inner Diameter   | 17.3    |         |
| Emission Angle                              | 0°  |         |         |
| Eye Safety Class (IEC62471)                 | EXEMPT<br>Products with sources, which do not pose any potential photobiological hazard even for the continuous and unrestricted exposure. Example: 8 hours of exposure poses no acute hazard to either eye or skin, and 10,000 seconds (2.8 hours) of the intent starting causes no blue light retinal hazard. |         |         |
| Chromaticity Table<br>For White Colour Only |   |         |         |

| Electrical Information                            |   |
|---|---|
| Rated Voltage                                     | 24V <sub>(Min)</sub> - 24V <sub>(Max)</sub> |
| Rated Current                                     | 168mA                                       |
| Power Consumption                                 | 4.032W                                      |
| Casing Temperature,<br>After 60 minutes operation | 60°C  |


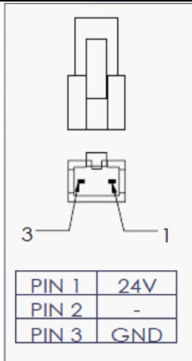
| Strobe Mode Specification     |            |            |
|-------------------------------|------------|------------|
| *Normal Strobe Voltage        | 24V        |            |
| *Normal Strobe Current        | 168mA      |            |
| Overdrive Voltage Range       | Min: 36V   | Max: 48V   |
| Overdrive Current Range       | Min: 360mA | Max: 552mA |
| Recommended Overdrive Voltage | 36V        |            |
| **Max. Trigger Pulse Duration | 10%        |            |
| **Max. Duty Cycle             | 10msec     |            |

\*Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.

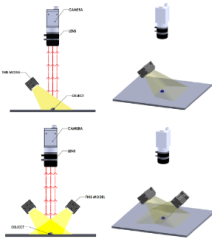
\*\*Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle.

# ILLUMINATOR DATA

## LTZPFL160-00-3-B-24V

| Connection Information  |  |        |               |
|---|--|--------|---------------|
| Connector Type  | JST SMR-03V-B  |        |               |
| Cable Length  | 500mm  |        |               |
| Pin Configuration<br> | Pin  | Signal | Cable Color   |
|   | 1  | 24V    | RED           |
|   | 2  | -      | -             |
|   | 3  | GND    | WHITE / BLACK |
|   |  |        |               |

| Additional Information         |  |
|--------------------------------|--|
| Additional Cooling Method      | Attached to machine part for better heat dissipation |
| Intensity Controller Selection | LTIC series  |
| CE Conformity                  | YES  |
| RoHS Compliance                | YES  |

| Application       |  |
|-------------------|--|
| Illumination Type | Direct, Rectangular SMD Illumination (for short working distance)  |
| Application Use   | <ul style="list-style-type: none"> <li>• General Illumination</li> <li>• Code Recognition</li> <li>• Character Inspection</li> <li>• Label Inspection</li> </ul>  |

# ILLUMINATOR DATA

## LTZPFL160-00-3-B-24V

| Lighting Pattern  |  |            |          |            |
|-------------------|--|------------|----------|------------|
| Working Distance  | For further details, please contact us |            |          |            |
| Display and Image | For further details, please contact us |            |          |            |
| Data Results      | Horizontal                             | Meas. (mm) | Vertical | Meas. (mm) |
|                   | 90%                                    | N.A.       | 90%      | N.A.       |
|                   | 90%                                    | N.A.       | 90%      | N.A.       |
|                   | 80%                                    | N.A.       | 80%      | N.A.       |
|                   | 70%                                    | N.A.       | 70%      | N.A.       |
|                   | 60%                                    | N.A.       | 60%      | N.A.       |
|                   | 50%                                    | N.A.       | 50%      | N.A.       |
|                   | 40%                                    | N.A.       | 40%      | N.A.       |
|                   | 30%                                    | N.A.       | 30%      | N.A.       |
|                   | 20%                                    | N.A.       | 20%      | N.A.       |
|                   | 10%                                    | N.A.       | 10%      | N.A.       |