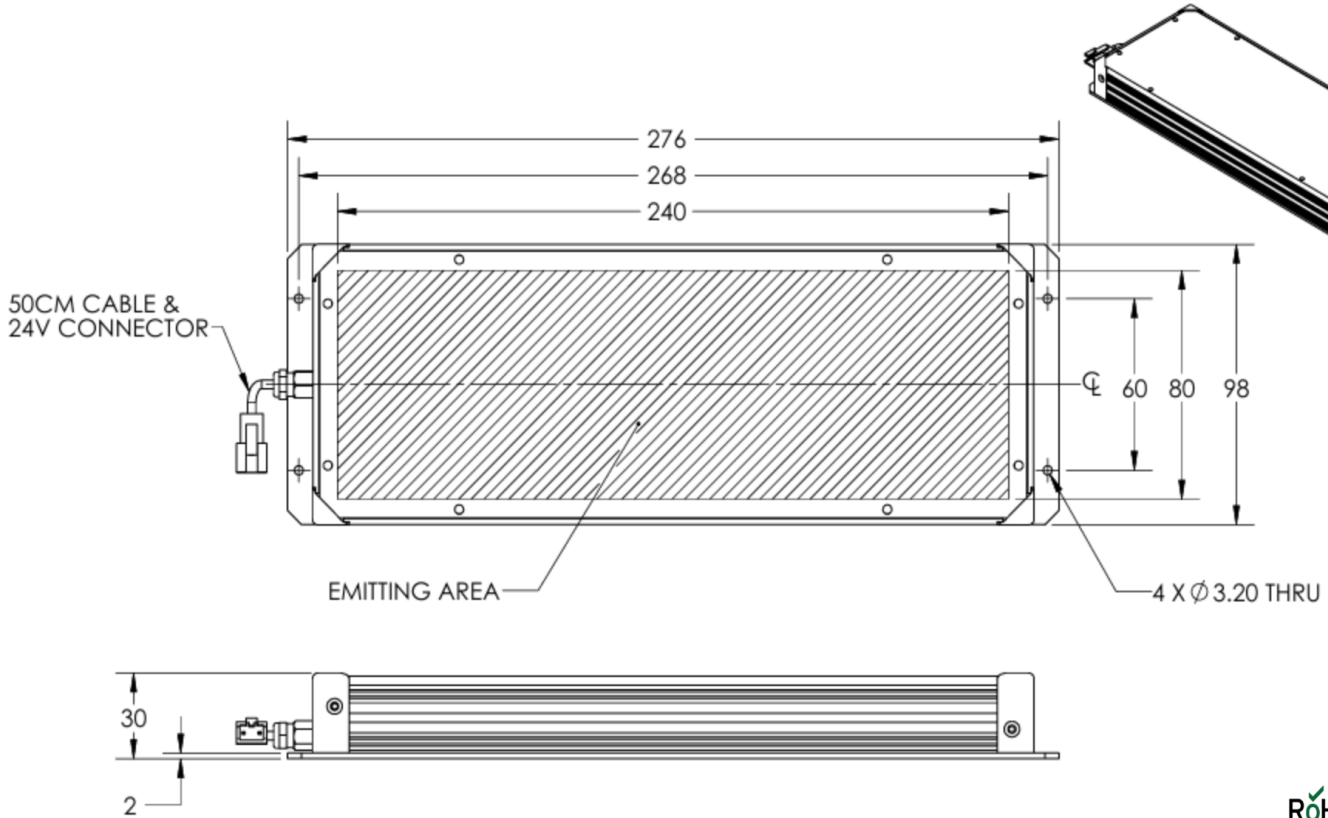


# ILLUMINATOR DATA

## LT3PVZL80X240-00-X-B-24V

### Lighting Dimension

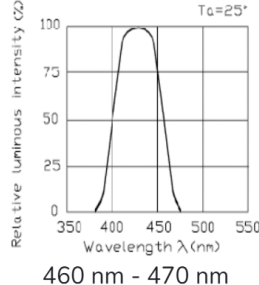


### Mechanical Information

|                           |                      |
|---------------------------|----------------------|
| Casing Material           | Aluminium, Extrusion |
| Storage Temperature Range | 0 - 45°C             |
| Storage Humidity Range    | 20 - 85%             |
| Weight                    | 550g                 |
| Width / Inner Diameter    | 98mm                 |
| Length / Outer Diameter   | 276mm                |
| Height / Thickness        | 30mm                 |

# ILLUMINATOR DATA

## LT3PVZL80X240-00-X-B-24V

| Lighting Information                        |                                                                                                                                                                                                                                                                                                                 |      |      |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|
| LED Color                                   | BLUE                                                                                                                                                                                                                                                                                                            |      |      |
| Wavelength                                  | <div></div>                                                                                                                                                                                                                   |      |      |
| Working Distance                            | 10mm                                                                                                                                                                                                                                                                                                            | 20mm | 30mm |
| Intensity (±15%)                            | 0lx                                                                                                                                                                                                                                                                                                             | 0lx  | 0lx  |
| Illumination (Number of Row)                | 0                                                                                                                                                                                                                                                                                                               |      |      |
| Illumination Active Area                    | Active Outer Diameter                                                                                                                                                                                                                                                                                           | 240  |      |
|                                             | Active Inner Diameter                                                                                                                                                                                                                                                                                           | 80   |      |
| 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                                     | 540mA                                       |
| Power Consumption                                 | 12.960W                                     |
| Casing Temperature,<br>After 60 minutes operation | 60°C                                        |

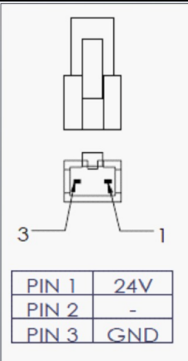
| Strobe Mode Specification     |             |             |
|-------------------------------|-------------|-------------|
| *Normal Strobe Voltage        | 24V         |             |
| *Normal Strobe Current        | 540mA       |             |
| Overdrive Voltage Range       | Min: 36V    | Max: 48V    |
| Overdrive Current Range       | Min: 1619mA | Max: 2699mA |
| 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.

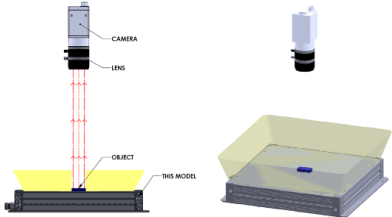
\*\*Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle.

# ILLUMINATOR DATA

## LT3PVZL80X240-00-X-B-24V

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

| 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 | Backlight Illumination                                                                                                                                                                                                                             |
| Application Use   | <ul style="list-style-type: none"> <li>• Edge Detection</li> <li>• Lead Frame Inspection</li> <li>• Shape Recognition</li> <li>• Size Measurement</li> </ul>  |

# ILLUMINATOR DATA

## LT3PVZL80X240-00-X-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.       |