# ILLUMINATOR DATA-ID

## LBRX-00-080-3-W-12V

**Lighting Dimension**
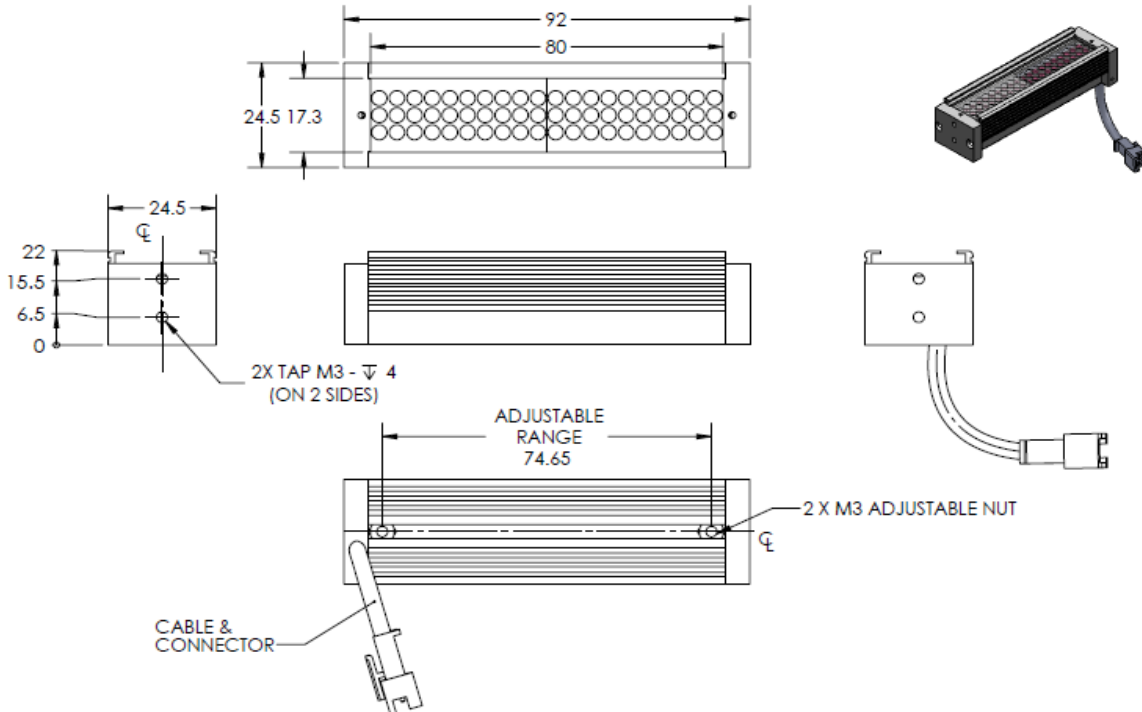


| Mechanical Information | |
|---|---|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | 70 g |
| Length / Outer Diameter | 92 mm |
| Width / Inner Diameter | 24.5 mm |
| Thickness | 22 mm |

# LBRX-00-080-3-W-12V

| Optical Information | | | | |
|---|---|---|---|---|
| Part Number | | LBRX-00-080-3-W-12V | | |
| LED Color | | WHITE | | |
| Wavelength | (nm) | * Refer to the Chromaticity table below | | |
| Intensity | (Lux) | 15700 | 13500 | 11700 |
| Working Distance | (mm) | 80 | 90 | 100 |
| Illumination (number of row) | | 3 | | |
| Illumination Active Area | | | | |
| Active Length / Outer Dia. | (mm) | 80 | | |
| Active Width / Inner Dia. | (mm) | 17.3 | | |
| Emission angle | (deg.) | 0 | | |
| Eye Safety Class | | EXEMPT | | |

**\*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) | | 12V ± 2% |
| Continuous Current | (mA) | 200 |
| Power Consumption | (W) | 2.4 |
| Lighting casing temperature, Operating after 60 minutes | °C | 49.3 |

| Strobe Mode Specification | | |
|---|---|---|
| Pulse Operation | | YES |
| Max. Lighting Supply Voltage (Constant voltage power supply) | (V) | Pulsing at 12VDC to 24VDC, 0-10% Duty Cycle Recommended at 18VDC |
| Pulse Current, (Max. 10msec) (Constant current power supply) | (mA) | 600 |
| 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, SD, ST and SDA Series |
| CE Conformity | | YES |
| RoHS Compliance | | YES |

| Connection | | | | |
|---|---|---|---|---|
| Connector Type (Default): | | JST SMR-02V | | |
| Cable Length out from lighting : | (mm) | 500 | | |
| Pin Configuration : | | Pin | Signal | Cable Color |
| | | 1 | LED + | RED |
| | | 2 | LED - | WHITE |



| Application | |
|---|---|
| Illumination Type | Direct Illumination |
| Application Use | General illumination, label inspection, character inspection, code recognition |

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Natascha Overhof

Christian Crompvoets

**VISION** CONSULTANCY

Robert Schumandomein 2
6229 ES Maastricht
The Netherlands

+31 (0) 438 522 651

sales@vision-consultancy.nl
www.machine-vision-shop.com

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