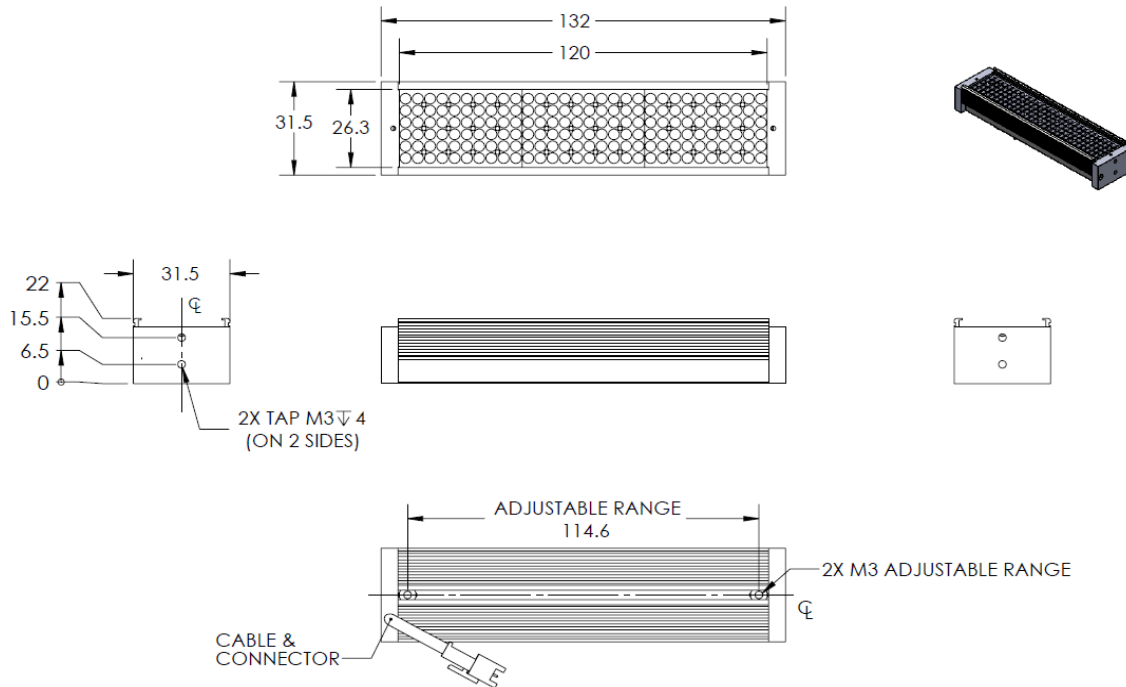




# ILLUMINATOR DATA-ID

**LBRX-00-120-6-IR850-24V**

## Lighting Dimension




| Mechanical Information    |                              |
|---------------------------|------------------------------|
| Casing Material           | Aluminium                    |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight                    | 130                          |
| Length / Outer Diameter   | 132                          |
| Width / Inner Diameter    | 31.5                         |
| Thickness / Height        | 22                           |



# ILLUMINATOR DATA-ID

## LBRX-00-120-6-IR850-24V

|                                                                                      |        |                                                                                  |             |
|--------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------|-------------|
| <b>Optical Information</b>                                                           |        |                                                                                  |             |
| Part Number                                                                          |        | LBRX-00-120-6-IR850-24V                                                          |             |
| LED Color                                                                            |        | IR                                                                               |             |
| Wavelength                                                                           | (nm)   | 850                                                                              |             |
| Intensity (±15%)                                                                     | (Lux)  | NA                                                                               |             |
| Working Distance                                                                     | (mm)   | NA                                                                               |             |
| Illumination (number of row)                                                         |        | 6                                                                                |             |
| Illumination Active Area                                                             |        |                                                                                  |             |
| Active Length / Outer Diameter                                                       | (mm)   | 120                                                                              |             |
| Active Width / Inner Diameter                                                        | (mm)   | 26.3                                                                             |             |
| Emission angle                                                                       | (deg.) | 0                                                                                |             |
| Eye Safety Class ( IEC62471 )                                                        |        | EXEMPT                                                                           |             |
|                                                                                      |        |                                                                                  |             |
| <b>Electrical Information</b>                                                        |        |                                                                                  |             |
| Lighting Supply Voltage<br>(constant voltage mode)                                   |        | 24V ± 2%                                                                         |             |
| Continuous Current                                                                   | (mA)   | 216                                                                              |             |
| Power Consumption                                                                    | (W)    | 5.18                                                                             |             |
| Lighting casing temperature,<br>Operating after 60 minutes                           | °C     | TBA                                                                              |             |
|                                                                                      |        |                                                                                  |             |
| <b>Strobe Mode Specification</b>                                                     |        |                                                                                  |             |
| Pulse Operation                                                                      |        | YES                                                                              |             |
| Max. Lighting Supply Voltage<br>(Constant voltage power supply)                      | (V)    | Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle<br>Recommended at 36VDC              |             |
| Pulse Current, (Max. 10msec)<br>(Constant current power supply)                      | (mA)   | 648                                                                              |             |
| Max. Trigger Pulse Duration                                                          | (msec) | 10                                                                               |             |
| Duty Cycle                                                                           |        | 0-10%                                                                            |             |
|                                                                                      |        |                                                                                  |             |
| <b>Additional Information</b>                                                        |        |                                                                                  |             |
| 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                                                                              |             |
|                                                                                      |        |                                                                                  |             |
| <b>Connection</b>                                                                    |        |                                                                                  |             |
| Connector Type (Default):                                                            |        | JST SMR-03V                                                                      |             |
| Cable Length out from lighting :                                                     | (mm)   | 500                                                                              |             |
| Pin Configuration :                                                                  |        | Pin                                                                              | Signal      |
|                                                                                      |        | 1                                                                                | LED +       |
|                                                                                      |        | 2                                                                                | N.C.        |
|                                                                                      |        | 3                                                                                | LED -       |
|                                                                                      |        |                                                                                  | Cable Color |
|                                                                                      |        |                                                                                  | RED         |
|                                                                                      |        |                                                                                  | ---         |
|                                                                                      |        |                                                                                  | WHITE       |
|  |        |                                                                                  |             |
|                                                                                      |        |                                                                                  |             |
| <b>Application</b>                                                                   |        |                                                                                  |             |
| Illumination Type                                                                    |        | IR Illumination                                                                  |             |
| Application Use                                                                      |        | General illumination, label inspection, character illumination, code recognition |             |