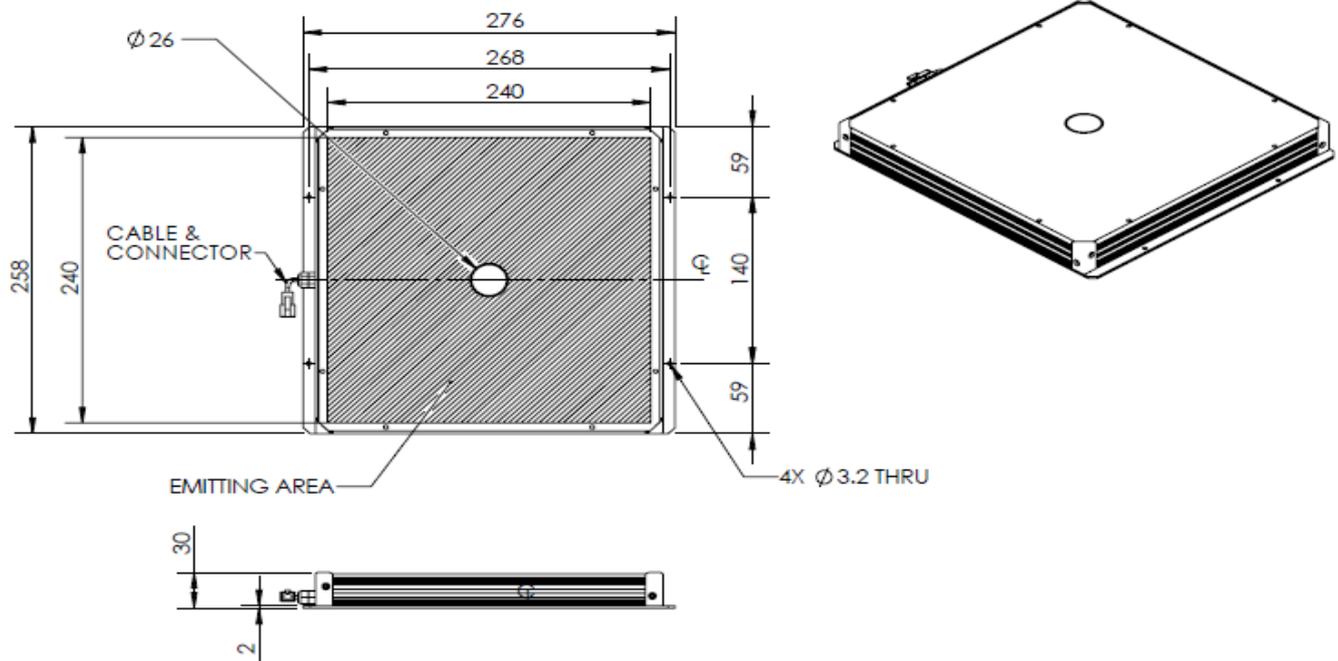




# ILLUMINATOR DATA

## BHLQ-00-240X240-X-R-24V

### Lighting Dimension



| Mechanical Information    |                                |
|---------------------------|--------------------------------|
| Casing Material           | Aluminium                      |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85%   |
| Weight                    | 1500 g                         |
| Length                    | 276 mm X 258 mm                |
| Width                     | 240 mm X 240 mm WITH $\phi 26$ |
| Thickness                 | 30 mm                          |

# BHLQ-00-240X240-X-R-24V

| Optical Information  |  |   |                    |             |
|--|--|---|--------------------|-------------|
| Part Number  | BHLQ-00-240X240-X-R-24V                              |   |                    |             |
| LED Color  | RED  |   |                    |             |
| Wavelength   | (nm)   | 630   |                    |             |
| Intensity ( $\pm 15\%$ )   | (Lux)  | 10181.4   | 9599.2      8761.4 |             |
| Working Distance   | (mm)   | 70  | 85      100        |             |
| Illumination (number of row)   | X  |   |                    |             |
| Illumination Active Area   |  |   |                    |             |
| Active Width   | (mm)   | 26  |                    |             |
| Active Length  | (mm)   | 240 X 240   |                    |             |
| Emission angle   | (deg.)   | 0   |                    |             |
| Eye Safety Class ( IEC62471 )  | EXEMPT   |   |                    |             |
| Electrical Information   |  |   |                    |             |
| Lighting Supply Voltage (constant voltage mode)                                      | (constant voltage mode)                              | 24V $\pm$ 2%  |                    |             |
| Continuous Current   | (mA)   | 1200  |                    |             |
| Power Consumption  | (W)  | 28.8  |                    |             |
| Lighting casing temperature, after 60 minutes  | Operating °C   | 59  |                    |             |
| Max.continuous current of Red,Green & Blue Leds on at a same time (RGB color)        | °C   | RED, GREEN & BLUE LEDs on at a same time are not recommended        |                    |             |
| Strobe Mode Specification  |  |   |                    |             |
| Pulse Operation  | YES  |   |                    |             |
| Max. Lighting Supply Voltage (Constant voltage power supply)                         | (V)  | Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle<br>Recommended at 36VDC |                    |             |
| Pulse Current, (Max. 10msec) (Constant current power supply)                         | (mA)   | 3600  |                    |             |
| Max. Trigger Pulse Duration  | (msec)   | 10  |                    |             |
| Duty Cycle   | 0-10%  |   |                    |             |
| Additional Information   |  |   |                    |             |
| Additional Cooling Method  | Attached to machine part for better heat dissipation |   |                    |             |
| Life span in continuous mode   | 20,000 hours (drop to 50% intensity) at 25°C         |   |                    |             |
| Life span in strobe mode   | Est. >50,000 hours (drop to 50% intensity) at 25°C   |   |                    |             |
| Intensity Controller Selection   | ANG-Series, LC-Series, STB-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  |  |   |                    |             |
| Optimal Working Distance   | (mm)   | 70-100  |                    |             |



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**VISION CONSULTANCY**

Robert Schumandomein 2  
6229 ES Maastricht  
The Netherlands

+31 (0) 438 522 651

[sales@vision-consultancy.nl](mailto:sales@vision-consultancy.nl)  
[www.machine-vision-shop.com](http://www.machine-vision-shop.com)

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