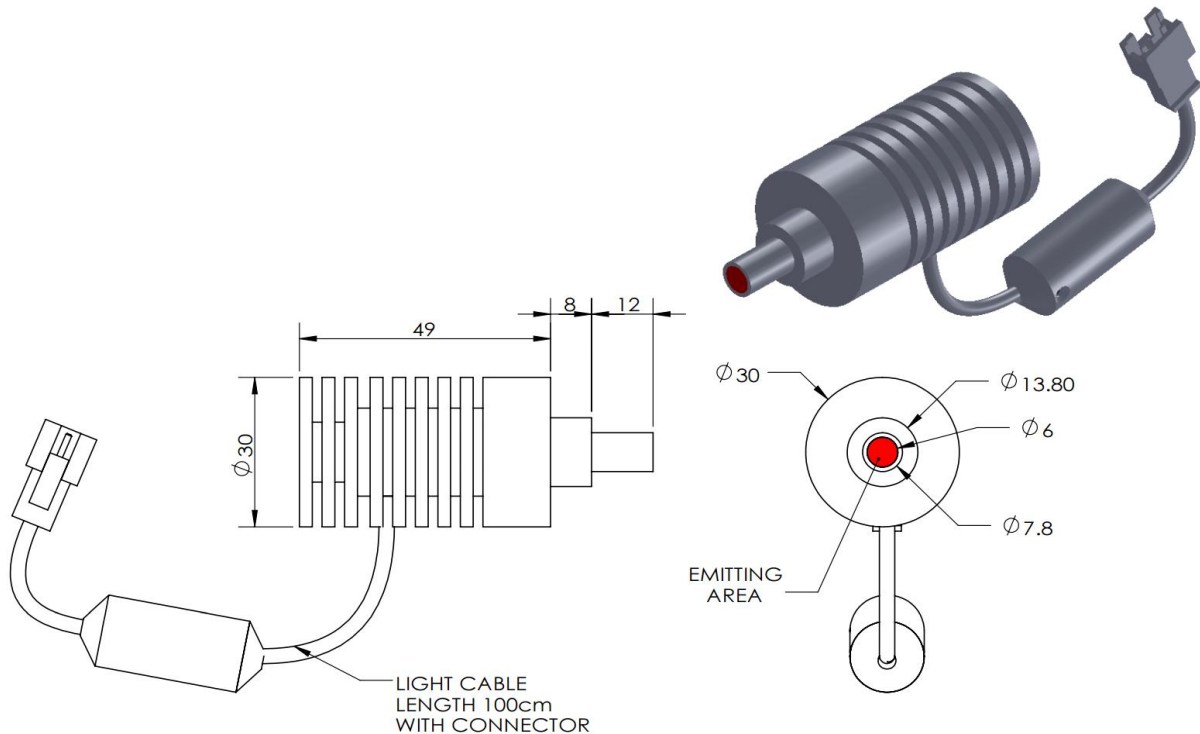




# ILLUMINATOR DATA-ID

**HBF-00-08-1-G-5V**

## Lighting Dimension




| Mechanical Information    |                                |
|---------------------------|--------------------------------|
| Casing Material           | Aluminium                      |
| Storage Temperature Range | Temp 0 - 45°C, Humidity 20-85% |
| Weight                    | 100 g                          |
| Length / Outer Diameter   | 30 mm                          |
| Width / Inner Diameter    | 6 mm                           |
| Thickness / Height        | 69 mm                          |



# ILLUMINATOR DATA-ID

## HBF-00-08-1-G-5V

|   |        |  |        |             |
|---|--------|--|--------|-------------|
| <b>Optical Information</b>                                      |        |  |        |             |
| Part Number   |        | HBF-00-08-1-G-5V   |        |             |
| LED Color   |        | GREEN  |        |             |
| Wavelength  | (nm)   | 525  |        |             |
| Intensity (±15%)  | (Lux)  | 25400  | 18100  | 13500       |
| Working Distance  | (mm)   | 50   | 60     | 70          |
| Illumination (number of row)                                    |        | 1  |        |             |
| Illumination Active Area  |        |  |        |             |
| Active Length / Outer Diameter                                  | (mm)   | 6  |        |             |
| Active Width / Inner Diameter                                   | (mm)   | -  |        |             |
| Emission angle  | (deg.) | 0  |        |             |
| Eye Safety Class ( IEC62471 )                                   |        | EXEMPT   |        |             |
|   |        |  |        |             |
| <b>Electrical Information</b>                                   |        |  |        |             |
| Lighting Supply Voltage<br>(constant voltage mode)              |        | 5V ± 2%  |        |             |
| Continuous Current  | (mA)   | 600  |        |             |
| Power Consumption   | (W)    | 14.38  |        |             |
| Lighting casing temperature,<br>Operating after 60 minutes      | °C     | 44.6   |        |             |
|   |        |  |        |             |
| <b>Strobe Mode Specification</b>                                |        |  |        |             |
| Pulse Operation   |        | YES  |        |             |
| Max. Lighting Supply Voltage<br>(Constant voltage power supply) | (V)    | Pulsing at 5VDC to 10VDC, 0-10% Duty Cycle, Recommended at 8VDC                      |        |             |
| Pulse Current, (Max. 10msec)<br>(Constant current power supply) | (mA)   | 1800   |        |             |
| 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 | Cable Color |
|   |        | 1  | N.C.   | ---         |
|   |        | 2  | LED +  | RED         |
|   |        | 3  | LED -  | WHITE       |
|   |        |  |        |             |
|   |        |  |        |             |
| <b>Application</b>  |        |  |        |             |
| Illumination Type   |        | Spot Light Illumination  |        |             |
| Application Use   |        | Use in macro Lenses inspection, spot light   |        |             |