**TMS** LITE

# HBFS-00-08-1-W-5V

**Lighting Dimension**



RESISTOR BOX

LIGHT CABLE
LENGTH 100cm
WITH CONNECTOR

∅6.0 EMITTING AREA

∅8

RoHS COMPLIANT  CE

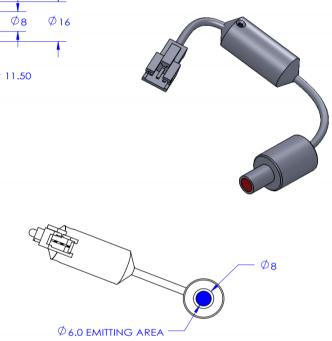| Mechanical Information | |
|---|---|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0 - 45°C, Humidity 20-85% |
| Weight | 45 g |
| Length / Outer Diameter | 16 mm |
| Width / Inner Diameter | - |
| Thickness / Height | 32 mm |

# ILLUMINATOR DATA-ID

## HBFS-00-08-1-W-5V

| Optical Information | | |
|---|---|---|
| Part Number | | HBFS-00-08-1-W-5V |
| LED Color | | WHITE |
| Wavelength | (nm) | * Refer to the Chromaticity Table Below |
| Intensity (±15%) | (Lux) | TBA |
| Working Distance | (mm) | TBA |
| 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 |

**Intensity / Working Distance** three columns: TBA, TBA, TBA

**\*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) | | 5V ± 2% |
| Continuous Current | (mA) | 110 |
| Power Consumption | (W) | 2.64 |
| Lighting casing temperature, Operating after 60 minutes | °C | TBA |

| Strobe Mode Specification | | |
|---|---|---|
| Pulse Operation | | YES |
| Max. Lighting Supply Voltage (Constant voltage power supply) | (V) | Pulsing at 5VDC to 10VDC, 0-10% Duty Cycle, Recommended at 8VDC |
| Pulse Current, (Max. 10msec) (Constant current power supply) | (mA) | 330 |
| 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, ST, SD and SDA 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 | N.C. | --- |
| | 2 | LED + | RED |
| | 3 | LED - | WHITE |



| Application | |
|---|---|
| Illumination Type | Spot Light Illumination |
| Applicattion Use | Use in macro Lenses inspection, spot light |

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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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