# HPD-00-240-1-RGBW-24V

**Lighting Dimension**
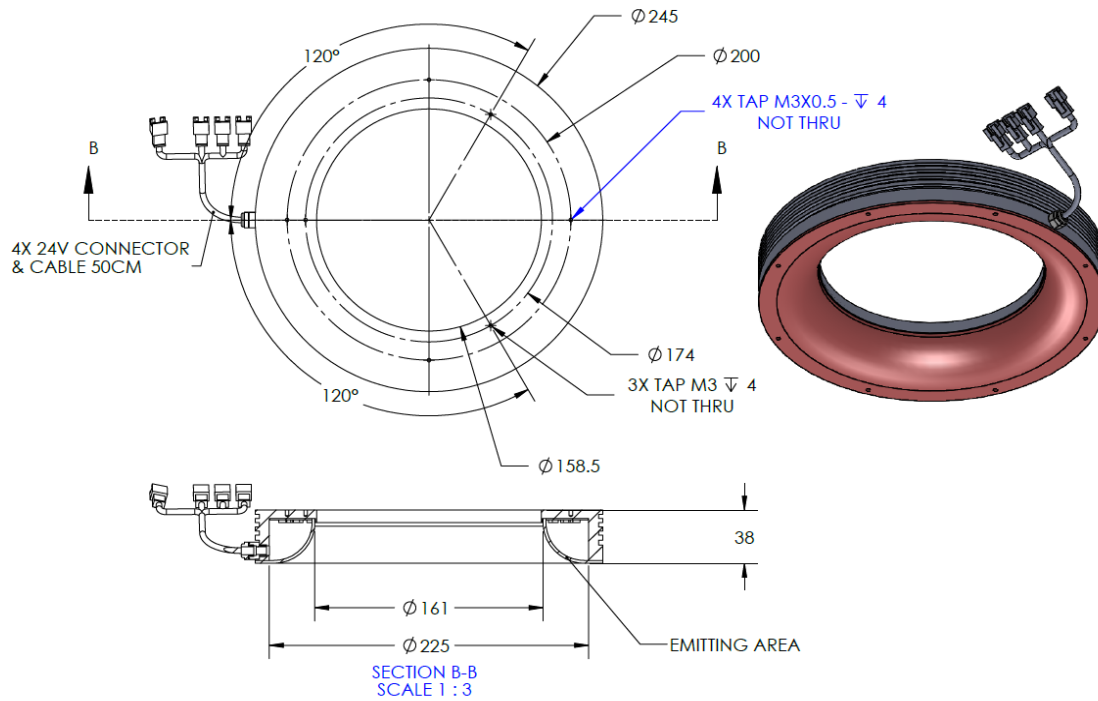


| Mechanical Information | |
|---|---|
| Casing Material | Aluminium |
| Storage Temperature Range | Temp 0-45°C, Humidity 20-85% |
| Weight | 1180 g |
| Length / Outer Diameter | 245 mm |
| Width / Inner Diameter | 158.5 mm |
| Thickness / Height | 38 mm |

# HPD-00-240-1-RGBW-24V

| Optical Information | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Part Number | | HPD-00-240-1-RGBW-24V | | | | | | | | | | |
| LED Color | | RED | | | GREEN | | | BLUE | | | WHITE | | |
| Wavelength | (nm) | 630 | | | 525 | | | 470 | | | Refer to the chromaticity table | | |
| Intensity (±15) | (Lux) | 2530 | 2100 | 2040 | 4950 | 5080 | 6310 | 7110 | 7010 | 6250 | 4730 | 4580 | 4150 |
| Working Distance | (mm) | 54 | 64 | 74 | 54 | 64 | 74 | 54 | 64 | 74 | 54 | 64 | 74 |
| Illumination (number of row) | | 1 | | | | | | | | | | | |
| Illumination Active Area | | | | | | | | | | | | | |
| Active Length / Outer Dia. | (mm) | 225 | | | | | | | | | | | |
| Active Width / Inner Dia. | (mm) | 158.5 | | | | | | | | | | | |
| Emission angle | (deg.) | 0 | | | | | | | | | | | |
| Eye Safety Class ( IEC62471 ) | | EXEMPT | | | EXEMPT | | | II | | | 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) | | 24V ± 2% |
| Continuous Current | (mA) | 480 |
| Power Consumption | (W) | 11.52 |
| Lighting casing temperature, Operating after 60 minutes | °C | 49.2 |

| Strobe Mode Specification | | |
|---|---|---|
| Pulse Operation | | YES |
| Max. Lighting Supply Voltage (Constant voltage power supply) | (V) | Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC |
| Pulse Current, (Max. 10msec) (Constant current power supply) | (mA) | 1440 |
| 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 | LED + | RED |
| | | 2 | N.C. | --- |
| | | 3 | LED - | WHITE |



| Application | |
|---|---|
| Illumination Type | Indirect Illumination |
| Application Use | Shining surface and food packaging |

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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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