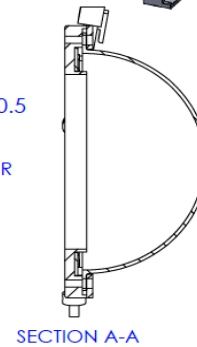
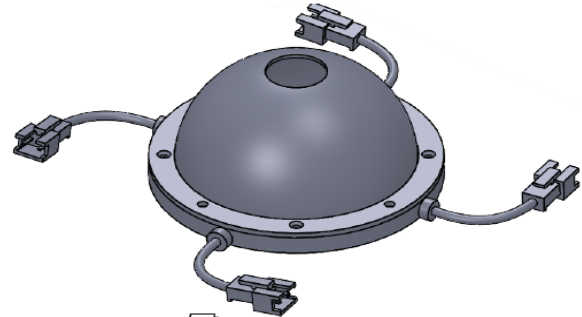
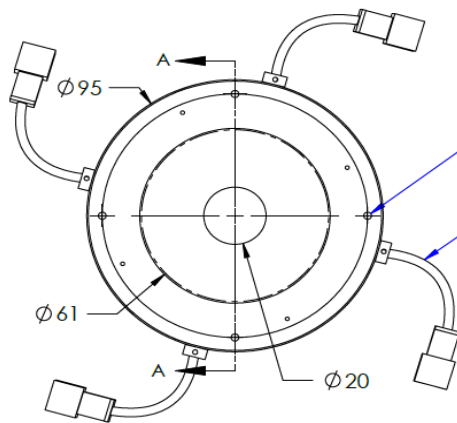
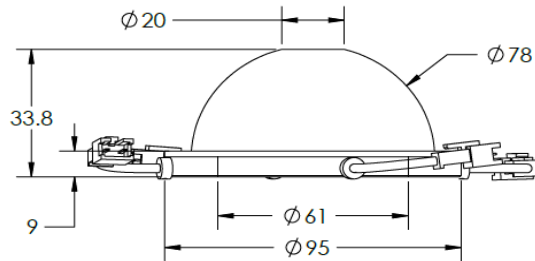


ILLUMINATOR DATA

LT5WRG070-00-1-R-24V-CH4

Lighting Dimension



PCD Ø85
Ø 4X TAP M3X0.5
THRU ALL
4X CONNECTOR
50CM CABLE



| Mechanical Information | |
|---------------------------|-----------|
| Casing Material | Aluminium |
| Storage Temperature Range | 0 - 45°C |
| Storage Humidity Range | 20 - 85% |
| Weight | 138 g |
| Length / Outer Diameter | 95 mm |
| Width / Inner Diameter | 20 mm |
| Thickness / Height | 33.8 mm |

ILLUMINATOR DATA

LT5WRG070-00-1-R-24V-CH4

| Lighting Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|--|--|--|--|--|--|---|-------|-------|------|------|---|-------|-------|-------|-------|
| Part Number | LT5WRG070-00-1-R-24V-CH4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Channel | CH1 | | | CH2 | | | CH3 | | | CH4 | | | | | | | | | | | | | | | | | | | | | | |
| LED Color | RED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wavelength | 630 nm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Working Distance | 20 mm | 30 mm | 50 mm | 20 mm | 30 mm | 50 mm | 20 mm | 30 mm | 50 mm | 20 mm | 30 mm | 50 mm | | | | | | | | | | | | | | | | | | | | |
| Intensity (±15%) | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | | | | | | | | | | | | | | | | | | | | |
| Illumination (number of row) | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Illumination Active Area | Active Length / Outer Dia. | | | 61 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Active Width / Inner Dia. | | | 61 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emission angle | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye Safety Class (IEC62471) | EXEMPT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chromaticity Table For White colour only | <table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td></tr></table> | | | | | X | 0.296 | 0.287 | 0.307 | 0.311 | Y | 0.276 | 0.295 | 0.315 | 0.294 | <table><tr><td>X</td><td>0.311</td><td>0.307</td><td>0.33</td><td>0.33</td></tr><tr><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table> | | | | | | | X | 0.311 | 0.307 | 0.33 | 0.33 | Y | 0.294 | 0.315 | 0.339 | 0.318 |
| | X | 0.296 | 0.287 | 0.307 | 0.311 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y | 0.276 | 0.295 | 0.315 | 0.294 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | 0.311 | 0.307 | 0.33 | 0.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y | 0.294 | 0.315 | 0.339 | 0.318 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Electrical Information | | | | |
|--|--|---------|---------|---------|
| Rated Constant Voltage | 24V±2% | | | |
| Rated Constant Current | 420 mA | 420 mA | 420 mA | 420 mA |
| Power Consumption | 10.08 W | 10.08 W | 10.08 W | 10.08 W |
| Casing temperature, After 60 minutes operation | 54.6 °C | | | |
| Max. continous current of RED, GREEN & BLUE LEDs on at the same time | *It is not recommended to turn on Red, Green and Blue colour at the same time. Refer to Maximum Simultaneous Current Output section in the last page for maximum current that can be supplied for each colour. Failure in following this may results in damaging the lighting. | | | |


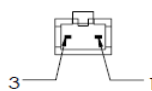
| Strobe Mode Specification | | | | |
|--|--|-------------------------|-------------------------|-------------------------|
| **Normal Strobe Voltage | 24 V | | | |
| **Normal Strobe Current | 420 mA | 420 mA | 420 mA | 420 mA |
| Overdrive Voltage Range | Min: 36 V Max: 48 V | Min: 36 V Max: 48 V | Min: 36 V Max: 48 V | Min: 36 V Max: 48 V |
| Overdrive Current Range | Min: 0.97 A Max: 1.62 A | Min: 0.97 A Max: 1.62 A | Min: 0.97 A Max: 1.62 A | Min: 0.97 A Max: 1.62 A |
| Max. pulse current of RED, GREEN & BLUE LEDs on at the same time | *It is not recommended to turn on Red, Green and Blue colour at the same time. Refer to Maximum Simultaneous Current Output section in the last page for maximum current that can be supplied for each colour. Failure in following this may results in damaging the lighting. | | | |
| Recommended Overdrive Voltage | 36 V | | | |
| ***Max. Trigger Pulse Duration | 10 msec | | | |
| ***Max. Duty Cycle | 10% | | | |

**Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.

***Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle. Failure in following this may results in damaging the lighting.

ILLUMINATOR DATA

LT5WRG070-00-1-R-24V-CH4

| Connection Information | | | |
|--|---|--------|--------------|
| Connector Type (Default) | JST SMR-03V | | |
| Cable Length | 50 cm | | |
| Pin Configuration  | Pin | Signal | Cable Colour |
| | 1 | LED + | Red |
| | 2 | N.C | - |
| | 3 | LED - | White |
| |  | | |

| Additional Information | |
|--------------------------------|--|
| Additional Cooling Method | Attached to machine part for better heat dissipation |
| Intensity Controller Selection | SD, ST, ANG, LC, SDA, SDP series |
| CE Conformity | YES |
| RoHS Compliance | YES |

| Application | |
|-------------------|---|
| Illumination Type | Diffused Illumination |
| Application Use | Character Recognition on Shining Surface, Lead Inspection |

ILLUMINATOR DATA

LT5WRG070-00-1-R-24V-CH4

| Lighting Pattern | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--|---|-----------|------------|-----------|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|---|--|----------|-----------|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|
| Working Distance | | For further details please contact us | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Display and Image | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Data Results | | <table><tr><td>Horizontal</td><td>Meas.(mm)</td></tr><tr><td>90%</td><td></td></tr><tr><td>80%</td><td></td></tr><tr><td>70%</td><td></td></tr><tr><td>60%</td><td></td></tr><tr><td>50%</td><td></td></tr><tr><td>40%</td><td></td></tr><tr><td>30%</td><td></td></tr><tr><td>20%</td><td></td></tr><tr><td>10%</td><td></td></tr></table> | | Horizontal | Meas.(mm) | 90% | | 80% | | 70% | | 60% | | 50% | | 40% | | 30% | | 20% | | 10% | | <table><tr><td>Vertical</td><td>Meas.(mm)</td></tr><tr><td>90%</td><td></td></tr><tr><td>80%</td><td></td></tr><tr><td>70%</td><td></td></tr><tr><td>60%</td><td></td></tr><tr><td>50%</td><td></td></tr><tr><td>40%</td><td></td></tr><tr><td>30%</td><td></td></tr><tr><td>20%</td><td></td></tr><tr><td>10%</td><td></td></tr></table> | | Vertical | Meas.(mm) | 90% | | 80% | | 70% | | 60% | | 50% | | 40% | | 30% | | 20% | | 10% | |
| | | Horizontal | Meas.(mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 80% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 70% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Vertical | Meas.(mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |