

## G2-ROSE-UV-M

~25° medium beam. Assembly with black holder and installation tape.

### SPECIFICATION:

|                |                |
|----------------|----------------|
| Dimensions     | 21.6 x 21.6 mm |
| Height         | 12.9 mm        |
| Fastening      | tape, pin      |
| ROHS compliant | yes ⓘ          |

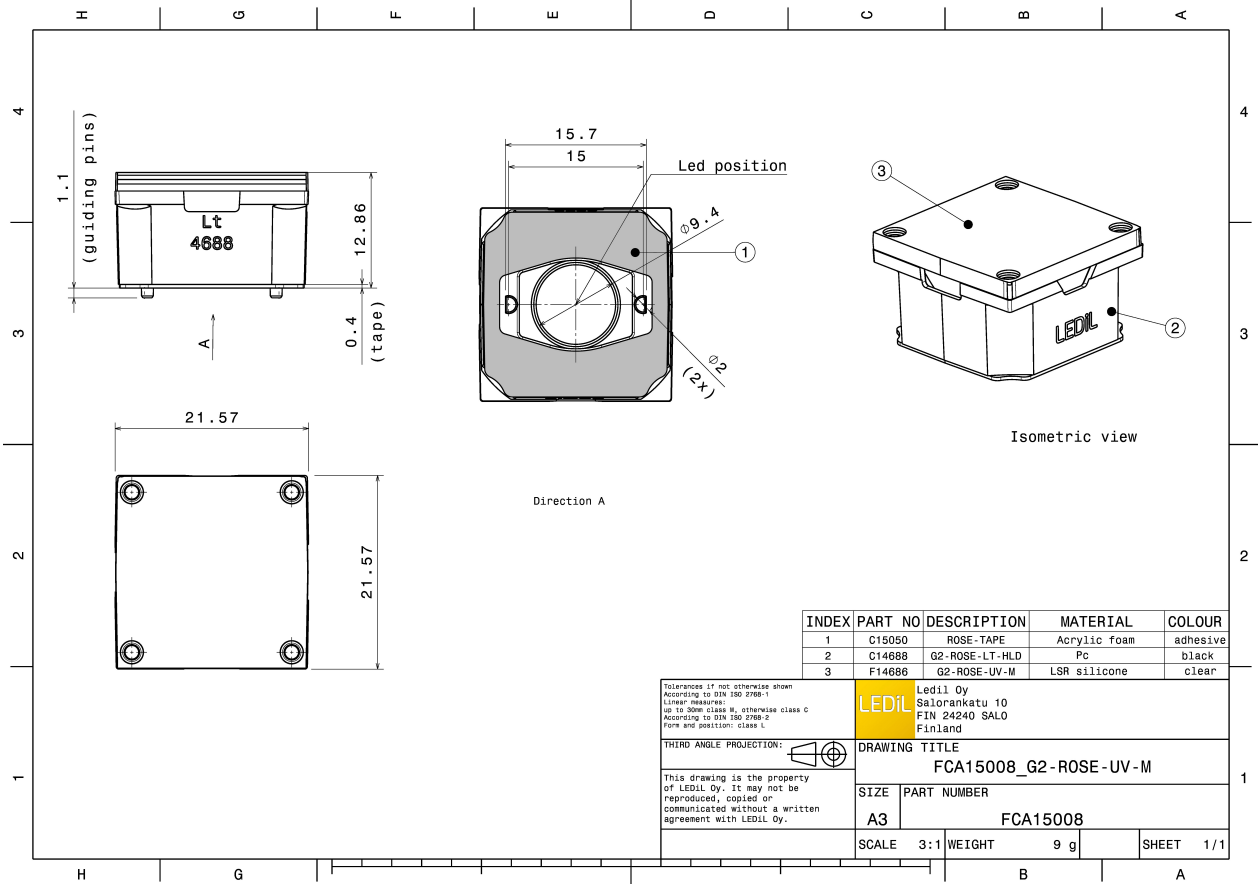
### MATERIALS:

| Component      | Type        | Material     | Colour | Finish |
|----------------|-------------|--------------|--------|--------|
| G2-ROSE-UV-M   | Single lens | Silicone     | clear  |        |
| G2-ROSE-LT-HLD | Holder      | PC           | black  |        |
| ROSE-TAPE      | Tape        | Acrylic foam | black  |        |

### ORDERING INFORMATION:




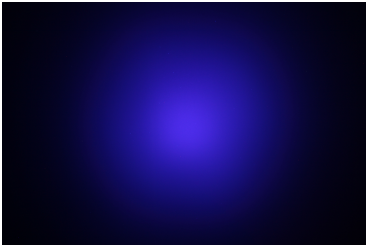

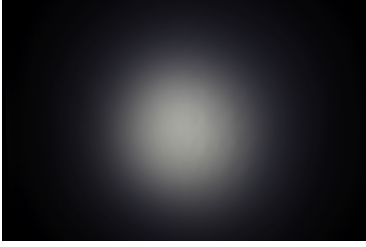
| Component   | Type        | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|-------------|------------|-----|-----|-----------------|
| FCA15008_G2-ROSE-UV-M<br>» Box size: 480 x 280 x 165 mm | Single lens | 1620       | 360 | 180 | 6.7             |



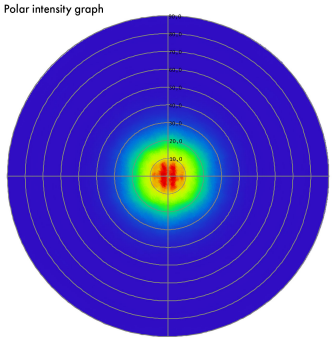
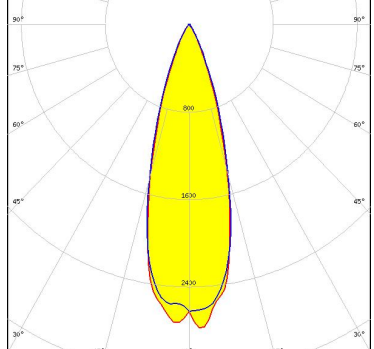
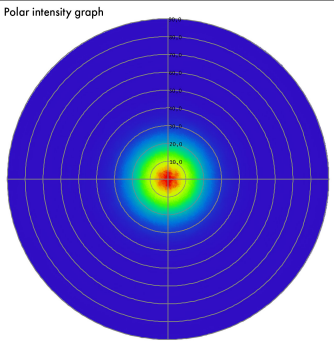
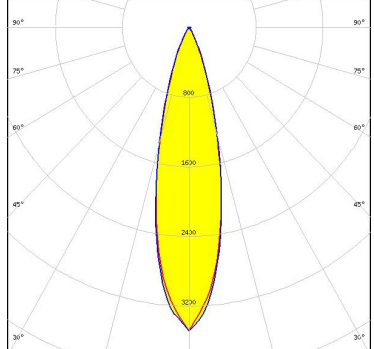

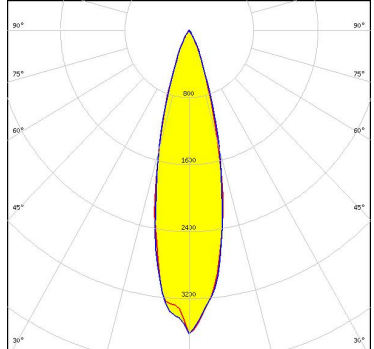

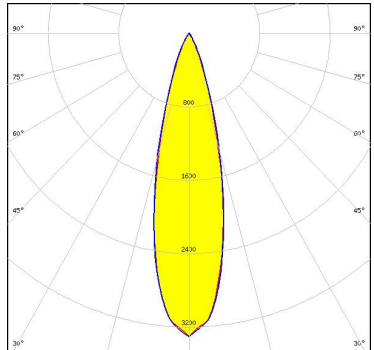


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

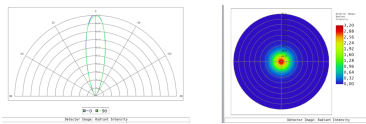
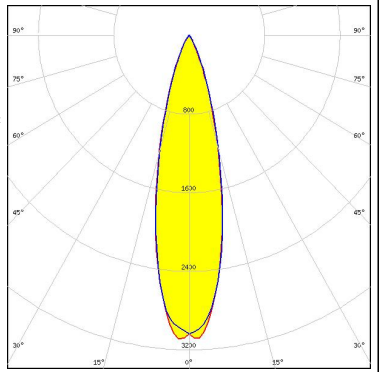
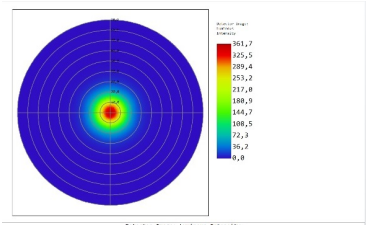
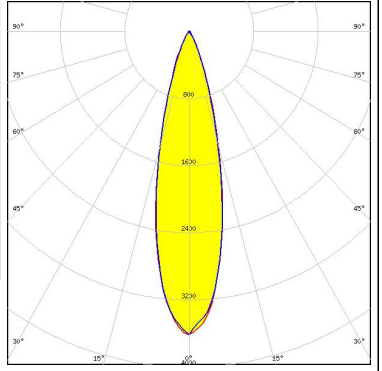
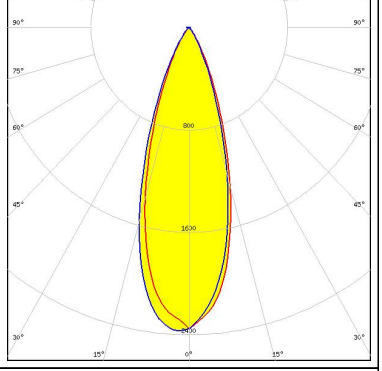
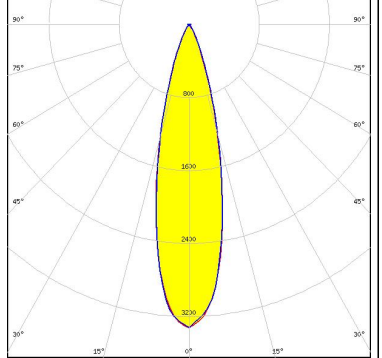
### OPTICAL RESULTS (MEASURED):

|   |  |
|---|--|
|  <p>LED                    LZ1-00UV00<br/>FWHM / FWTM      26.0° / 52.0°<br/>Efficiency            %<br/>LEDs/each optic    1<br/>Light colour        UV-A<br/>Required components:</p>                                     |  |
|  <p>LED                    SST-10-B130<br/>FWHM / FWTM      18.0° / 44.0°<br/>Efficiency            %<br/>LEDs/each optic    1<br/>Light colour        UV-A<br/>Required components:</p>                                    |  |
|  <p>LED                    NVSU233A<br/>FWHM / FWTM      23.0° / 48.0°<br/>Efficiency            %<br/>LEDs/each optic    1<br/>Light colour        UV-A<br/>Required components:</p>                                     |  |
|  <p>LED                    NVSW319B<br/>FWHM / FWTM      22.0° / 47.0°<br/>Efficiency            87 %<br/>Peak intensity      3.7 cd/m<br/>LEDs/each optic    1<br/>Light colour        UV-A<br/>Required components:</p> |  |

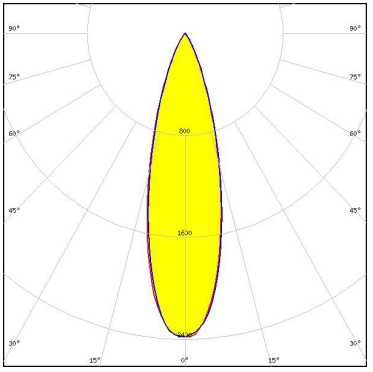
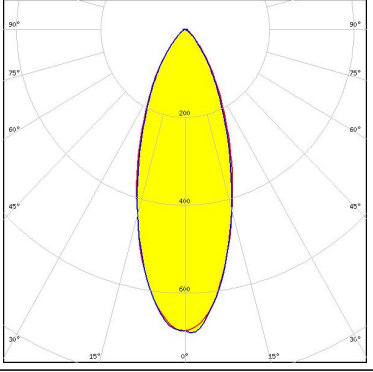
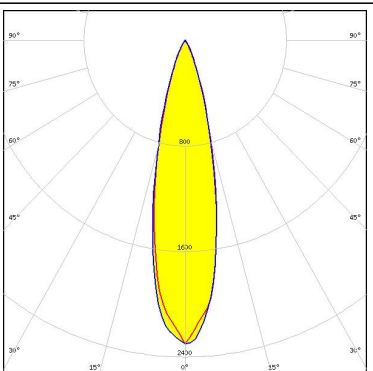
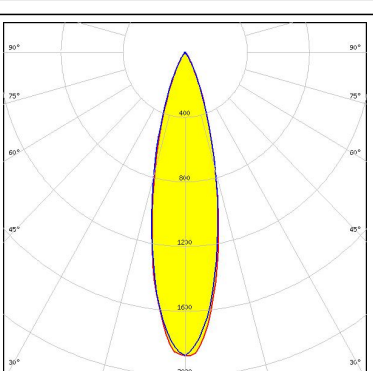
#### OPTICAL RESULTS (SIMULATED):

|  |  |   |
|--|--|---|
| <p><b>LUMINUS</b></p> <p>LED: SBT-10X-UV<br/>           FWHM / FWTM: 31.0° / 54.0°<br/>           Efficiency: 89 %<br/>           LEDs/each optic: 1<br/>           Light colour: UV-A<br/>           Required components:</p>   | <p>Polar intensity graph</p>   |    |
| <p><b>LUMINUS</b></p> <p>LED: SST-08-UV-A40<br/>           FWHM / FWTM: 26.0° / 50.0°<br/>           Efficiency: 85 %<br/>           LEDs/each optic: 1<br/>           Light colour: UV-A<br/>           Required components:</p>  | <p>Polar intensity graph</p>  |   |
| <p><b>LUMINUS</b></p> <p>LED: SST-10-UV-X130<br/>           FWHM / FWTM: 26.0° / 48.0°<br/>           Efficiency: 89 %<br/>           LEDs/each optic: 1<br/>           Light colour: UV-A<br/>           Required components:</p>   |                              |  |
| <p><b>NICHIA</b></p> <p>LED: NCSxx19B<br/>           Assembly: NULL<br/>           FWHM / FWTM: 26.0° / 49.0°<br/>           Efficiency: 83 %<br/>           Peak intensity: 3.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: Royal Blue<br/>           Required components:</p> |                              |  |

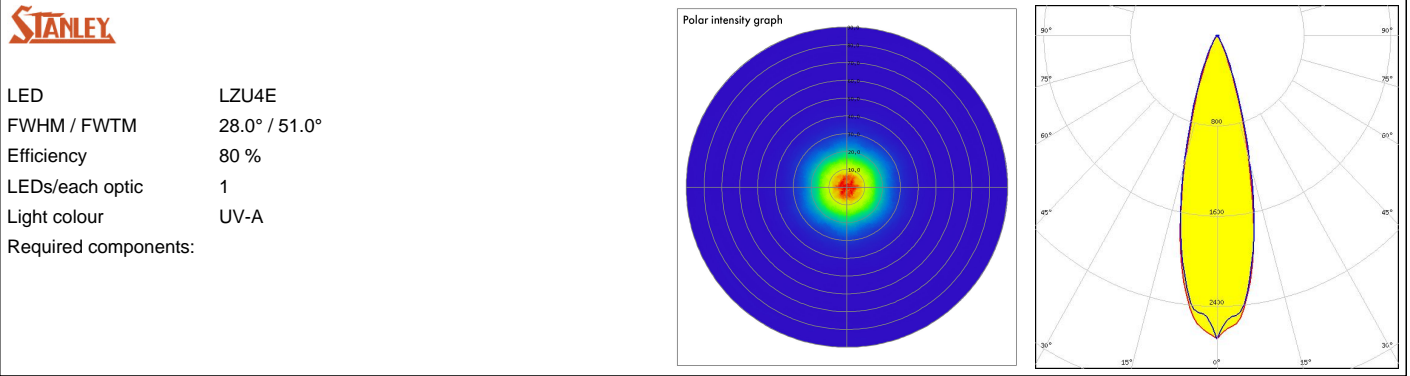
#### OPTICAL RESULTS (SIMULATED):

|   |   |   |
|---|---|---|
| <p><b>NICHIA</b></p> <p>LED: NVSU119C<br/>           FWHM / FWTM: 26.0° / 49.0°<br/>           Efficiency: 78 %<br/>           LEDs/each optic: 1<br/>           Light colour: UV-A<br/>           Required components:</p>   |   |    |
| <p><b>NICHIA</b></p> <p>LED: NVSU119C<br/>           FWHM / FWTM: 24.0° / 47.0°<br/>           Efficiency: 89 %<br/>           LEDs/each optic: 1<br/>           Light colour: UV-A<br/>           Required components:</p>   |  <p>Detector: Edge: Luminous Intensity: 3mm</p> <p>27.5.2019<br/>           Detector: 1, 800x Surface 1:<br/>           Max. dist.: 400mm, 90°-0°-0°, 0.000, 0.015 - 4902244<br/>           Peak Intensity: 1, 51271540 Lumen/steradian<br/>           Total Power: 1, 8, 80731482 Lumen</p> |   |
| <p><b>NICHIA</b></p> <p>LED: NVSU233A<br/>           FWHM / FWTM: 33.0° / 59.0°<br/>           Efficiency: 87 %<br/>           Peak intensity: 2.4 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>         |   |  |
| <p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C<br/>           FWHM / FWTM: 26.0° / 50.0°<br/>           Efficiency: 82 %<br/>           Peak intensity: 3.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: UV-A<br/>           Required components:</p> |   |  |

#### OPTICAL RESULTS (SIMULATED):

|   |   |
|---|---|
| <p>SEOL SEMICONDUCTOR</p> <p>LED: CUN66B1G<br/>           FWHM / FWTM: 29.0° / 54.0°<br/>           Efficiency: 73 %<br/>           LEDs/each optic: 1<br/>           Light colour: UV-A<br/>           Required components:</p>  |    |
| <p>SEOL SEMICONDUCTOR</p> <p>LED: WICOP DY9560-27<br/>           FWHM / FWTM: 40.0° / 81.0°<br/>           Efficiency: 40 %<br/>           LEDs/each optic: 24<br/>           Light colour: UV-C<br/>           Required components:</p> <p>The UVC LED result tolerance is ±10 %</p> |   |
| <p>SEOL SEMICONDUCTOR</p> <p>LED: WICOP DY9560-27<br/>           FWHM / FWTM: 25.0° / 49.0°<br/>           Efficiency: 51 %<br/>           LEDs/each optic: 1<br/>           Light colour: UV-C<br/>           Required components:</p> <p>The UVC LED result tolerance is ±10 %</p>  |  |
| <p>SEOL SEMICONDUCTOR</p> <p>LED: WICOP DY9560-27<br/>           FWHM / FWTM: 29.0° / 56.0°<br/>           Efficiency: 50 %<br/>           LEDs/each optic: 4<br/>           Light colour: UV-C<br/>           Required components:</p> <p>The UVC LED result tolerance is ±10 %</p>  |  |

### OPTICAL RESULTS (SIMULATED):



#### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### MATERIALS:

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