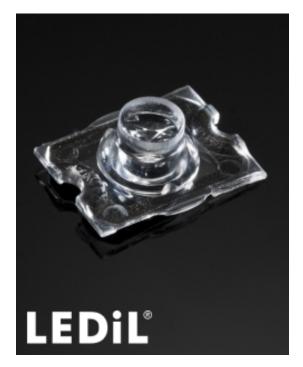


# STRADA-S

Side emitter beam

## **TECHNICAL SPECIFICATIONS:**

| Dimensions     | 19.6 x 15.5 mm |
|----------------|----------------|
| Height         | 6.9 mm         |
| Fastening      | pin, screw     |
| ROHS compliant | yes 🛈          |



# **MATERIAL SPECIFICATIONS:**

Component STRADA-S **Type** Single lens

| Material | Colour | Finish |
|----------|--------|--------|
| PMMA     | clear  |        |

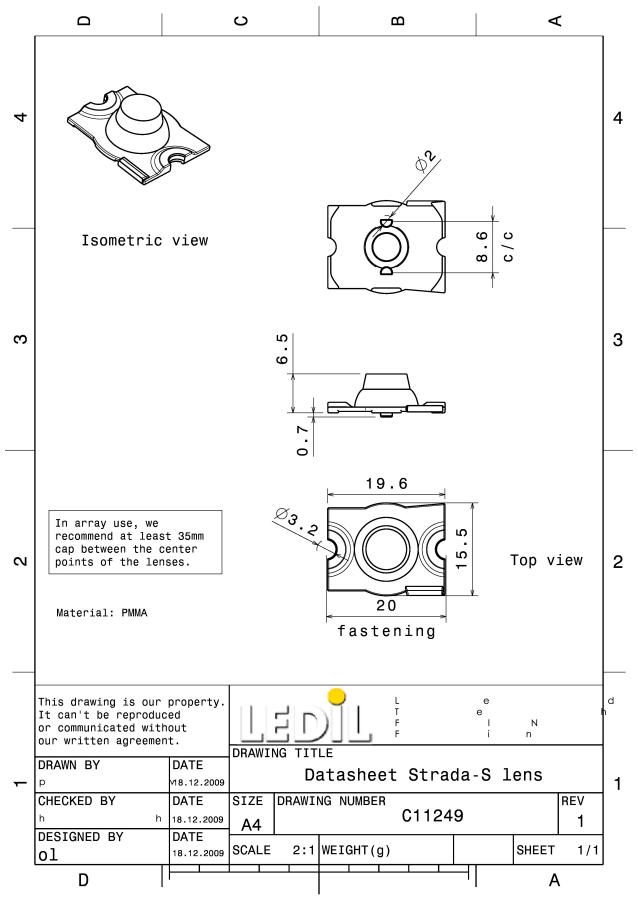
## **ORDERING INFORMATION:**

Component C11249\_STRADA-S » Box size: 480 x 280 x 300 mm

| Qty in box | MOQ | MPQ | Box weight (kg) |  |
|------------|-----|-----|-----------------|--|
| 2880       | 288 | 144 | 3.5             |  |



# PRODUCT DATASHEET C11249\_STRADA-S



See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



# PHOTOMETRIC DATA (MEASURED):

| CONTRACT A MARKET  |  |   |
|--|--|---|
|  |  |   |
| LED  | XP-E   |   |
| FWHM / FWTM  | 144.0 + 168.0°   | 28-   |
| Efficiency   | 93 %   |   |
| Peak intensity   | 0.5 cd/lm  | 50 <sup>4</sup>                                     |
| LEDs/each optic  | 1  |   |
| Light colour   | White  | 50  |
| Required compone   |  | 60  |
|  |  | 70  |
|  |  | 80  |
|  |  | NO  |
|  |  | 30 <sup>4</sup> 500 50 <sup>4</sup> 30 <sup>4</sup> |
|  |  | 85°   |
| LED  | XP-G   |   |
| FWHM / FWTM  | 144.0 + 176.0°   | 77  |
| Efficiency   | 93 %   |   |
| Peak intensity   | 0.4 cd/lm  | €0 <sup>4</sup> €0                                  |
| LEDs/each optic  | 1  |   |
| Light colour   | White  |   |
| Required compone   | nts:   | X0  |
|  |  | 60  |
|  |  | 710   |
|  |  | 30* 30  |
|  | _  |   |
|  |  | 8°  |
|  | XP-G2  | 10  |
| LED  |  |   |
| LED<br>FWHM / FWTM   | 169.0° / 190.0°  |   |
|  | 169.0° / 190.0°<br>94 %  |   |
| FWHM / FWTM  |  | er ze   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | 94 %<br>0.5 cd/lm<br>1   |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | 94 %<br>0.5 cd/lm<br>1<br>White  |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | 94 %<br>0.5 cd/lm<br>1<br>White  |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | 94 %<br>0.5 cd/lm<br>1<br>White  | 6) <sup>5</sup> 30 60<br>60<br>61<br>70<br>70<br>70 |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | 94 %<br>0.5 cd/lm<br>1<br>White  | 41 <sup>5</sup>                                     |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | 94 %<br>0.5 cd/lm<br>1<br>White  |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone   | 94 %<br>0.5 cd/lm<br>1<br>White<br>ints:   |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone   | 94 %<br>0.5 cd/lm<br>1<br>White<br>Ints:   |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone   | 94 %<br>0.5 cd/lm<br>1<br>White<br>ints:<br>EDS<br>LUXEON Rebel  |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone   | 94 %<br>0.5 cd/lm<br>1<br>White<br>ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°                                    |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone<br><b>Composition</b><br><b>Composition</b><br><b>Composition</b>   | 94 %<br>0.5 cd/lm<br>1<br>White<br>ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°<br>93 %                            |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone<br>Model of the second sec | 94 %<br>0.5 cd/lm<br>1<br>White<br>Ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°<br>93 %<br>0.4 cd/lm               |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone<br>Composition<br>Required compone<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | 94 %<br>0.5 cd/lm<br>1<br>White<br>ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°<br>93 %<br>0.4 cd/lm<br>1          |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone<br>Composition<br>Required compone<br>Composition<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 94 %<br>0.5 cd/lm<br>1<br>White<br>Ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°<br>93 %<br>0.4 cd/lm<br>1<br>White |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone<br>Composition<br>Required compone<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | 94 %<br>0.5 cd/lm<br>1<br>White<br>Ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°<br>93 %<br>0.4 cd/lm<br>1<br>White |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone<br>Composition<br>Required compone<br>Composition<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 94 %<br>0.5 cd/lm<br>1<br>White<br>Ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°<br>93 %<br>0.4 cd/lm<br>1<br>White |   |
| FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compone<br>Composition<br>Required compone<br>Composition<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 94 %<br>0.5 cd/lm<br>1<br>White<br>Ints:<br>EDS<br>LUXEON Rebel<br>162.0 + 138.0°<br>93 %<br>0.4 cd/lm<br>1<br>White |   |



# PHOTOMETRIC DATA (MEASURED):

| 🥙 LUMIL          | EDS             |  |
|------------------|-----------------|--|
| LED              | LUXEON Rebel ES |  |
| FWHM / FWTM      | 137.0 + 166.0°  | 779 100 77.  |
| Efficiency       | 93 %            |  |
| Peak intensity   | 0.3 cd/lm       |  |
| LEDs/each optic  | 1               |  |
| Light colour     | White           | 40   |
| Required compone |                 | -67 - 50 - CT  |
| Required compone | 115.            |  |
|                  |                 |  |
|                  |                 | 76   |
|                  |                 | 30* <u>10</u> 30*.   |
|                  |                 |  |
| LED              | NCSxx19A        |  |
| FWHM / FWTM      | 168.0 + 138.0°  |  |
| Efficiency       | 93 %            |  |
| Peak intensity   | 0.4 cd/lm       |  |
| LEDs/each optic  | 1               |  |
| Light colour     | White           |  |
| Required compone |                 |  |
|                  |                 |  |
|                  |                 |  |
|                  |                 |  |
|                  |                 |  |
|                  |                 |  |
|                  | •               |  |
| LED              | NVSxx19A        |  |
| FWHM / FWTM      | 162.0 + 138.0°  |  |
|                  |                 |  |
| Efficiency       | 93 %            |  |
| LEDs/each optic  | 1               |  |
| Light colour     | White           |  |
| Required compone | nts.            |  |
|                  |                 |  |
|                  |                 |  |
|                  |                 |  |
| OSRAM            |                 |  |
| LED              | OSLON SSL 150   | m m  |
| FWHM / FWTM      | 146.0 + 170.0°  | 770 500 787.   |
| Efficiency       | 93 %            | 20   |
| Peak intensity   | 0.4 cd/lm       | 501 501  |
| LEDs/each optic  | 0.4 co/im<br>1  | 40   |
| LEDS/each optic  | White           | 260  |
| Required compone |                 | -67 - 60 - C*  |
| Required compone | 115.            | 76   |
|                  |                 |  |
|                  |                 | 80   |
|                  |                 | 30 <sup>4</sup> 55 <sup>5</sup> 9 <sup>6</sup> 35 <sup>5</sup> |
| 1                |                 | 42 Y 10  |



# PHOTOMETRIC DATA (MEASURED):

| OSRAM<br>Opto Semiconductors |                 | 91* 93 <sup>*</sup>   |
|------------------------------|-----------------|---|
| LED                          | OSLON SSL 80    | 54  |
| FWHM / FWTM                  | 161.0° / 180.0° | 75° 200 75°   |
| Efficiency                   | 93 %            | 400   |
| Peak intensity               | 0.6 cd/lm       |   |
| LEDs/each optic              | 1               |   |
| Light colour                 | White           | 45° 55'   |
| Required compone             | nts:            | 800   |
|                              |                 | 3000<br>300<br>300<br>200<br>00<br>100<br>300<br>300<br>300<br>300<br>300<br>300<br>300<br>30 |



## **PHOTOMETRIC DATA (SIMULATED):**

# LUMILEDS

| LED                  | LUXEON A       |
|----------------------|----------------|
| FWHM / FWTM          | 144.0 + 176.0° |
| Efficiency           | %              |
| LEDs/each optic      | 1              |
| Light colour         | White          |
| Required components: |                |

## **Μ**ΝΙCΗΙΛ

| LED                  |
|----------------------|
| FWHM / FWTM          |
| Efficiency           |
| Peak intensity       |
| LEDs/each optic      |
| Light colour         |
| Required components: |

NF2W757G-MT (Tunable White) 167.0 + 168.0° / 181.0 + 182.0° 91 % 0.5 cd/lm 1 Tunable White

#### SEOUL

SEOUL SEMICONDUCTOR

| LED                  | Z5             |
|----------------------|----------------|
| FWHM / FWTM          | 144.0 + 176.0° |
| Efficiency           | %              |
| LEDs/each optic      | 1              |
| Light colour         | White          |
| Required components: |                |

# SHARP

LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:

Double Dome (GM2BB) 144.0 + 176.0° % 1 White



# PRODUCT DATASHEET C11249\_STRADA-S

### **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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

## PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

### LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

### LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

### Local sales and technical support www.ledil.com/ where\_to\_buy

Shipping locations Salo, Finland Hong Kong, China

### Distribution Partners www.ledil.com/ where\_to\_buy