

# PRODUCT DATASHEET C13751\_STRADA-SQ-FW

# STRADA-SQ-FW

Beam with wide light distribution and good illuminance uniformity for residential street lighting and staggered pole setups. Version with location pins.

### **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening ROHS compliant 25.0 x 25.0 mm 15.1 mm pin, screw yes ①



### **MATERIAL SPECIFICATIONS:**

Component STRADA-SQ-FW **Type** Single lens

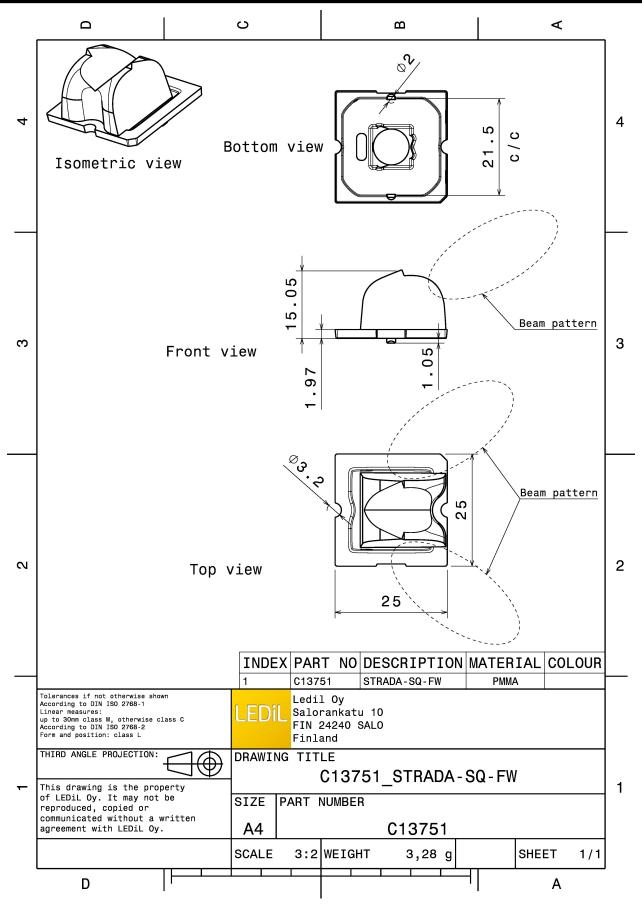
| Material | Colour | Finish |
|----------|--------|--------|
| PMMA     | clear  |        |

## **ORDERING INFORMATION:**

| Component                      | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C13751_STRADA-SQ-FW            | 1568       | 294 | 98  | 6.9             |
| » Box size: 480 x 280 x 300 mm |            |     |     |                 |



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



# PHOTOMETRIC DATA (MEASURED):

|                                 | EDS                       | 914 90                         |
|---------------------------------|---------------------------|--------------------------------|
| LED<br>FWHM / FWTM              | LUXEON M/MX<br>Asymmetric | 39                             |
| Efficiency                      | 94 %                      |                                |
| Peak intensity                  | 0.7 cd/lm                 | 20                             |
| LEDs/each optic<br>Light colour | 1<br>White                | at at                          |
| Required compone                | ents:                     | 20                             |
|                                 |                           | 40                             |
|                                 |                           | 20° 10 <sup>1</sup> 0° 10° 30° |



# PHOTOMETRIC DATA (SIMULATED):

| r  |                                    |   |
|--|------------------------------------|---|
| <b>ΜΝΙCΗΙΛ</b>   |                                    |   |
| LED  | NFMW48xA                           | 90° 90°   |
| FWHM / FWTM  | Asymmetric                         | 730 700   |
| Efficiency   | 92 %                               | 100   |
| Peak intensity   | 1 cd/lm                            | 60*   |
|  | 1                                  | 210   |
| LEDs/each optic  | White                              |   |
| Light colour<br>Required components:   | white                              | 45* 300 45*   |
| Required components.   |                                    | $\times$ $\land$ $\times$                             |
|  |                                    | 400   |
|  |                                    | $\times$ / $\times$                                   |
|  |                                    | 30° 15 <sup>5</sup> 50 15° 30°                        |
| <b>Μ</b> ΝΙCΗΙΛ  |                                    | 90* 90*   |
| LED  | NVSW219F                           |   |
| FWHM / FWTM  | Asymmetric                         | 75° 100 75°   |
| Efficiency   | 95 %                               |   |
| Peak intensity   | 1.2 cd/lm                          | 60* 60*   |
| LEDs/each optic  | 1                                  | 310   |
| Light colour   | White                              | 45* 450 45*   |
| Required components:   |                                    | XITX  |
|  |                                    |   |
|  |                                    |   |
|  |                                    | 000   |
|  |                                    | 130° 15° 90° 15° 30°                                  |
| <b>Μ</b> ΝΙCΗΙΛ  |                                    | 90* 90*   |
| LED  | NVSW519A                           |   |
| FWHM / FWTM  | Asymmetric                         | 75° 100 75°   |
| Efficiency   | 93 %                               |   |
| Peak intensity   | 1.2 cd/lm                          | 66* 200 68*   |
| LEDs/each optic  | 1                                  | $\nabla \times / \square \times \vee$                 |
| Light colour   | White                              | 45* 300   |
| Required components:   |                                    |   |
|  |                                    |   |
|  |                                    | 500   |
|  |                                    | 30* 30*   |
|  |                                    | 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>6</sup>        |
| OSRAM  |                                    |   |
| OSRAM<br>Opto Semiconductors   |                                    | 90°   |
| Opto Semiconductors  | OSCONIQ P 7070                     | 8)* B*  |
| opto Semiconductors<br>LED<br>FWHM / FWTM  | Asymmetric                         | 80° 80°   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency  | Asymmetric<br>92 %                 |   |
| opto semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity                                    | Asymmetric<br>92 %<br>1 cd/lm      | 90° - 90°<br>70° - 70° - 70°<br>60° - 70° - 70° - 70° |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                 | Asymmetric<br>92 %<br>1 cd/Im<br>1 | 9° - 9°<br>70   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>92 %<br>1 cd/lm      | 6 <sup>7</sup> 300 6 <sup>7</sup>                     |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                 | Asymmetric<br>92 %<br>1 cd/Im<br>1 | 9)* 99"<br>73° 50° 67<br>40° 200 67                   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>92 %<br>1 cd/Im<br>1 |   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>92 %<br>1 cd/Im<br>1 |   |
| Jpto Semiconductors<br>LED<br>EWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>92 %<br>1 cd/Im<br>1 | 20° 00° 00° 00° 00° 00° 00° 00° 00° 00°               |



# PHOTOMETRIC DATA (SIMULATED):

| OSRAM<br>Opto Semiconductors   |  |  |
|--|--|--|
| LED  | OSCONIQ S 5050   | 30"  |
| FWHM / FWTM  | Asymmetric   | 73* 77*  |
| Efficiency   | 75 %   | 500  |
|  | 0.7 cd/lm  | 50* 50*  |
| Peak intensity   |  |  |
| LEDs/each optic<br>Light colour  | 1<br>White   |  |
| Required components:   | White  | é  |
| Required components.   |  |  |
| Protective plate   | e, glass   |  |
|  |  | 400  |
|  |  | 30° 15° 30°  |
| OSRAM  |  |  |
| Opto Semiconductors  |  | 90* 90*  |
| LED  | OSCONIQ S 5050   | 73*  |
| FWHM / FWTM  | Asymmetric   | 100  |
| Efficiency   | 96 %   | .50*   |
| Peak intensity   | 0.9 cd/lm  | 270  |
| LEDs/each optic  | 1  |  |
| Light colour   | White  | 45° 300 65°  |
| Required components:   |  | $\times$   |
|  |  | 400  |
|  |  | $\times$ $\land$ $\land$ $\times$  |
|  |  | 30* <u>500</u> 30* 30*   |
|  |  |  |
| OSRAM  |  | THAY YATTI   |
| Opto Semiconductors  |  | 80.  |
| Opto Semiconductors  | OSLON Square CSSRM2/CSSRM3   | 80<br>30<br>5<br>5<br>70   |
| Opto Semiconductors<br>LED<br>FWHM / FWTM  | Asymmetric   | 35   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency  | Asymmetric<br>94 %   | 60 <sup>-</sup><br>200<br>0 <sup>-</sup><br>200<br>0 <sup>-</sup><br>200<br>0 <sup>-</sup><br>200<br>0 <sup>-</sup><br>200   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity  | Asymmetric<br>94 %<br>1.7 cd/lm  | 500<br>100<br>100<br>100<br>100<br>100<br>100<br>100   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | Asymmetric<br>94 %<br>1.7 cd/lm<br>1   | 90-<br>73-<br>54-<br>50-<br>50-<br>50-<br>50-<br>50-<br>50-<br>50-<br>50   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1.7 cd/lm  |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | Asymmetric<br>94 %<br>1.7 cd/lm<br>1   | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1.7 cd/lm<br>1   | 90°<br>10°<br>10°<br>10°<br>10°<br>10°<br>10°<br>10°<br>1  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1.7 cd/lm<br>1   | 90-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>100-<br>1   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1.7 cd/lm<br>1   | 50 <sup>-</sup><br>50   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1.7 cd/lm<br>1   | 90   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDS/each optic<br>Light colour<br>Required components:<br>SEOUL SEMICONDUCTOR  | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White  | 90   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>SECOUL SEMICONDUCTOR<br>LED  | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19   | 90   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>stoul semiconductor<br>LED<br>FWHM / FWTM  | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric                           | 90   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>stoouLSEMCONDUCTOR<br>LED<br>FWHM / FWTM<br>Efficiency   | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %                   | 50<br>60<br>30 <sup>2</sup><br>30 <sup>2</sup> |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>seoul semiconductor<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity                                    | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %<br>0.8 cd/lm      | 50<br>60<br>30 <sup>2</sup><br>30 <sup>2</sup> |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>SEOUL SEMICONDUCTOR<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                 | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>4 | 300<br>000<br>000<br>000<br>000<br>000<br>000<br>000   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>SEOUL SEMICONDUCTOR<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %<br>0.8 cd/lm      | 300<br>300<br>300<br>300<br>300<br>300<br>300<br>300   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>SEOUL SEMICONDUCTOR<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                 | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>4 | 300<br>300<br>300<br>300<br>300<br>300<br>300<br>300   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>SEOUL SEMICONDUCTOR<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>4 | 300<br>000<br>000<br>000<br>000<br>000<br>000<br>000   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>SEOUL SEMICONDUCTOR<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>4 | 300<br>000<br>000<br>000<br>000<br>000<br>000<br>000   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>SEOUL SEMICONDUCTOR<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>94 %<br>1.7 cd/lm<br>1<br>White<br>Z8Y19<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>4 | 50<br>60<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20   |



#### **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.

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