

# STRADELLA-8-HV-T4B

Wide IESNA Type IV forward-throw beam for wide area lighting like car parks. Variant with longer distance between location pins allowing high voltage circuit designs.

### **TECHNICAL SPECIFICATIONS:**

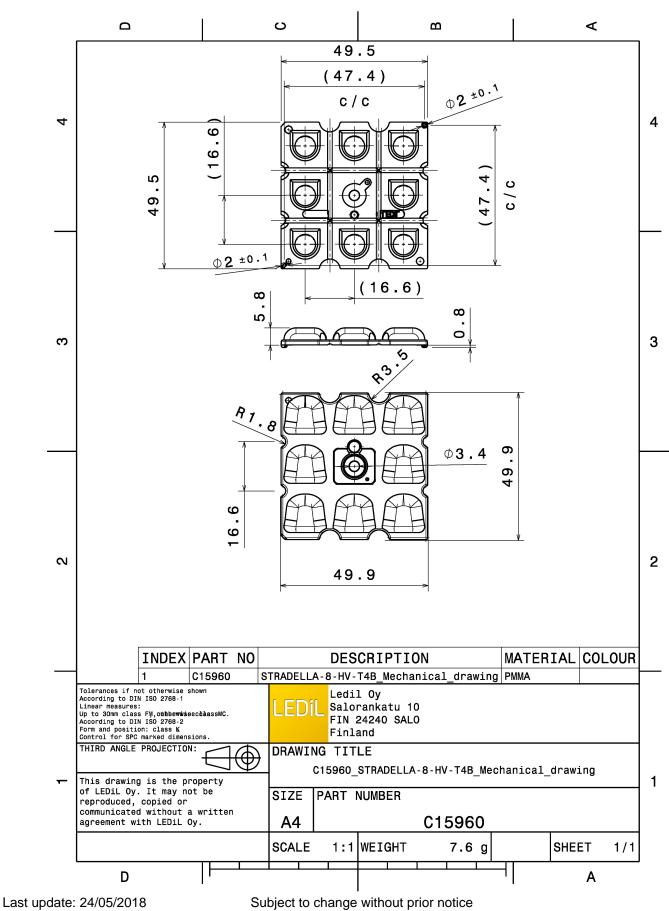
| Dimensions      | 49.5 mm            |
|-----------------|--------------------|
| Height          | 5.8 mm             |
| Fastening       | pin, screw         |
| Colour          | clear              |
| Box size        | 480 x 280 x 300 mm |
| Box weight      | 9.6 kg             |
| Quantity in Box | 800 pcs            |
| ROHS compliant  | yes 🛈              |



### MATERIAL SPECIFICATIONS:

Component STRADELLA-8-HV-T4B **Type** Multi-lens **Material** PMMA Colour clear





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# PHOTOMETRIC DATA (MEASURED):

| CREE ≑  | •  | THA AHT                        |
|---|--|--------------------------------|
| LED   | XD16   | 90* 90*                        |
| FWHM  | Asymmetric   | 780 780                        |
| Efficiency  | 93 %   | 20                             |
| Peak intensity  | 0.670 cd/lm  | 50 <sup>4</sup> 604            |
| LEDs/each optic   |  |                                |
| Light colour  | White  | 400                            |
| Required compon   |  | 45                             |
|   | 616.   |                                |
|   |  |                                |
|   |  | 700                            |
|   |  | 30° 15 <sup>5</sup> 80 15° 30° |
| CREE ≑  |  | LAY KH                         |
|   |  | 90* 90*                        |
|   | XT-E   | 75* 700 75*                    |
| FWHM  | Asymmetric<br>94 %   |                                |
| Efficiency  | 94 %<br>0.550 cd/lm  | 50* 200 50*                    |
| Peak intensity<br>LEDs/each optic   |  | X / 30 / X                     |
| Light colour  | White  |                                |
| Required compon   |  | 45* 400 45*                    |
| Required compon   | 6113.  |                                |
|   |  |                                |
|   |  |                                |
|   |  | 30° 700 30° 30°                |
|   |  |                                |
|   | EDS  | THY YHT                        |
|   |  |                                |
| LED   | LUXEON 3030 2D (Round LES)   |                                |
| LED<br>FWHM   | LUXEON 3030 2D (Round LES)<br>Asymmetric   |                                |
| LED<br>FWHM<br>Efficiency   | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity   | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm  |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                                    | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour                    | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White  |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                                    | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White  |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour                    | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White  |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour                    | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White  |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour                    | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White  |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:<br>EDS<br>LUXEON V2   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:<br>EDS<br>LUXEON V2<br>Asymmetric                             |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:<br>EDS<br>LUXEON V2<br>Asymmetric<br>94 %                     |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:<br>EDS<br>LUXEON V2<br>Asymmetric<br>94 %<br>0.550 cd/lm      |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:<br>EDS<br>LUXEON V2<br>Asymmetric<br>94 %<br>0.550 cd/lm<br>1 |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:   |                                |
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compon | LUXEON 3030 2D (Round LES)<br>Asymmetric<br>94 %<br>0.730 cd/lm<br>1<br>White<br>ents:   |                                |



# PHOTOMETRIC DATA (MEASURED):

| MICHIA                            |                     | 90° - 90°  |
|-----------------------------------|---------------------|--|
| LED                               | NVSW219D            | 4 100  |
| FWHM                              | Asymmetric          |  |
| Efficiency                        | 94 %                |  |
| Peak intensity                    | 0.500 cd/lm         |  |
| LEDs/each optic                   | 1                   | 30   |
| Light colour                      | White               | 45* 400 45*  |
| Required compor                   | ients:              |  |
|                                   |                     | 500  |
|                                   |                     | 600  |
|                                   |                     |  |
|                                   |                     | 30° 30° 15° 30°  |
| <b>MNICHIA</b>                    |                     | 90* 90*  |
| LED                               | NVSW319B            |  |
| FWHM                              | Asymmetric          | 77 0 700 700   |
| Efficiency                        | 94 %                | 20   |
| Peak intensity                    | 0.500 cd/lm         | 60*  |
| LEDs/each optic                   | 1                   | 30   |
| Light colour                      | White               | 45* 400 45*  |
| Required compor                   | ients:              |  |
|                                   |                     | 500  |
|                                   |                     | 00   |
|                                   |                     |  |
|                                   |                     | 30*     700     30*       13 <sup>5</sup> 0 <sup>8</sup> 15* |
| SEOUL                             |                     |  |
| SEOUL SEMICONDUCTOR               | Z5M3                | 90* 90*  |
| FWHM                              | Asymmetric          | 750 7100 75.   |
|                                   | 94 %                |  |
| Efficiency<br>Book intensity      | 94 %<br>0.500 cd/lm | 60 <sup>4</sup> 200 60 <sup>4</sup> .                        |
| Peak intensity<br>LEDs/each optic |                     | X / 30 X   |
| Light colour                      | White               |  |
| Required compor                   |                     | 40 63  |
|                                   |                     |  |
|                                   |                     |  |
|                                   |                     | 600  |
|                                   |                     | 30° 15° 700 15° 30°.   |
|                                   |                     |  |



# PHOTOMETRIC DATA (SIMULATED):

| CREE 🚖  | 90* 90*   |
|---|---|
| LED XP-G3   |   |
| FWHM Asymmetric   | 75° 200 72°.  |
| Efficiency 92 %   |   |
| Peak intensity 0.445 cd/lm  | 604 604   |
| LEDs/each optic 1   | 30  |
| Light colour White  | 45*   |
| Required components:  | 400   |
|   | 500   |
|   |   |
|   | 600   |
|   | 30° <u>15°</u> 30°  |
| <b>𝔅</b> NICHIΛ   | 80-   |
| LED NF2x757G  | 5   |
| FWHM Asymmetric   | 754 500 500   |
| Efficiency 94 %   |   |
| Peak intensity 0.500 cd/lm  | 50* 60*   |
| LEDs/each optic 1   |   |
| Light colour White  | 45* 400 45*   |
| Required components:  | 200   |
|   |   |
|   |   |
|   | 30* 700 30*   |
|   |   |
| <i>₩</i> NICHIA   | 90* 90*   |
|   |   |
| LED NVSxE21A  | 1 200   |
| FWHM Asymmetric   | 751   |
| FWHMAsymmetricEfficiency93 %  | 20 20 72 72 10 72 |
| FWHMAsymmetricEfficiency93 %Peak intensity0.570 cd/lm   | 73° 72° 72° 72° 72° 72° 72° 72° 72° 72° 72  |
| FWHMAsymmetricEfficiency93 %Peak intensity0.570 cd/lmLEDs/each optic1   |   |
| FWHMAsymmetricEfficiency93 %Peak intensity0.570 cd/lmLEDs/each optic1Light colourWhite  | 73° 70° 7°<br>0° 300 6°<br>400 5°   |
| FWHMAsymmetricEfficiency93 %Peak intensity0.570 cd/lmLEDs/each optic1   | 20<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00  |
| FWHMAsymmetricEfficiency93 %Peak intensity0.570 cd/lmLEDs/each optic1Light colourWhite  | 200<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00   |
| FWHMAsymmetricEfficiency93 %Peak intensity0.570 cd/lmLEDs/each optic1Light colourWhite  |   |
| FWHMAsymmetricEfficiency93 %Peak intensity0.570 cd/lmLEDs/each optic1Light colourWhite  | 200 700<br>00° 200 00°<br>400 00°<br>400 00°<br>400 00°<br>700 00°<br>700 00°<br>30° 20° 20°  |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:  |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component State S | 200<br>000<br>000<br>000<br>000<br>000<br>000<br>000  |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Components in the image: Components in the image: Components in the image: Component in the ima |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Components in the image: Component in the image |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component in the image: |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:  |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component in the image: |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component State S |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component in the image: |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component State S |   |
| FWHM   Asymmetric     Efficiency   93 %     Peak intensity   0.570 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component State S |   |



# PHOTOMETRIC DATA (SIMULATED):

| SAMSUNG  | 90* 90*   |
|--|---|
| LED LH181A                                     | A 200   |
| FWHM Asymmetric                                | 73°   |
| Efficiency 94 %                                |   |
| Peak intensity 0.500 cd/lm                     | × / 30 × /  |
| LEDs/each optic 1                              |   |
| Light colour White                             | 6;  |
| Required components:                           |   |
|  | 600   |
|  | 700   |
|  | 30* 15 42 15* 30*   |
| СЛЛСЦИС  |   |
| SAMSUNG  | 90* 90*   |
| LED LH181B                                     | 100   |
| FWHM Asymmetric                                | 736 776   |
| Efficiency 94 %                                | 50 <sup>4</sup>   |
| Peak intensity 0.530 cd/lm                     |   |
| LEDs/each optic 1                              | 40  |
| Light colour White                             | 451 500 531   |
| Required components:                           | 500   |
|  |   |
|  | 700   |
|  | 30° 800 30° 30°   |
|  |   |
| SEOUL SEMICONDUCTOR                            | 90* 90*   |
| LED SEOUL DC 5050 6V                           |   |
| FWHM Asymmetric                                |   |
| Efficiency 94 %                                | 60* 60*   |
| Peak intensity 0.350 cd/lm   LEDs/each optic 1 | $\times$ / $\uparrow$   |
| Light colour White                             | × × ×   |
| Required components:                           | 42.   |
| rrequired components.                          |   |
|  | $\times$ / $\times$   |
|  |   |
|  | 30* <u>15</u> <sup>2</sup> 0 <sup>0</sup> 15* 30 <sup>2</sup> |



#### **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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