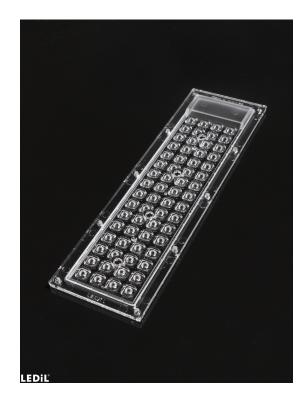


## STRADELLA-IP-64-VSM

**IESNA** Type V (square) beam for wide areas lighting such as car parks.

### **SPECIFICATION:**

| Dimensions                 | 253.0 x 74.0 mm |
|----------------------------|-----------------|
| Height                     | 9.7 mm          |
| Fastening                  | screw           |
| Ingress protection classes | IP66, IP67      |
| ROHS compliant             | yes 🛈           |



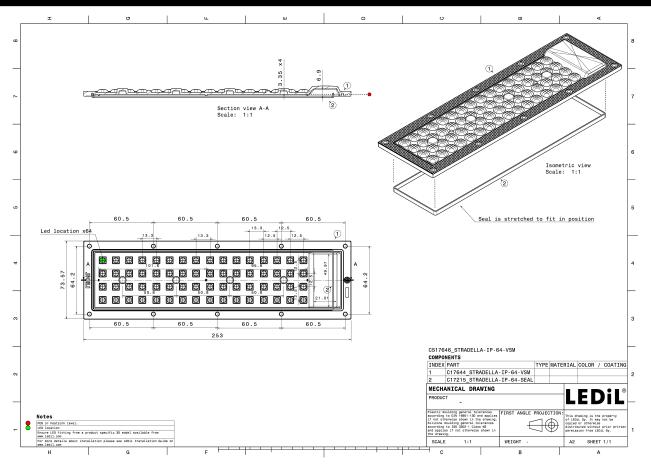
### **MATERIALS:**

| Component            | Туре       | Material | Colour | Finish |
|----------------------|------------|----------|--------|--------|
| STRADELLA-IP-64-VSM  | Multi-lens | PMMA     | clear  |        |
| STRADELLA-IP-64-SEAL | Seal       | Silicone | milky  |        |

### **ORDERING INFORMATION:**

| Component                      |            | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|------------|-----|-----|-----------------|
| CS17646_STRADELLA-IP-64-VSM    | Multi-lens | 108        | 108 | 36  | 8.8             |
| » Box size: 476 x 273 x 247 mm |            |            |     |     |                 |





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



### **OPTICAL RESULTS (MEASURED):**

|                                  |   |   | 50°*   |
|----------------------------------|---|---|--|
| LED                              | EHP-223.5x50-1604-xx-70-LS30-06-NTC     |   |  |
| FWHM / FWTM                      | Asymmetric                              |   | 75 100 75*                                     |
| Efficiency                       | 97 %                                    |   |  |
| Peak intensity                   | 0.5 cd/lm                               |   | 60° 60°  |
| LEDs/each optic                  | 1                                       |   |  |
| Light colour                     | White                                   |   | 45 <sup>+</sup> 300 45 <sup>+</sup>            |
| Required compone                 |   |   |  |
| Required compone                 |   |   | 400  |
|                                  |   |   | X    X   |
|                                  |   |   | 500  |
|                                  |   |   | 30° 15 <sup>5</sup> 0° 15° 30°                 |
| MST Your solut                   | tions                                   |   |  |
| LED                              | Bool ED 222250mm 42001m 8x0 4x16 Opt C1 |   | 90 <sup>4</sup> 90 <sup>4</sup>                |
| LED<br>FWHM / FWTM               | RecLED 223x50mm 4200lm 8x0 4x16 Opt G1  |   | 75° 75°  |
|                                  | Asymmetric<br>93 %                      |   |  |
| Efficiency                       |   |   | 50' 200 60*                                    |
| Peak intensity                   | 0.6 cd/lm                               |   |  |
| LEDs/each optic                  | 1                                       |   | X No X   |
| Light colour                     | White                                   |   | 6° (   |
| Required compone                 | nts:                                    |   | 400  |
|                                  |   |   |  |
|                                  |   |   |  |
|                                  |   |   | 30° 15° 30°                                    |
| OSRAM                            | 1                                       |   |  |
| LED                              | PrevaLED Brick MP 4x16                  |   | 30* 90   |
| EED<br>FWHM / FWTM               | 129.0° / 138.0°                         |   | 730 70   |
| Efficiency                       | 96 %                                    |   |  |
|                                  | 0.6 cd/lm                               |   | 60*  |
| Peak intensity                   |   |   |  |
| LEDs/each optic                  | 1<br>White                              |   |  |
| Light colour<br>Required compone |   |   | 6 <sup>1</sup> 6 <sup>1</sup>                  |
| Required compone                 | 115.                                    |   | 400  |
|                                  |   |   | $\times$ / $\times$ /                          |
|                                  |   |   | 500  |
|                                  |   |   | 30° 15° 0° 15°                                 |
| SCIO                             |   |   |  |
|                                  |   |   | 90* 90*  |
| LED                              | KAAX-VB-2300-840-48                     |   | 73°  |
| FWHM / FWTM                      | 132.0° / 141.0°                         |   | 100  |
| Efficiency                       | 92 %                                    | and the second se | 50*  |
| Peak intensity                   | 0.5 cd/lm                               |   |  |
| LEDs/each optic                  | 1                                       |   |  |
| Light colour                     | White                                   | The second se   | 45* 300 45*                                    |
| Required compone                 | nts:                                    |   |  |
|                                  |   |   | 400  |
|                                  |   |   | $\times$ / $  \setminus X$                     |
|                                  |   |   | 30* 500 30*                                    |
|                                  |   |   | 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup> |



## **OPTICAL RESULTS (SIMULATED):**

| LED  | J Series 2835   | yr   |
|--|---|--|
| FWHM / FWTM  | Asymmetric  | 736 780  |
| Efficiency   | 92 %  |  |
| Peak intensity   | 0.4 cd/lm   | 50° 50°.   |
|  |   | 200  |
| LEDs/each optic  | 1<br>White  |  |
| Light colour<br>Required components:   | Wille   | 45* 330 45*  |
| Required components.   |   |  |
|  |   |  |
|  |   |  |
|  |   | 30* 500<br>30* 15 <sup>5</sup> 0* 15* 30*  |
| OSRAM  |   |  |
| Opto Semiconductors  | Duris E 2835  | 90° 90°  |
| FWHM / FWTM  |   | 73* 100 75*  |
| Efficiency   | Asymmetric<br>96 %  |  |
| Peak intensity   | 0.5 cd/lm   | 50° 50°  |
| LEDs/each optic  | 1   |  |
| Light colour   | White   | 300  |
| Required components:   | Wille   | 6° 6*  |
| Required components.   |   | 400  |
|  |   |  |
|  |   | 500  |
|  |   | 30* 13 <sup>5</sup> 0° 19* 30*   |
| CODAN  |   |  |
| OSRAM  |   |  |
| Opto Semiconductors  | Duric SE (Single chip)  | 60*  |
| Opto Semiconductors  | Duris S5 (Single chip)  | 50° 50° 50°  |
| Opto Semiconductors<br>LED<br>FWHM / FWTM  | Asymmetric  |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency  | Asymmetric<br>96 %  |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity  | Asymmetric<br>96 %<br>0.6 cd/lm   | 3° 10 75.  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1  | 200 For an and a second |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>96 %<br>0.6 cd/lm   | 3° 10 5°   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1  | 200 60 <sup>4</sup>  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1  | 200 60 <sup>4</sup>  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1  | 200 60°<br>60° 200 60°<br>60° 60°<br>60° 60°   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White   | 200 60 <sup>4</sup>  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White   |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White   |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4   |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric                           |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>PHILIPS</b><br>LED<br>FWHM / FWTM<br>Efficiency   | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric<br>96 %                   | 20<br>60<br>60<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>5  |
| opte Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>PHILIPS</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity                             | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric<br>96 %<br>0.5 cd/lm      | 20<br>60<br>60<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>5  |
| opte Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>PHILIPS</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic          | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric<br>96 %<br>0.5 cd/lm<br>1 |  |
| opte Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>PHILIPS<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric<br>96 %<br>0.5 cd/lm      |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>PHILIPS</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic          | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric<br>96 %<br>0.5 cd/lm<br>1 |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>PHILIPS<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric<br>96 %<br>0.5 cd/lm<br>1 |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>PHILIPS<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | Asymmetric<br>96 %<br>0.6 cd/lm<br>1<br>White<br>Fortimo FastFlex LED 4x16 DHE G4<br>Asymmetric<br>96 %<br>0.5 cd/lm<br>1 |  |



## **OPTICAL RESULTS (SIMULATED):**

| SAMSUN   | IG  | 90* 90*  |
|--|---|--|
| LED  | HILOM RM64 (LM301B)   |  |
| FWHM / FWTM  | Asymmetric  | 736 100 75°  |
| Efficiency   | 96 %  |  |
| Peak intensity   | 0.5 cd/lm   | 60 <sup>4</sup> 200 60 <sup>4</sup>  |
| LEDs/each optic  | 1   |  |
| Light colour   | White   | 45 <sup>+</sup> 300  |
| Required components:   |   | $ \times / \times $  |
|  |   |  |
|  |   | X     X  |
|  |   | 500  |
|  |   | 30° 15° 30°  |
| SAMSUN   | IG  |  |
| LED  | LH351B  |  |
| FWHM / FWTM  | Asymmetric  | 200  |
| Efficiency   | 94 %  |  |
| Peak intensity   | 0.4 cd/im   | 60* 150 60*  |
| LEDs/each optic  | 1   | 200  |
| Light colour   | White   | 5° Zo 6°   |
| Required components:   |   | 30   |
| - 1 1  |   |  |
|  |   | 400  |
|  |   |  |
|  |   | 20° 15 <sup>3</sup> 0° 15° 30°   |
| SAMSUN   | IG  |  |
|  |   |  |
|  |   | 90* 90*  |
| LED  | LH351C  | 2 <sup>3</sup> 0   |
| LED<br>FWHM / FWTM   | LH351C<br>Asymmetric  | Bar Salar Sa   |
| LED<br>FWHM / FWTM<br>Efficiency   | LH351C<br>Asymmetric<br>94 %  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity   | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm   | 90 <sup>4</sup><br>10 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm   | 200  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1  | 200  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1  | 200  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White   | 200  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SAMSUN</b><br>LED<br>FWHM / FWTM   | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SAMSUN</b><br>LED<br>FWHM / FWTM<br>Efficiency   | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White<br>LH351D<br>Asymmetric<br>92 %                   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SAMSUN</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity                                     | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White<br>LH351D<br>Asymmetric<br>92 %<br>0.3 cd/lm      |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SAMSUN</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White<br>LH351D<br>Asymmetric<br>92 %<br>0.3 cd/lm<br>1 |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SANNSUN</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White<br>LH351D<br>Asymmetric<br>92 %<br>0.3 cd/lm      |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SAMSUN</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White<br>LH351D<br>Asymmetric<br>92 %<br>0.3 cd/lm<br>1 |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SANNSUN</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White<br>LH351D<br>Asymmetric<br>92 %<br>0.3 cd/lm<br>1 |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br><b>SAMSUN</b><br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | LH351C<br>Asymmetric<br>94 %<br>0.4 cd/lm<br>1<br>White<br>LH351D<br>Asymmetric<br>92 %<br>0.3 cd/lm<br>1 |  |



## **OPTICAL RESULTS (SIMULATED):**

| NG                          | 90°   |
|-----------------------------|---|
| LM301B                      |   |
| Asymmetric                  | 75  |
| 96 %                        |   |
| 0.5 cd/lm                   | 80° 200 60°   |
| 1                           | $\times \times / \times \times$   |
| White                       | 45° 340 43°   |
| :                           |   |
|                             | 400   |
|                             |   |
|                             | 32* 192 24 197 34   |
|                             |   |
| C                           | 99* 94  |
| RLE 4x16 4000lm MP ADV2 OTD |   |
| Asymmetric                  | 781   |
| 96 %                        |   |
| 0.5 cd/lm                   |   |
| 1                           |   |
| White                       | 45° 30 43°  |
| :                           |   |
|                             |   |
|                             | 24  |
|                             |   |
|                             | Asymmetric<br>96 %<br>0.5 cd/lm<br>1<br>White<br>:<br>RLE 4x16 4000lm MP ADV2 OTD<br>Asymmetric<br>96 %<br>0.5 cd/lm<br>1 |



#### **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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