

# PRODUCT DATASHEET C16005\_STRADELLA-8-T1-A

# STRADELLA-8-T1-A

Asymmetric IESNA Type I (short) beam designed for tilted poles. Suitable for Indian EESL specification.

### **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening ROHS compliant 49.5 x 49.5 mm 5.3 mm pin, screw yes 1



### **MATERIAL SPECIFICATIONS:**

Component STRADELLA-8-T1-A

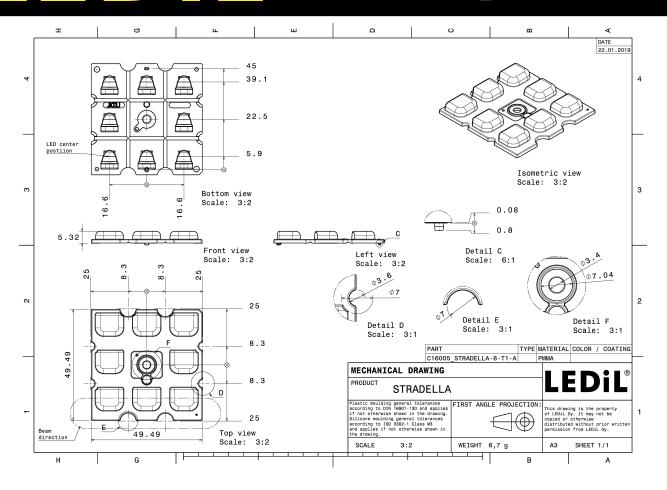
| Туре       |
|------------|
| Multi-lens |

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

### **ORDERING INFORMATION:**

| Component                      | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C16005_STRADELLA-8-T1-A        | 800        | 160 | 160 | 6.2             |
| » Box size: 480 x 280 x 300 mm |            |     |     |                 |

# PRODUCT DATASHEET C16005\_STRADELLA-8-T1-A



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



### **PHOTOMETRIC DATA (MEASURED):**

|  | QUICK FLUX XT 2x8 xxx STRDLL G5                             |   |
|--|---|---|
| FWHM / FWTM  | Asymmetric  | 736 00 731  |
| Efficiency   | 94 %  | 40  |
| Peak intensity   | 0.9 cd/lm   | .60 <sup>4</sup> 600 60 <sup>4</sup>  |
| LEDs/each optic  | 1   |   |
|  | White   | $X \times / T \setminus X \times$   |
| Light colour<br>Required componer  |   | 45° 1000 45°  |
| Required component   | 15.   | 1230  |
|  |   | 1450  |
|  |   |   |
|  |   | 30° 15° 0° 15° 30°  |
|  | 1   |   |
|  |   | 90* 90*   |
| LED  | J Series 3030   | 750 700   |
| FWHM / FWTM  | Asymmetric  | 400   |
| Efficiency   | 98 %  | EUT EUT   |
| Peak intensity   | 1.1 cd/lm   | 200   |
| LEDs/each optic  | 1   |   |
| Light colour   | White   | 45° 45°   |
| Required componer  | ts:   |   |
|  |   | 1690  |
|  |   | $\times$ / T \ $\times$   |
|  |   | 30° 15 <sup>5</sup> 2050 15° 30°  |
|  |   | NY FAI  |
| LED  | XP-G3   | 90* 91*   |
| FWHM / FWTM  | Asymmetric  | 750 750   |
| Efficiency   | 94 %  |   |
| Peak intensity   | 0.9 cd/lm   | 60* 400 60*   |
| LEDs/each optic  | 1   | X And X   |
| Light colour   | White   | $X \times /   X X$  |
|  |   |   |
| L Roquirod componed  |   | 451 800 451   |
| Required componer  |   | 45° 80 45°.   |
| Required compone   |   | 100   |
| Required componer  |   | e. <u>6</u> , <u>6</u> , <u>6</u> , <u>6</u> , <u>6</u> ,                     |
| Required componer  |   | 100   |
|  | ts:   |   |
|  |   |   |
|  | xT-E  | 1000<br>1270<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000                  |
| CREE LED   | xT-E<br>Asymmetric  |   |
| LED<br>FWHM / FWTM<br>Efficiency   | tts:<br>XT-E<br>Asymmetric<br>94 %                          | 1000<br>1270<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000                  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity   | tts:<br>XT-E<br>Asymmetric<br>94 %<br>1 cd/lm               | 1000<br>1270<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000                  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                      | XT-E<br>Asymmetric<br>94 %<br>1 cd/lm<br>1                  |   |
| CREE LED<br>EWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | tts:<br>XT-E<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White | 1000<br>1270<br>1000<br>1000<br>1000<br>100<br>100<br>100<br>100<br>100<br>10 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                      | tts:<br>XT-E<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White |   |
| CREE LED<br>EWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | tts:<br>XT-E<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White |   |
| CREE LED<br>EWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | tts:<br>XT-E<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White |   |
| CREE LED<br>EWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | tts:<br>XT-E<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White |   |



### **PHOTOMETRIC DATA (MEASURED):**

| <b>A</b>   |  |   |
|--|--|---|
| UMIL   | EDS  | 90* 90*   |
| LED  | LUXEON V2  |   |
| FWHM / FWTM  | Asymmetric   | 70°   |
| Efficiency   | 94 %   |   |
| Peak intensity   | 0.9 cd/lm  | 60 00   |
| LEDs/each optic  | 1  | 80  |
| Light colour   | White  | 45* 1000 45*  |
| Required compone   | nts:   | 1200  |
|  |  | 1400  |
|  |  | 1000  |
|  |  | 30* 15 <sup>5</sup> 1690 15* 30*  |
|  |  | 25, 1990 25,  |
|  |  | 90* 90*   |
| LED  | NVSW219D   |   |
| FWHM / FWTM  | Asymmetric   | 755   |
| Efficiency   | 94 %   | 50, <sup>400</sup> 50 <sup>4</sup>  |
| Peak intensity   | 0.9 cd/lm  | 60  |
| LEDs/each optic  | 1  | 80  |
| Light colour   | White  | 45* 45*   |
| Required compone   | nts:   |   |
|  |  | 1230  |
|  |  | 1400  |
|  |  | 30° 1500 30° 30°  |
|  |  |   |
| MNICHIA  |  |   |
|  |  | 50° - 20°   |
| LED  | NVSW319B   |   |
| LED<br>FWHM / FWTM   | NVSW319B<br>Asymmetric   |   |
| LED<br>FWHM / FWTM<br>Efficiency   | NVSW319B<br>Asymmetric<br>94 %   | 40<br>  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity   | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm  |   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1   | 50 <sup>5</sup> 500   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White  | 6°*   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White  | 50 <sup>5</sup> 500   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White  | 50 <sup>5</sup> 500   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White  | 5° 500 5°<br>1239   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White  | 6 <sup>5</sup><br>6 <sup>5</sup><br>6 <sup>5</sup><br>100<br>6 <sup>5</sup><br>6 <sup>5</sup> |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White  | 60° 60°<br>60° 60°<br>1000 60°  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componer   | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:  | 60° 60°<br>60° 60°<br>1000 60°  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componer   | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3  | 60° 60°<br>60° 60°<br>1000 60°  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componer<br>Optic Semiconductors<br>LED<br>FWHM / FWTM   | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric                                    | 60° 60°<br>60° 60°<br>1000 60°  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componer<br>OSRAM<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency   | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric<br>94 %                            | 60° 60°<br>60° 60°<br>1000 60°  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componer<br>OSRAM<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity                             | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric<br>94 %<br>1.2 cd/lm               | 6° 20 6°<br>6° 90 6°<br>100 122   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componer<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                   | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric<br>94 %<br>1.2 cd/lm<br>1          |   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric<br>94 %<br>1.2 cd/lm<br>1<br>White | 50° 200 60°<br>40° 200 40°<br>40° 40°<br>1000 40°   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componer<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                   | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric<br>94 %<br>1.2 cd/lm<br>1<br>White |   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>Optic Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric<br>94 %<br>1.2 cd/lm<br>1<br>White |   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>Optic Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | NVSW319B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1<br>White<br>nts:<br>OSLON Square CSSRM2/CSSRM3<br>Asymmetric<br>94 %<br>1.2 cd/lm<br>1<br>White |   |



# PHOTOMETRIC DATA (MEASURED):

| SEOUL               |            |                          |
|---------------------|------------|--------------------------|
| SEOUL SEMICONDUCTOR |            | 90* 99*                  |
| LED                 | Z5M4       |                          |
| FWHM / FWTM         | Asymmetric | 72                       |
| Efficiency          | 97 %       |                          |
| Peak intensity      | 0.9 cd/lm  | 50°                      |
| LEDs/each optic     | 1          |                          |
| Light colour        | White      | d*d*                     |
| Required compone    | ents:      |                          |
|                     |            | 320                      |
|                     |            | 100                      |
|                     |            | 204 900 394              |
|                     |            | 20° 100<br>13° 0° 13° 0° |



|                      | XP-G2                       | 80   |
|----------------------|-----------------------------|--|
| FWHM / FWTM          | Asymmetric                  | 736 75*  |
| Efficiency           | 94 %                        | 40   |
| Peak intensity       | 1 cd/lm                     | 60 <sup>4</sup> 600 60*  |
| LEDs/each optic      | 1                           |  |
| Light colour         | '<br>White                  | 1000   |
| Required components: | White                       | 45* 65*  |
| Required components. |                             | 1490   |
|                      |                             | 1600   |
|                      |                             | 1800   |
|                      |                             | 30° 13 <sup>3</sup> 0° 15° 30°   |
|                      |                             | 90* 90*  |
| LED                  | XP-G3                       |  |
| FWHM / FWTM          | Asymmetric                  | 750 750  |
| Efficiency           | 83 %                        |  |
| Peak intensity       | 0.6 cd/lm                   | 60° 400 60°.   |
| LEDs/each optic      | 1                           |  |
| Light colour         | White                       | 45* 600 45*  |
| Required components: |                             |  |
|                      |                             | $\times$ / $\top$ / $\times$   |
| Protective plate     | e, glass                    | 1000   |
|                      |                             |  |
|                      |                             | 30<br>13 <sup>5</sup><br>12 <sup>5</sup><br>12 <sup>5</sup><br>15 <sup>4</sup><br>30 |
|                      | )S                          | 90° 90°  |
| LED                  | LUXEON 3030 2D (Round LES)  |  |
| FWHM / FWTM          | Asymmetric                  | 75* 400 78*  |
| Efficiency           | 94 %                        |  |
| Peak intensity       | 1.1 cd/lm                   |  |
| LEDs/each optic      | 1                           | X//T   |
| Light colour         | White                       | 6° 6°  |
| Required components: |                             | 1200   |
|                      |                             |  |
|                      |                             | 1600   |
|                      |                             | 30.4   |
|                      | 5                           |  |
|                      |                             | 90* 90*  |
| LED                  | LUXEON 3030 2D (Square LES) | 75   |
| FWHM / FWTM          | Asymmetric                  | 400  |
| Efficiency           | 94 %                        | 60 <sup>4</sup> 600 60 <sup>4</sup>  |
| Peak intensity       | 1 cd/lm                     |  |
| LEDs/each optic      | 1                           | 1000   |
| Light colour         | White                       | 45°  |
| Required components: |                             |  |
|                      |                             | 1400   |
|                      |                             | 1630   |
|                      |                             |  |
|                      |                             | 30* 15 <sup>5</sup> 0 <sup>6</sup> 15* 30*   |



|  | אר  | THY YHI  |
|--|---|--|
|  |   | 90* 9  |
|  | LUXEON 3030 HE Plus   | 735  |
| FWHM / FWTM  | Asymmetric  | 400  |
| Efficiency   | 95 %  | ave a set of the set o |
| Peak intensity   | 0.8 cd/lm   | 60   |
| LEDs/each optic  | 1   | 800  |
| Light colour   | White   | 45*  |
| Required components:   |   |  |
|  |   | 1220   |
|  |   | 3400   |
|  |   | 30* 15 <sup>5</sup> 16 <sup>30</sup> 19* 3   |
|  | DS  | 90*  |
| LED  | LUXEON 3030 HE Plus   |  |
| FWHM / FWTM  | Asymmetric  | 72.0   |
| Efficiency   | 86 %  |  |
| Peak intensity   | 0.7 cd/lm   | .60*   |
| LEDs/each optic  | 1   |  |
| Light colour   | White   |  |
| Required components:   |   |  |
|  |   | 1000   |
| Protective plat  | le, glass   | 1220   |
|  |   | 30.  |
|  |   |  |
|  |   | 90°  |
|  |   | 9)* · · · · · · · · · · · · · · · · · · ·  |
| LED  | LUXEON 3535L HE PLUS  | 30* 9<br>73* 7   |
| LED<br>FWHM / FWTM   |   | 2 <sup>1</sup>   |
| LED<br>FWHM / FWTM<br>Efficiency   | LUXEON 3535L HE PLUS<br>Asymmetric  | 90° - 9<br>73° - 9<br>60° - 6  |
| LED<br>FWHM / FWTM   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 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:  | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 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>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 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>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>Ite, glass   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>Re, glass  | 201  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>Re, glass  | 201  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>Re, glass  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>te, glass<br>DS<br>LUXEON 3535L HE PLUS<br>Asymmetric<br>95 %<br>0.8 cd/lm               | 200 200 200 200 200 200 200 200 200 200  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>Protective plat<br>CONTINUE<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>te, glass<br>DS<br>LUXEON 3535L HE PLUS<br>Asymmetric<br>95 %<br>0.8 cd/lm<br>1          |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>te, glass<br>DS<br>LUXEON 3535L HE PLUS<br>Asymmetric<br>95 %<br>0.8 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>Protective plat<br>CONTINUE<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>te, glass<br>DS<br>LUXEON 3535L HE PLUS<br>Asymmetric<br>95 %<br>0.8 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>Protective plat   | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>te, glass<br>DS<br>LUXEON 3535L HE PLUS<br>Asymmetric<br>95 %<br>0.8 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>Protective plat<br><b>Orective plat</b><br><b>Orective plat</b> | LUXEON 3535L HE PLUS<br>Asymmetric<br>86 %<br>0.7 cd/lm<br>1<br>White<br>te, glass<br>DS<br>LUXEON 3535L HE PLUS<br>Asymmetric<br>95 %<br>0.8 cd/lm<br>1<br>White |  |



| LUMILED              | DS                 |  |
|----------------------|--------------------|--|
| LED                  | LUXEON HL2X        |  |
| FWHM / FWTM          | Asymmetric         | 75° 75°  |
| Efficiency           | 85 %               |  |
| Peak intensity       | 0.6 cd/lm          | .60° 400 60°.                                    |
| LEDs/each optic      | 1                  |  |
| Light colour         | White              | 15° 660 5°                                       |
| Required components: |                    |  |
|                      |                    | $\times$ / $\top$ / $\times$                     |
| Protective plate     | e, glass           | 1000   |
|                      |                    | 30* 30*  |
|                      |                    | 13 <sup>5</sup>                                  |
|                      |                    | 90* 90*  |
| LED                  | LUXEON HL2X        |  |
| FWHM / FWTM          | Asymmetric         |  |
| Efficiency           | 94 %               | 50° 400 50°.                                     |
| Peak intensity       | 0.7 cd/lm          | 600  |
| LEDs/each optic      | 1                  | $\times$ $\times$ $/$ $\times$ $\times$ $\times$ |
| Light colour         | White              | 45* 800 45*                                      |
| Required components: |                    | 1000   |
|                      |                    |  |
|                      |                    | 1200   |
|                      |                    | 30° 15° 30°                                      |
| <b>Μ</b> ΝΙCΗΙΛ      |                    |  |
|                      |                    | 90 <sup>+</sup> 90 <sup>+</sup>                  |
| LED<br>FWHM / FWTM   | NVSxE21A           | 750 750  |
| Efficiency           | Asymmetric<br>93 % |  |
| Peak intensity       | 1.3 cd/lm          | .50 <sup>4</sup> 810 60*.                        |
| LEDs/each optic      | 1                  |  |
| Light colour         | White              | 1200   |
| Required components: |                    |  |
|                      |                    | 1500   |
|                      |                    |  |
|                      |                    | $\times$ / $\top$ / $\times$                     |
|                      |                    | 30° 119 <sup>6</sup> 0° 119° 30°                 |
| <b>ΜΝΙCΗΙΛ</b>       |                    | 90° 90°  |
| LED                  | NVSxx19B/NVSxx19C  |  |
| FWHM / FWTM          | Asymmetric         | 730 750  |
| Efficiency           | 94 %               | 40   |
| Peak intensity       | 0.9 cd/lm          | 50° <u>600</u> <sup>60*</sup>                    |
| LEDs/each optic      | 1                  |  |
| Light colour         | White              | 45* 2000 45*                                     |
| Required components: |                    |  |
|                      |                    | 1200   |
|                      |                    | 3430   |
|                      |                    | 30* 1650 30*                                     |
|                      |                    |  |



| OSRAM<br>Opto Semiconductors  |  |  |
|---|--|--|
| LED   | OSCONIQ C 2424   |  |
| FWHM / FWTM   | Asymmetric   | 25. 25.  |
| Efficiency  | 87 %   | 400  |
| Peak intensity  | 1 cd/lm  | 50° 600 60°  |
|   |  |  |
| LEDs/each optic   | 1<br>White   |  |
| Light colour  | White  | 45, 43,  |
| Required components:  |  | 1230   |
| Protective plate  | e, glass   | 1400   |
|   |  | 1630   |
|   |  | 30* <u>155</u> 0° 15° 31°  |
| OSRAM<br>Opto Semiconductors  |  | 90* 90*  |
| LED   | OSCONIQ C 2424   |  |
| FWHM / FWTM   | Asymmetric   | 238 400 705  |
| Efficiency  | 95 %   |  |
| Peak intensity  | 1.1 cd/im  | 60 <sup>6</sup> 60 <sup>6</sup>  |
| LEDs/each optic   | 1  | $\times$ / $\top$ $\times$   |
| Light colour  | White  | 47 I200 674  |
| Required components:  | White  |  |
|   |  | 1000   |
|   |  | $\times$ / T / X   |
|   |  | 2000   |
|   |  | 30° 15° 0° 15° 30°   |
|   |  |  |
| OSRAM   |  | THA KHEN   |
| Opto Semiconductors   |  |  |
| Opto Semiconductors<br>LED  | OSCONIQ P 3030   | 90° 90°<br>25° 00 72°  |
| Opto Semiconductors<br>LED<br>FWHM / FWTM   | Asymmetric   | 97<br>73<br>60<br>60   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency   | Asymmetric<br>95 %   |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity   | Asymmetric<br>95 %<br>0.9 cd/lm  |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | Asymmetric<br>95 %<br>0.9 cd/lm<br>1   | 61 <sup>4</sup> 900 67 <sup>4</sup>  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | Asymmetric<br>95 %<br>0.9 cd/lm  |  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | Asymmetric<br>95 %<br>0.9 cd/lm<br>1   | 50 <sup>3</sup> 600 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>95 %<br>0.9 cd/lm<br>1   | 60° 000 00° 00° 00° 00° 00° 00° 00° 00°  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | Asymmetric<br>95 %<br>0.9 cd/lm<br>1   | 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | Asymmetric<br>95 %<br>0.9 cd/lm<br>1   | 55 <sup>5</sup> 60 67<br>80<br>45 <sup>7</sup> 2000 6 <sup>9</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>95 %<br>0.9 cd/lm<br>1   | 50° 60 60°<br>50° 1000 6°<br>1000 6°<br>1000 6°  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White  | 50° 60 60°<br>50° 1000 6°<br>1000 6°<br>1000 6°  |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)   | 50° 60 60°<br>50° 2000 60°<br>1000 60° |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>OSRAM<br>Opto Semiconductors<br>LED<br>FWHM / FWTM  | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric                           | 60 60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>6   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>OSRAM<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency                                      | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %                   | 20-<br>20-<br>20-<br>20-<br>20-<br>20-<br>20-<br>20-   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>OSRAM<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity                    | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %<br>0.8 cd/lm      | 60 60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>6   |
| opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>OSRAM<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1 |  |
| opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:  COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour                            | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %<br>0.8 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>OSRAM<br>Opto Semiconductors<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1 |  |
| opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:  COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour                            | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1 |  |
| opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:  COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour                            | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1 |  |
| opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:  COSRAM Opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour                            | Asymmetric<br>95 %<br>0.9 cd/lm<br>1<br>White<br>OSCONIQ P 3737 (2W version)<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1 |  |



| OSRAM<br>Opto Semiconductors  |  | 90* 90*  |
|---|--|--|
| LED   | OSLON Square CSSRM2/CSSRM3   |  |
| FWHM / FWTM   | Asymmetric   | 73° 300 75°  |
| Efficiency  | 89 %   | 400  |
| Peak intensity  | 1 cd/lm  | 604 600 60*  |
| LEDs/each optic   | 1  | 00   |
| Light colour  | White  | 45* 1000 45*   |
| Required components:  |  |  |
|   |  | 1270   |
| Protective plate  | e, glass   | 1430   |
|   |  | 1000   |
|   |  | 30* 30* 30*  |
| OSRAM<br>Opto Semiconductors  |  | 90* 90*  |
| LED   | OSLON Square PC  |  |
| FWHM / FWTM   | Asymmetric   | 70° 000  |
| Efficiency  | 89 %   | 40   |
| Peak intensity  | 0.8 cd/lm  | , 60 <sup>4</sup>  |
| LEDs/each optic   | 1  | eio -  |
| Light colour  | White  | 45* 000 45*  |
| Required components:  |  |  |
|   |  | 1000   |
| Protective plate  | e, glass   | 1200   |
|   |  | 30* 309  |
|   |  | 30° 1400 30° 30°   |
| OSRAM<br>Opto Semiconductors  |  |  |
|   |  | 90* 90*  |
|   | OSLON Square PC  | 90* 90*  |
| LED<br>FWHM / FWTM  | OSLON Square PC<br>Asymmetric  | 20 Array Str. Bis  |
| LED<br>FWHM / FWTM  | OSLON Square PC<br>Asymmetric<br>94 %  |  |
| LED<br>FWHM / FWTM<br>Efficiency  | Asymmetric<br>94 %   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity  | Asymmetric   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | Asymmetric<br>94 %<br>1 cd/lm  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1 cd/lm<br>1   | . 40 <sup>4</sup> 000 007  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | Asymmetric<br>94 %<br>1 cd/lm<br>1   | 40 <sup>4</sup> 00 00 00 00 00 00 00 00 00 00 00 00 00   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1 cd/lm<br>1   | 6°, 129<br>6°, 129<br>6°, 6°, 6°, 6°, 6°, 6°, 6°, 6°, 6°, 6°,  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | Asymmetric<br>94 %<br>1 cd/lm<br>1   | 60 <sup>4</sup><br>60 <sup>4</sup><br>60 <sup>4</sup><br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White  | 65 109 67<br>109 67<br>149   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White  | 00 00 00 00 00 00 00 00 00 00 00 00 00   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White  | 00 00 00 00 00 00 00 00 00 00 00 00 00   |
| 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   | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White  | 00 00 00 00 00 00 00 00 00 00 00 00 00   |
| 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  | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric                           | 00 00 00 00 00 00 00 00 00 00 00 00 00   |
| 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  | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric<br>94 %                   | 60° 60° 60°<br>60° 1000 60°<br>1000 60°<br>1000 100 100 100<br>1000 100 1000   |
| 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                                    | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric<br>94 %<br>0.8 cd/lm      | 60° 60° 60°<br>60° 1000 60°<br>1000 60°<br>1000 100 100 100<br>1000 100 1000   |
| 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                 | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric<br>94 %<br>0.8 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 | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric<br>94 %<br>0.8 cd/lm      | 00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00   |
| 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                 | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric<br>94 %<br>0.8 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 | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric<br>94 %<br>0.8 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 | Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White<br>G<br>LH351B<br>Asymmetric<br>94 %<br>0.8 cd/lm<br>1 |  |



| SAMSUI   | NG  |      | 90   |                             |                         |
|--|---|------|--|-----------------------------|-------------------------|
| LED  | LH351B  |      |  |                             |                         |
| FWHM / FWTM  | Asymmetric  |      | .75  |                             |                         |
| Efficiency   | 86 %  |      |  |                             |                         |
| Peak intensity   | 0.6 cd/lm   |      | .60  | ~ / <del> </del> 40         | •                       |
| LEDs/each optic  | 1   |      | 2  |                             |                         |
| Light colour   | White   |      | 45   |                             |                         |
| Required components:   |   |      |  |                             | . 1                     |
| Protective pla   |   |      |  |                             |                         |
| FIDIECTIVE pla   | ile, glass  |      |  | 10                          |                         |
|  |   |      | /30  | 155 188                     | 0 <u>15</u> *           |
| SAMSUI   | NG  |      | 90   | THY.                        | ATT                     |
| LED  | LH351C  |      |  |                             |                         |
| FWHM / FWTM  | Asymmetric  |      | 75   | M                           | T N P                   |
| Efficiency   | 94 %  |      |  | 40                          | . 7 / /                 |
| Peak intensity   | 0.9 cd/lm   |      | .50  |                             | $\rightarrow$           |
| LEDs/each optic  | 1   |      |  | XX                          | $\mathcal{X}$           |
| Light colour   | White   |      | 45   | $\times$ $\times$ $/$       |                         |
| Required components:   |   |      |  |                             | •                       |
|  |   |      |  | 12                          | • TX                    |
|  |   |      |  | 14                          | • + >                   |
|  |   |      | ×  | 16                          | 0                       |
|  |   |      | /30  | 135 0                       |                         |
|  |   |      | 90   | . MY                        | FHT                     |
| LED  | Z5M1/Z5M2   |      |  |                             |                         |
| FWHM / FWTM  | Asymmetric  |      | .75  |                             |                         |
| Efficiency   | 89 %  |      |  | 40                          | · Freedow               |
| Peak intensity   | 0.8 cd/lm   |      | 60   | $\sim$ $\sim$ $\sim$ $\sim$ | $\mathcal{W}$           |
| LEDs/each optic  | 1   |      | <u></u>  | $\vee \vee \square$         | $\neg \checkmark \land$ |
| Light colour   | White   |      | 45   |                             |                         |
| Required economic to   |   |      |  |                             |                         |
| Required components:   |   |      |  | 10                          | 0 T                     |
|  |   |      |  |                             |                         |
| Protective pla   |   |      |  | 10                          |                         |
|  |   |      |  |                             | •                       |
| Protective pla   |   |      | 200  |                             | •                       |
|  |   | <br> | 20   |                             | •                       |
| Protective pla   |   | <br> |  |                             | •                       |
| Protective pla   | te, glass   |      | 290  |                             |                         |
| Protective pla   | te, glass<br>Z5M1/Z5M2  |      | 20   |                             |                         |
| Protective pla   | te, glass<br>Z5M1/Z5M2<br>Asymmetric                                  |      |  |                             |                         |
| Protective pla   | te, glass<br>Z5M1/Z5M2<br>Asymmetric<br>94 %                          |      | 90   |                             |                         |
| Protective pla<br>scoul semiconductor<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity                                    | te, glass<br>Z5M1/Z5M2<br>Asymmetric<br>94 %<br>1 cd/lm               |      | 200<br>200<br>250<br>250<br>250<br>250<br>250<br>250<br>250<br>250 |                             |                         |
| Protective pla<br>scoul semiconductor<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                 | te, glass<br>Z5M1/Z5M2<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White |      | 20   |                             |                         |
| Protective pla<br>seous semiconductor<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | te, glass<br>Z5M1/Z5M2<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White |      | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200 |                             |                         |
| Protective pla<br>scoul semiconductor<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | te, glass<br>Z5M1/Z5M2<br>Asymmetric<br>94 %<br>1 cd/lm<br>1<br>White |      | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200 |                             |                         |



# PRODUCT DATASHEET C16005\_STRADELLA-8-T1-A

#### **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:

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