

## FLORENCE-1R-UP

Asymmetric beam for uplighting

### SPECIFICATION:

|                |                 |
|----------------|-----------------|
| Dimensions     | 285.6 x 19.5 mm |
| Height         | 6.9 mm          |
| Fastening      | clips           |
| ROHS compliant | yes ⓘ           |

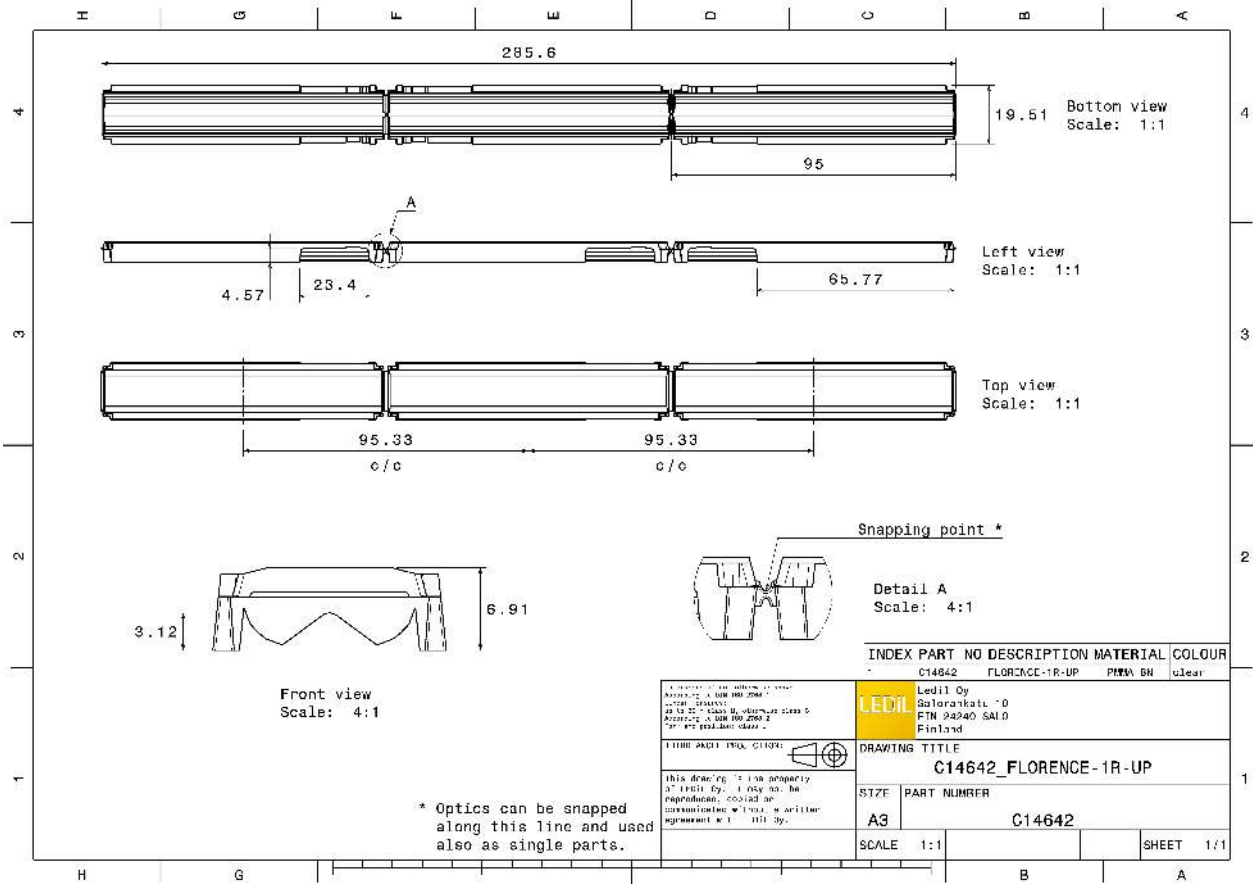
### MATERIALS:

| Component      | Type        | Material | Colour | Finish |
|----------------|-------------|----------|--------|--------|
| FLORENCE-1R-UP | Linear lens | PMMA     | clear  |        |




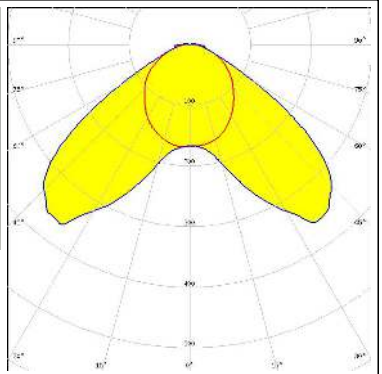

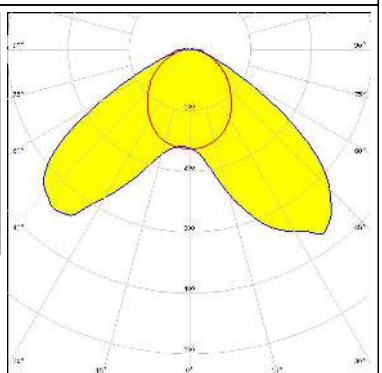
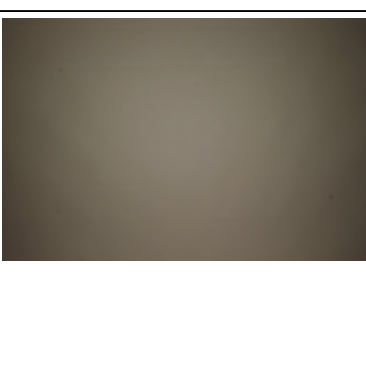
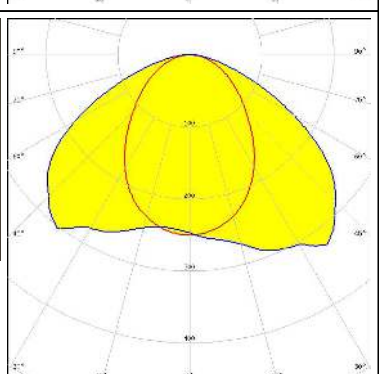
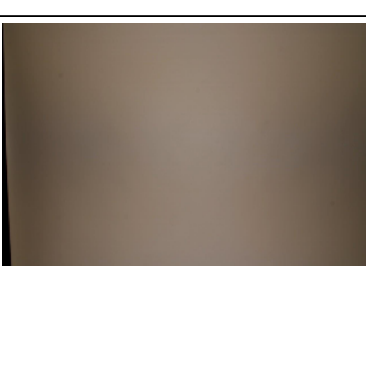
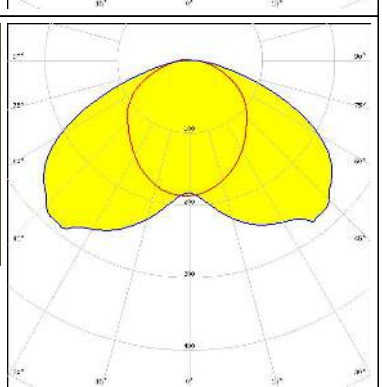
### ORDERING INFORMATION:

| Component   | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|-----|-----|-----------------|
| C14642_FLORENCE-1R-UP<br>» Box size: 480 x 280 x 300 mm | 210        | 45  | 15  | 8.2             |

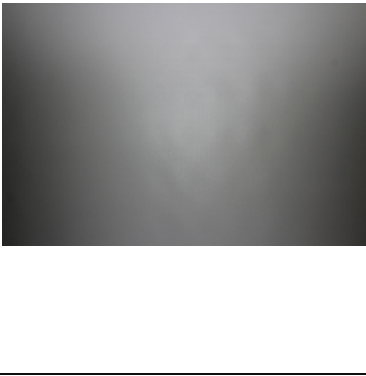
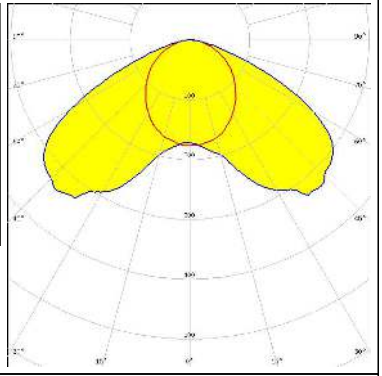

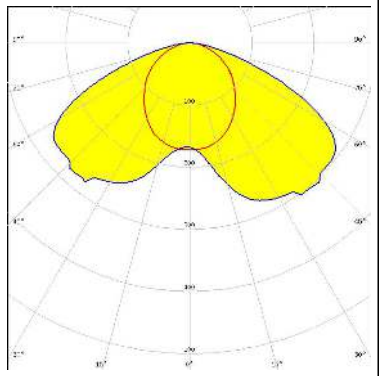

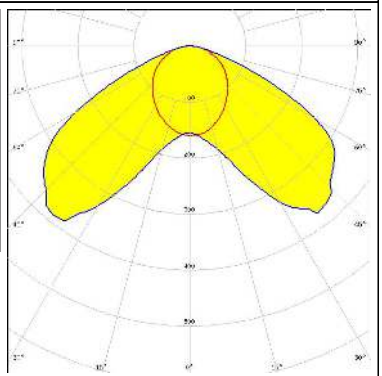

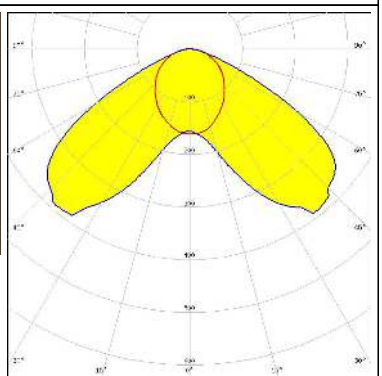


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

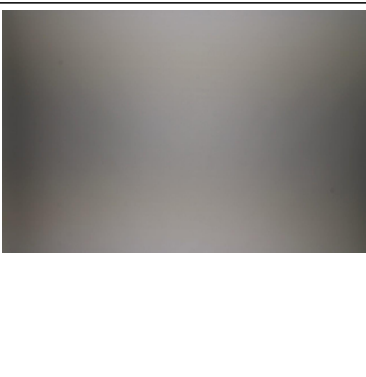
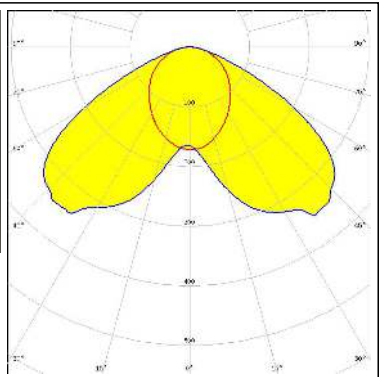

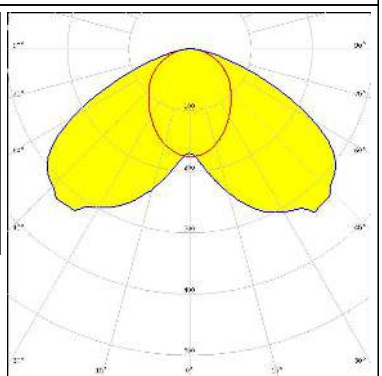

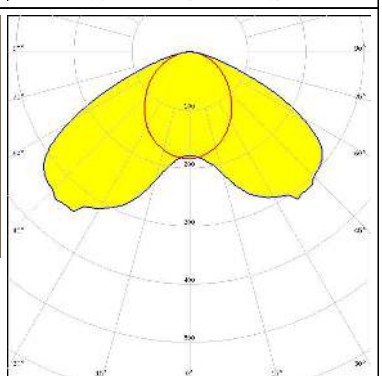

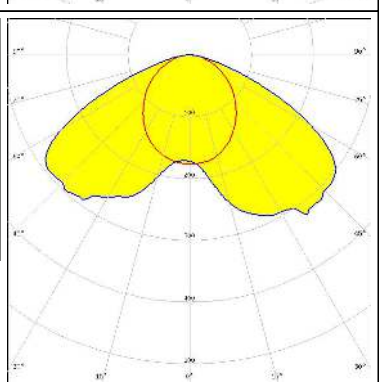
#### OPTICAL RESULTS (MEASURED):

|   |  |   |
|---|--|---|
| <p><b>aled</b></p> <p>LED CALGD0414-M8W1</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>            |    |    |
| <p><b>aled</b></p> <p>LED CALGD0814-M17W1</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>           |   |   |
| <p><b>CEZOS</b></p> <p>LED L0-280024-xxx-C0800-L267</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
| <p><b>CREE LED</b></p> <p>LED XH-B/G</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                |  |  |


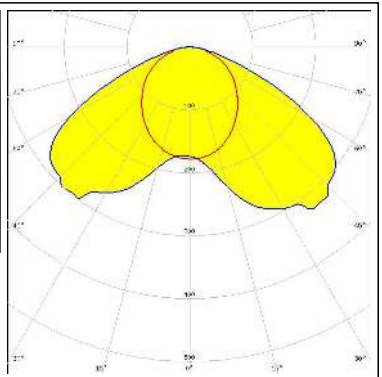

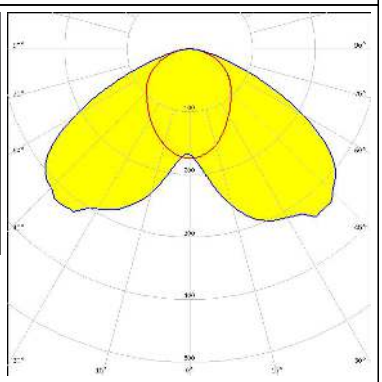

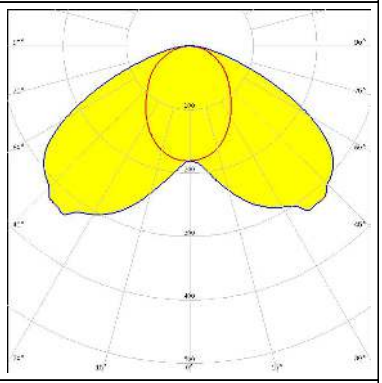

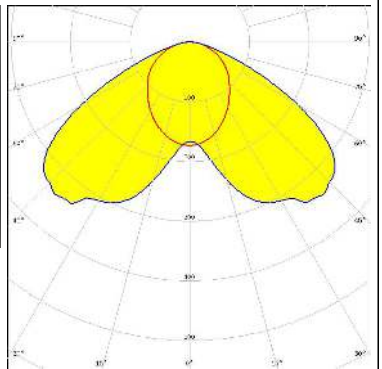
#### OPTICAL RESULTS (MEASURED):

|  |  |   |
|--|--|---|
| <p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XP-E<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 90 %<br/>           Peak intensity: 0.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>  |    |    |
| <p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XP-G2<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 90 %<br/>           Peak intensity: 0.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |   |   |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON 3014<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 92 %<br/>           Peak intensity: 0.4 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>    |  |  |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON 3020<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 92 %<br/>           Peak intensity: 0.4 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>    |  |  |

#### OPTICAL RESULTS (MEASURED):

|   |  |   |
|---|--|---|
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |    |    |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 3535L</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>               |   |   |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>               |  |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>            |  |  |

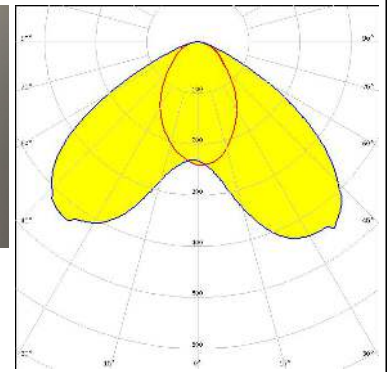
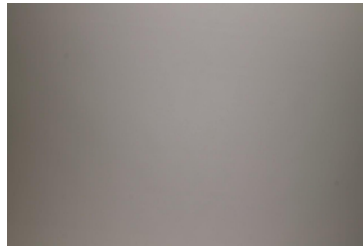
#### OPTICAL RESULTS (MEASURED):

|  |  |   |
|--|--|---|
| <p><b>NICHIA</b></p> <p>LED NCSxx19B<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 90 %<br/>           Peak intensity 0.3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>   |    |    |
| <p><b>NICHIA</b></p> <p>LED NF2x757G<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 90 %<br/>           Peak intensity 0.3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>   |   |   |
| <p><b>NICHIA</b></p> <p>LED NFSW757H<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 92 %<br/>           Peak intensity 0.3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           C14353_FLORENCE-1R-CLIP-A</p>        |  |  |
| <p><b>OSRAM</b><br/> <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip)<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 91 %<br/>           Peak intensity 0.3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |  |  |

#### OPTICAL RESULTS (MEASURED):

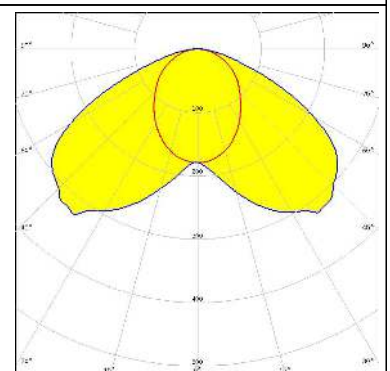
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



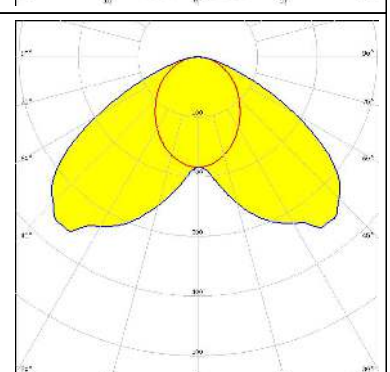
**PHILIPS**

LED Fortimo LED Line 1ft 2000lm 1R HV4  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



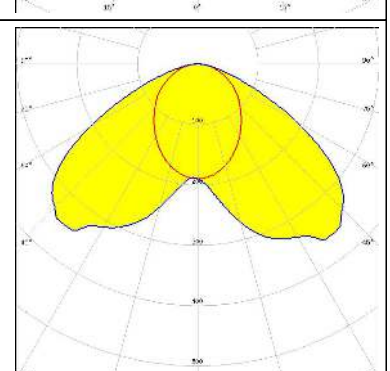
**PHILIPS**

LED Fortimo LED Line 1ft HF 1R HV5  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



**PHILIPS**

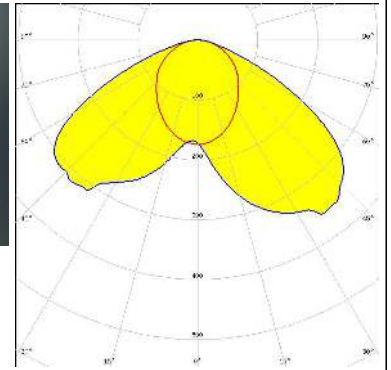
LED Fortimo LED Line 1ft MF 1R HV5 & LV5  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



#### OPTICAL RESULTS (MEASURED):

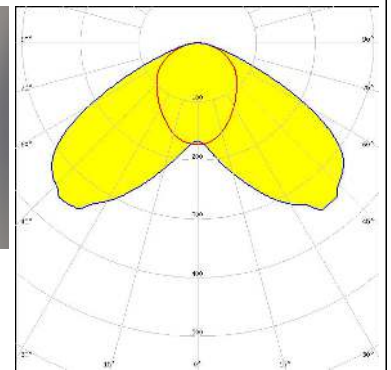
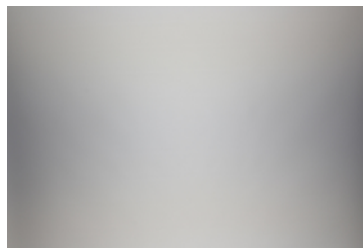
#### SAMSUNG

LED LM28xB Series  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



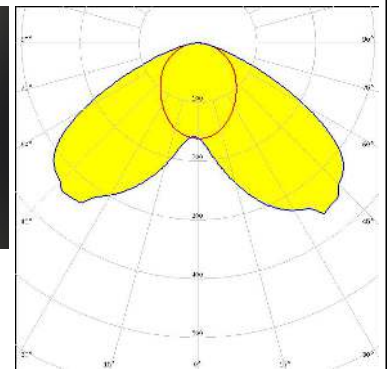
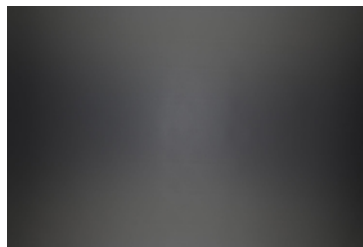
#### SAMSUNG

LED LM301A  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



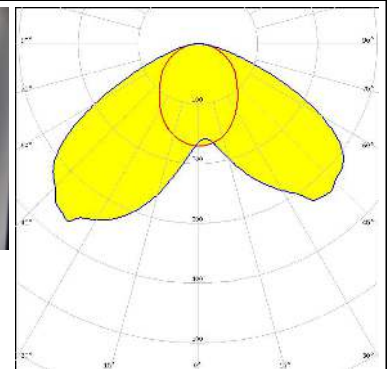
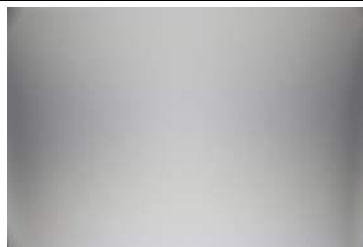
#### SAMSUNG

LED LM561C  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

LED LT-S282N  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

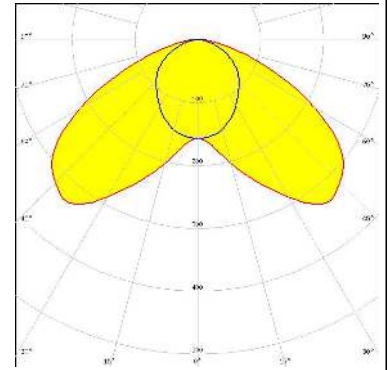
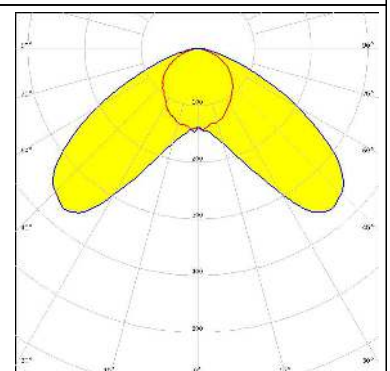
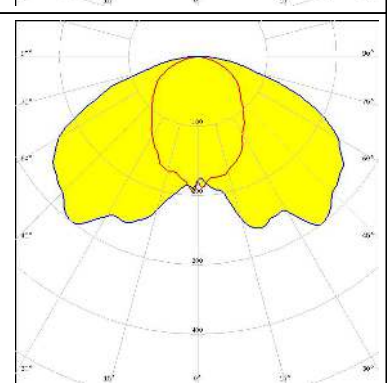
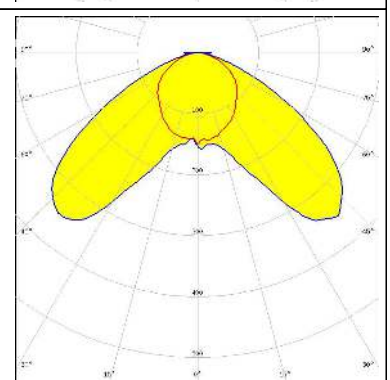




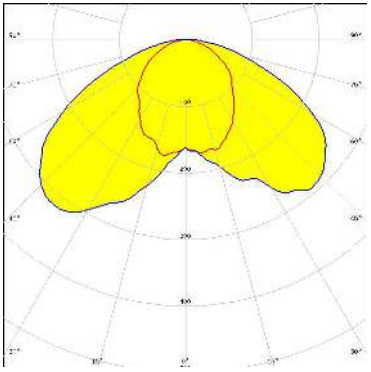
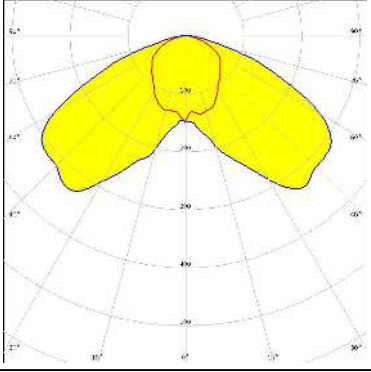
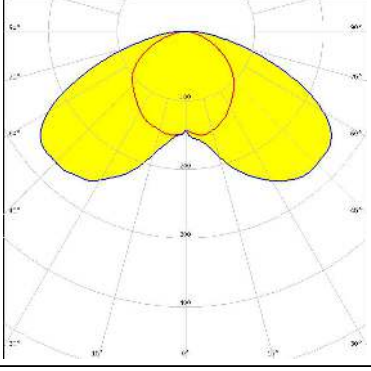
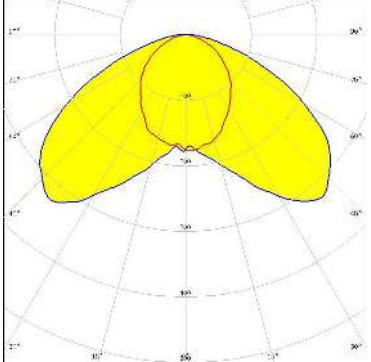
#### OPTICAL RESULTS (MEASURED):

|  |   |  |
|--|---|--|
| <p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL 3030</p> <p>FWHM / FWTM        Asymmetric</p> <p>Efficiency            91 %</p> <p>Peak intensity        0.3 cd/lm</p> <p>LEDs/each optic     1</p> <p>Light colour         White</p> <p>Required components:</p>   |   |   |
| <p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL DC 3030</p> <p>FWHM / FWTM        Asymmetric</p> <p>Efficiency            92 %</p> <p>Peak intensity        0.4 cd/lm</p> <p>LEDs/each optic     1</p> <p>Light colour         White</p> <p>Required components:</p> <p>    C14353_FLORENCE-1R-CLIP-A</p> |  |  |

#### OPTICAL RESULTS (SIMULATED):

|  |   |
|--|---|
| <p><b>CREE</b> LED</p> <p>LED: J Series 3030<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 89 %<br/>           Peak intensity: 0.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>  |    |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON CSP HL1<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 89 %<br/>           Peak intensity: 0.4 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |   |
| <p><b>NICHIA</b></p> <p>LED: NF2W585AR-P8<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 91 %<br/>           Peak intensity: 0.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>     |  |
| <p><b>NICHIA</b></p> <p>LED: NFSWE11A<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 86 %<br/>           Peak intensity: 0.4 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>         |  |

#### OPTICAL RESULTS (SIMULATED):

|  |   |   |
|--|---|---|
| <b>OSRAM</b><br><small>Opto Semiconductors</small> | <p>LED Duris E 2835</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>             |    |
| <b>OSRAM</b><br><small>Opto Semiconductors</small> | <p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>           |   |
| <b>OSRAM</b><br><small>Opto Semiconductors</small> | <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p> |  |
| <b>SAMSUNG</b>                                     | <p>LED LM561B Plus</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>              |  |

#### OPTICAL RESULTS (SIMULATED):



#### 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.

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