

## FLORENCE-1R-UP

Asymmetric beam for uplighting

### SPECIFICATION:

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

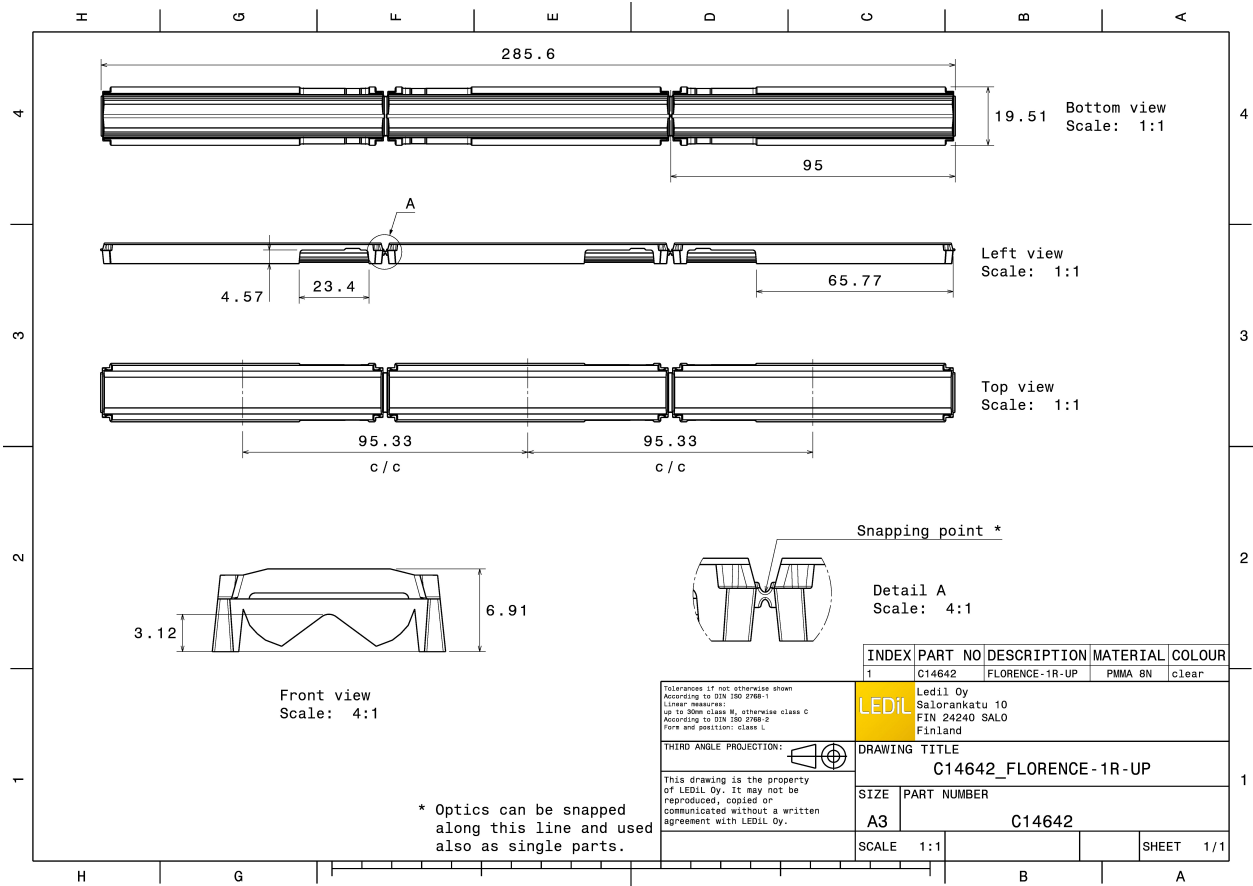
### MATERIALS:

| 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             |



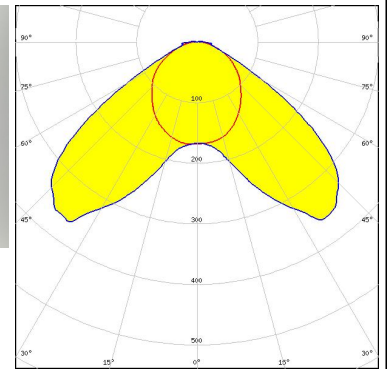


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

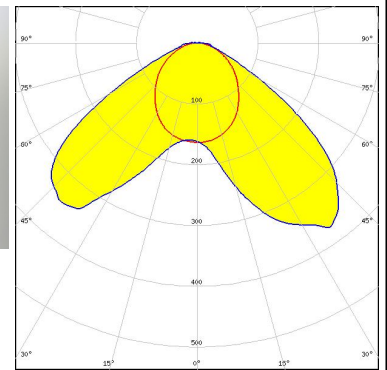
#### OPTICAL RESULTS (MEASURED):



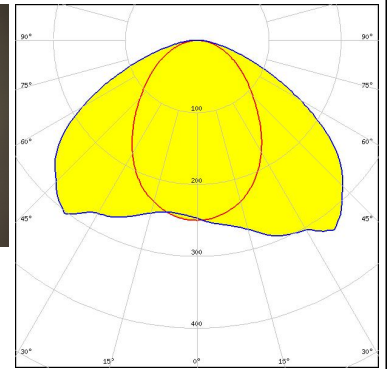
LED CALGD0414-M8W1  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



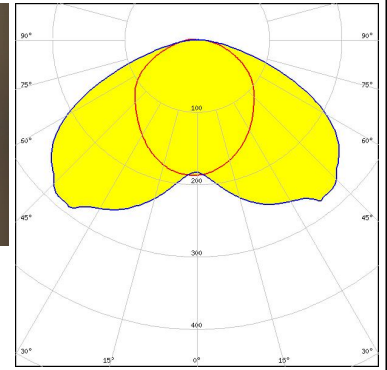
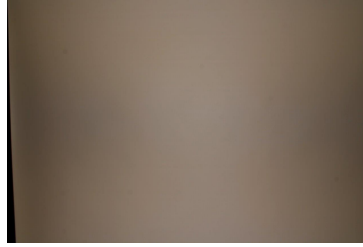
LED CALGD0814-M17W1  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED L0-280024-xxx-C0800-L267  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



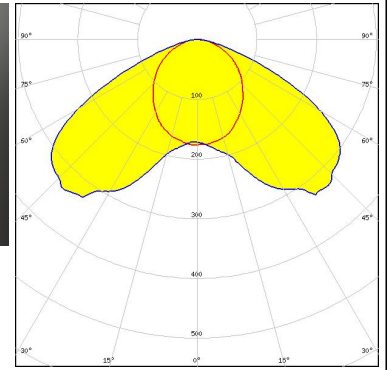
LED XH-B/G  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



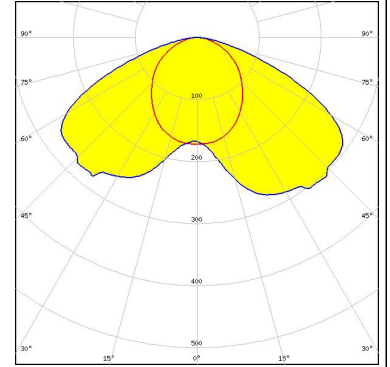
#### OPTICAL RESULTS (MEASURED):



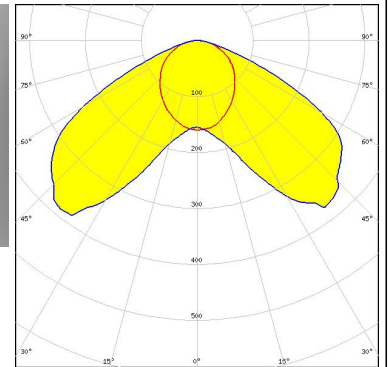
LED XP-E  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



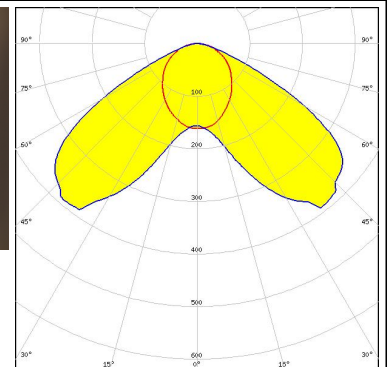
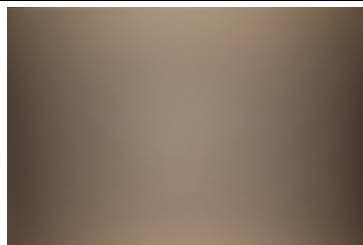
LED XP-G2  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



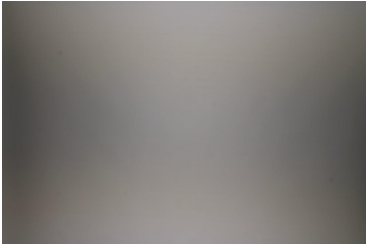
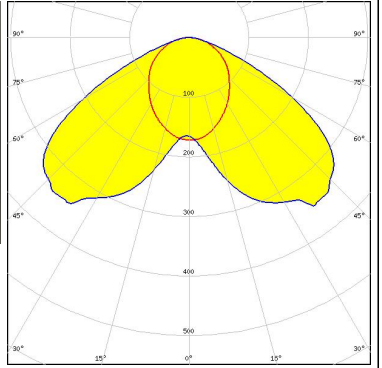
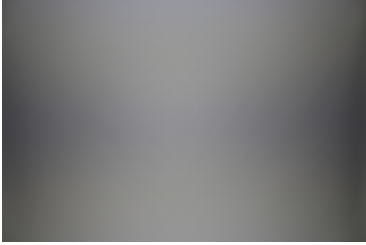
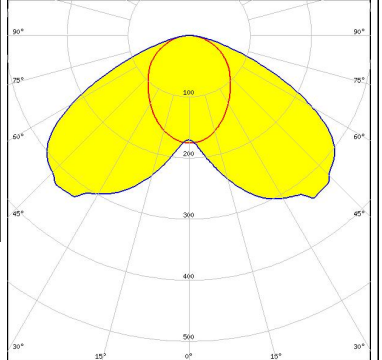
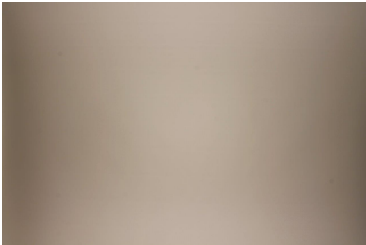
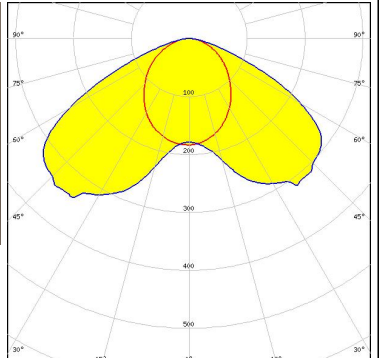
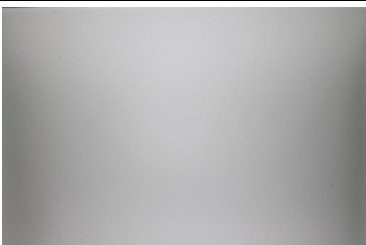
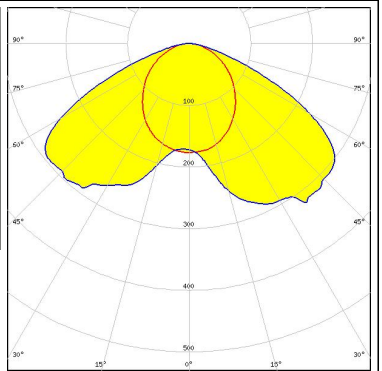
LED LUXEON 3014  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



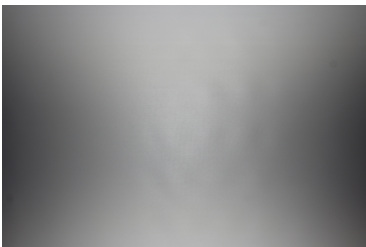
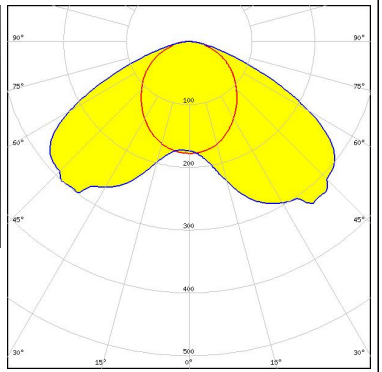
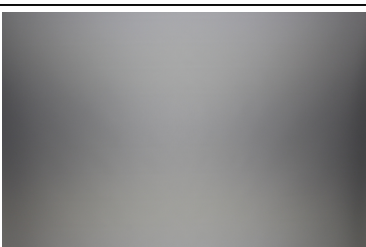
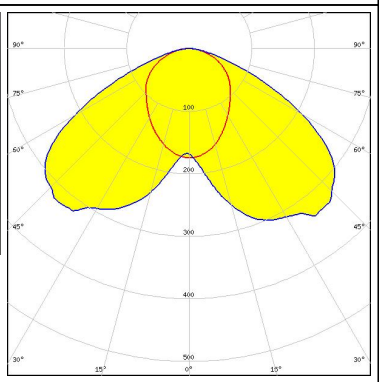
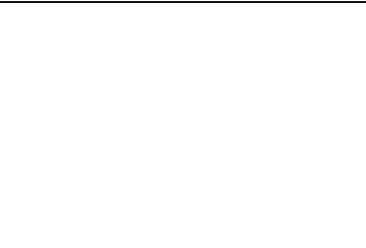
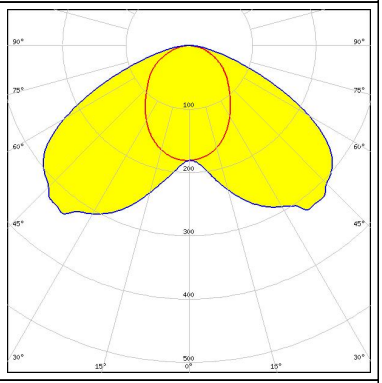
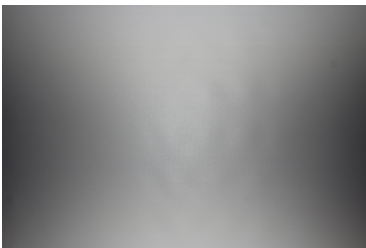
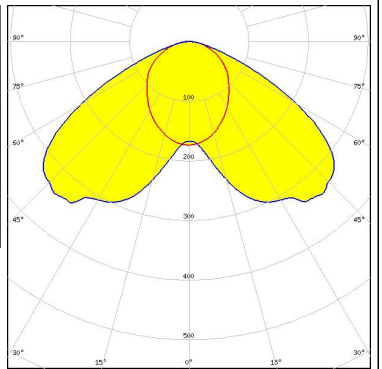
LED LUXEON 3020  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### 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):

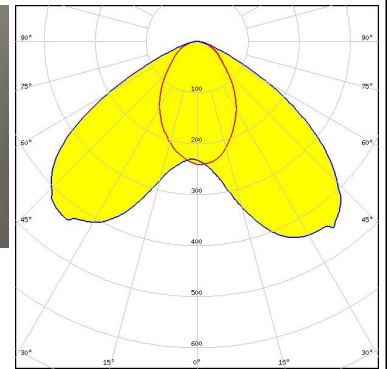
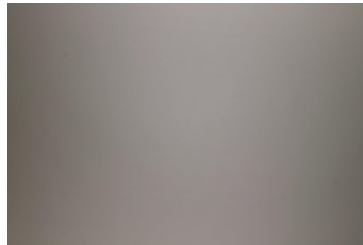
|  |  |   |
|--|--|---|
| <p><b>NICHIA</b></p> <p>LED NCSxx19B<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 90 %<br/>           Peak intensity 0.3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>   |    |    |
| <p><b>NICHIA</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

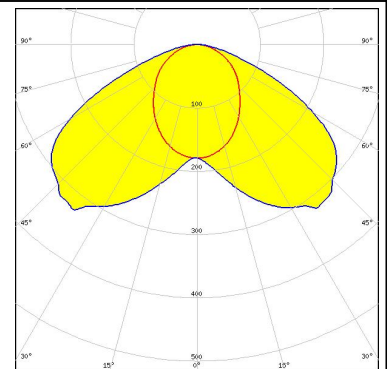
Opto Semiconductors

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



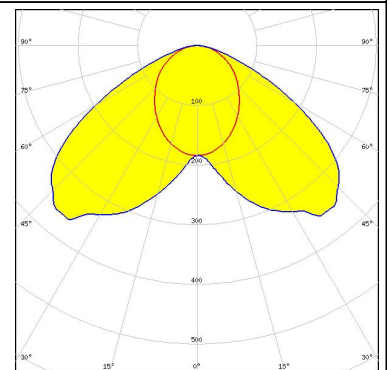
#### PHILIPS

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



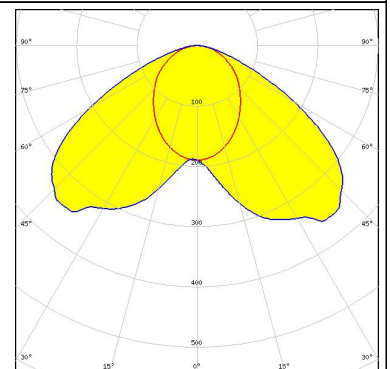
#### PHILIPS

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

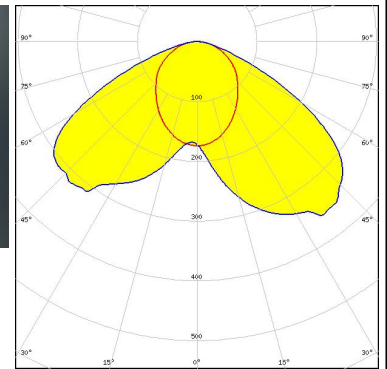
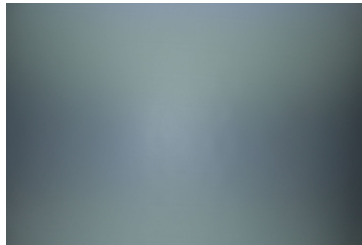
LED Fortimo LED Line 1ft MF 1R HV5 & LV5  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



#### OPTICAL RESULTS (MEASURED):

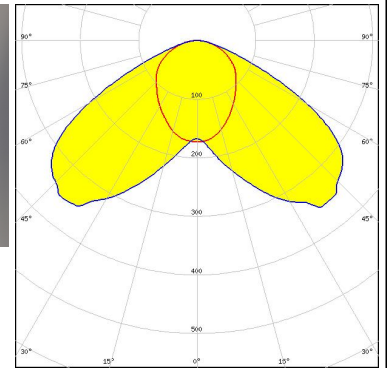
#### SAMSUNG

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



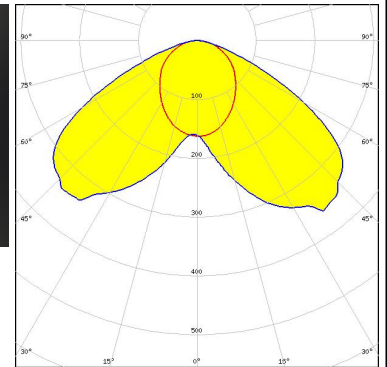
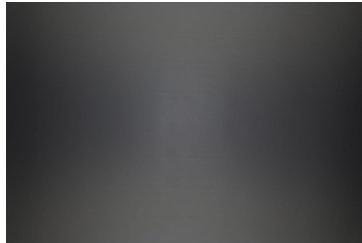
#### SAMSUNG

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



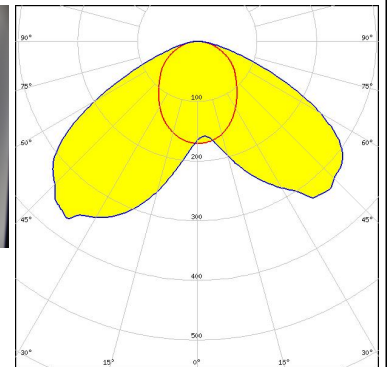
#### SAMSUNG

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




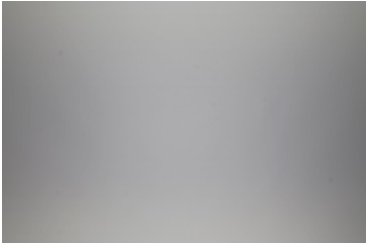
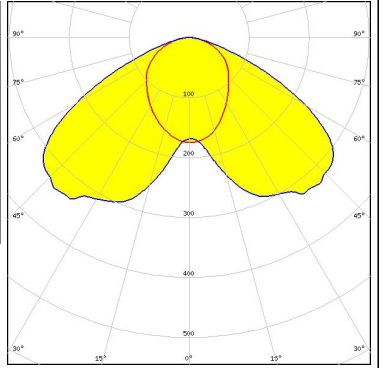

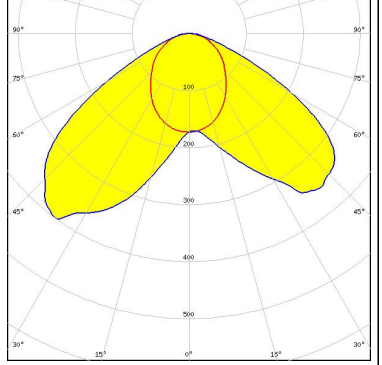
#### SAMSUNG

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

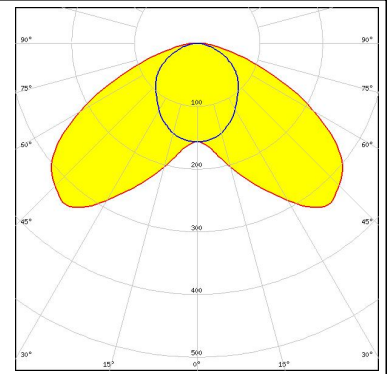
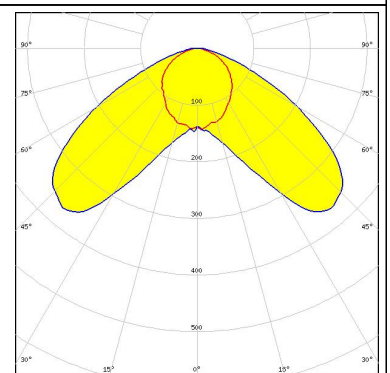
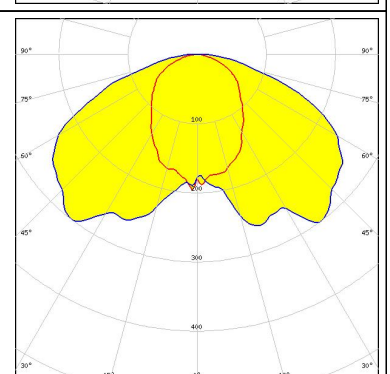
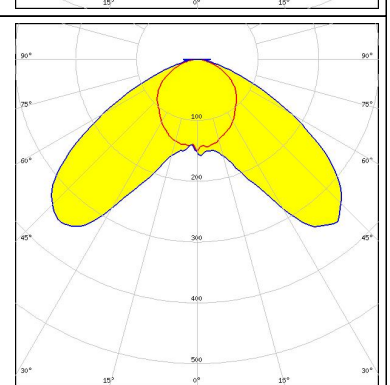




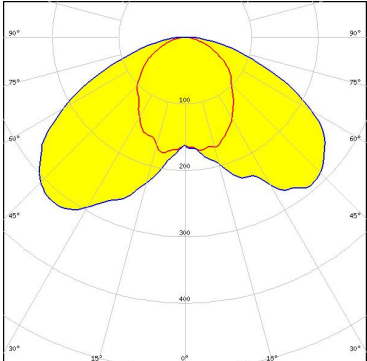
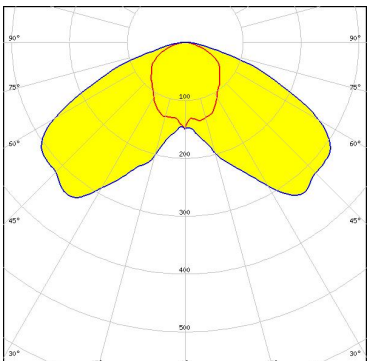
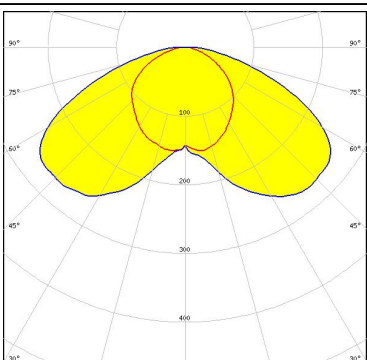
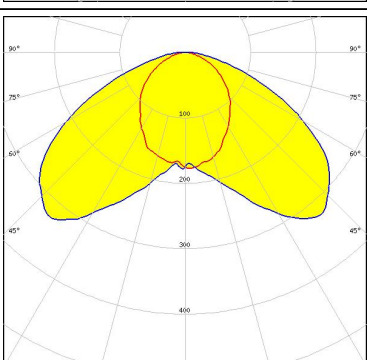
#### OPTICAL RESULTS (MEASURED):

|   |  |  |
|---|--|--|
| <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:<br/>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):

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

### 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)