

## FLORENCE-1R-O

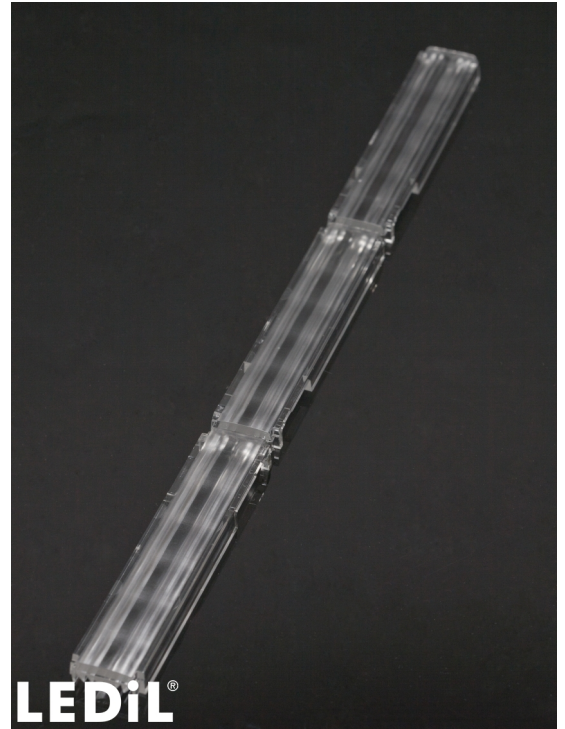
~95° + 30° oval beam

### SPECIFICATION:

Dimensions	285.6 x 19.5 mm
Height	7 mm
Fastening	glue, clips
ROHS compliant	yes ⓘ

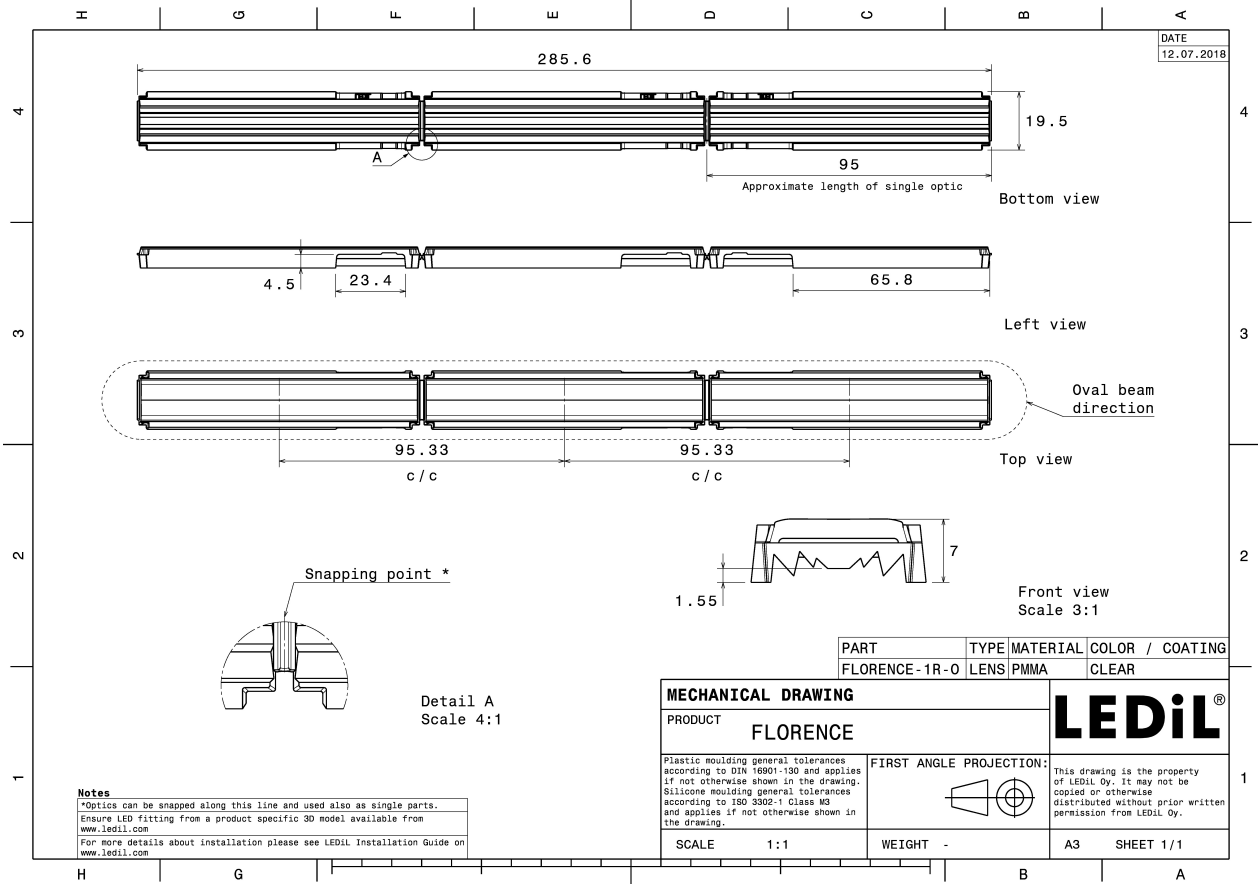
### MATERIALS:

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



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14454_FLORENCE-1R-O » Box size: 480 x 280 x 300 mm	210	45	15	8.1

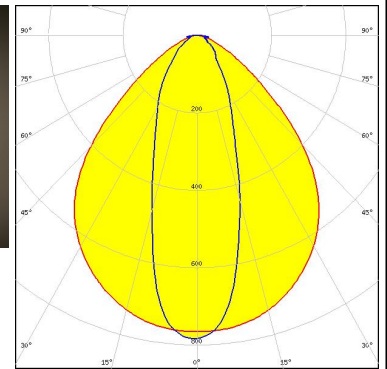


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

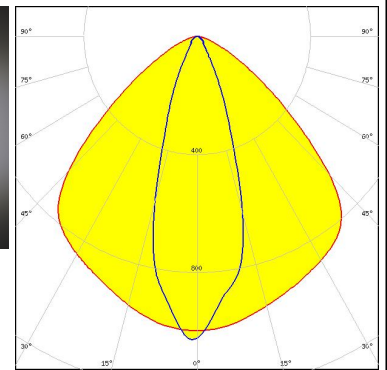
#### CEZOS

LED L0-280024-xxx-C0800-L267  
 FWHM / FWTM 92.0 + 35.0° / 131.0 + 89.0°  
 Efficiency 91 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



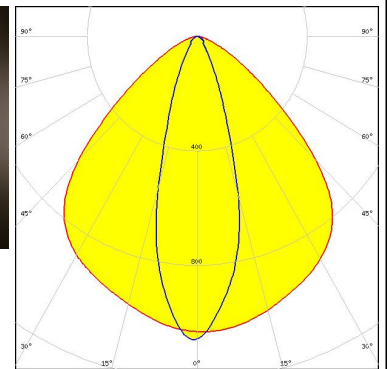
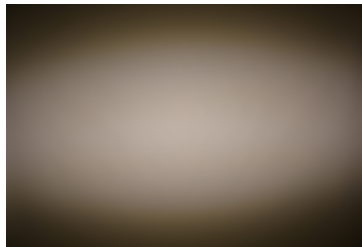
#### LUMILEDS

LED LUXEON 3014  
 FWHM / FWTM 98.0 + 33.0° / 133.0 + 59.0°  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



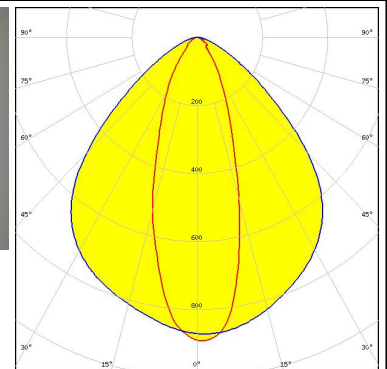
#### LUMILEDS

LED LUXEON 3020  
 FWHM / FWTM 95.0 + 31.0° / 131.0 + 59.0°  
 Efficiency 93 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

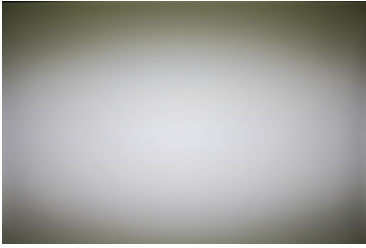
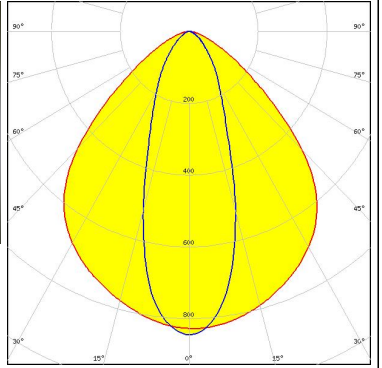
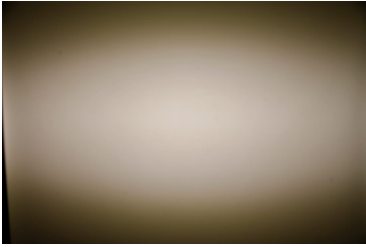
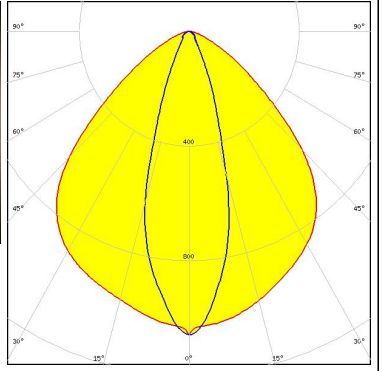
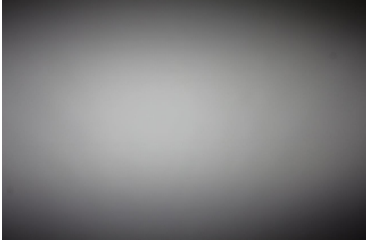
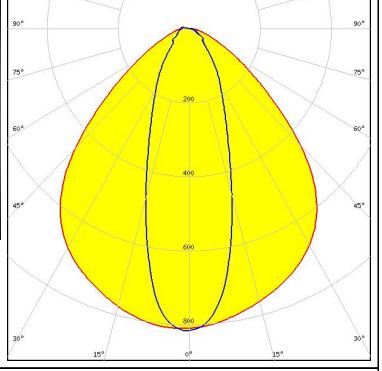
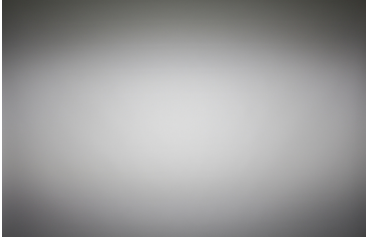
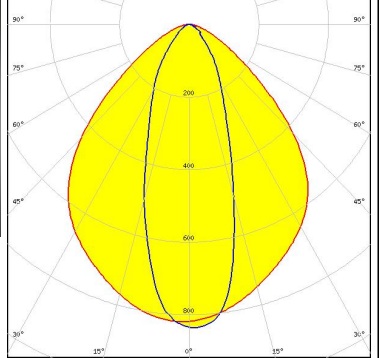


#### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 93.0 + 34.0° / 131.0 + 75.0°  
 Efficiency 91 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


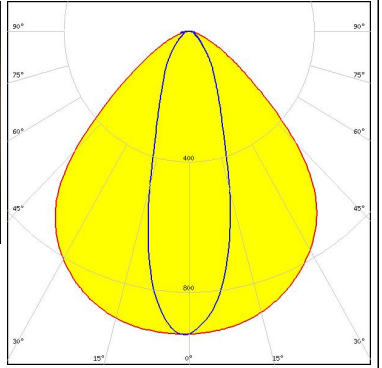
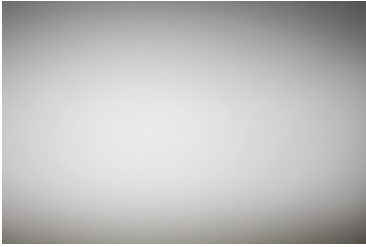
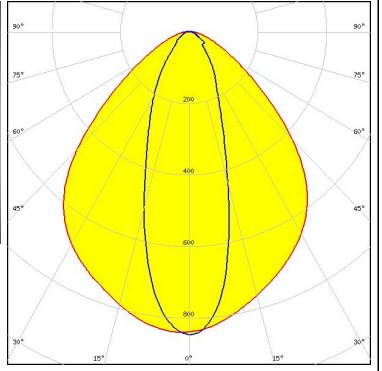
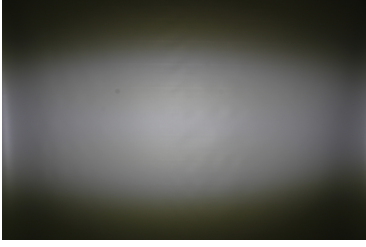
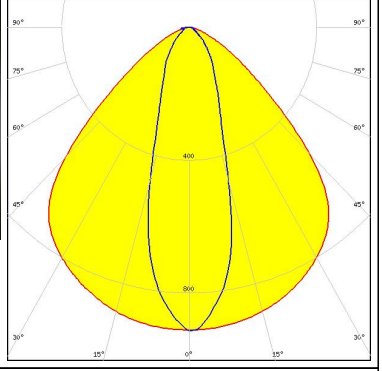
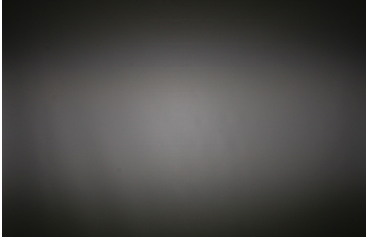
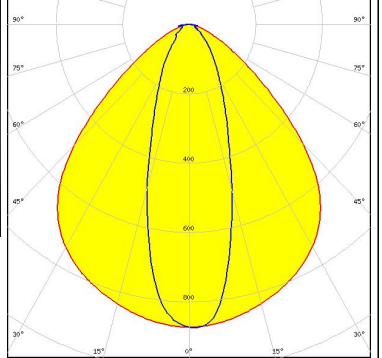


#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 3535L</p> <p>FWHM / FWTM 93.0 + 35.0° / 132.0 + 85.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMINUS</b></p> <p>LED MP-2016</p> <p>FWHM / FWTM 94.0 + 31.0° / 130.0 + 57.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NF2x757D</p> <p>FWHM / FWTM 93.0 + 34.0° / 137.0 + 85.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NF2x757G</p> <p>FWHM / FWTM 92.0 + 35.0° / 133.0 + 84.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		



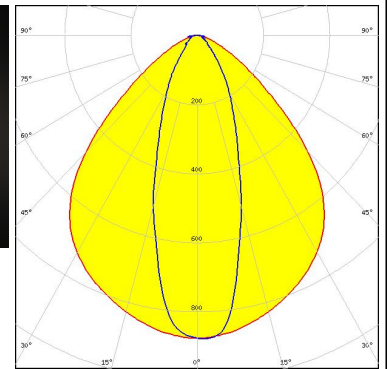
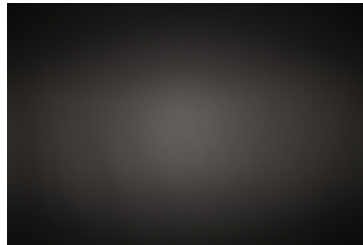
#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NFSW757H            FWHM / FWTM 92.0 + 31.0° / 129.0 + 80.0°            Efficiency 94 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14353_FLORENCE-1R-CLIP-A</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip)            FWHM / FWTM 92.0 + 33.0° / 135.0 + 92.0°            Efficiency 91 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo LED Line 1ft 2000lm 1R HV4            FWHM / FWTM 95.0 + 31.0° / 131.0 + 81.0°            Efficiency 94 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14353_FLORENCE-1R-CLIP-A</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo LED Line 1ft HF 1R HV5            FWHM / FWTM 94.0 + 34.0° / 132.0 + 82.0°            Efficiency 96 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14353_FLORENCE-1R-CLIP-A</p>		

#### OPTICAL RESULTS (MEASURED):

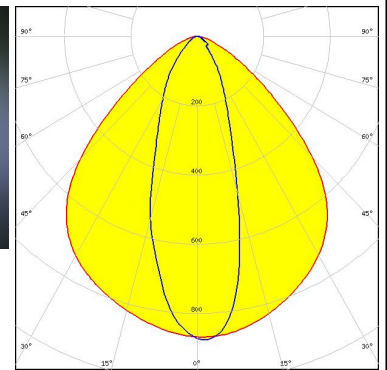
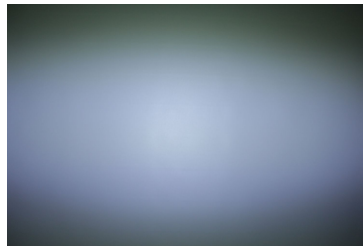
### PHILIPS

LED Fortimo LED Line 1ft MF 1R HV5 & LV5  
 FWHM / FWTM 93.0 + 34.0° / 131.0 + 80.0°  
 Efficiency 96 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



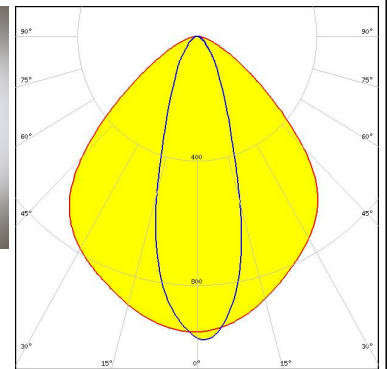
### SAMSUNG

LED LM28xB Series  
 FWHM / FWTM 94.0 + 34.0° / 132.0 + 80.0°  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



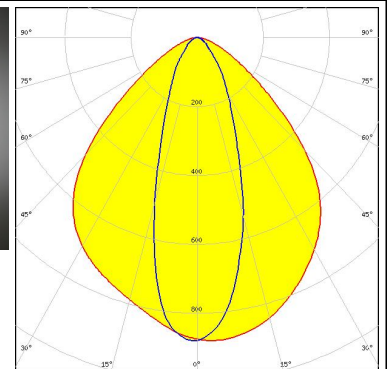
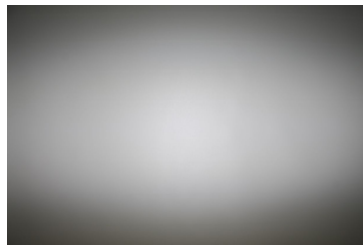
### SAMSUNG

LED LM301A  
 FWHM / FWTM 93.0 + 32.0° / 132.0 + 73.0°  
 Efficiency 92 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

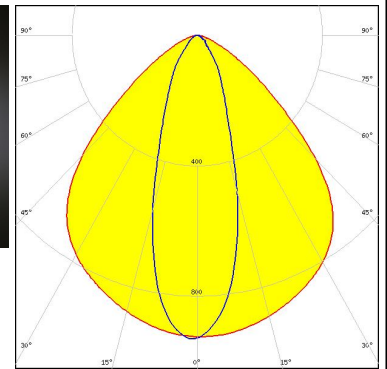
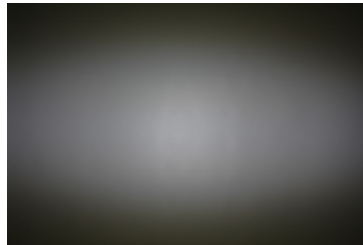
LED LM302A  
 FWHM / FWTM 92.0 + 34.0° / 132.0 + 80.0°  
 Efficiency 92 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

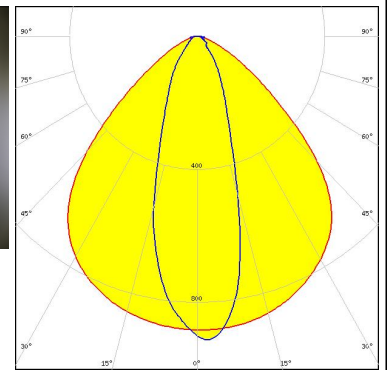
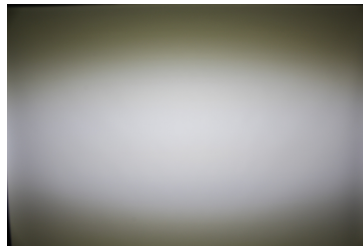
### SAMSUNG

LED LM561C  
 FWHM / FWTM 94.0 + 32.0° / 131.0 + 75.0°  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



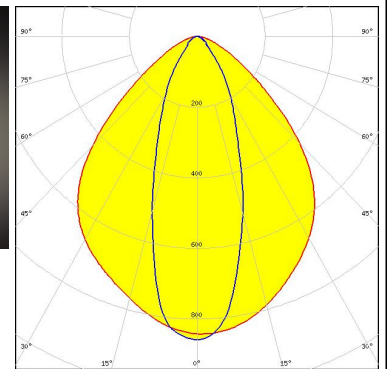
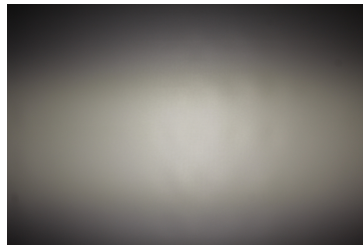
### SAMSUNG

LED LT-S282N  
 FWHM / FWTM 95.0 + 32.0° / 131.0 + 76.0°  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



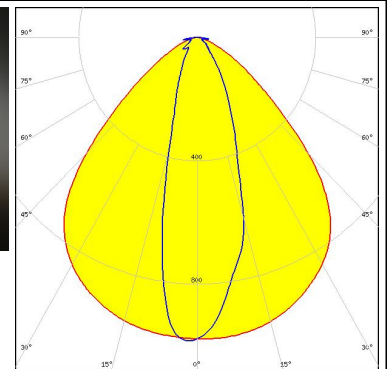
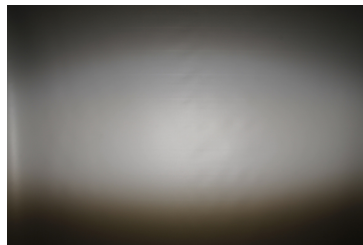
SEOUL SEMICONDUCTOR

LED SEOUL 3030  
 FWHM / FWTM 91.0 + 35.0° / 132.0 + 79.0°  
 Efficiency 90 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

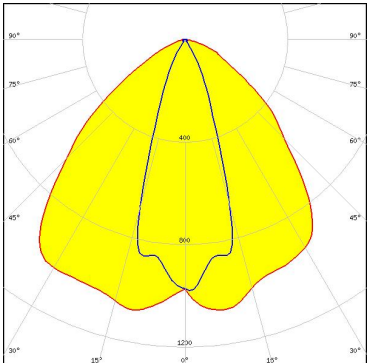
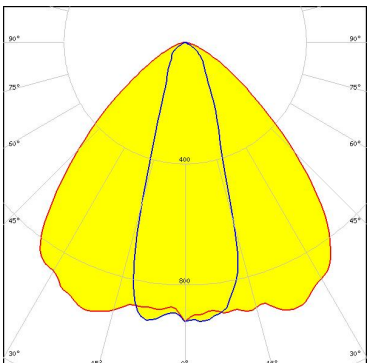
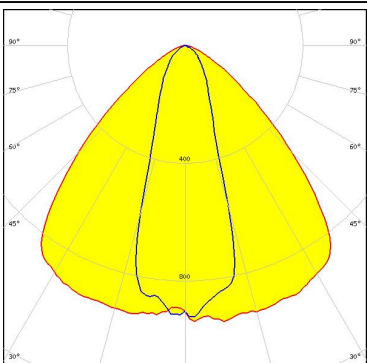
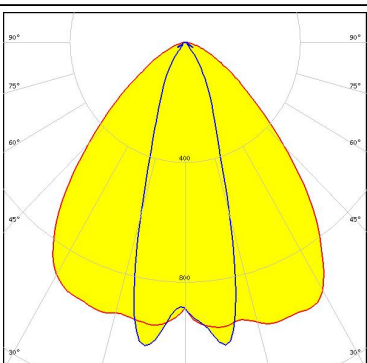


SEOUL SEMICONDUCTOR

LED SEOUL DC 3030  
 FWHM / FWTM 92.0 + 30.0° / 129.0 + 67.0°  
 Efficiency 94 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



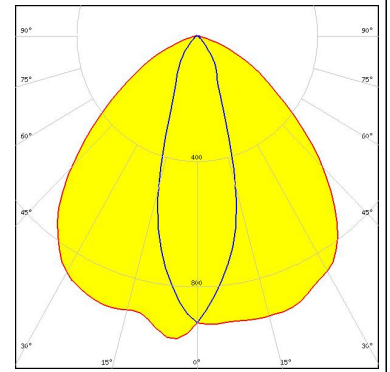
#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 95.0 + 33.0° / 136.0 + 56.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris E 2835</p> <p>FWHM / FWTM 92.0 + 30.0° / 127.0 + 71.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris E5</p> <p>FWHM / FWTM 92.0 + 32.0° / 125.0 + 78.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM 89.0 + 32.0° / 129.0 + 65.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

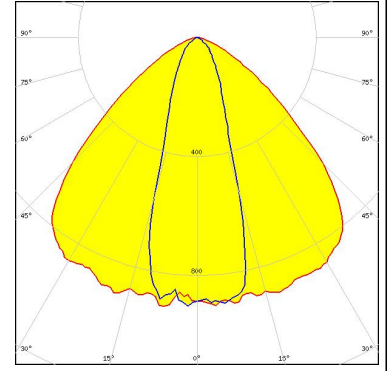
**OSRAM**  
Opto Semiconductors

LED OSLOM SSL 150  
 FWHM / FWTM 98.0 + 32.0° / 140.0 + 70.0°  
 Efficiency 95 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour Far Red  
 Required components:



**SEOUL**  
SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C  
 FWHM / FWTM 98.0 + 32.0° / 131.0 + 73.0°  
 Efficiency 95 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





#### 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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#### 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

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#### Shipping locations

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Hong Kong, China

#### Distribution Partners

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