

## FLORENCE-Z30

~30° medium beam

### SPECIFICATION:

Dimensions	286.0 x 61.0 mm
Height	8.5 mm
Fastening	screw
ROHS compliant	yes ⓘ

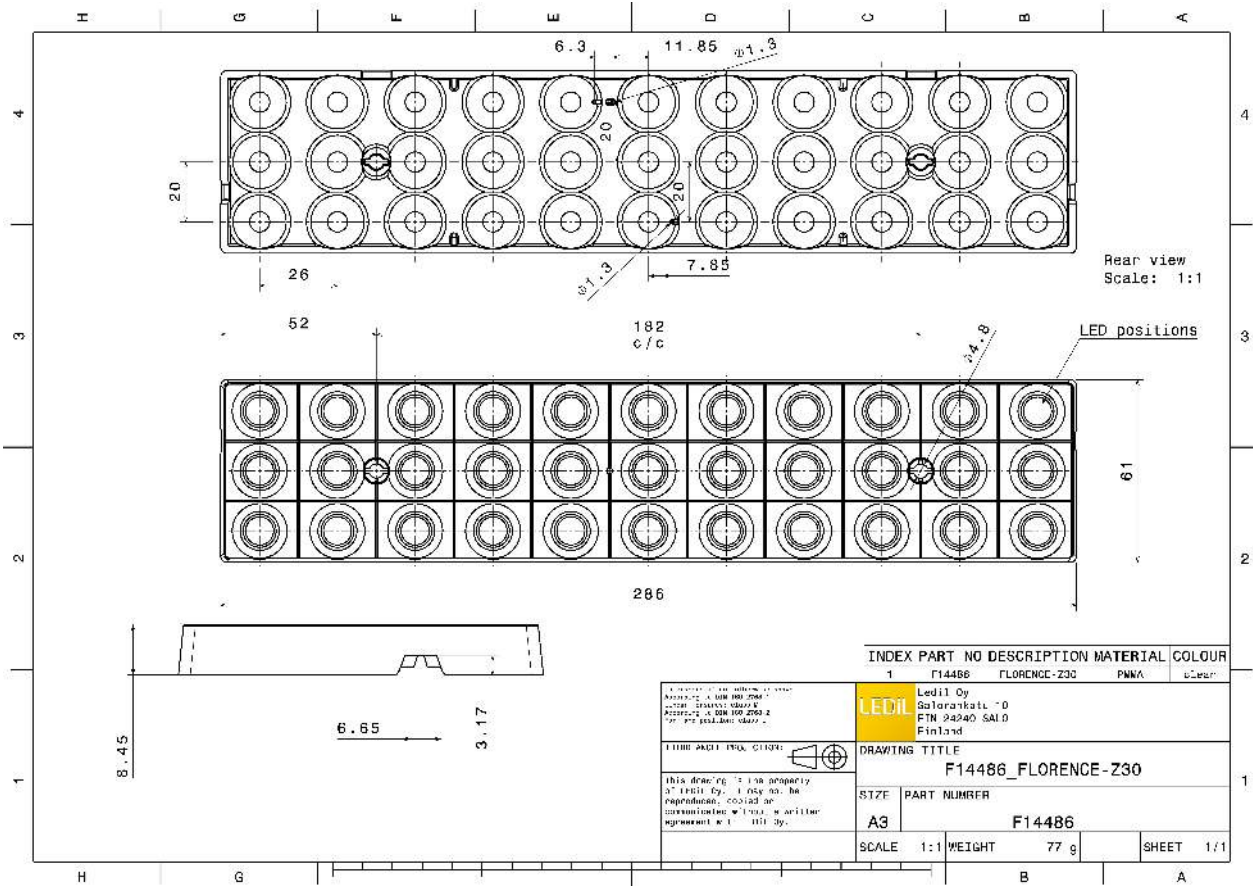
### MATERIALS:

Component	Type	Material	Colour	Finish
FLORENCE-Z30	Linear lens	PMMA	clear	

### ORDERING INFORMATION:


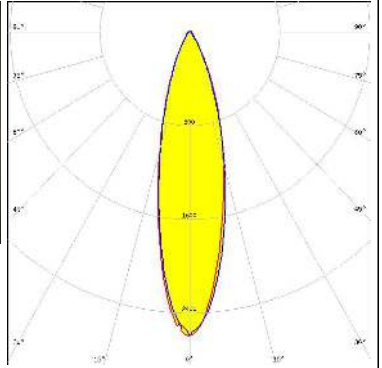
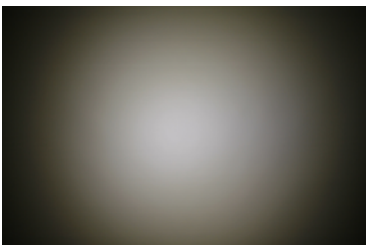
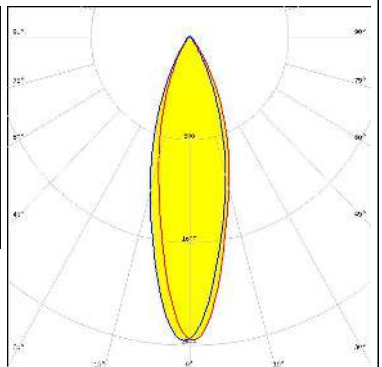
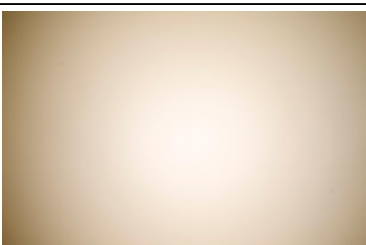
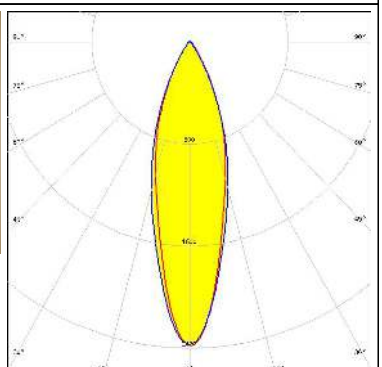
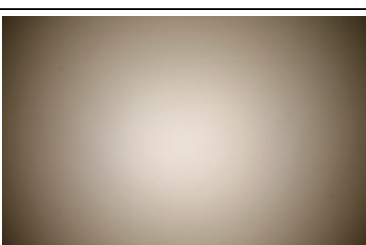
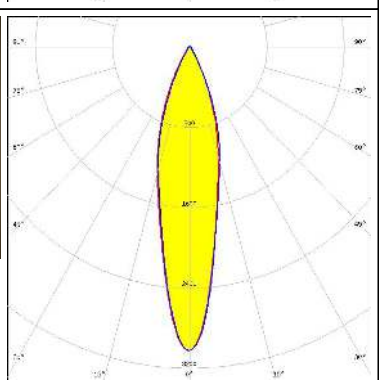
Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14486_FLORENCE-Z30 » Box size: 398 x 298 x 140 mm	72	72	6	7.1



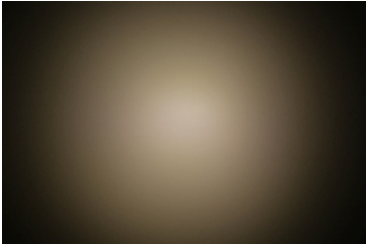
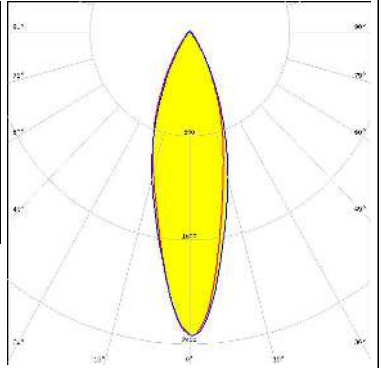

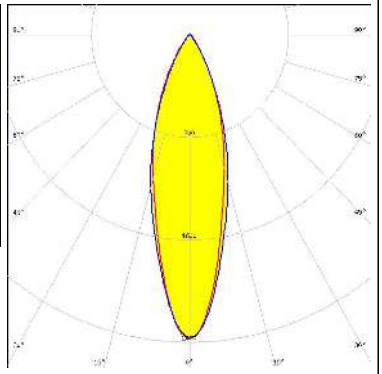

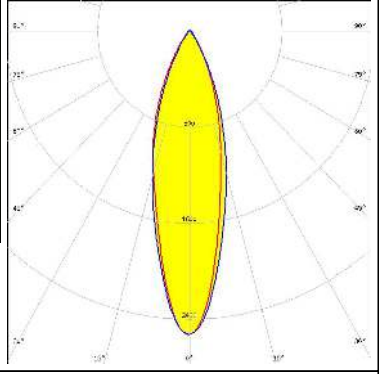
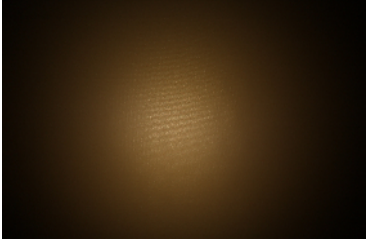
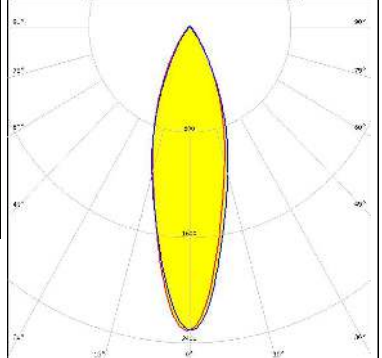


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM 26.0° / 56.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.6 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 HE</p> <p>FWHM / FWTM 29.0° / 63.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2.4 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 XR-3535L (L202 - xxxx033C30001)</p> <p>FWHM / FWTM 27.0° / 63.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2.4 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 24.0° / 56.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

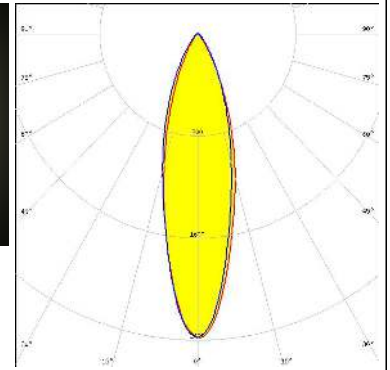
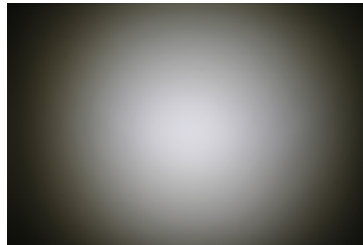
<p><b>NICHIA</b></p> <p>LED NFSW757H            FWHM / FWTM 29.0° / 64.0°            Efficiency 94 %            Peak intensity 2.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NFSW757H            FWHM / FWTM 29.0° / 64.0°            Efficiency 94 %            Peak intensity 2.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14646_FLORENCE-3R-SHD-WHT</p>		
<p><b>OSRAM</b></p> <p>LED PL-BAR-G3 1100 280x55            FWHM / FWTM 28.0° / 61.0°            Efficiency 94 %            Peak intensity 2.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b></p> <p>LED PLG2-BAR-1100-xxx-280x55-DC            FWHM / FWTM 29.0° / 64.0°            Efficiency 91 %            Peak intensity 2.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

#### OSRAM

Opto Semiconductors

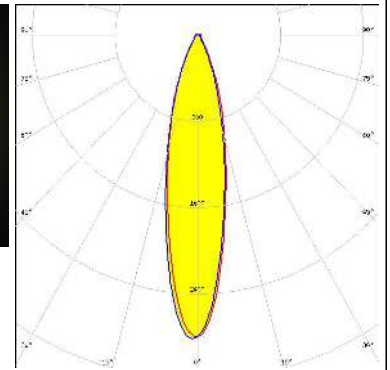
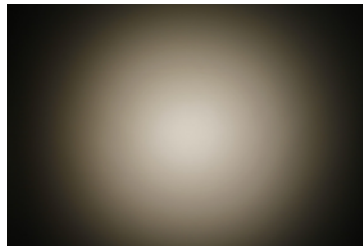
LED Duris E5  
 FWHM / FWTM 28.0° / 62.0°  
 Efficiency 91 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

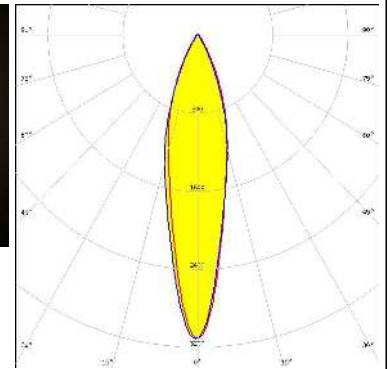
Opto Semiconductors

LED Duris S2  
 FWHM / FWTM 23.0° / 54.0°  
 Efficiency 90 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



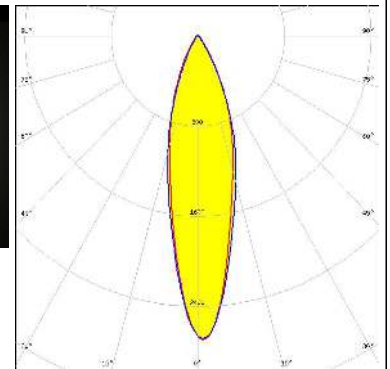
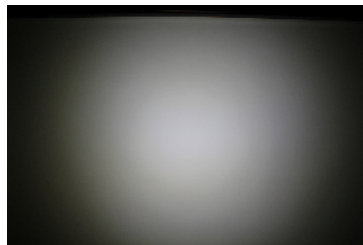
#### PHILIPS

LED Fortimo LED Line VO 1ft MF 3R HV5  
 FWHM / FWTM 23.0° / 58.0°  
 Efficiency 97 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHILIPS

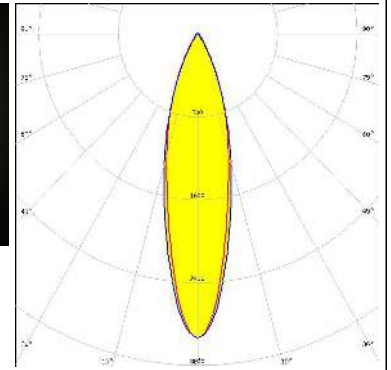
LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4  
 FWHM / FWTM 26.0° / 60.0°  
 Efficiency 94 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

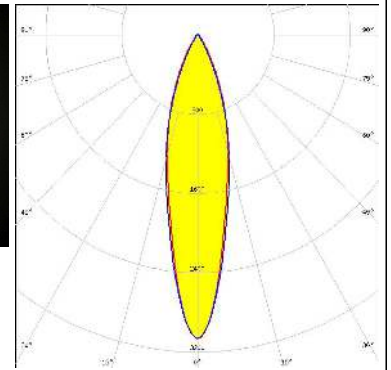
### PHILIPS

LED Fortimo LED Line 1ft HF 3R HV5  
 FWHM / FWTM 25.0° / 57.0°  
 Efficiency 96 %  
 Peak intensity 2.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



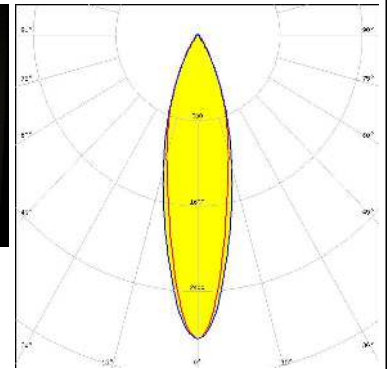
### PHILIPS

LED Fortimo LED Line 1ft LF 3R HV5 & LV5  
 FWHM / FWTM 24.0° / 57.0°  
 Efficiency 97 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



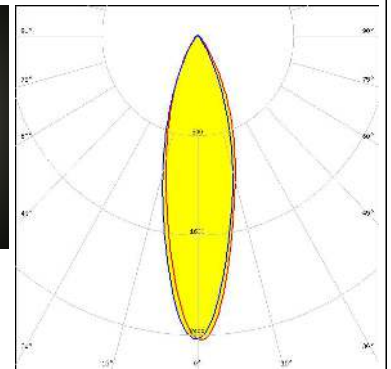
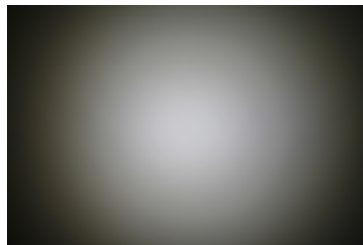
### PHILIPS

LED Fortimo LED Line 1ft MF 3R HV5 & LV5  
 FWHM / FWTM 26.0° / 59.0°  
 Efficiency 97 %  
 Peak intensity 2.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

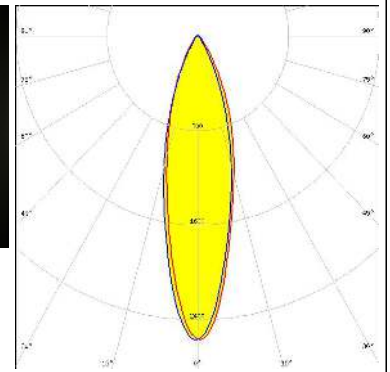
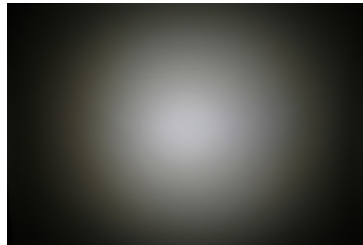
LED LM561B  
 FWHM / FWTM 28.0° / 62.0°  
 Efficiency 93 %  
 Peak intensity 2.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

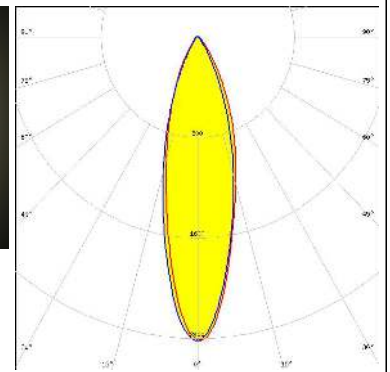
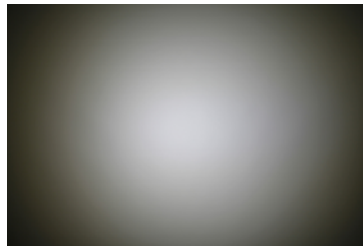
#### SAMSUNG

LED LM561B Plus  
 FWHM / FWTM 27.0° / 60.0°  
 Efficiency 93 %  
 Peak intensity 2.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



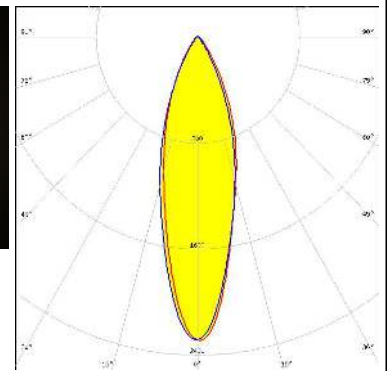
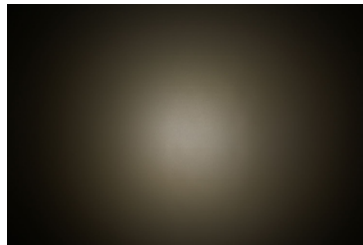
#### SAMSUNG

LED LM561C  
 FWHM / FWTM 28.0° / 62.0°  
 Efficiency 93 %  
 Peak intensity 2.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



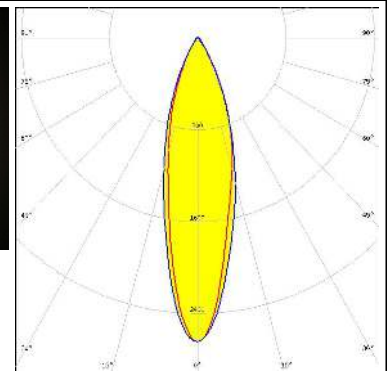
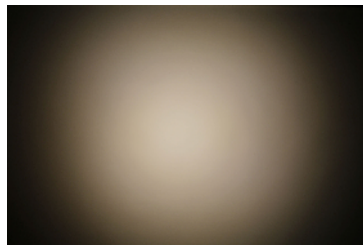
#### SAMSUNG

LED LT-R286A  
 FWHM / FWTM 29.0° / 65.0°  
 Efficiency 94 %  
 Peak intensity 2.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



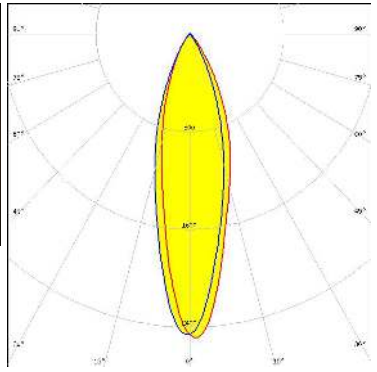


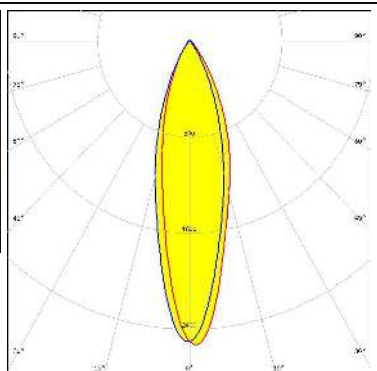


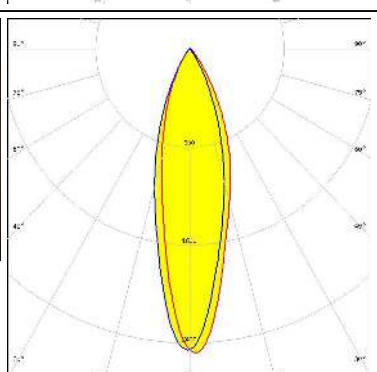


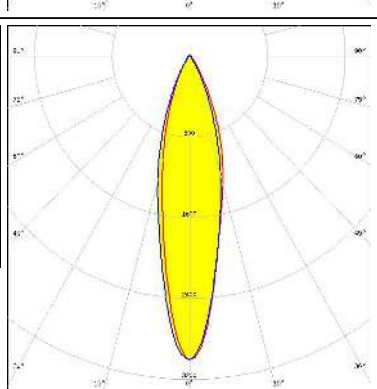


SEOUL SEMICONDUCTOR

LED SEOUL 3030  
 FWHM / FWTM 27.0° / 60.0°  
 Efficiency 94 %  
 Peak intensity 2.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

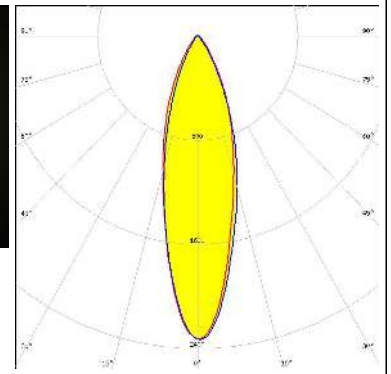
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL 5630C</p> <p>FWHM / FWTM      27.0° / 62.0°</p> <p>Efficiency            87 %</p> <p>Peak intensity      2.5 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p> <p>          C14592_FLORENCE-3R-SHD-BLK</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL 5630C</p> <p>FWHM / FWTM      27.0° / 62.0°</p> <p>Efficiency            94 %</p> <p>Peak intensity      2.5 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL 5630C</p> <p>FWHM / FWTM      27.0° / 62.0°</p> <p>Efficiency            88 %</p> <p>Peak intensity      2.5 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p> <p>          C14453_FLORENCE-3R-SHD-GR</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL DC 3030</p> <p>FWHM / FWTM      23.0° / 57.0°</p> <p>Efficiency            94 %</p> <p>Peak intensity      3 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		



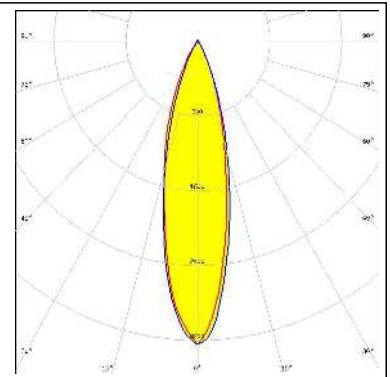
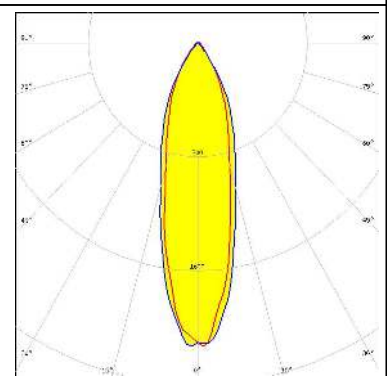
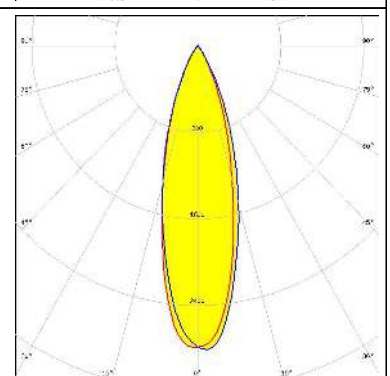
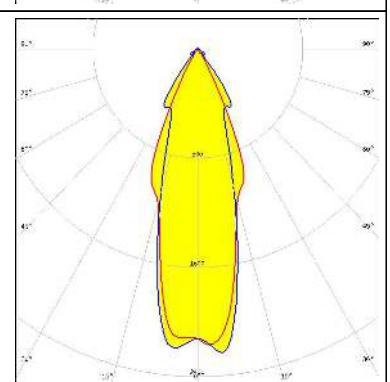
## OPTICAL RESULTS (MEASURED):

### TRIDONIC

LED LLE G2 55x280mm 2000lm  
FWHM / FWTM 29.0° / 64.0°  
Efficiency 94 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM / FWTM 25.0° / 53.0°            Efficiency 90 %            Peak intensity 3.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NFMW48xA            FWHM / FWTM 27.0° / 69.0°            Efficiency 91 %            Peak intensity 2.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris E 2835            FWHM / FWTM 29.0° / 58.0°            Efficiency 94 %            Peak intensity 2.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris E 2835            FWHM / FWTM 30.0° / 75.0°            Efficiency 96 %            Peak intensity 2.2 cd/lm            LEDs/each optic 2            Light colour White            Required components:</p>	

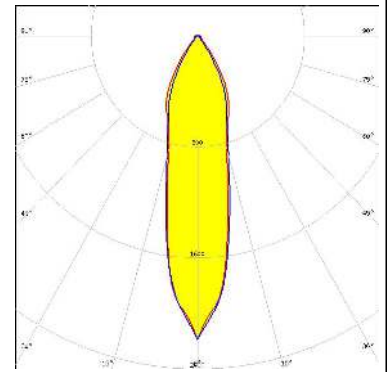
#### OPTICAL RESULTS (SIMULATED):


<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM 14.0° / 68.0 + 56.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED LM28xB Series</p> <p>FWHM / FWTM 20.0° / 52.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED LM301B</p> <p>FWHM / FWTM 24.0 + 26.0° / 74.0 + 66.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 2</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED LM302Z plus</p> <p>FWHM / FWTM 23.0° / 54.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

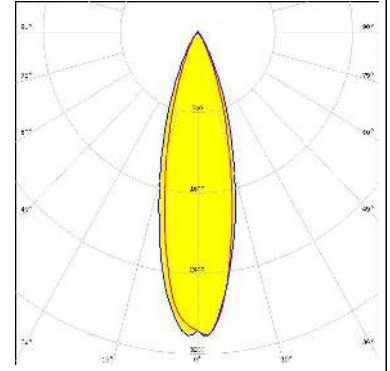
#### OPTICAL RESULTS (SIMULATED):


### SAMSUNG

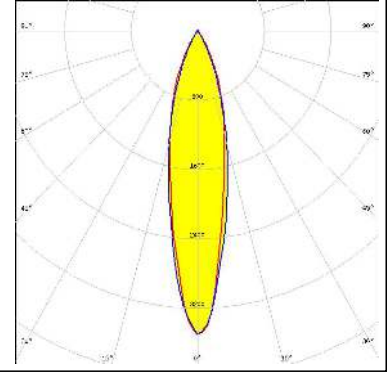
LED LM302Z plus  
 FWHM / FWTM 25.0° / 70.0°  
 Efficiency 89 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:



 **SEOUL SEMICONDUCTOR**  
 LED SEOUL 5630D  
 FWHM / FWTM 29.0° / 58.0°  
 Efficiency 90 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



 **SEOUL SEMICONDUCTOR**  
 LED SEOUL DC 3030C  
 FWHM / FWTM 23.0° / 54.0°  
 Efficiency 94 %  
 Peak intensity 3.5 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.

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.

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#### LEDiL Oy

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Finland

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Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
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#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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