

## LINNEA-60

~60° + 90° beam optimized for 1.0 mm metal sheet or profile. Variant made from PC.

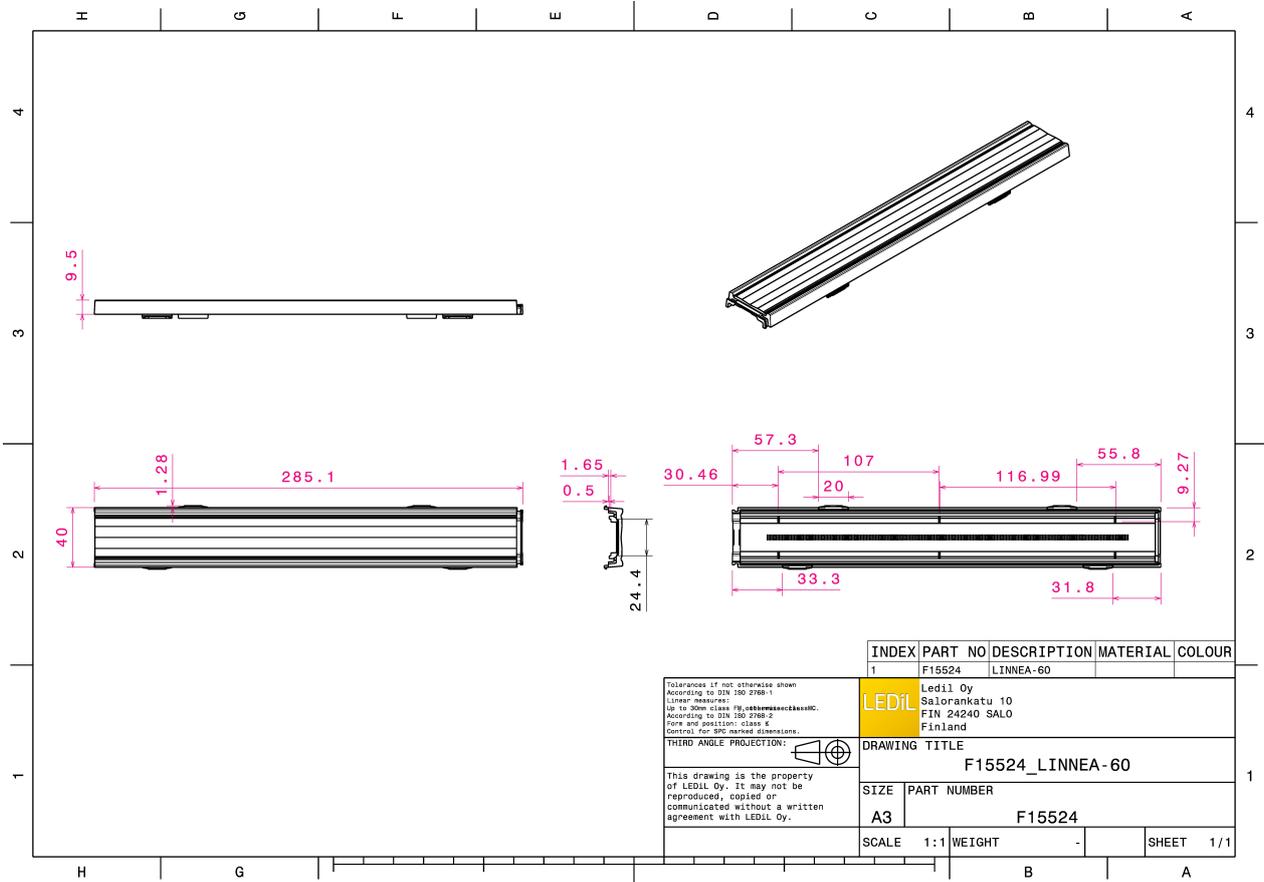
### TECHNICAL SPECIFICATIONS:

Dimensions	285.0 x 40.0 mm
Height	9.5 mm
Fastening	clips
Colour	clear
Box size	578 x 378 x 295 mm
Box weight	8.1 kg
Quantity in Box	180 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

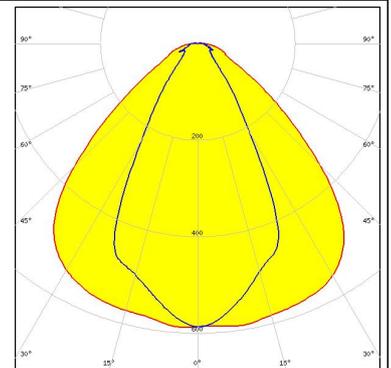
Component	Type	Material	Colour
LINNEA-60	Linear lens	PC	clear



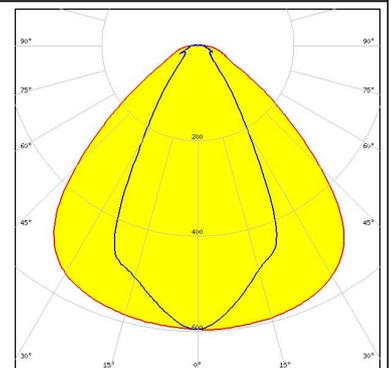
#### PHOTOMETRIC DATA (MEASURED):



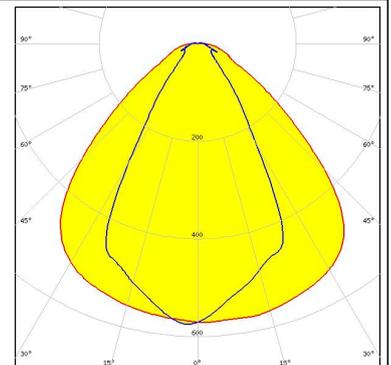
LED CALOSNU405-M7W1  
 FWHM 96.0 + 55.0°  
 Efficiency 84 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



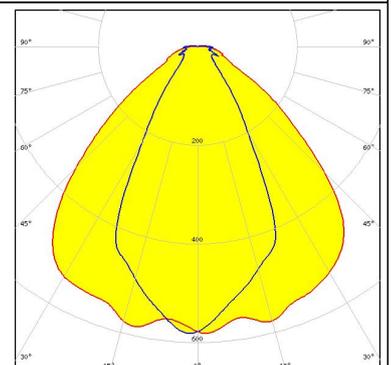
LED CALOSNU410-M7W1  
 FWHM 95.0 + 55.0°  
 Efficiency 84 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



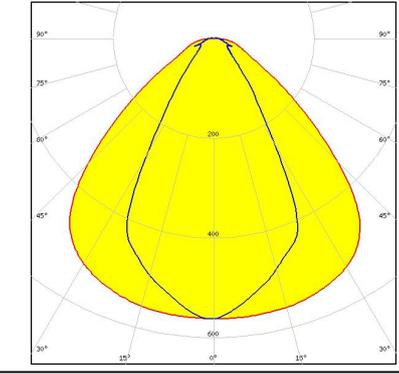
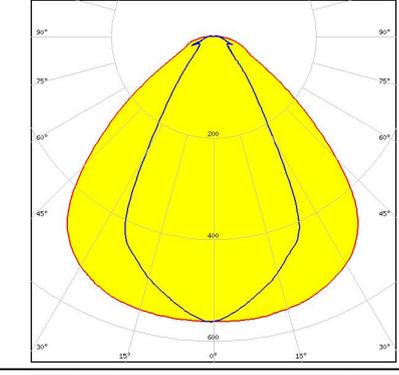
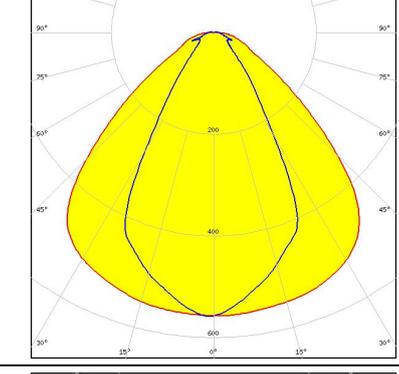
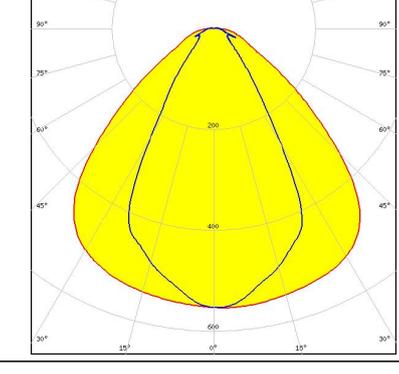
LED Tridino 1ft 1100lm xxxHE 1R HV  
 FWHM 96.0 + 58.0°  
 Efficiency 86 %  
 Peak intensity 0.580 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-E  
 FWHM 96.0 + 54.0°  
 Efficiency 83 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



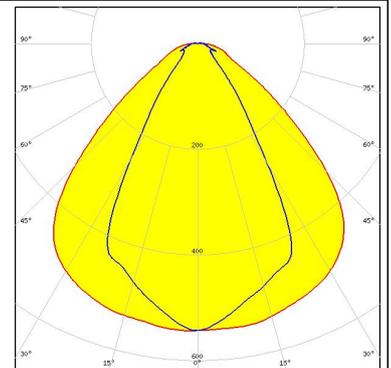
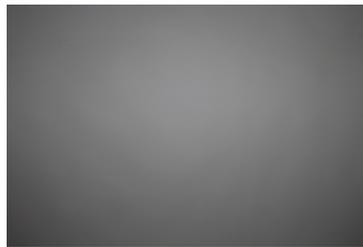
#### PHOTOMETRIC DATA (MEASURED):

<p><b>Helvar</b></p> <p>LED L-iC-282-827-865-011A            FWHM 97.0 + 58.0°            Efficiency 84 %            Peak intensity 0.560 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>Helvar</b></p> <p>LED LP-282-840-009A 60/300            FWHM 97.0 + 58.0°            Efficiency 84 %            Peak intensity 0.560 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>Helvar</b></p> <p>LED LS-282-840-011A            FWHM 97.0 + 58.0°            Efficiency 84 %            Peak intensity 0.560 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>Helvar</b></p> <p>LED LX-282-840-023A            FWHM 96.0 + 59.0°            Efficiency 85 %            Peak intensity 0.550 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

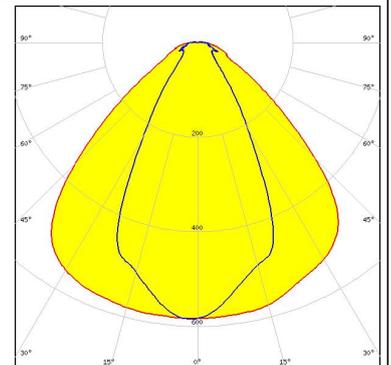
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LED LinLED 280x24mm 1100lm 8x0 4C 30V Opt G1  
 FWHM 96.0 + 59.0°  
 Efficiency 85 %  
 Peak intensity 0.560 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



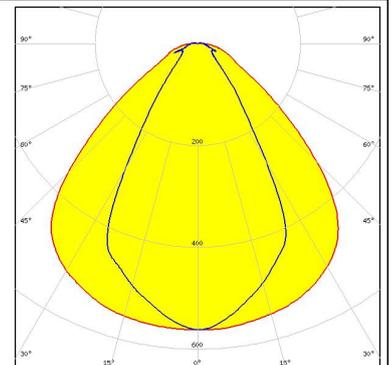
**NICHIA**

LED NF2x757G  
 FWHM 96.0 + 54.0°  
 Efficiency 84 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



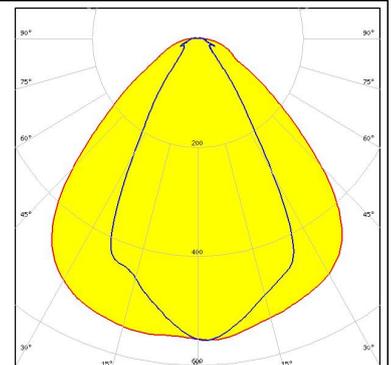
**NICHIA**

LED NFSW757H  
 FWHM 96.0 + 60.0°  
 Efficiency 86 %  
 Peak intensity 0.563 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**NICHIA**

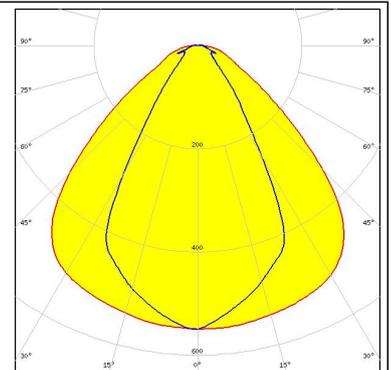
LED NFSx757G  
 FWHM 96.0 + 59.0°  
 Efficiency 83 %  
 Peak intensity 0.560 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

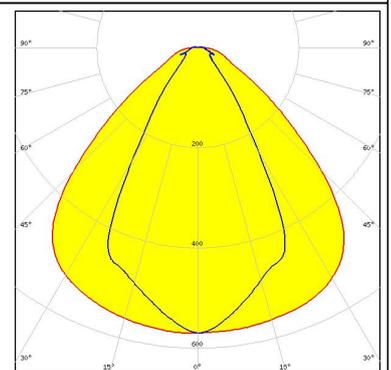
#### OSRAM

LED PrevaLED Linear Slim 3 (1100lm)  
 FWHM 97.0 + 59.0°  
 Efficiency 84 %  
 Peak intensity 0.550 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

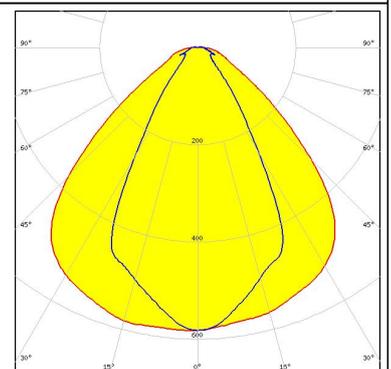
LED PrevaLED Linear Slim 3 (2000lm)  
 FWHM 96.0 + 58.0°  
 Efficiency 84 %  
 Peak intensity 0.570 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

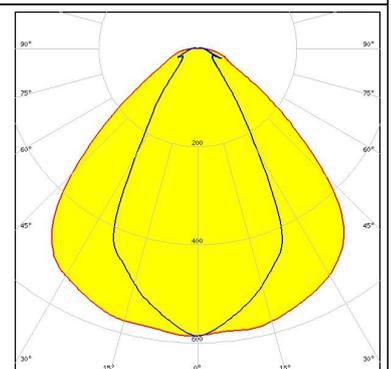
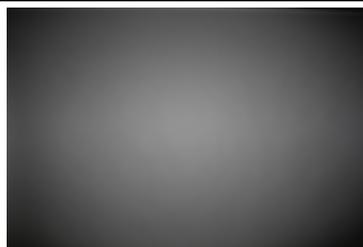
LED Duris S5 (2 chip)  
 FWHM 95.0 + 57.0°  
 Efficiency 85 %  
 Peak intensity 0.580 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

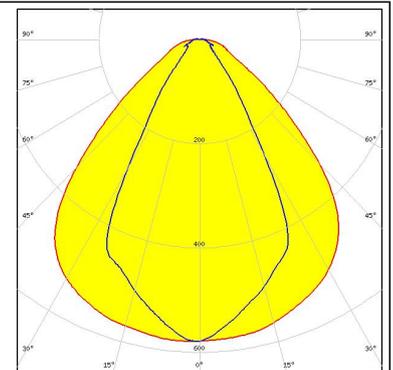
LED Duris S5 (Single chip)  
 FWHM 96.0 + 57.0°  
 Efficiency 86 %  
 Peak intensity 0.590 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

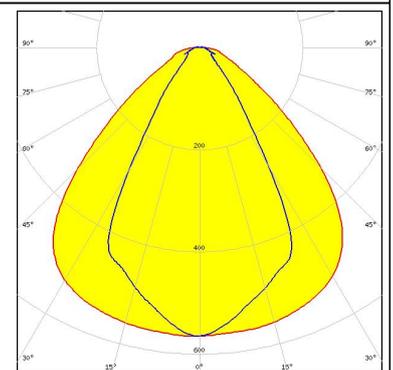
### PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4  
FWHM 95.0 + 59.0°  
Efficiency 85 %  
Peak intensity 0.580 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



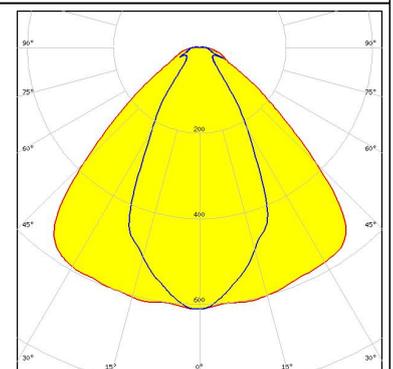
### PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4  
FWHM 95.0 + 59.0°  
Efficiency 84 %  
Peak intensity 0.570 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



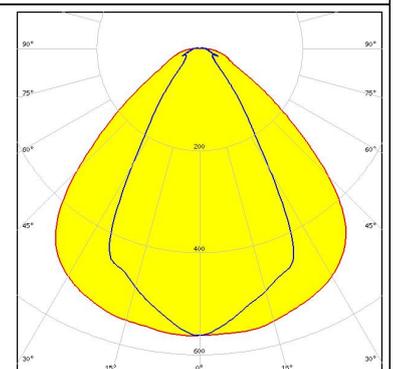
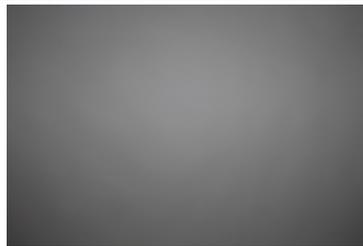
### SAMSUNG

LED LM28xB Series  
FWHM 95.0 + 53.0°  
Efficiency 84 %  
Peak intensity 0.440 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### SAMSUNG

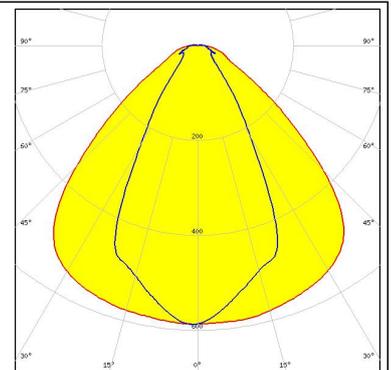
LED LM561B Plus  
FWHM 96.0 + 59.0°  
Efficiency 85 %  
Peak intensity 0.560 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

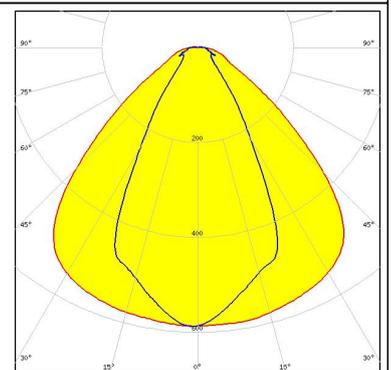
#### SAMSUNG

LED LT-H282C  
 FWHM 96.0 + 55.0°  
 Efficiency 85 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



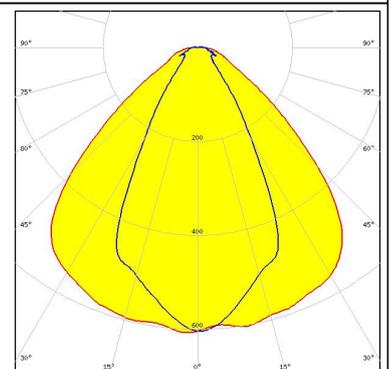
#### SAMSUNG

LED LT-H562C  
 FWHM 96.0 + 55.0°  
 Efficiency 85 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



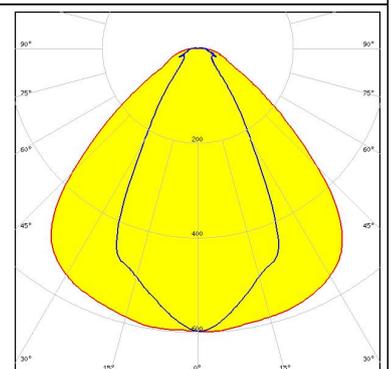
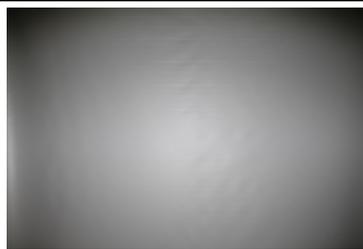
#### SAMSUNG

LED LT-Q282B  
 FWHM 95.0 + 54.0°  
 Efficiency 85 %  
 Peak intensity 0.610 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

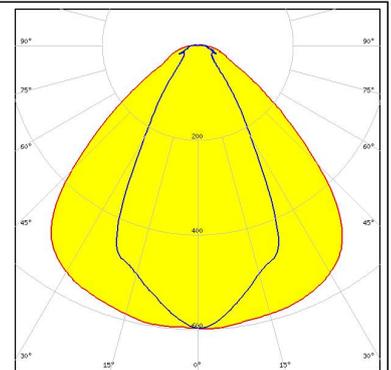
LED LT-S282H  
 FWHM 96.0 + 54.0°  
 Efficiency 85 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

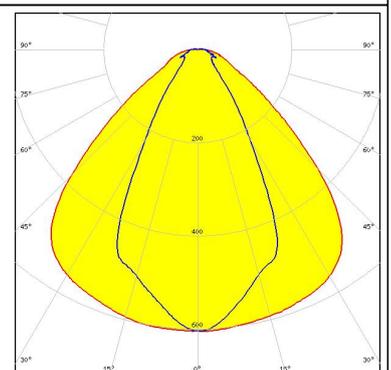
#### SAMSUNG

LED LT-S562H  
 FWHM 96.0 + 54.0°  
 Efficiency 85 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



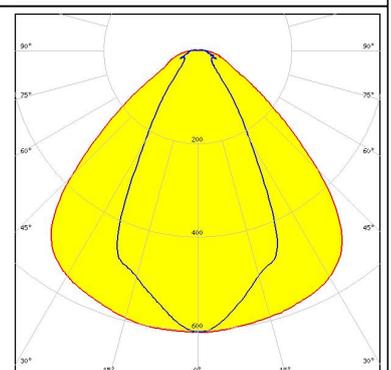
#### SAMSUNG

LED LT-V282E  
 FWHM 96.0 + 54.0°  
 Efficiency 86 %  
 Peak intensity 0.610 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



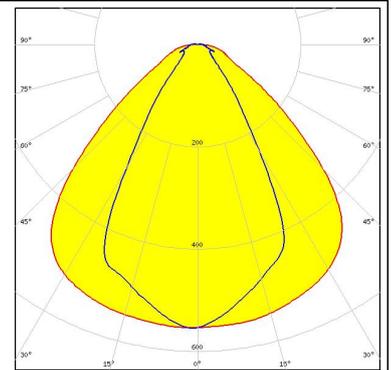
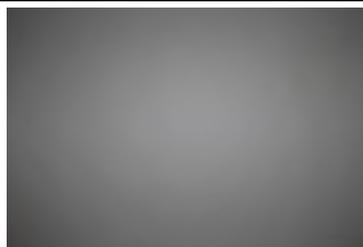
#### SAMSUNG

LED LT-V562E  
 FWHM 96.0 + 54.0°  
 Efficiency 86 %  
 Peak intensity 0.610 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

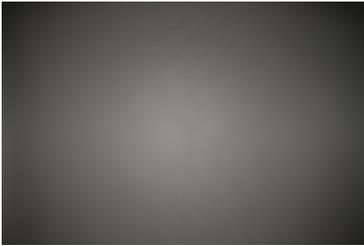
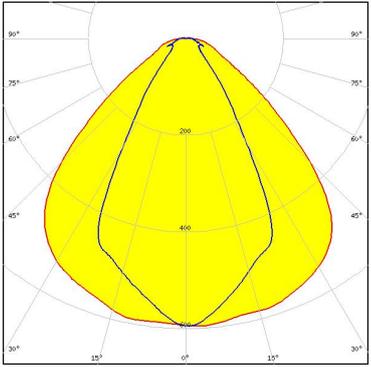
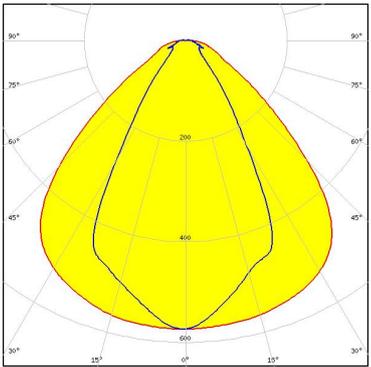
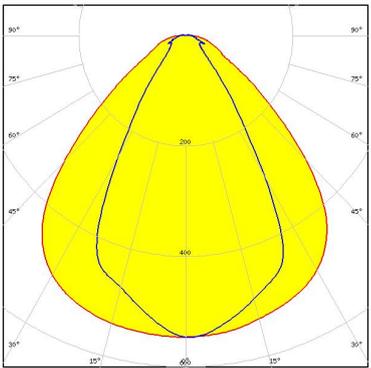
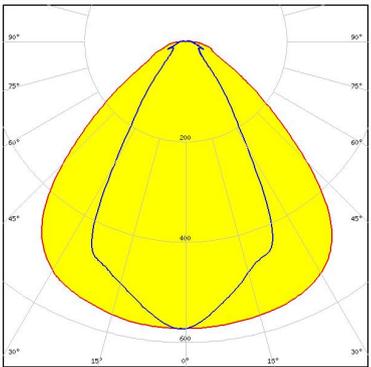


SEOUL SEMICONDUCTOR

LED SEOUL 5630D  
 FWHM 73.0°  
 Efficiency 84 %  
 Peak intensity 0.560 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



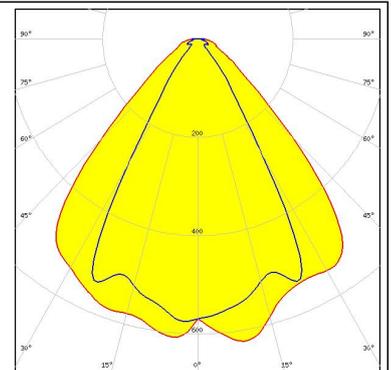
#### PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEMICONDUCTOR</p> <p>LED                    SEOUL DC 3030</p> <p>FWHM                96.0 + 57.0°</p> <p>Efficiency           86 %</p> <p>Peak intensity      0.600 cd/lm</p> <p>LEDs/each optic   1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED                    LLE G4 24x280mm 1250lm</p> <p>FWHM                96.0 + 58.0°</p> <p>Efficiency           85 %</p> <p>Peak intensity      0.570 cd/lm</p> <p>LEDs/each optic   1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED                    LLE G4 24x280mm 2000lm ADV</p> <p>FWHM                95.0 + 60.0°</p> <p>Efficiency           85 %</p> <p>Peak intensity      0.550 cd/lm</p> <p>LEDs/each optic   1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED                    LLE G4 24x280mm 650lm</p> <p>FWHM                95.0 + 59.0°</p> <p>Efficiency           85 %</p> <p>Peak intensity      0.570 cd/lm</p> <p>LEDs/each optic   1</p> <p>Light colour        White</p> <p>Required components:</p>		

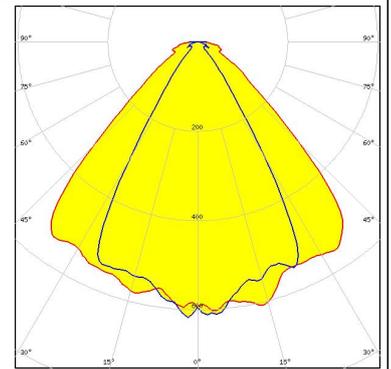
#### PHOTOMETRIC DATA (SIMULATED):



LED LUXEON 3030 2D (Round LES)  
FWHM 89.0 + 60.0°  
Efficiency 84 %  
Peak intensity 0.620 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED SEOUL DC 3030C  
FWHM 92.0 + 60.0°  
Efficiency 85 %  
Peak intensity 0.651 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

#### 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

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