

LINNEA-90

~90° + 90° wide beam optimized for 1.0 mm metal sheet or profile

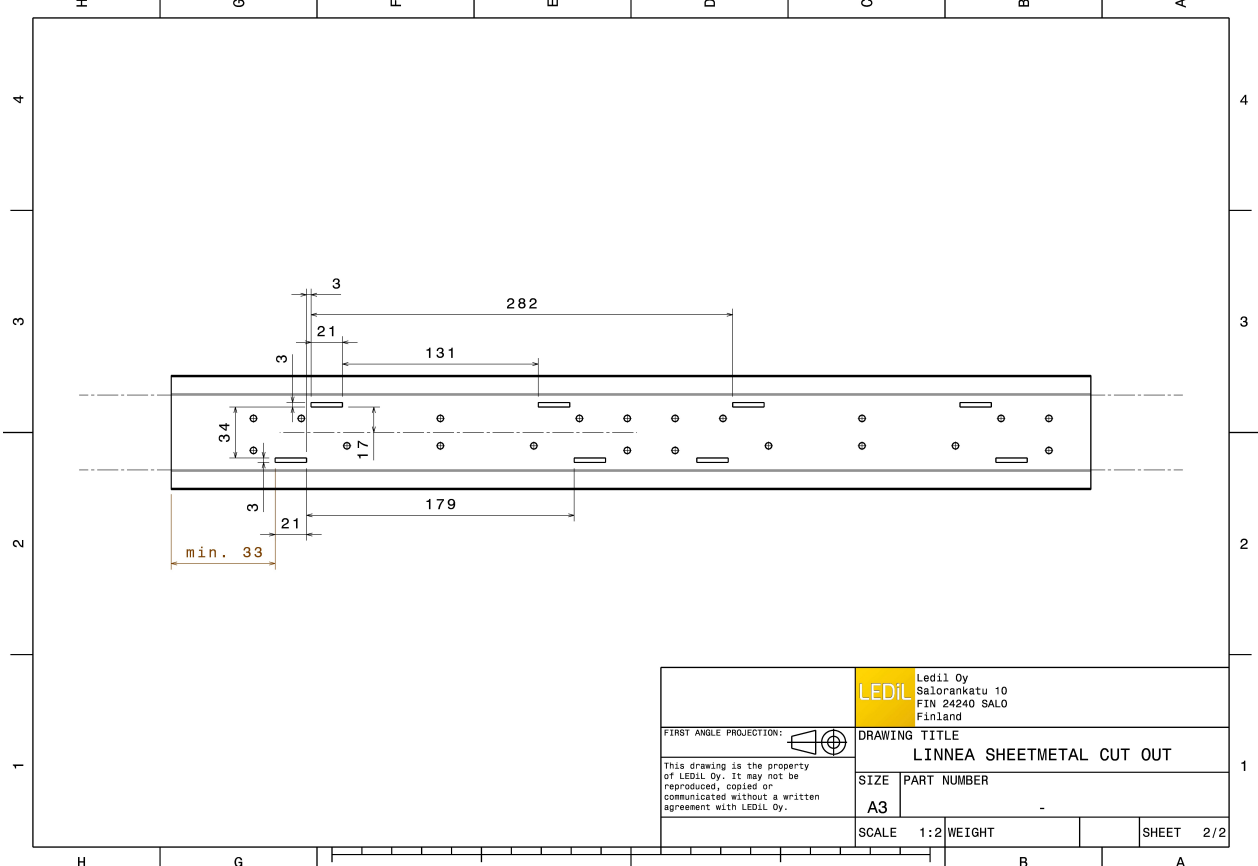
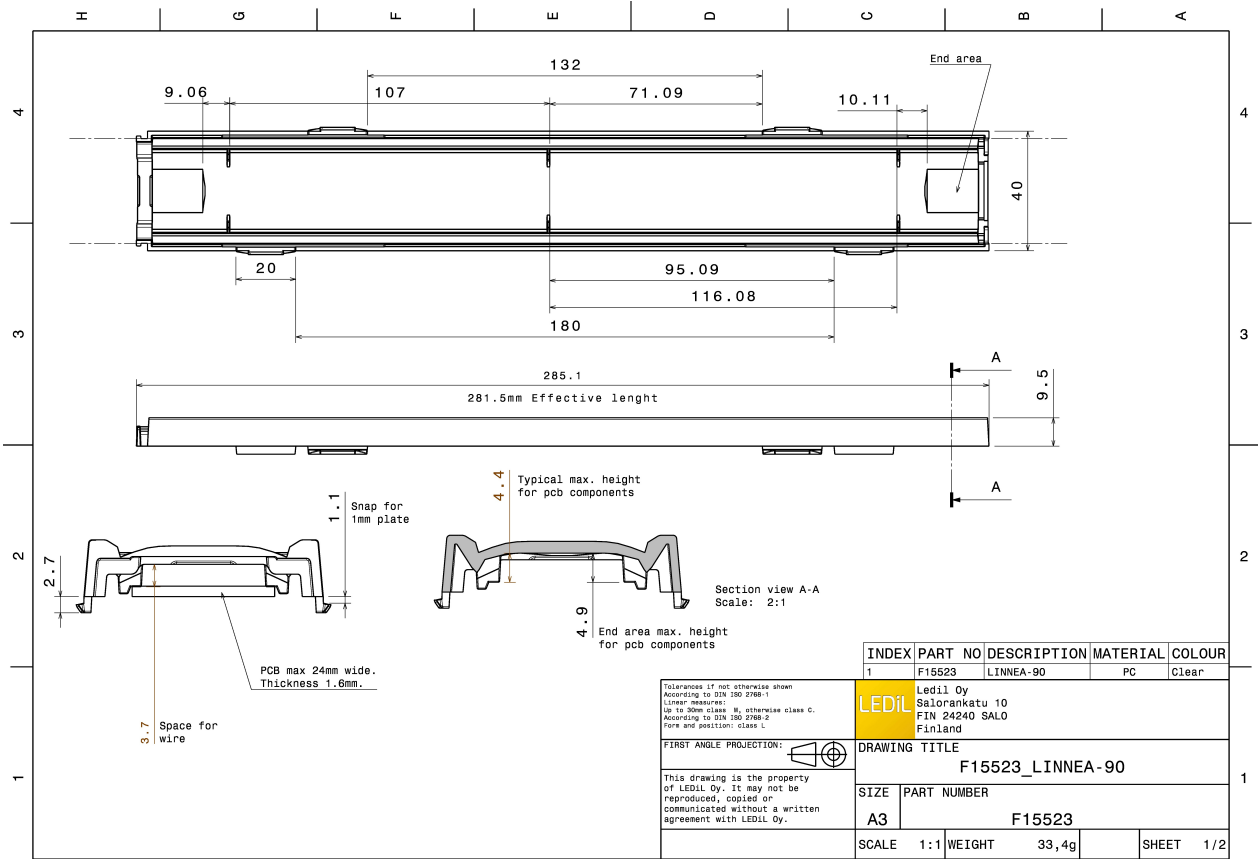
TECHNICAL SPECIFICATIONS:

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	7 kg
Quantity in Box	180 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

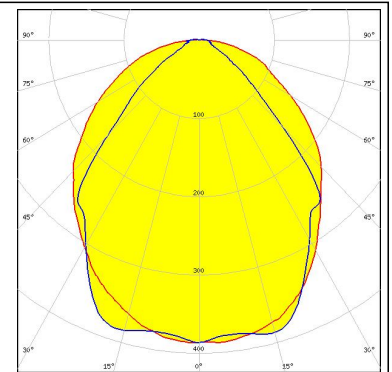
Component	Type	Material	Colour
LINNEA-90	Linear lens	PC	clear



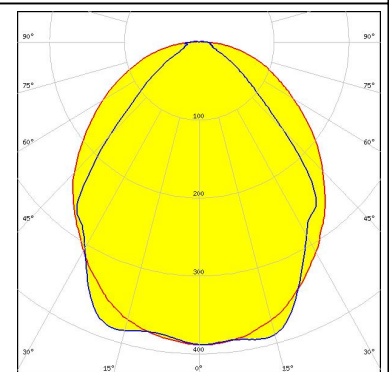
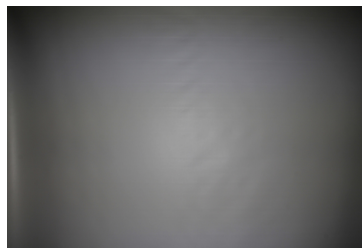
PHOTOMETRIC DATA (MEASURED):



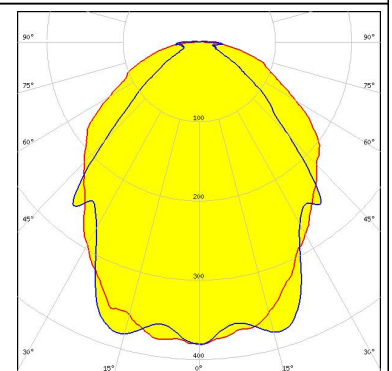
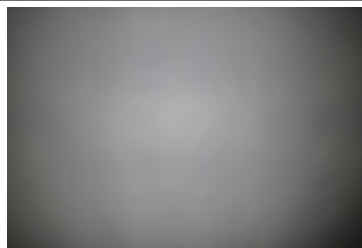
LED CALOSNU405-M7W1
 FWHM 104.0 + 87.0°
 Efficiency 82 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



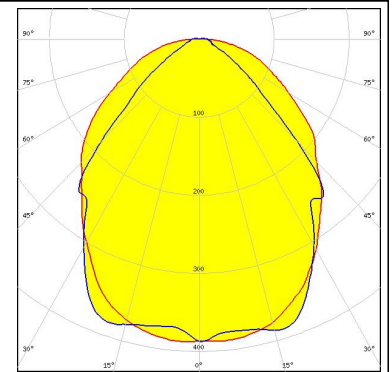
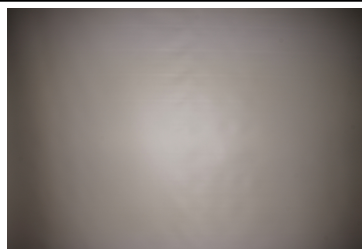
LED CALOSNU410-M7W1
 FWHM 104.0 + 86.0°
 Efficiency 83 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




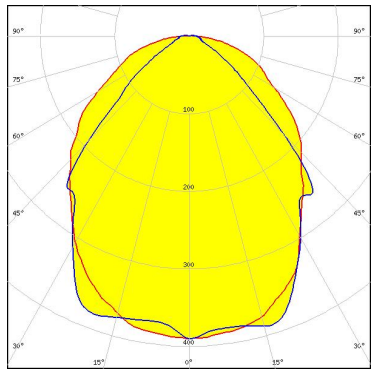
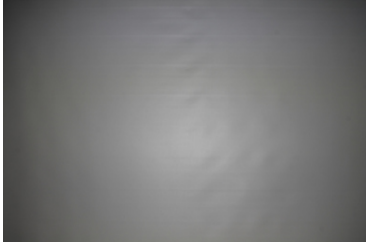
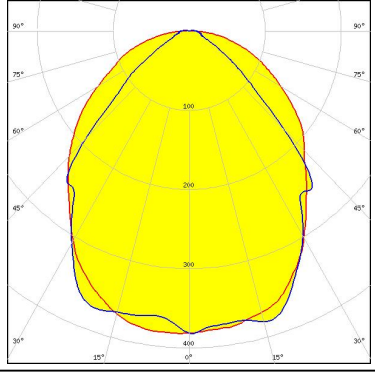
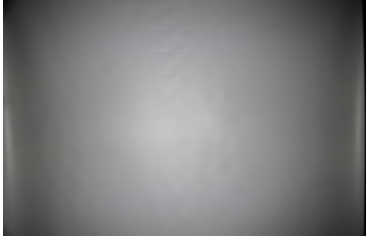
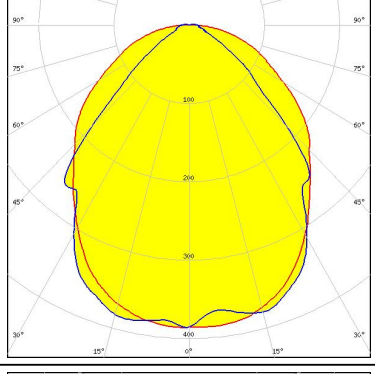

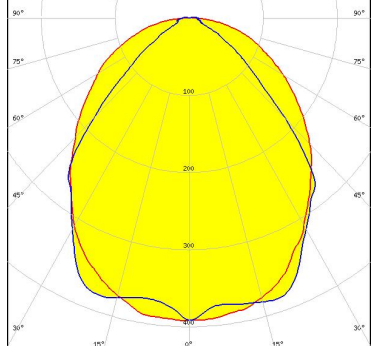
LED XP-E
 FWHM 104.0 + 88.0°
 Efficiency 81 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED L-iC-282-827-865-011A
 FWHM 102.0 + 89.0°
 Efficiency 82 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



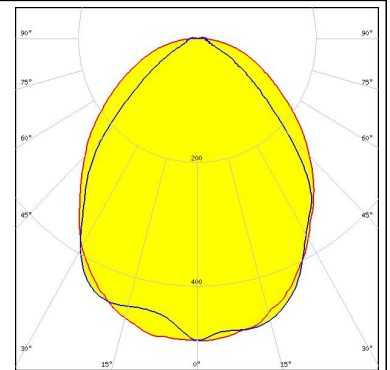
PHOTOMETRIC DATA (MEASURED):

<p>Helvar</p> <p>LED LP-282-840-009A 60/300 FWHM 100.0 + 89.0° Efficiency 82 % Peak intensity 0.390 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>Helvar</p> <p>LED LS-282-840-011A FWHM 102.0 + 90.0° Efficiency 81 % Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>Helvar</p> <p>LED LX-282-840-023A FWHM 102.0 + 89.0° Efficiency 82 % Peak intensity 0.390 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>MST <i>Your solutions</i></p> <p>LED LinLED 280x24mm 1100lm 8x0 4C 30V Opt G1 FWHM 88.0 + 100.0° Efficiency 83 % Peak intensity 0.390 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

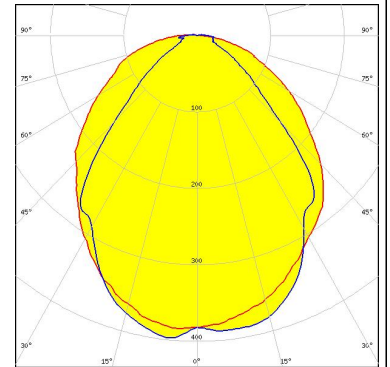
PHOTOMETRIC DATA (MEASURED):



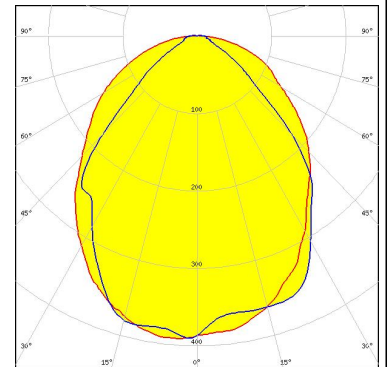
LED NF2x757D
 FWHM 86.0 + 99.0°
 Efficiency 0 %
 Peak intensity 0.480 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



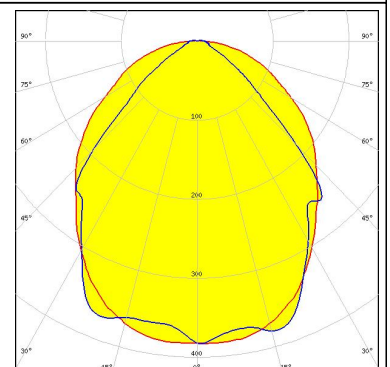
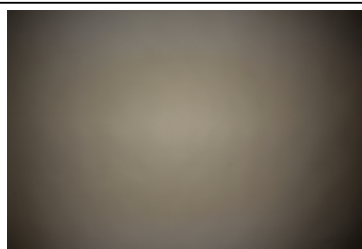
LED NF2x757G
 FWHM 105.0 + 85.0°
 Efficiency 83 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NFSx757G
 FWHM 98.0 + 88.0°
 Efficiency 81 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



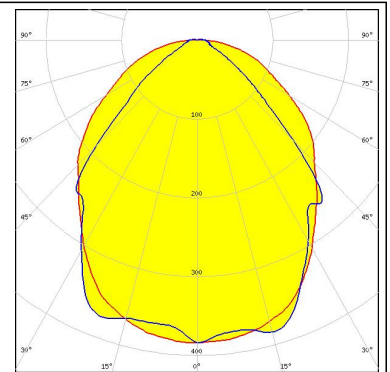
LED PrevaLED Linear Slim 3 (1100lm)
 FWHM 103.0 + 90.0°
 Efficiency 81 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

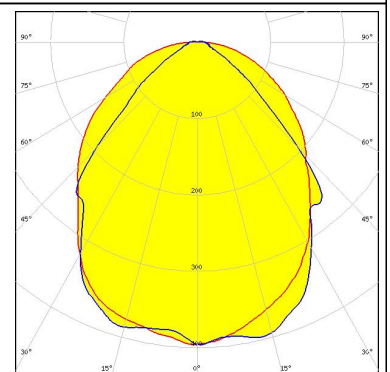
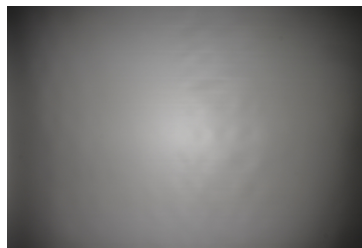
OSRAM

LED PrevaLED Linear Slim 3 (2000lm)
 FWHM 103.0 + 89.0°
 Efficiency 81 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



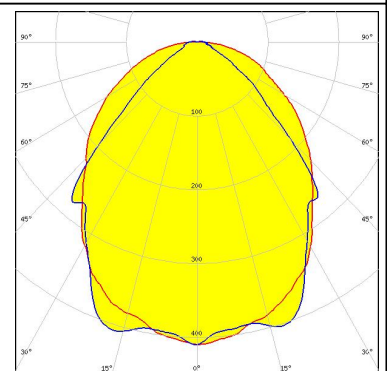
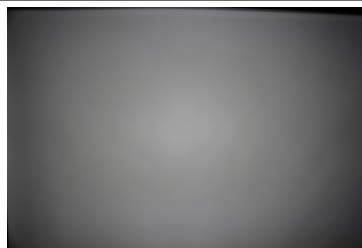
OSRAM
Opto Semiconductors

LED Duris S5 (2 chip)
 FWHM 99.0 + 89.0°
 Efficiency 83 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



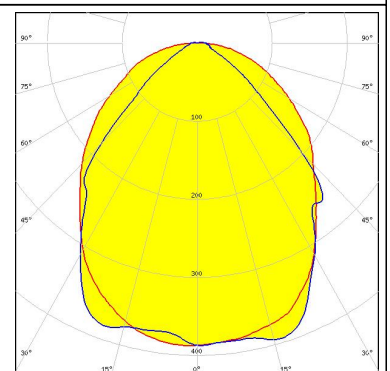
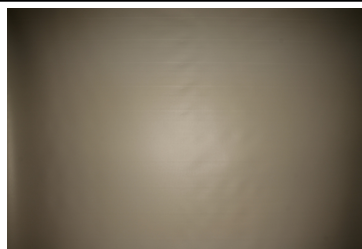
OSRAM
Opto Semiconductors

LED Duris S5 (Single chip)
 FWHM 98.0 + 89.0°
 Efficiency 85 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

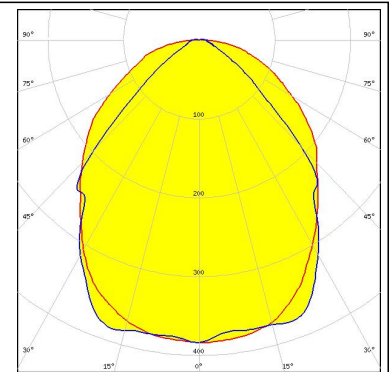
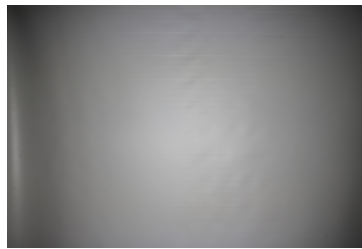
LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4
 FWHM 100.0 + 89.0°
 Efficiency 82 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

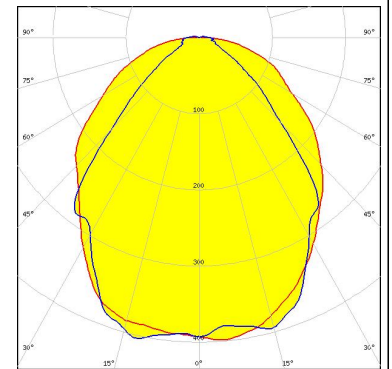
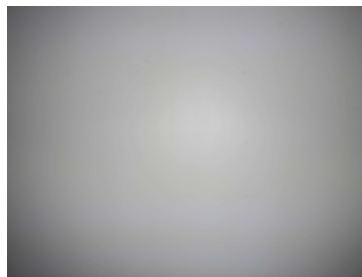
PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4
 FWHM 102.0 + 90.0°
 Efficiency 82 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



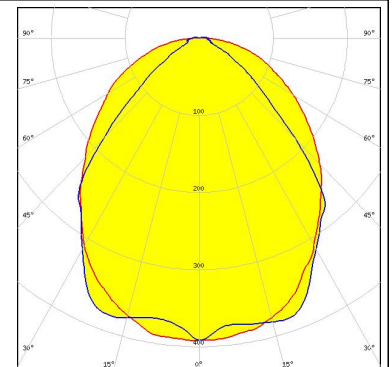
SAMSUNG

LED LM28xB Series
 FWHM 105.0 + 86.0°
 Efficiency 84 %
 Peak intensity 0.290 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



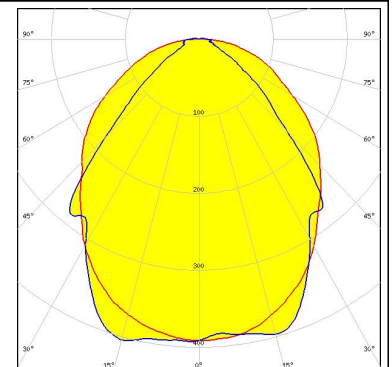
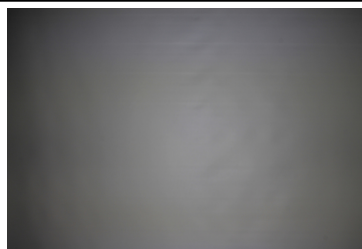
SAMSUNG

LED LM561B Plus
 FWHM 88.0 + 100.0°
 Efficiency 83 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

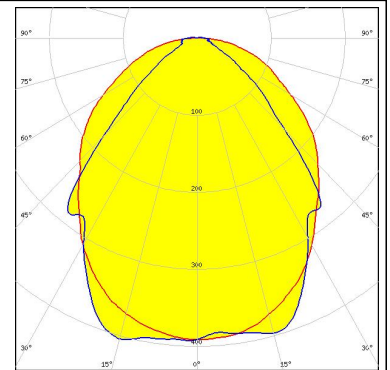
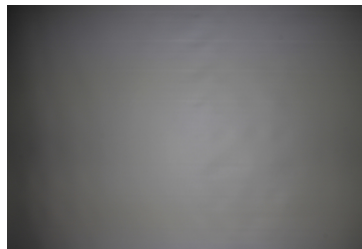
LED LT-H282C
 FWHM 103.0 + 87.0°
 Efficiency 84 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

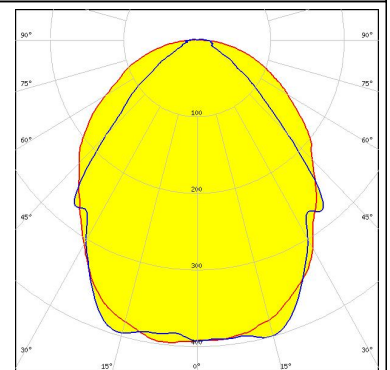
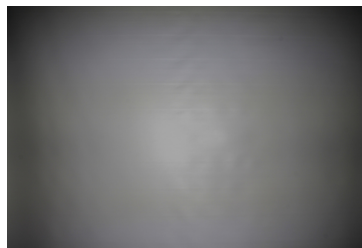
SAMSUNG

LED LT-H562C
FWHM 103.0 + 87.0°
Efficiency 84 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



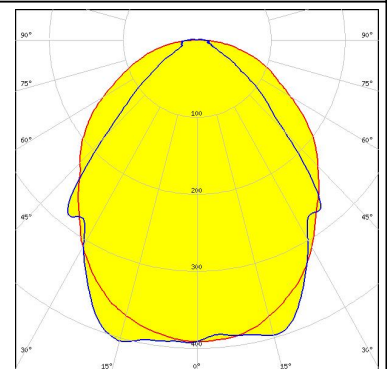
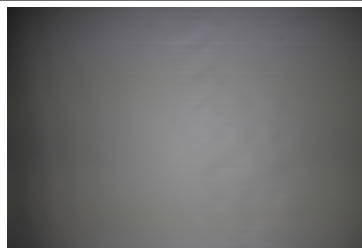
SAMSUNG

LED LT-Q282B
FWHM 101.0 + 87.0°
Efficiency 84 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



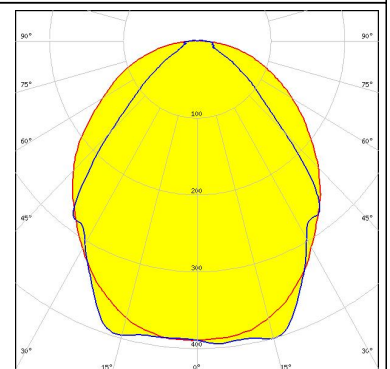
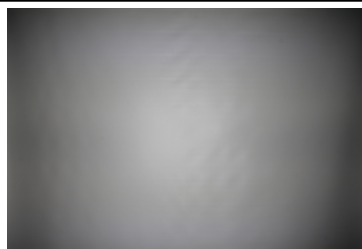
SAMSUNG

LED LT-S282H
FWHM 104.0 + 86.0°
Efficiency 85 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

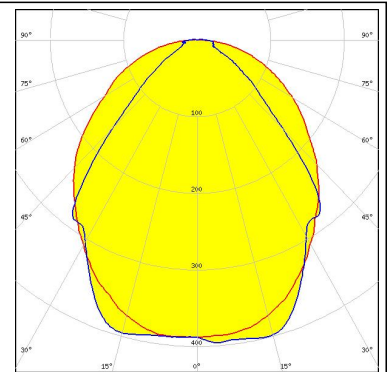
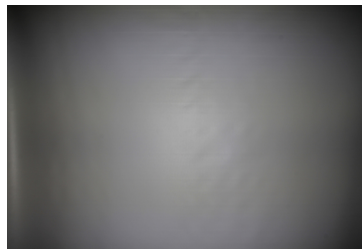
LED LT-S562H
FWHM 104.0 + 86.0°
Efficiency 85 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

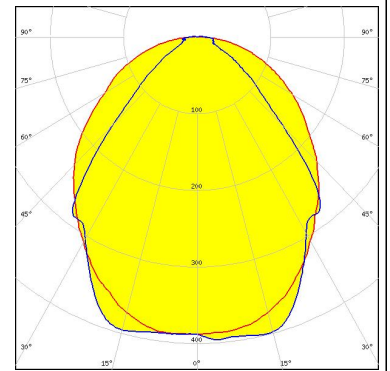
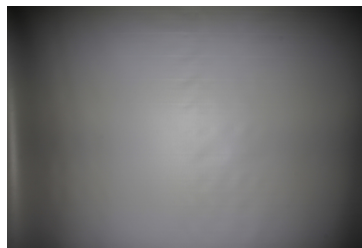
SAMSUNG

LED LT-V282E
FWHM 103.0 + 86.0°
Efficiency 85 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



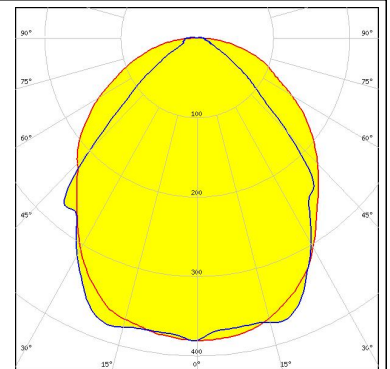
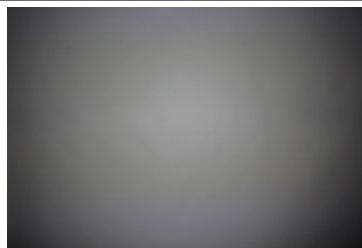
SAMSUNG

LED LT-V562E
FWHM 103.0 + 86.0°
Efficiency 85 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



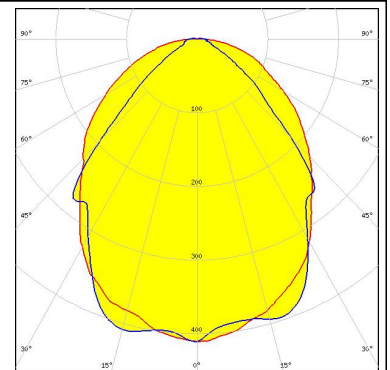
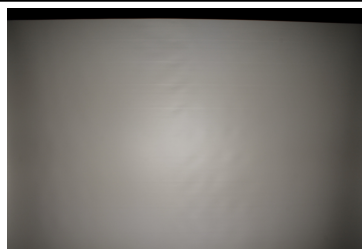
SEOUL SEMICONDUCTOR

LED SEOUL 5630D
FWHM 93.0°
Efficiency 82 %
Peak intensity 0.380 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

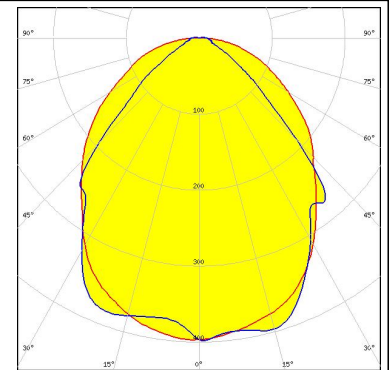
LED SEOUL DC 3030
FWHM 99.0 + 88.0°
Efficiency 85 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

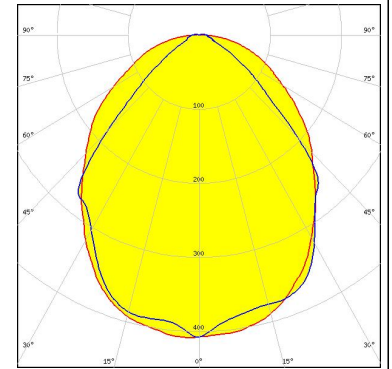
TRIDONIC

LED LLE G4 24x280mm 1250lm
FWHM 100.0 + 89.0°
Efficiency 83 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



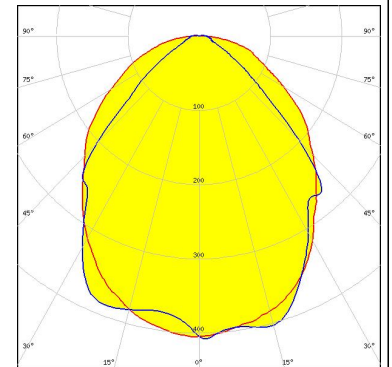
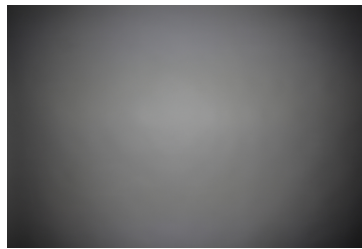
TRIDONIC

LED LLE G4 24x280mm 2000lm ADV
FWHM 98.0 + 88.0°
Efficiency 83 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

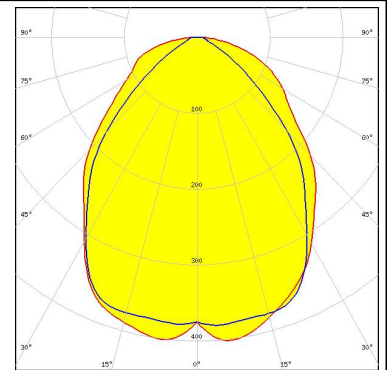
LED LLE G4 24x280mm 650lm
FWHM 99.0 + 89.0°
Efficiency 84 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



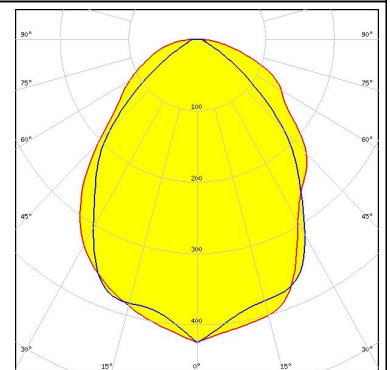
PHOTOMETRIC DATA (SIMULATED):



LED LUXEON 3030 2D (Round LES)
FWHM 93.0 + 84.0°
Efficiency 82 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris E 2835
FWHM 83.0 + 91.0°
Efficiency 82 %
Peak intensity 0.430 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

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Finland

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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/
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