

LINNEA-90-B

~90° + 90° wide beam optimized for 0.5 mm metal sheet or profile. Variant made from PC.

SPECIFICATION:

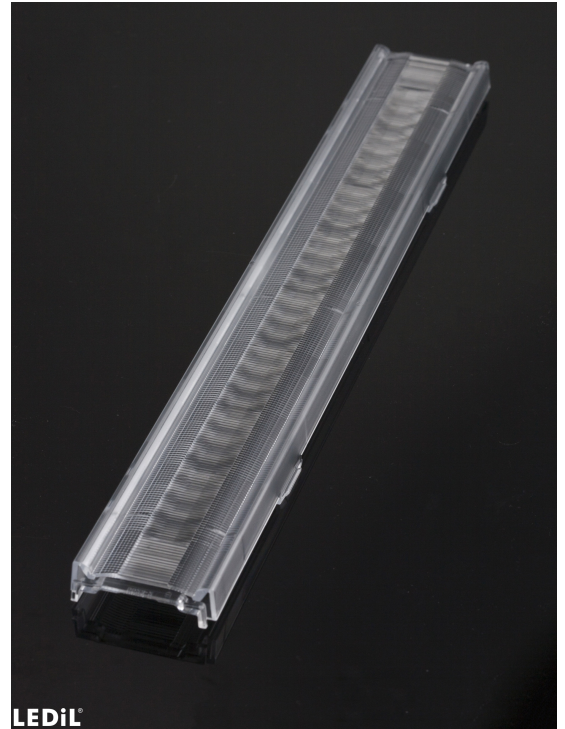
Dimensions	285.0 x 40.0 mm
Height	9.5 mm
Fastening	clips
ROHS compliant	yes ⓘ

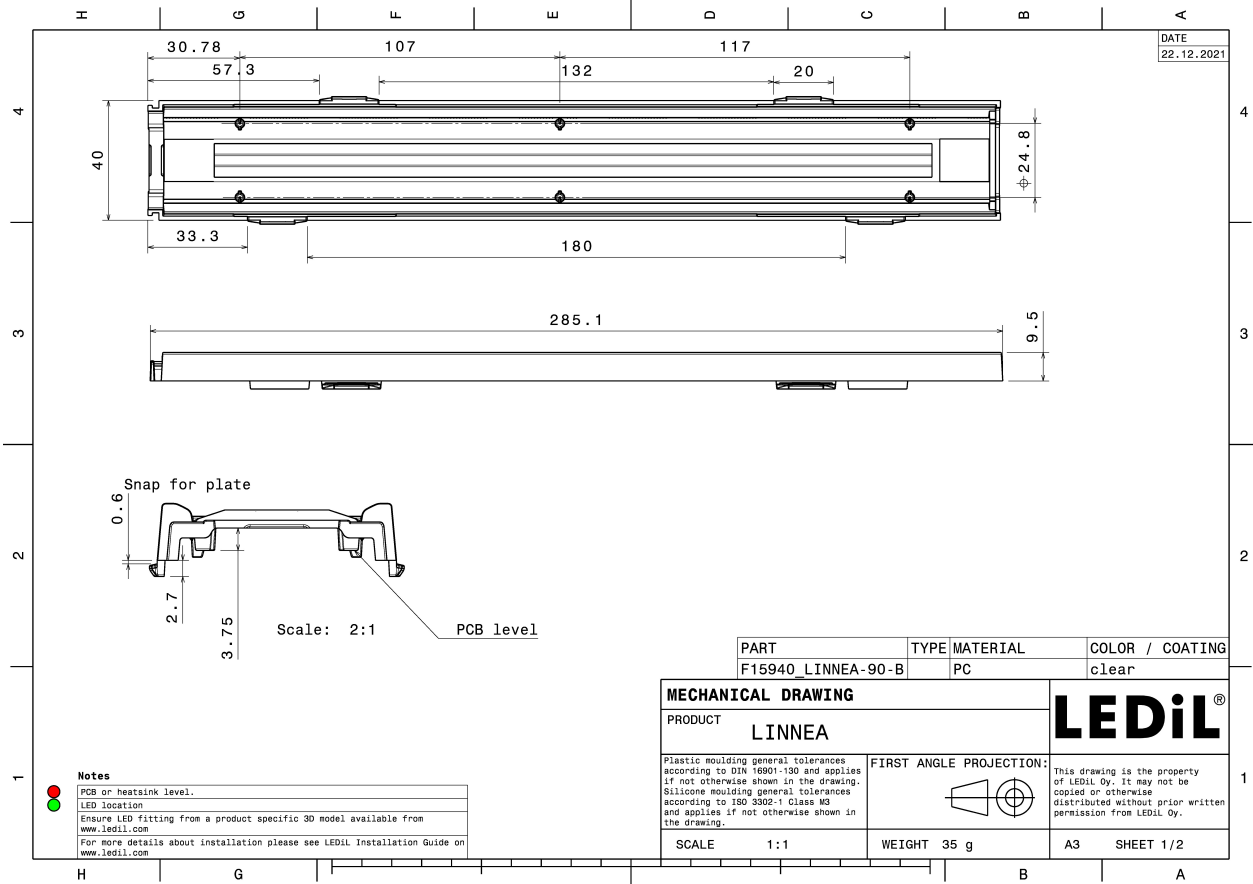
MATERIALS:

Component	Type	Material	Colour	Finish
LINNEA-90-B	Linear lens	PC	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15940_LINNEA-90-B » Box size: 398 x 298 x 265 mm	162	36	36	7.3



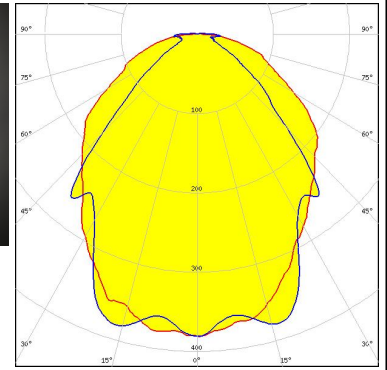
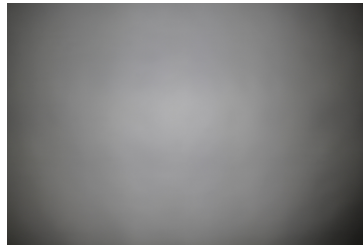


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

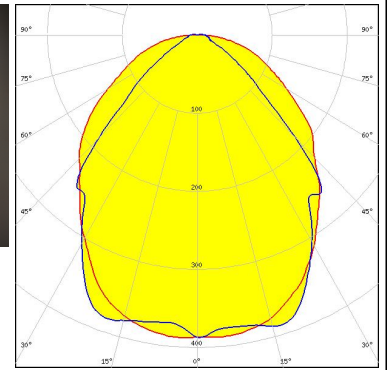
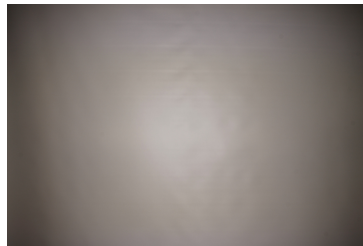


LED XP-E
 FWHM / FWTM 104.0 + 88.0° / 164.0 + 126.0°
 Efficiency 81 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



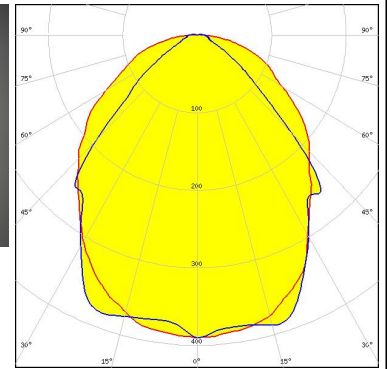
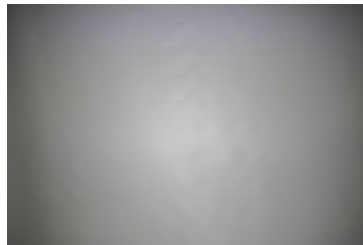
Helvar

LED L-iC-282-827-865-011A
 FWHM / FWTM 102.0 + 89.0° / 164.0 + 124.0°
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



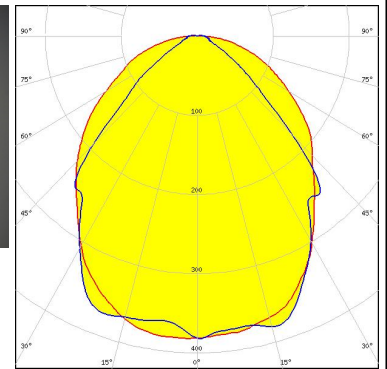
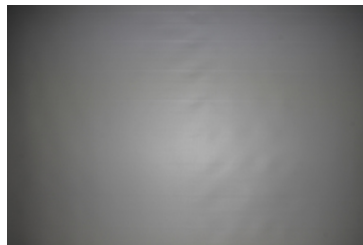
Helvar

LED LP-282-840-009A 60/300
 FWHM / FWTM 100.0 + 89.0° / 163.0 + 125.0°
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


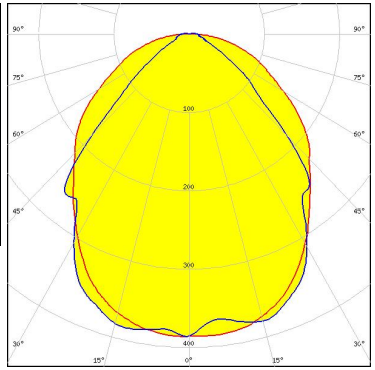

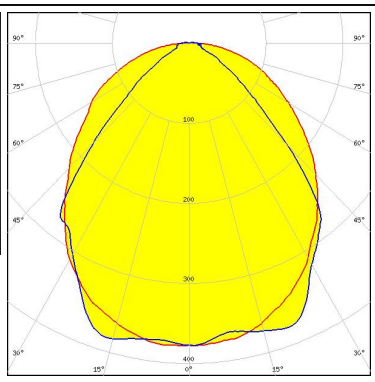

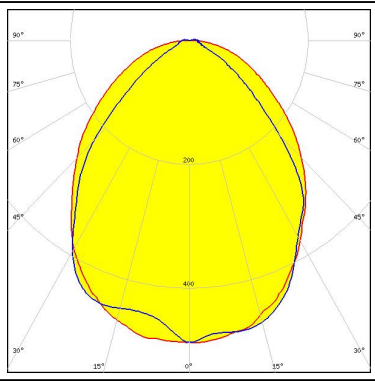

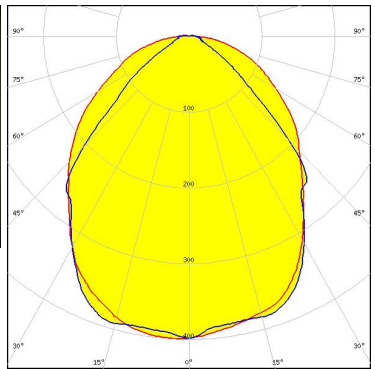


Helvar


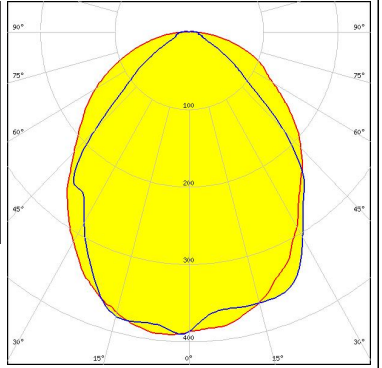

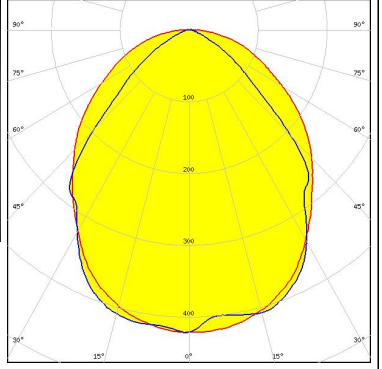
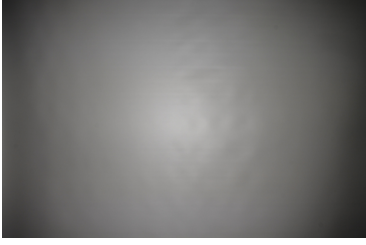
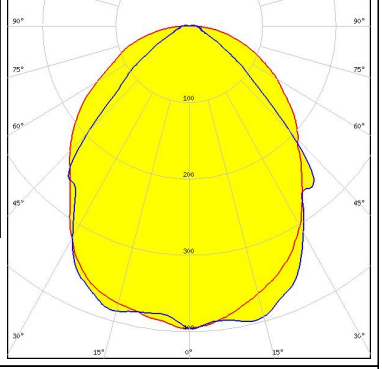
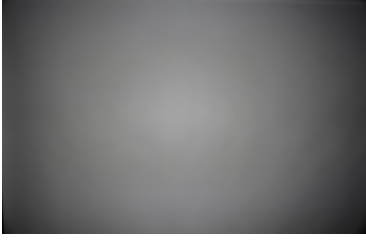
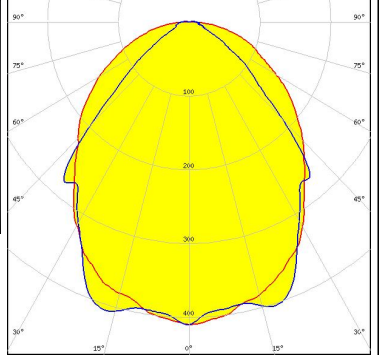
LED LS-282-840-011A
 FWHM / FWTM 102.0 + 90.0° / 164.0 + 125.0°
 Efficiency 81 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p>Helvar</p> <p>LED LX-282-840-023A</p> <p>FWHM / FWTM 102.0 + 89.0° / 164.0 + 125.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>MST <i>Your solutions</i></p> <p>LED LinLED 280x24mm 1100lm 830 2C 30V LINNEA-GC G1</p> <p>FWHM / FWTM 89.0 + 104.0° / 125.0 + 165.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NF2x757D</p> <p>FWHM / FWTM 86.0 + 96.0° / 125.0 + 159.0°</p> <p>Efficiency 0 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NFSW757H</p> <p>FWHM / FWTM 100.0 + 90.0° / 163.0 + 125.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

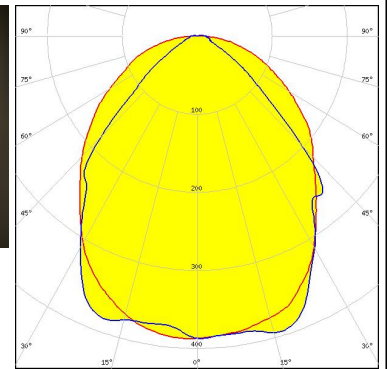
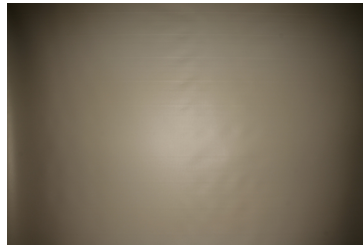
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NFSx757G</p> <p>FWHM / FWTM 98.0 + 88.0° / 162.0 + 125.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM</p> <p>LED PL-LIN-IND-Z1 2800 560x24</p> <p>FWHM / FWTM 101.0 + 89.0° / 163.0 + 125.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (2 chip)</p> <p>FWHM / FWTM 99.0 + 89.0° / 163.0 + 125.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (Single chip)</p> <p>FWHM / FWTM 98.0 + 89.0° / 163.0 + 125.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

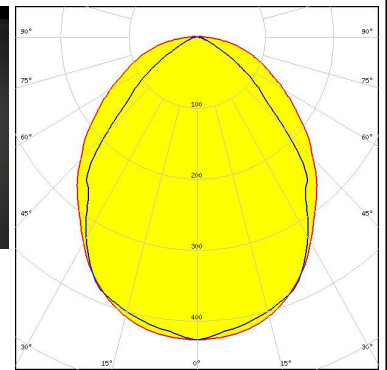
PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4
 FWHM / FWTM 100.0 + 89.0° / 163.0 + 124.0°
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



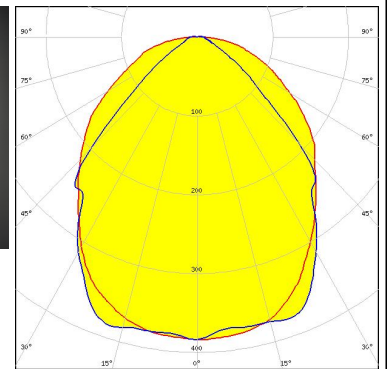
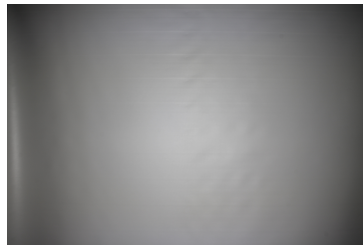
PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV5 & LV5
 FWHM / FWTM 99.0 + 85.0° / 163.0 + 123.0°
 Efficiency 86 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



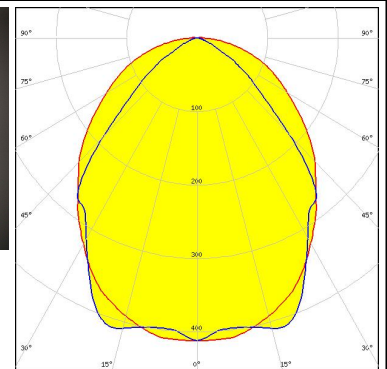
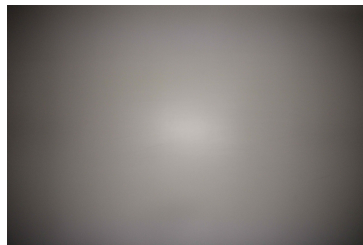
PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4
 FWHM / FWTM 102.0 + 90.0° / 164.0 + 124.0°
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

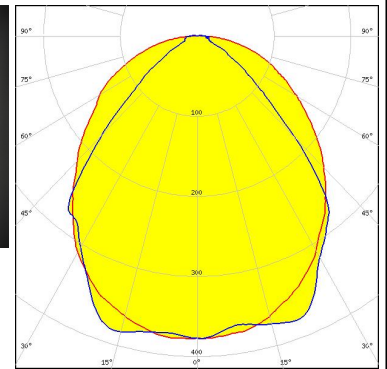
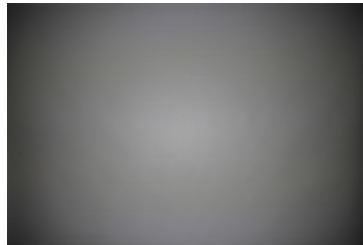
LED Fortimo LED Strip 1ft 650lm FC HV5 & LV5
 FWHM / FWTM 101.0 + 87.0° / 163.0 + 123.0°
 Efficiency 86 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

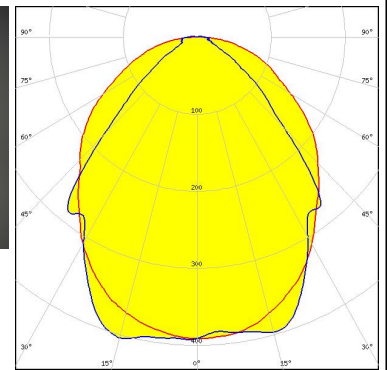
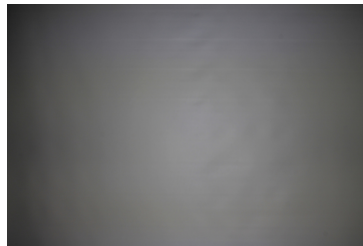
SAMSUNG

LED LM561B Plus
FWHM / FWTM 89.0 + 104.0° / 125.0 + 165.0°
Efficiency 83 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



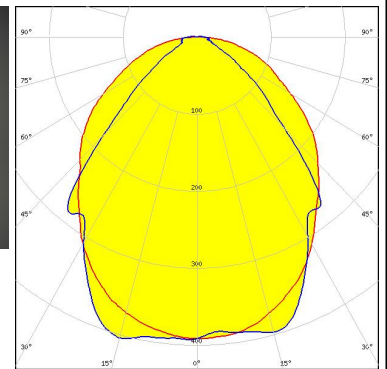
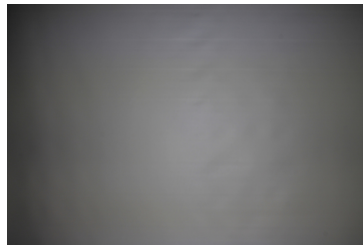
SAMSUNG

LED LT-H282C
FWHM / FWTM 103.0 + 87.0° / 164.0 + 125.0°
Efficiency 84 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



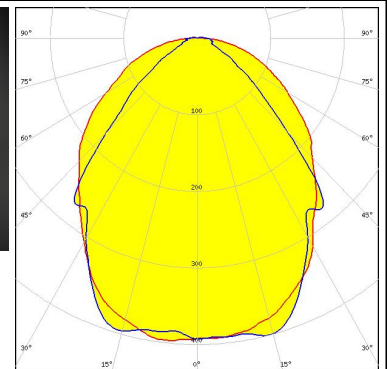
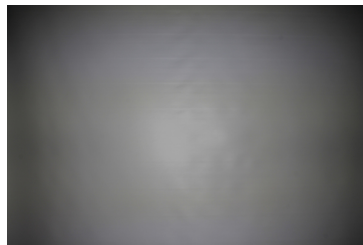
SAMSUNG

LED LT-H562C
FWHM / FWTM 103.0 + 87.0° / 164.0 + 125.0°
Efficiency 84 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

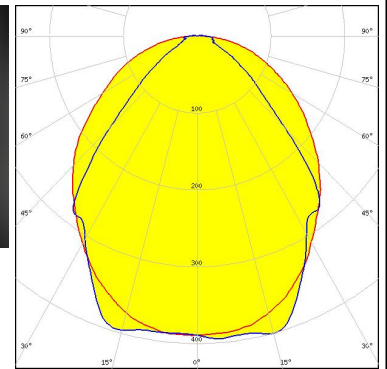
LED LT-Q282B
FWHM / FWTM 101.0 + 87.0° / 164.0 + 125.0°
Efficiency 84 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

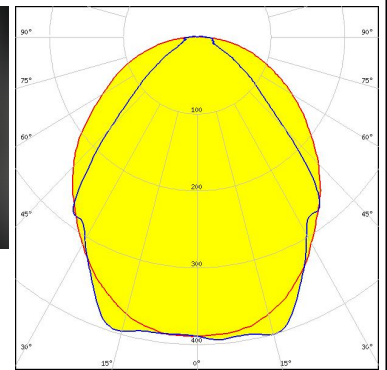
SAMSUNG

LED LT-S282H
 FWHM / FWTM 104.0 + 86.0° / 165.0 + 125.0°
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



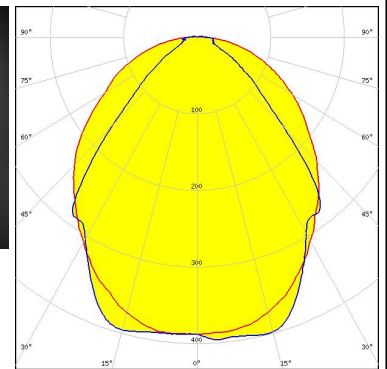
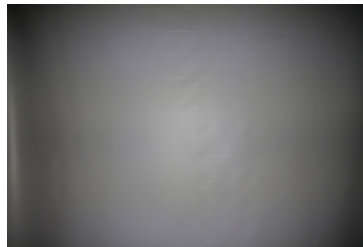
SAMSUNG

LED LT-S562H
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 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



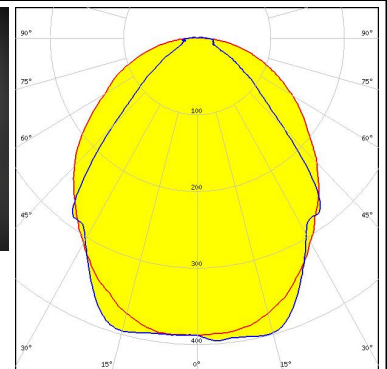
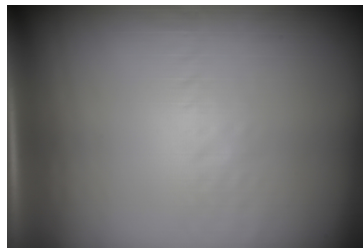
SAMSUNG

LED LT-V282E
 FWHM / FWTM 103.0 + 86.0° / 164.0 + 125.0°
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


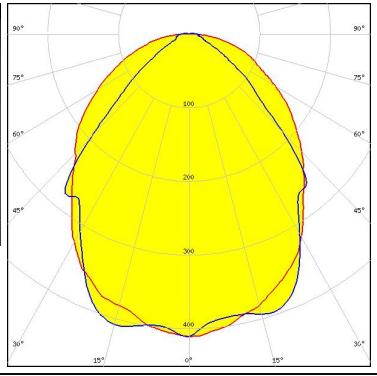
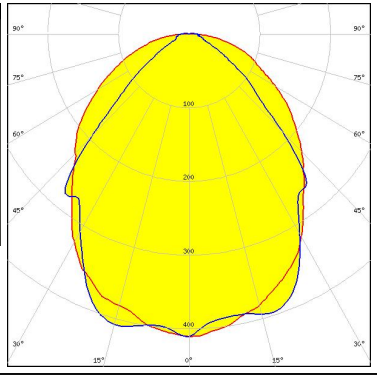
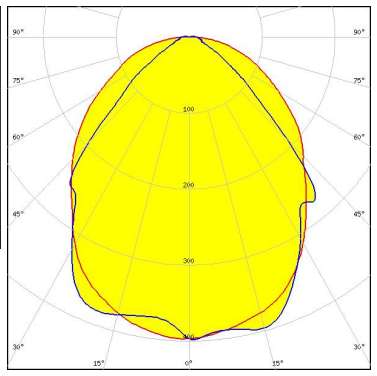
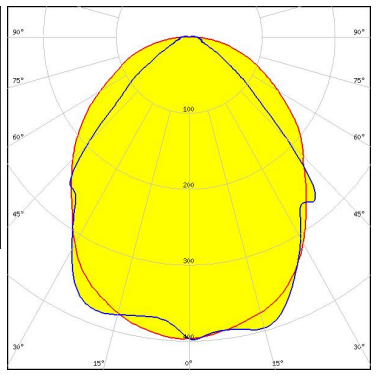
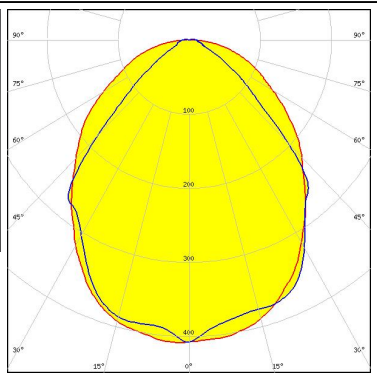
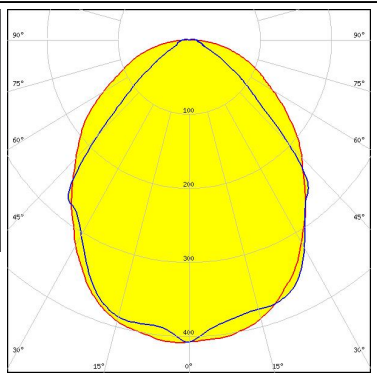
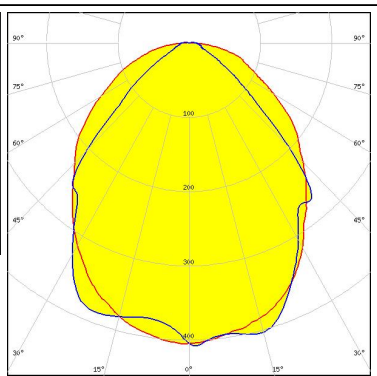
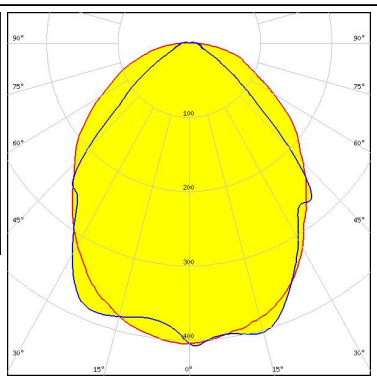


SAMSUNG

LED LT-V562E
 FWHM / FWTM 103.0 + 86.0° / 164.0 + 125.0°
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030</p> <p>FWHM / FWTM: 99.0 + 88.0° / 163.0 + 125.0°</p> <p>Efficiency: 85 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p>TRIDONIC</p> <p>LED: LLE G4 24x280mm 1250lm</p> <p>FWHM / FWTM: 100.0 + 89.0° / 163.0 + 125.0°</p> <p>Efficiency: 83 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p>TRIDONIC</p> <p>LED: LLE G4 24x280mm 2000lm ADV</p> <p>FWHM / FWTM: 98.0 + 88.0° / 162.0 + 124.0°</p> <p>Efficiency: 83 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p>TRIDONIC</p> <p>LED: LLE G4 24x280mm 650lm</p> <p>FWHM / FWTM: 99.0 + 89.0° / 163.0 + 125.0°</p> <p>Efficiency: 84 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		

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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where_to_buy](http://www.ledil.com/where_to_buy)

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Hong Kong, China

Distribution Partners

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