

LINNEA-O

~35° + 70° oval beam optimized for 1.0 mm metal sheet or profile. Variant made from PC.

SPECIFICATION:

Dimensions	285.0 x 40.0 mm
Height	10.5 mm
Fastening	pin
ROHS compliant	yes ⓘ

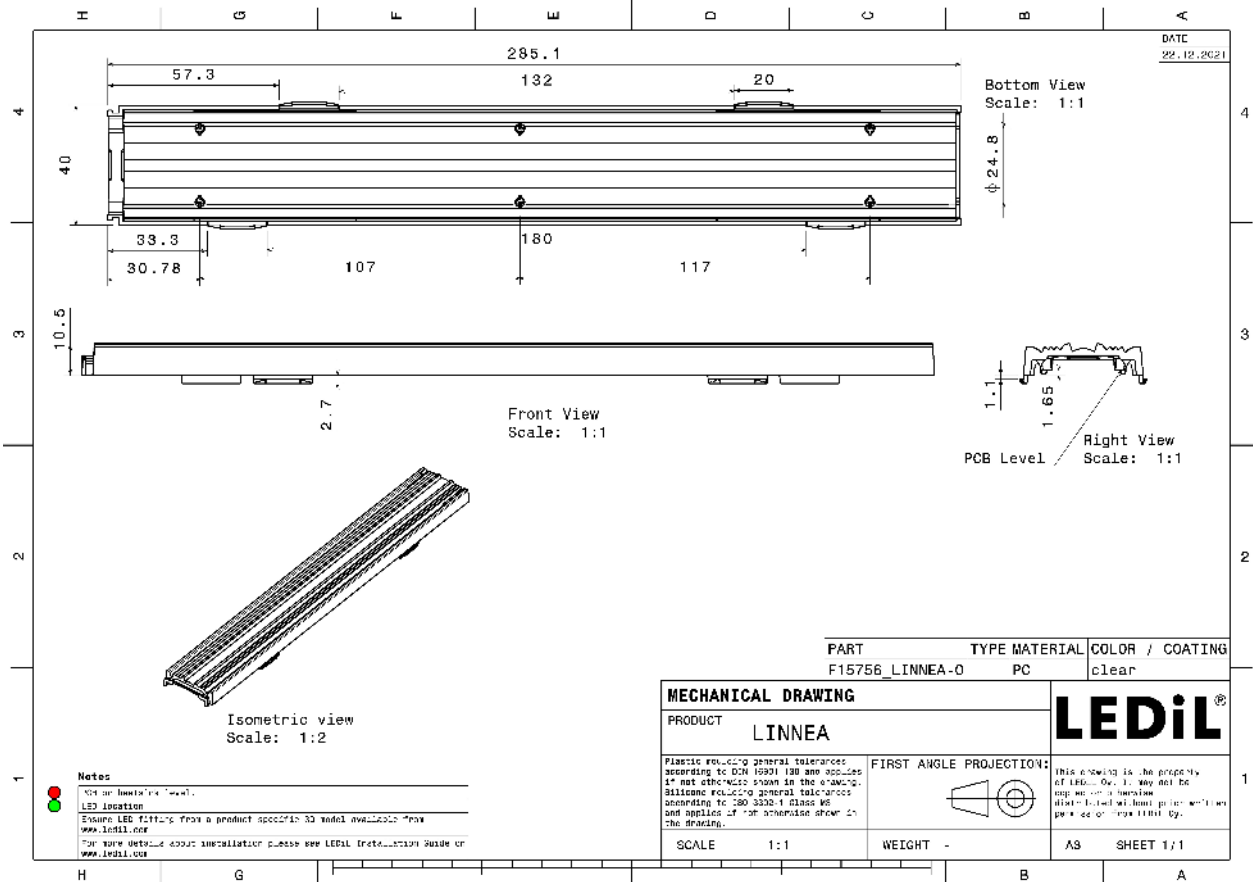
MATERIALS:

Component	Type	Material	Colour	Finish
LINNEA-O	Linear lens	PC	clear	



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15756_LINNEA-O » Box size: 398 x 298 x 265 mm	153	36	36	8.0

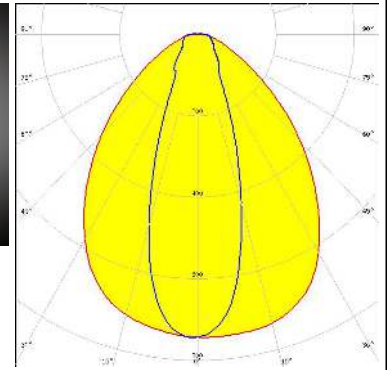
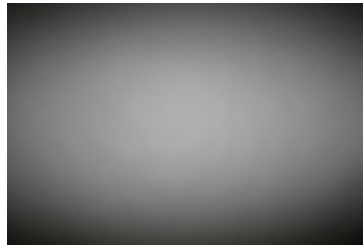


See also our general installation guide: www.ledil.com/installation_guide

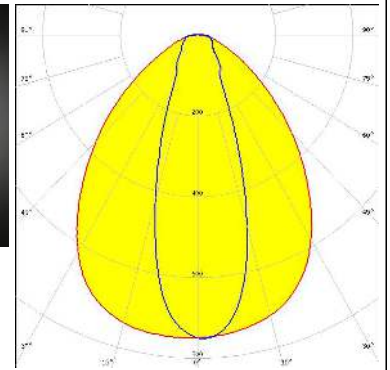
OPTICAL RESULTS (MEASURED):



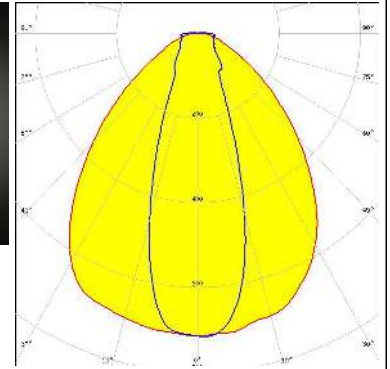
LED CALOSNU405-M7W1
 FWHM / FWTM 88.0 + 35.0° / 137.0 + 84.0°
 Efficiency 82 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



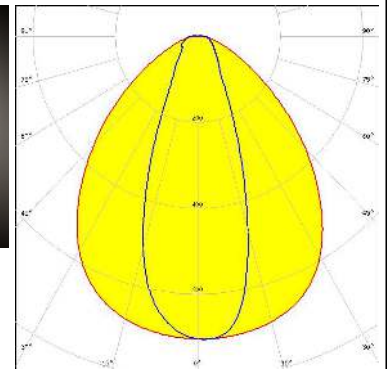
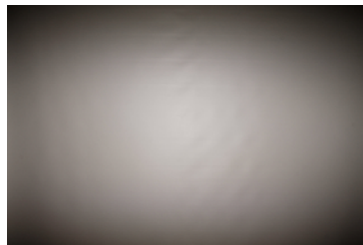
LED CALOSNU410-M7W1
 FWHM / FWTM 88.0 + 35.0° / 136.0 + 83.0°
 Efficiency 82 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



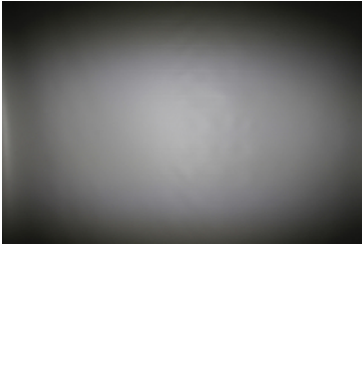
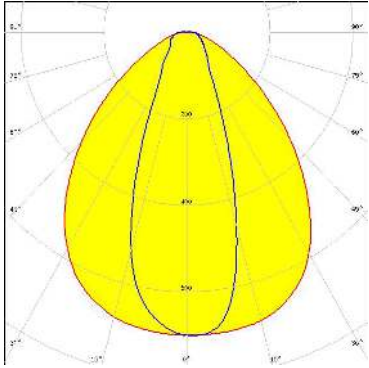

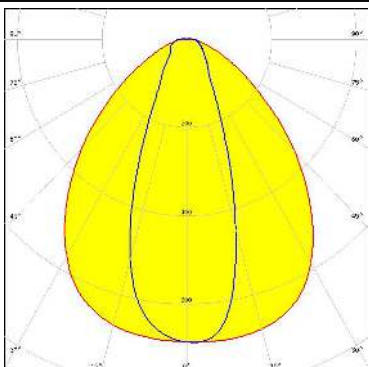

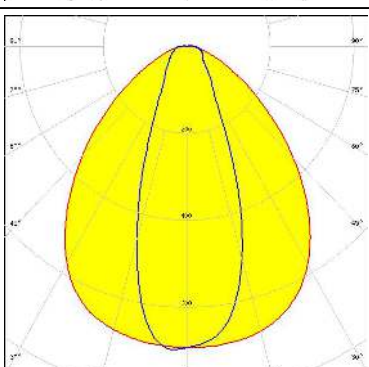

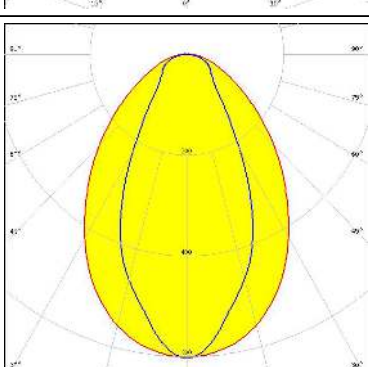
LED XP-E
 FWHM / FWTM 90.0 + 35.0° / 138.0 + 86.0°
 Efficiency 81 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




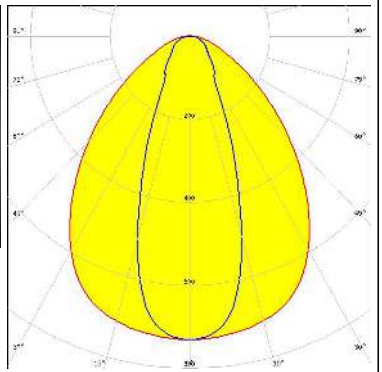

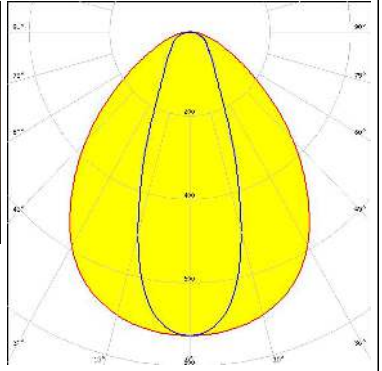
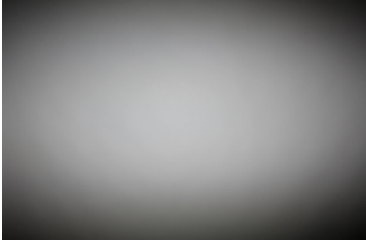
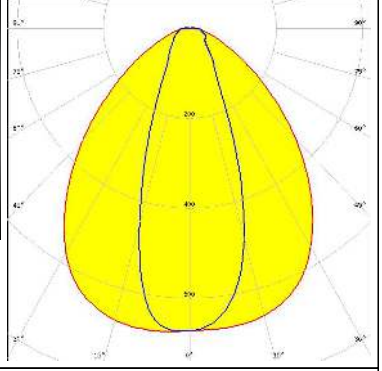
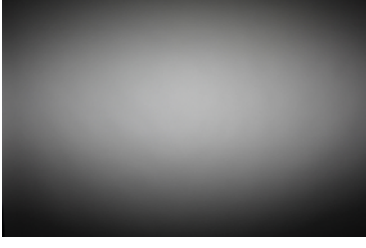
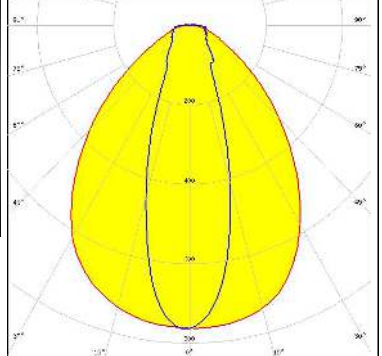
LED L-iC-282-827-865-011A
 FWHM / FWTM 91.0 + 39.0° / 139.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




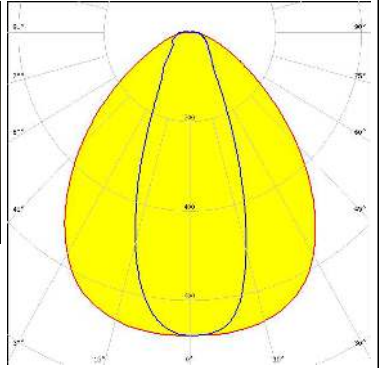
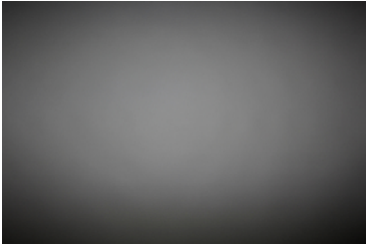
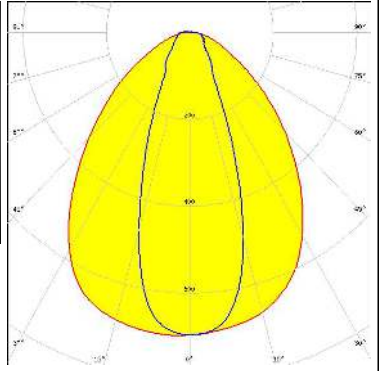

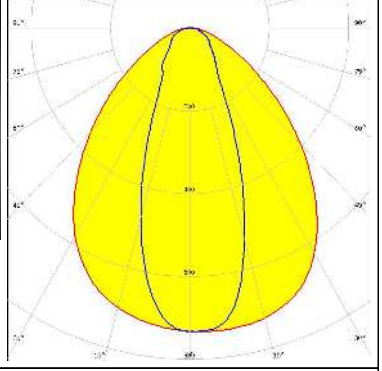

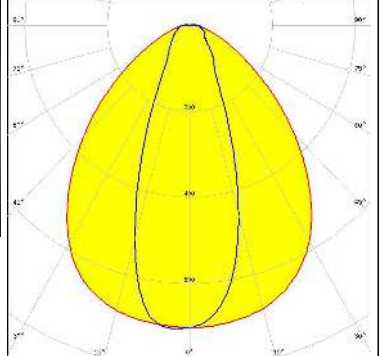
OPTICAL RESULTS (MEASURED):

<p>Helvar</p> <p>LED LP-282-840-009A 60/300 FWHM / FWTM 91.0 + 39.0° / 139.0 + 85.0° Efficiency 83 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>Helvar</p> <p>LED LS-282-840-011A FWHM / FWTM 92.0 + 39.0° / 140.0 + 86.0° Efficiency 82 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>Helvar</p> <p>LED LX-282-840-023A FWHM / FWTM 91.0 + 39.0° / 139.0 + 86.0° Efficiency 83 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMITRONIX[®] <small>Technologies for the future</small></p> <p>LED LinearZ 280-112 Circadian TW FWHM / FWTM 81.0 + 56.0° / 142.0 + 111.0° Efficiency 84 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour Tunable White Required components:</p>		

OPTICAL RESULTS (MEASURED):

<p>LUMITRONIX[®] <small>LEDs - semiconductors LLC - established in 2006</small></p> <p>LED LinearZ 280-26</p> <p>FWHM / FWTM 89.0 + 39.0° / 140.0 + 89.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMITRONIX[®] <small>LEDs - semiconductors LLC - established in 2006</small></p> <p>LED LinearZ 280-40 TW</p> <p>FWHM / FWTM 90.0 + 38.0° / 140.0 + 89.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components:</p>		
<p>MST <small>Your solutions</small></p> <p>LED LinLED 280x24mm 1100lm 830 2C 30V LINNEA-GC G1</p> <p>FWHM / FWTM 91.0 + 39.0° / 139.0 + 84.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NF2x757G</p> <p>FWHM / FWTM 86.0 + 33.0° / 136.0 + 84.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

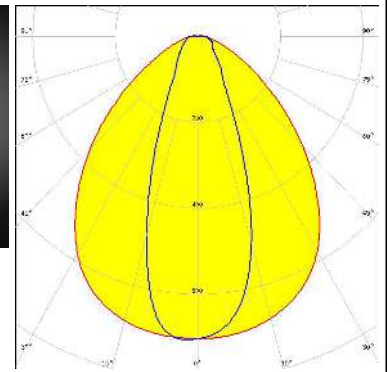
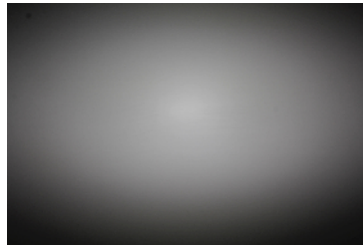
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NFSW757H FWHM / FWTM 92.0 + 41.0° / 140.0 + 89.0° Efficiency 85 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NFSx757G FWHM / FWTM 87.0 + 38.0° / 140.0 + 85.0° Efficiency 81 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM</p> <p>LED PL-LIN-IND-Z1 2800 560x24 FWHM / FWTM 91.0 + 39.0° / 140.0 + 94.0° Efficiency 87 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM</p> <p>LED PL-LIN-Z5 1100 280x20 FWHM / FWTM 91.0 + 38.0° / 139.0 + 85.0° Efficiency 83 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

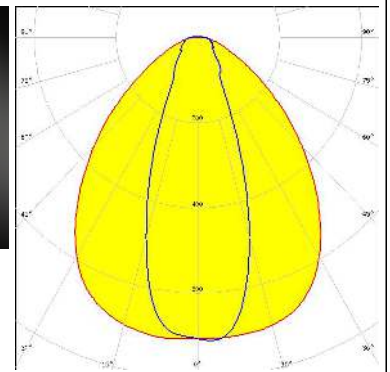
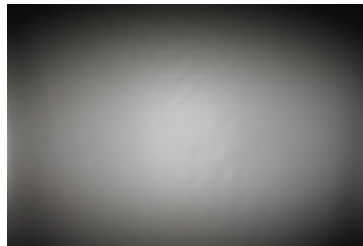
OSRAM

LED PL-LIN-Z5 2000 280x20
 FWHM / FWTM 92.0 + 39.0° / 140.0 + 85.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



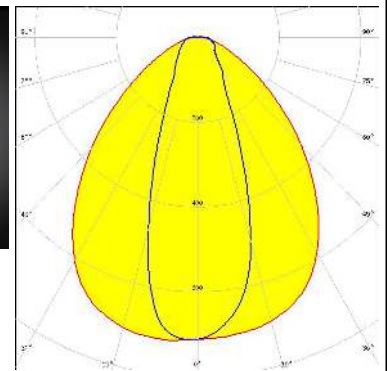
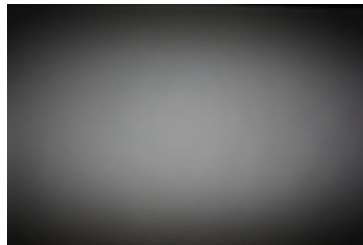
OSRAM

LED Duris S5 (2 chip)
 FWHM / FWTM 90.0 + 38.0° / 138.0 + 86.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



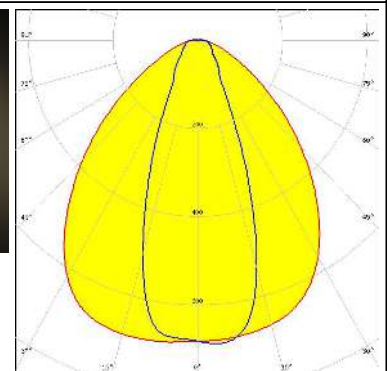
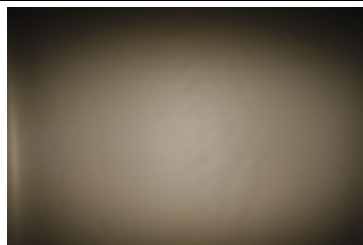
OSRAM

LED Duris S5 (Single chip)
 FWHM / FWTM 91.0 + 38.0° / 139.0 + 88.0°
 Efficiency 85 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

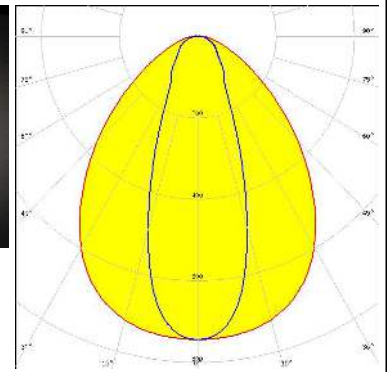
LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4
 FWHM / FWTM 92.0 + 40.0° / 140.0 + 85.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

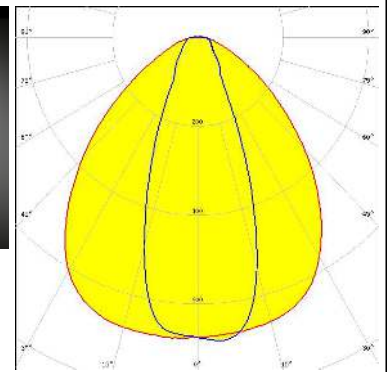
PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV5 & LV5
 FWHM / FWTM 89.0 + 38.0° / 140.0 + 92.0°
 Efficiency 86 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



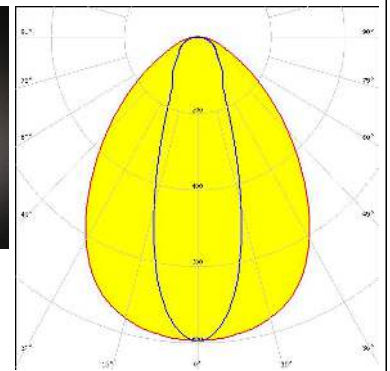
PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4
 FWHM / FWTM 93.0 + 40.0° / 140.0 + 85.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



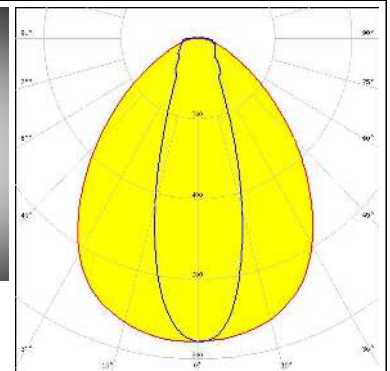
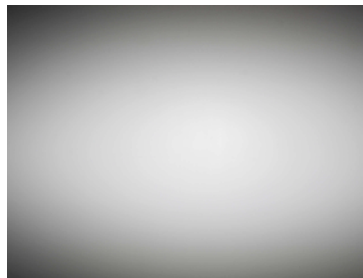
PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV5 & LV5
 FWHM / FWTM 85.0 + 33.0° / 136.0 + 90.0°
 Efficiency 85 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

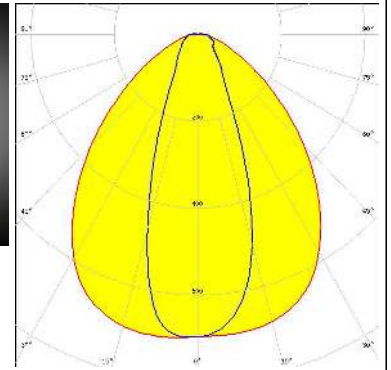
LED LM28xB Series
 FWHM / FWTM 88.0 + 33.0° / 137.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

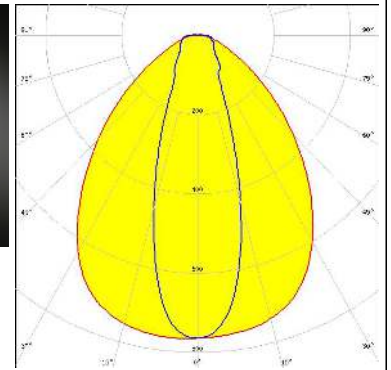
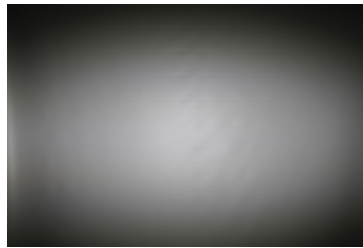
SAMSUNG

LED LM561B Plus
 FWHM / FWTM 91.0 + 39.0° / 139.0 + 84.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



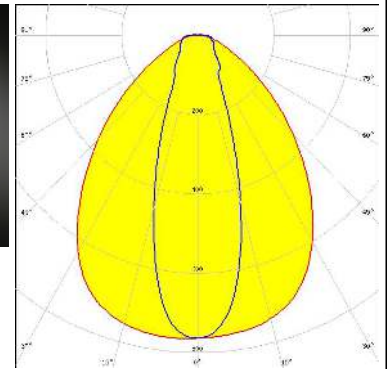
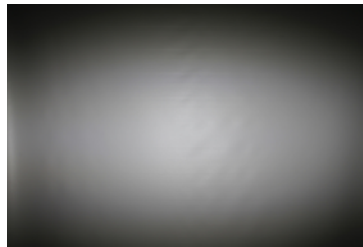
SAMSUNG

LED LT-H282C
 FWHM / FWTM 88.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



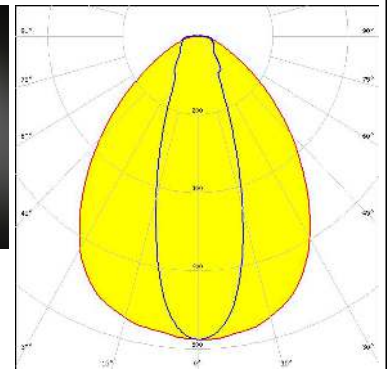
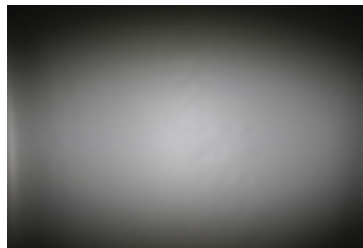
SAMSUNG

LED LT-H562C
 FWHM / FWTM 88.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

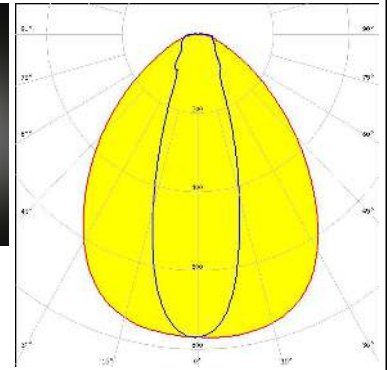
LED LT-Q282B
 FWHM / FWTM 86.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

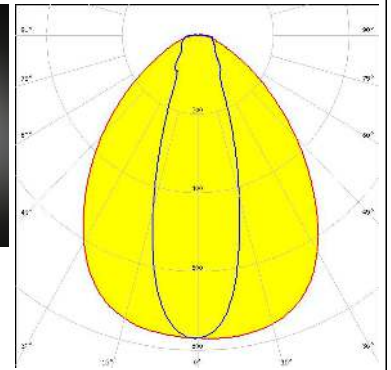
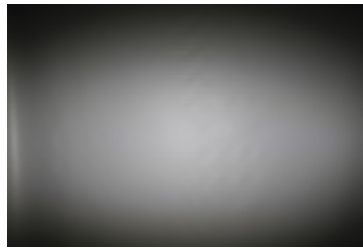
SAMSUNG

LED LT-S282H
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



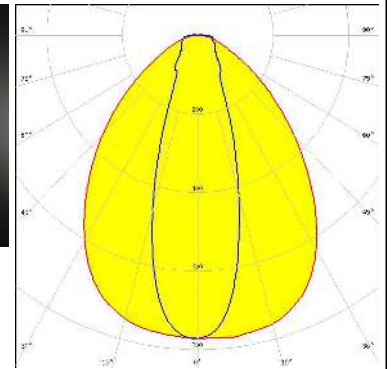
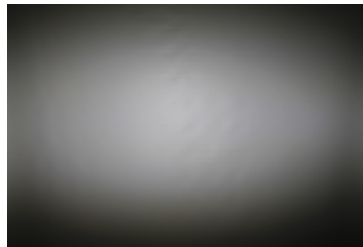
SAMSUNG

LED LT-S562H
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



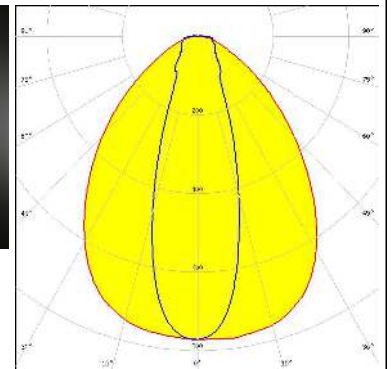
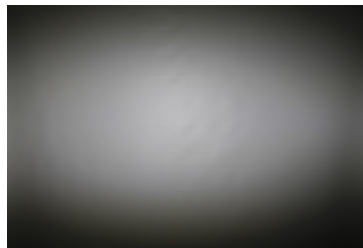
SAMSUNG

LED LT-V282E
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

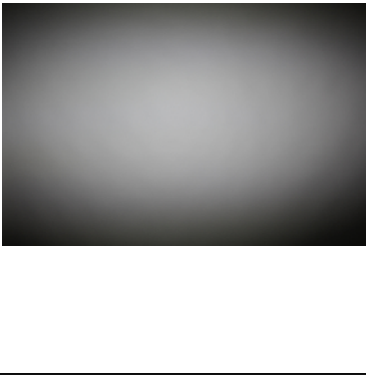
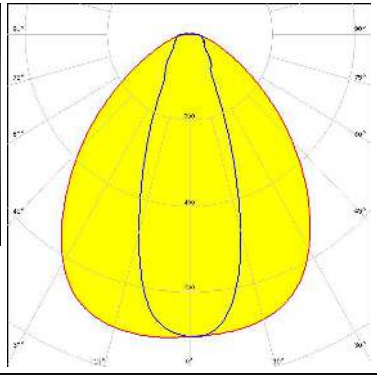

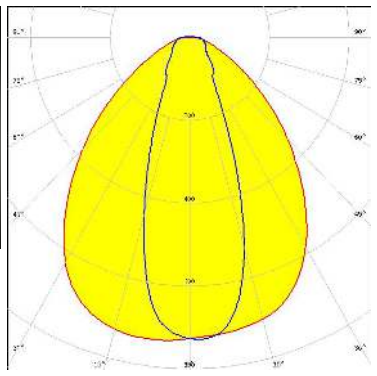

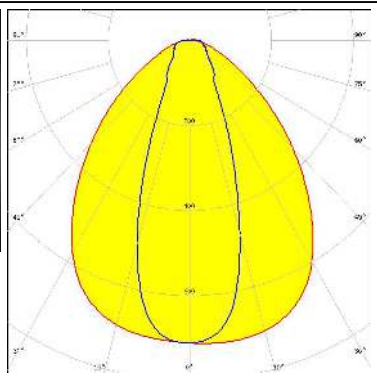
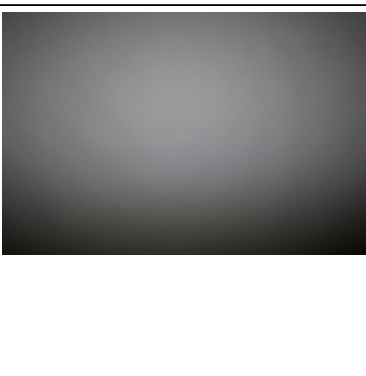
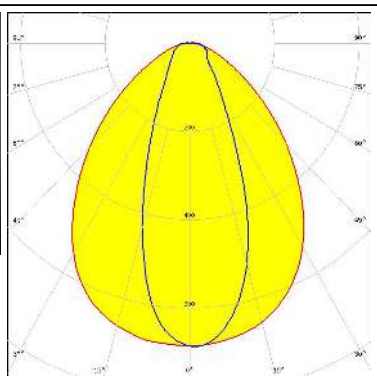


SAMSUNG

LED LT-V562E
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



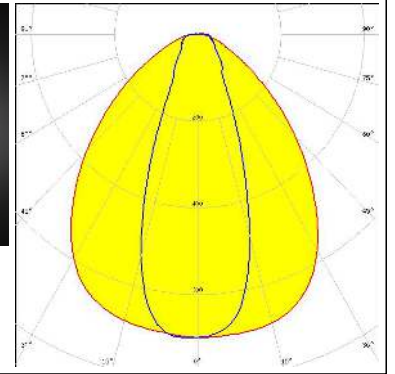
OPTICAL RESULTS (MEASURED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL 5630D</p> <p>FWHM / FWTM 91.0 + 38.0° / 139.0 + 86.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL DC 3030</p> <p>FWHM / FWTM 89.0 + 37.0° / 138.0 + 87.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.7 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 89.0 + 38.0° / 138.0 + 86.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.7 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 88.0 + 40.0° / 139.0 + 88.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):


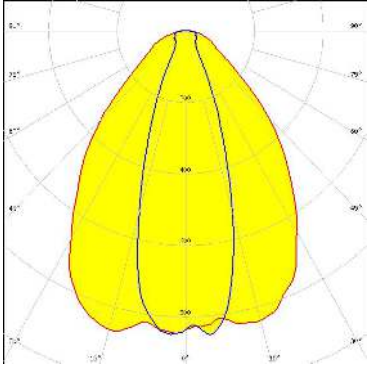
TRIDONIC

LED LLE G4 24x280mm 650lm
FWHM / FWTM 90.0 + 39.0° / 138.0 + 87.0°
Efficiency 84 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

		
LED	Bridgelux SMD 2835	
Assembly	NULL	
FWHM / FWTM	82.0 + 33.0° / 125.0 + 52.0°	
Efficiency	79 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

		
LED	SEOUL DC 3030C	
FWHM / FWTM	82.0 + 34.0° / 134.0 + 60.0°	
Efficiency	84 %	
Peak intensity	0.9 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.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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

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