

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
ROHS compliant	yes ⓘ

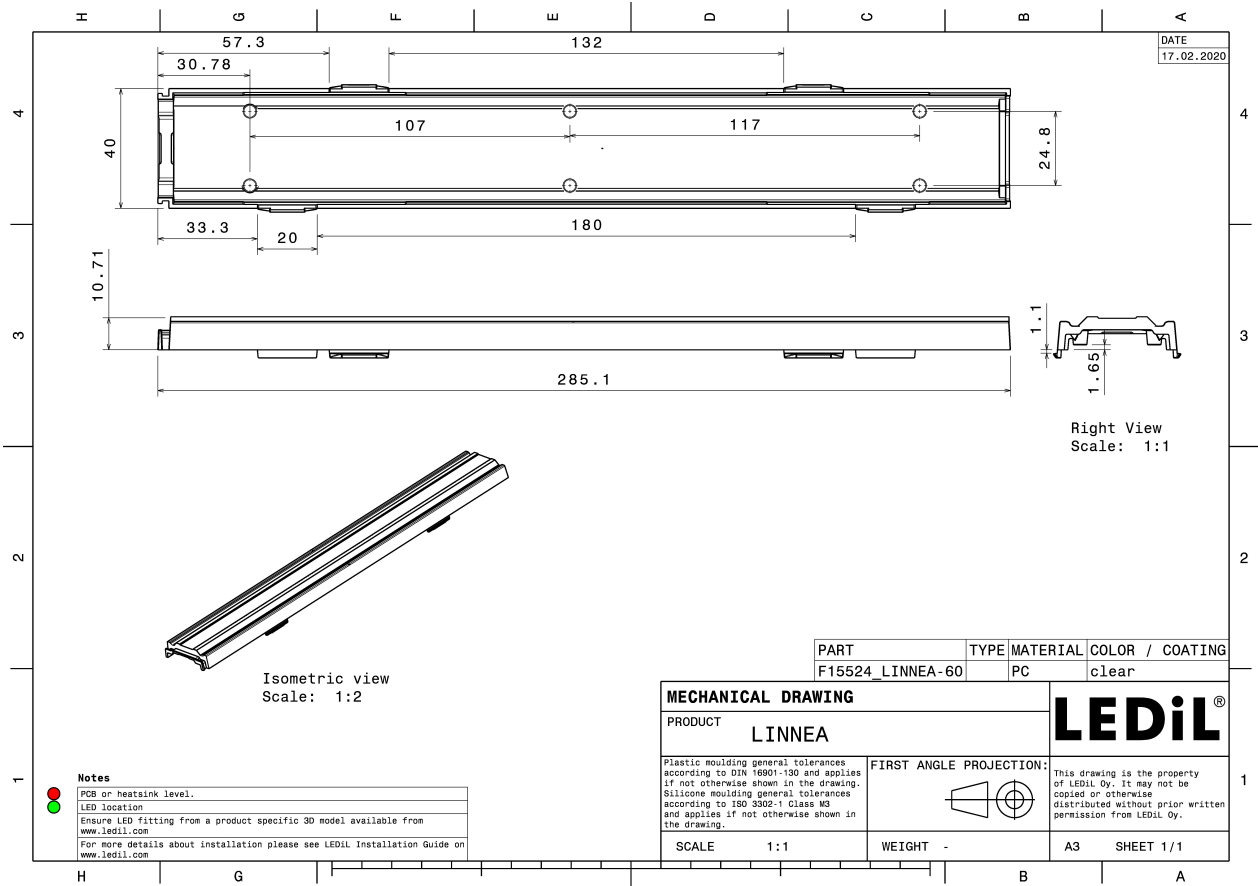
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LINNEA-60	Linear lens	PC	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15524_LINNEA-60 » Box size: 398 x 298 x 265 mm	153	36	36	7.7



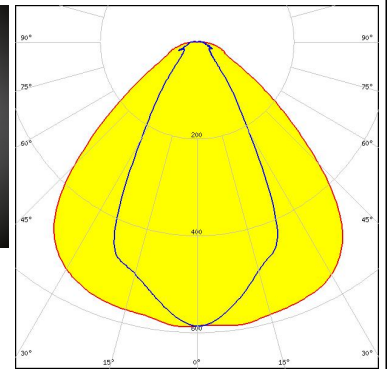
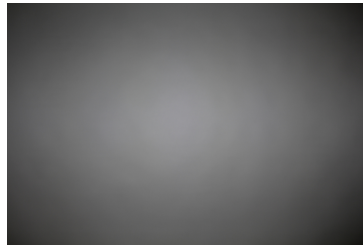


See also our general installation guide: www.ledil.com/installation_guide

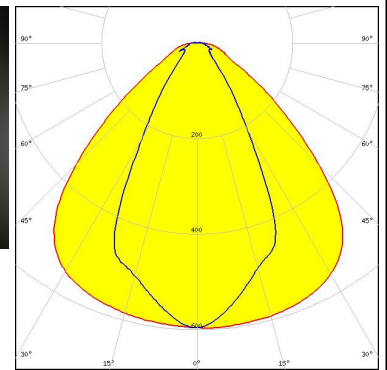
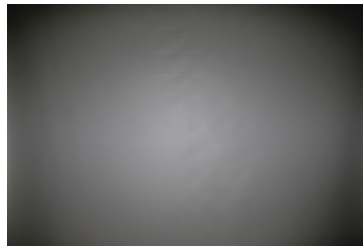
PHOTOMETRIC DATA (MEASURED):



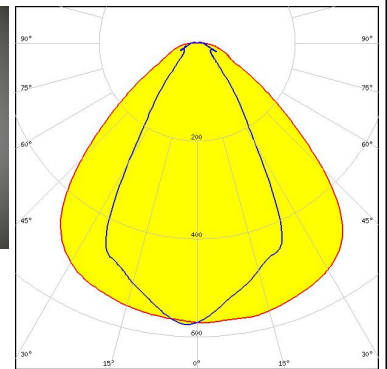
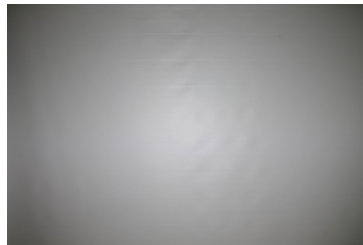
LED CALOSNU405-M7W1
 FWHM / FWTM 96.0 + 55.0° / 141.0 + 87.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



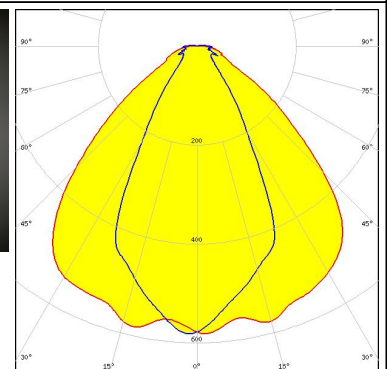
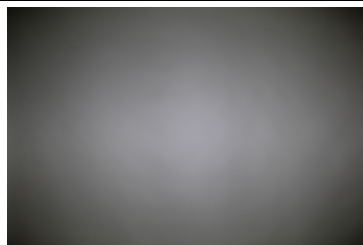
LED CALOSNU410-M7W1
 FWHM / FWTM 95.0 + 55.0° / 139.0 + 86.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




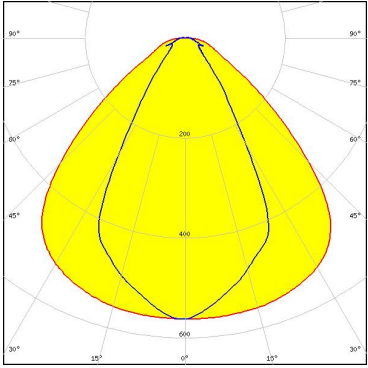
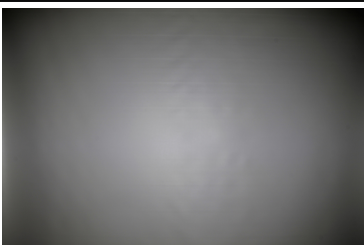
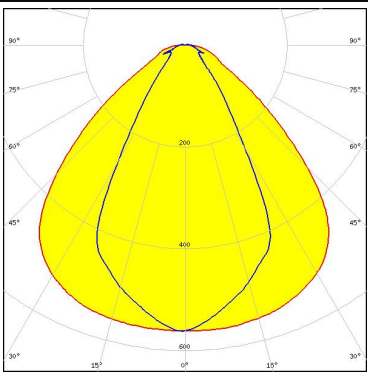
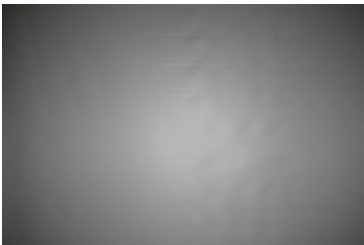
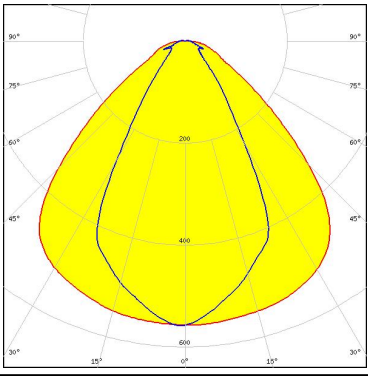

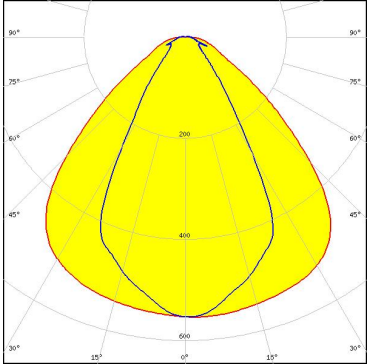
LED Tridino 1ft 1100lm xxxHE 1R HV
 FWHM / FWTM 96.0 + 58.0° / 142.0 + 89.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-E
 FWHM / FWTM 96.0 + 54.0° / 139.0 + 86.0°
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



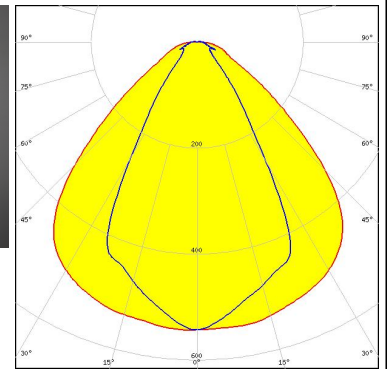
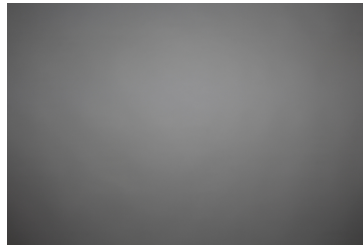
PHOTOMETRIC DATA (MEASURED):

<p>Helvar</p> <p>LED L-iC-282-827-865-011A</p> <p>FWHM / FWTM 97.0 + 58.0° / 142.0 + 91.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>Helvar</p> <p>LED LP-282-840-009A 60/300</p> <p>FWHM / FWTM 97.0 + 58.0° / 142.0 + 91.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>Helvar</p> <p>LED LS-282-840-011A</p> <p>FWHM / FWTM 97.0 + 58.0° / 145.0 + 91.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>Helvar</p> <p>LED LX-282-840-023A</p> <p>FWHM / FWTM 96.0 + 59.0° / 144.0 + 92.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

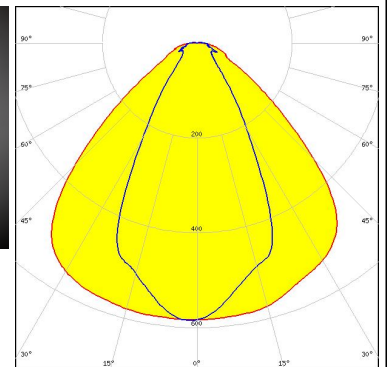
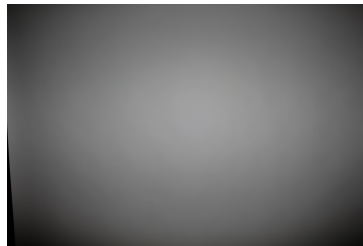
MST *Your solutions*

LED LinLED 280x24mm 1100lm 8x0 2C 30V Opt G1
 FWHM / FWTM 96.0 + 59.0° / 143.0 + 89.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



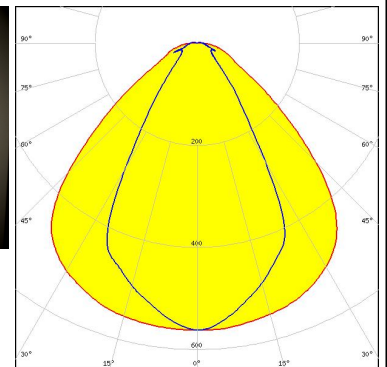
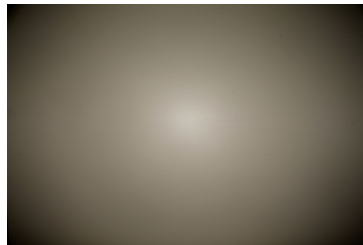
NICHIA

LED NF2x757G
 FWHM / FWTM 96.0 + 54.0° / 141.0 + 87.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



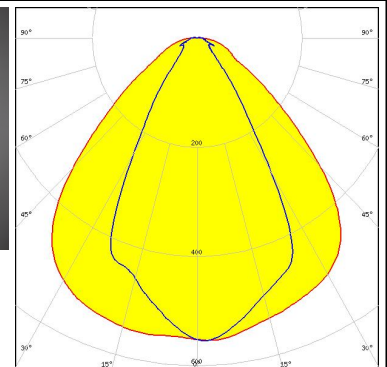
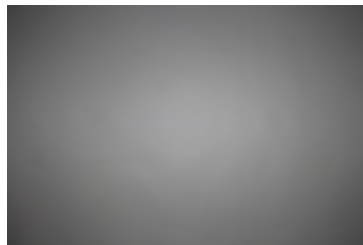
NICHIA

LED NFSW757H
 FWHM / FWTM 96.0 + 60.0° / 145.0 + 93.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

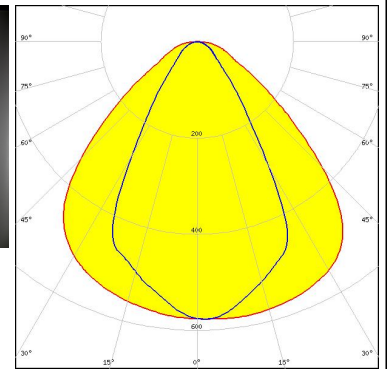
LED NFSx757G
 FWHM / FWTM 96.0 + 59.0° / 145.0 + 88.0°
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

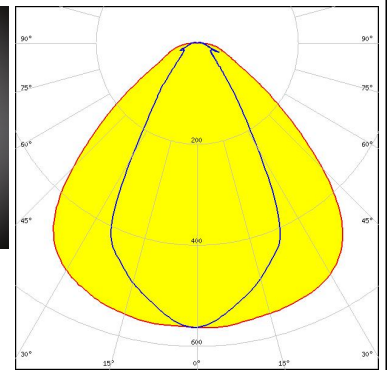
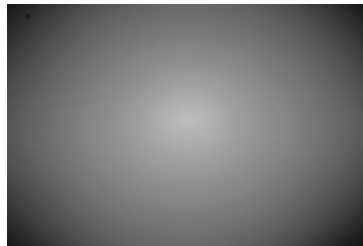
OSRAM

LED PL-LIN-IND-Z1 2800 560x24
 FWHM / FWTM 96.0 + 60.0° / 144.0 + 96.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



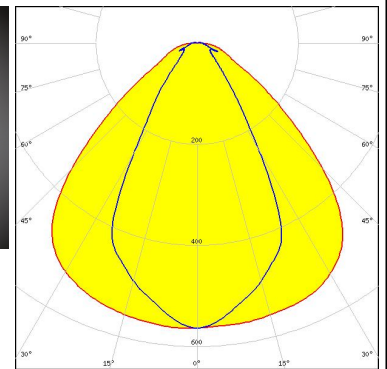
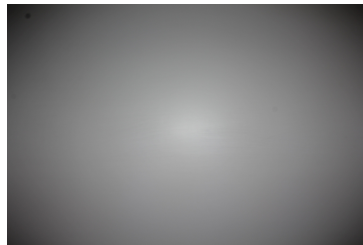
OSRAM

LED PL-LIN-Z5 1100 280x20
 FWHM / FWTM 97.0 + 58.0° / 143.0 + 91.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

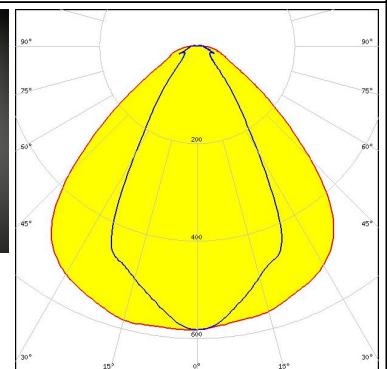
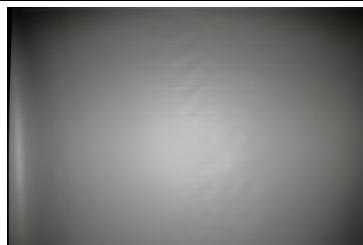
LED PL-LIN-Z5 2000 280x20
 FWHM / FWTM 97.0 + 58.0° / 143.0 + 91.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED Duris S5 (2 chip)
 FWHM / FWTM 95.0 + 57.0° / 140.0 + 88.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

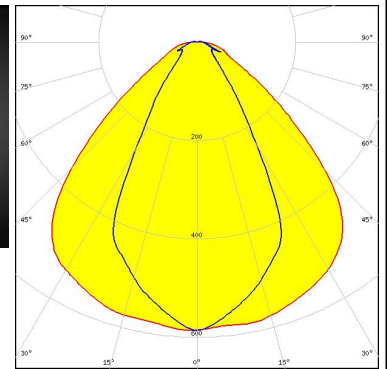


PHOTOMETRIC DATA (MEASURED):

OSRAM

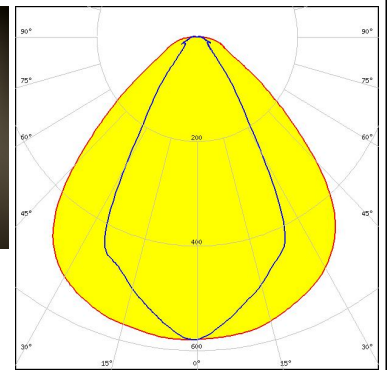
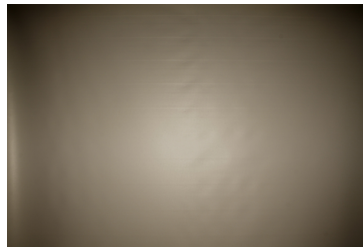
Opto Semiconductors

LED Duris S5 (Single chip)
 FWHM / FWTM 96.0 + 57.0° / 143.0 + 91.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



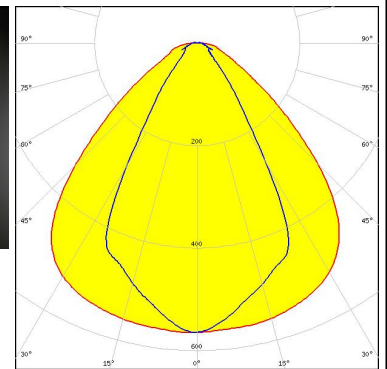
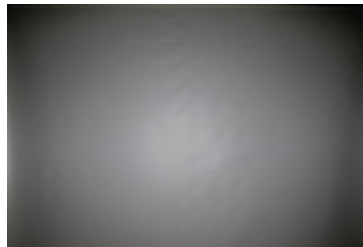
PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4
 FWHM / FWTM 95.0 + 59.0° / 141.0 + 88.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



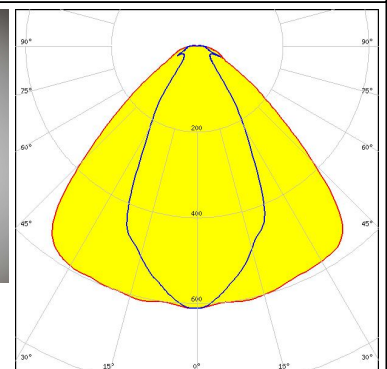
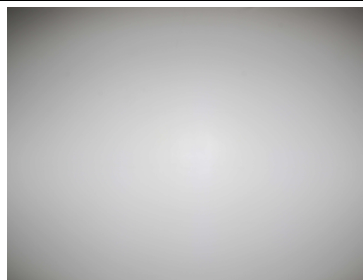
PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4
 FWHM / FWTM 95.0 + 59.0° / 139.0 + 89.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

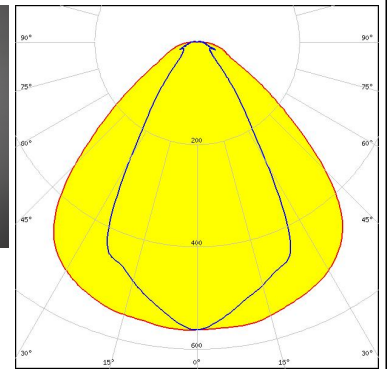
LED LM28xB Series
 FWHM / FWTM 95.0 + 53.0° / 136.0 + 106.0°
 Efficiency 84 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

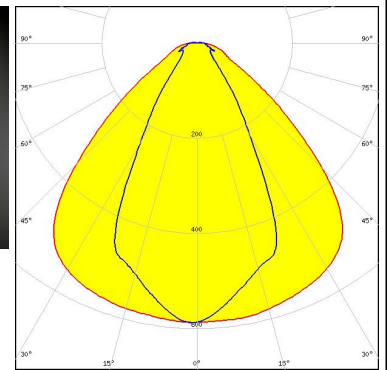
SAMSUNG

LED LM561B Plus
FWHM / FWTM 96.0 + 59.0° / 143.0 + 89.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



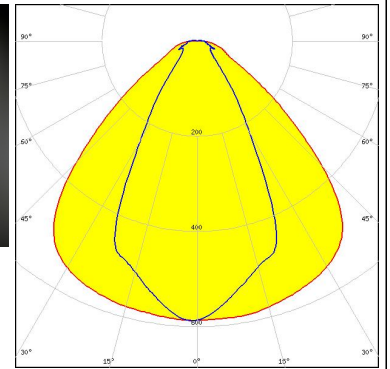
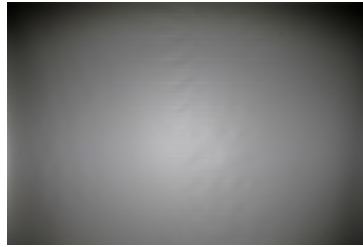
SAMSUNG

LED LT-H282C
FWHM / FWTM 96.0 + 55.0° / 141.0 + 87.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



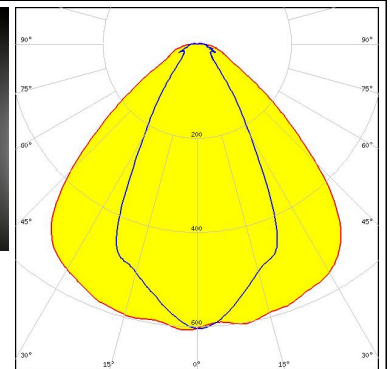
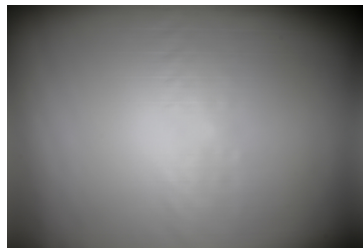
SAMSUNG

LED LT-H562C
FWHM / FWTM 96.0 + 55.0° / 141.0 + 87.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

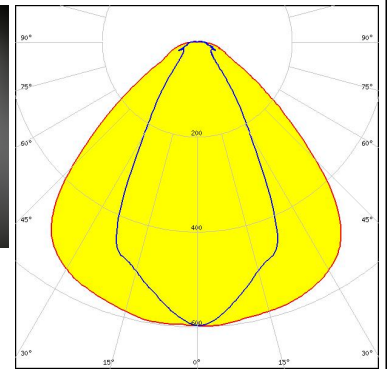
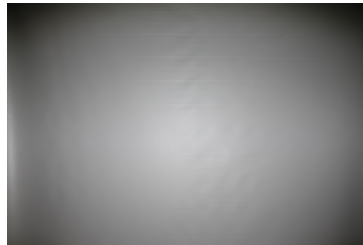
LED LT-Q282B
FWHM / FWTM 95.0 + 54.0° / 138.0 + 86.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

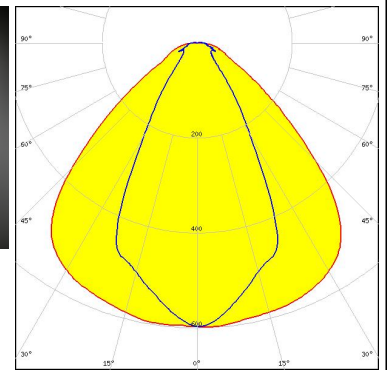
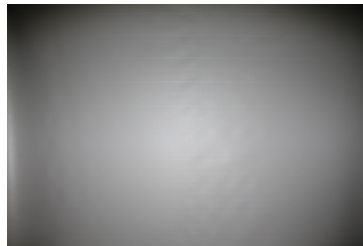
SAMSUNG

LED LT-S282H
 FWHM / FWTM 96.0 + 54.0° / 140.0 + 86.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



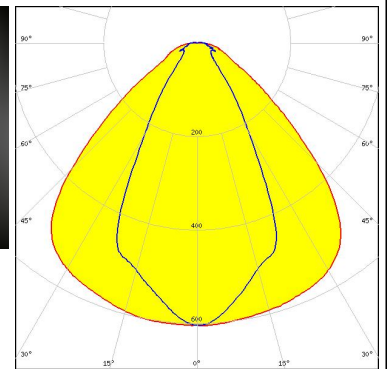
SAMSUNG

LED LT-S562H
 FWHM / FWTM 96.0 + 54.0° / 140.0 + 86.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



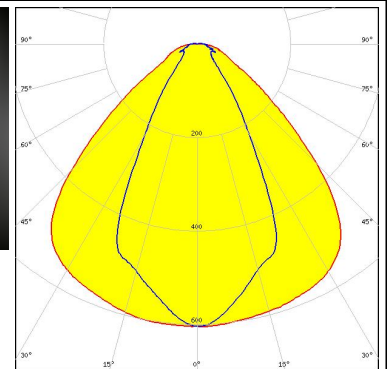
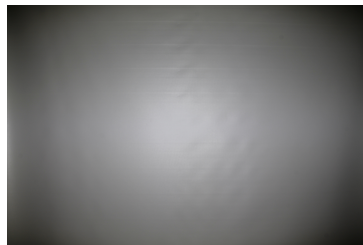
SAMSUNG

LED LT-V282E
 FWHM / FWTM 96.0 + 54.0° / 140.0 + 86.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


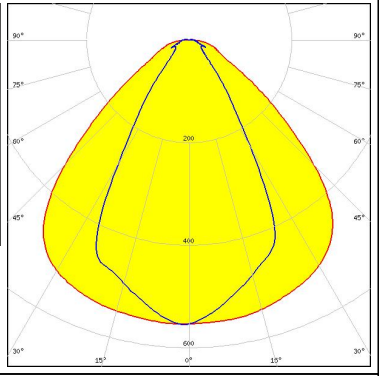

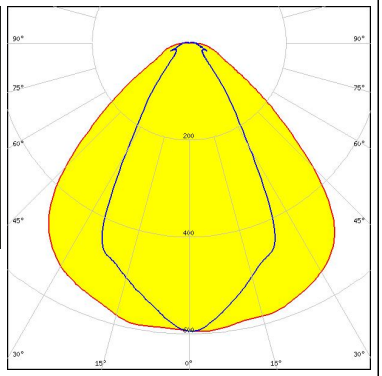

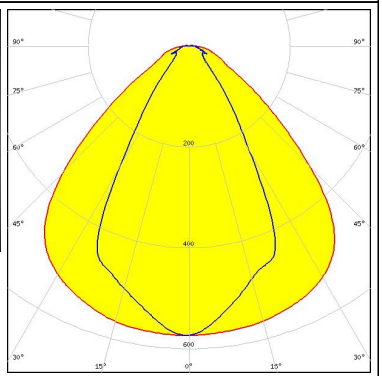

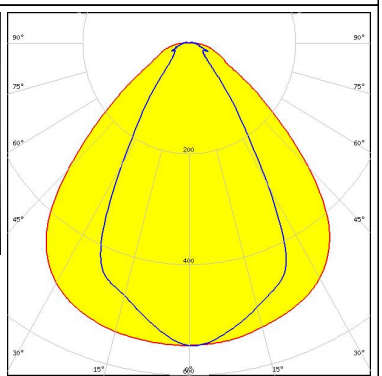


SAMSUNG

LED LT-V562E
 FWHM / FWTM 96.0 + 54.0° / 140.0 + 86.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



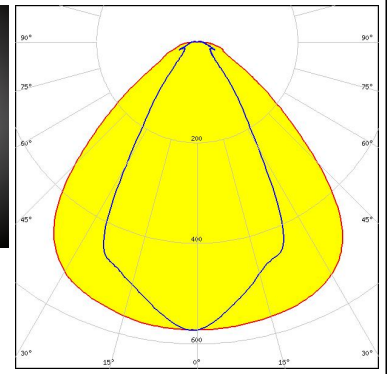
PHOTOMETRIC DATA (MEASURED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL 5630D FWHM / FWTM: 73.0° / 112.0° Efficiency: 84 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030 FWHM / FWTM: 96.0 + 57.0° / 139.0 + 88.0° Efficiency: 86 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>TRIDONIC</p> <p>LED: LLE G4 24x280mm 1250lm FWHM / FWTM: 96.0 + 58.0° / 141.0 + 88.0° Efficiency: 85 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>TRIDONIC</p> <p>LED: LLE G4 24x280mm 2000lm ADV FWHM / FWTM: 95.0 + 60.0° / 143.0 + 91.0° Efficiency: 85 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		

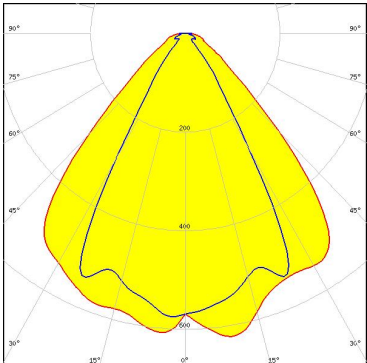
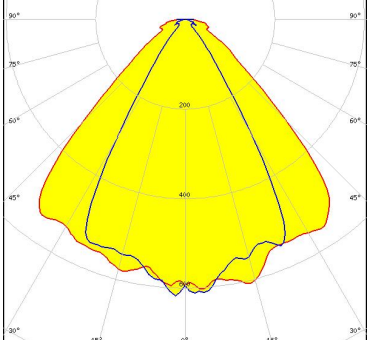
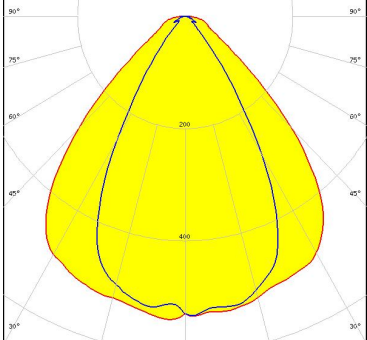
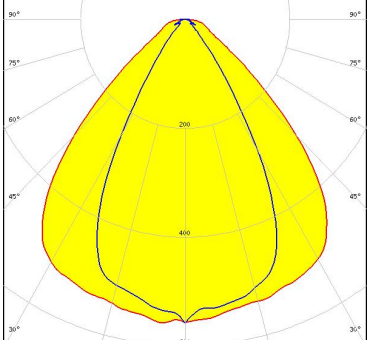
PHOTOMETRIC DATA (MEASURED):

TRIDONIC


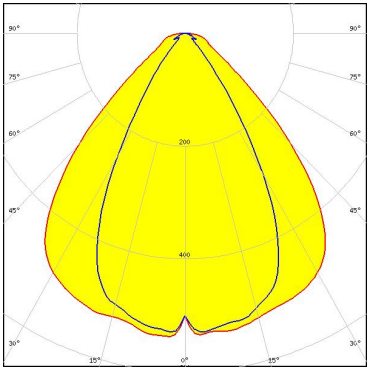

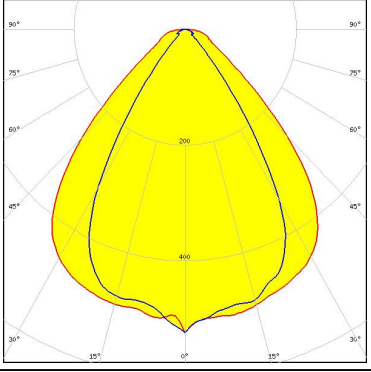

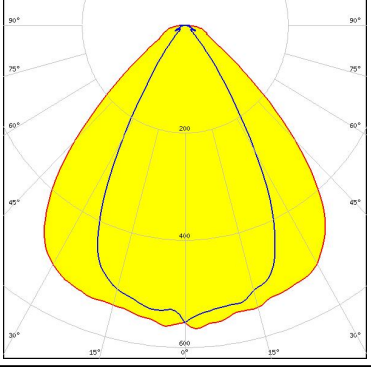

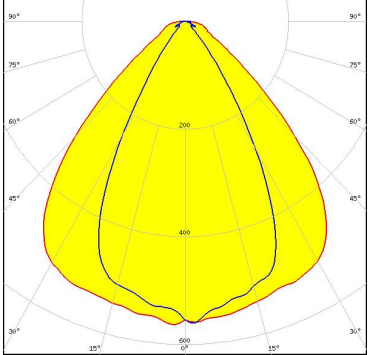
LED LLE G4 24x280mm 650lm
FWHM / FWTM 95.0 + 59.0° / 140.0 + 89.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:




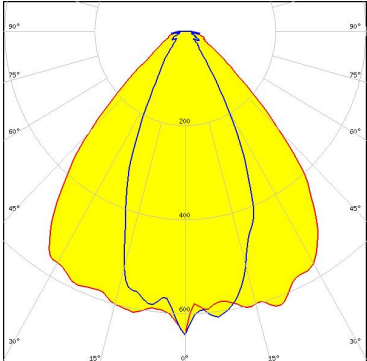

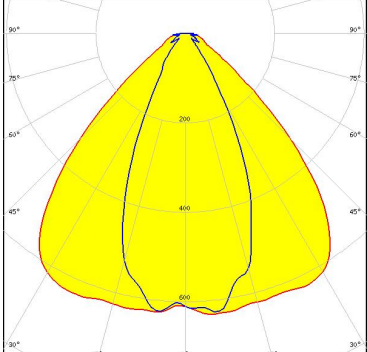
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM 89.0 + 60.0° / 125.0 + 80.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.6 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 3030C</p> <p>FWHM / FWTM 92.0 + 60.0° / 134.0 + 80.0°</p> <p>Efficiency 85 %</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 3528</p> <p>FWHM / FWTM 90.0 + 60.0° / 128.0 + 85.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 2</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL DC 3528</p> <p>FWHM / FWTM 92.0 + 59.0° / 128.0 + 82.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3528</p> <p>FWHM / FWTM: 90.0 + 60.0° / 128.0 + 85.0°</p> <p>Efficiency: 77 %</p> <p>Peak intensity: 0.5 cd/lm</p> <p>LEDs/each optic: 2</p> <p>Light colour: White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3528</p> <p>FWHM / FWTM: 90.0 + 65.0° / 131.0 + 87.0°</p> <p>Efficiency: 78 %</p> <p>Peak intensity: 0.5 cd/lm</p> <p>LEDs/each optic: 2</p> <p>Light colour: White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3528</p> <p>FWHM / FWTM: 92.0 + 59.0° / 128.0 + 82.0°</p> <p>Efficiency: 78 %</p> <p>Peak intensity: 0.6 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 3528</p> <p>FWHM / FWTM: 92.0 + 59.0° / 127.0 + 82.0°</p> <p>Efficiency: 77 %</p> <p>Peak intensity: 0.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3528</p> <p>FWHM / FWTM: 88.0 + 48.0° / 122.0 + 76.0°</p> <p>Efficiency: 76 %</p> <p>Peak intensity: 0.6 cd/lm</p> <p>LEDs/each optic: 2</p> <p>Light colour: White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3528</p> <p>FWHM / FWTM: 91.0 + 48.0° / 122.0 + 77.0°</p> <p>Efficiency: 76 %</p> <p>Peak intensity: 0.6 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:

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