

## LINNEA-90-B

~90° + 90° wide beam optimized for 0.5 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 ⓘ

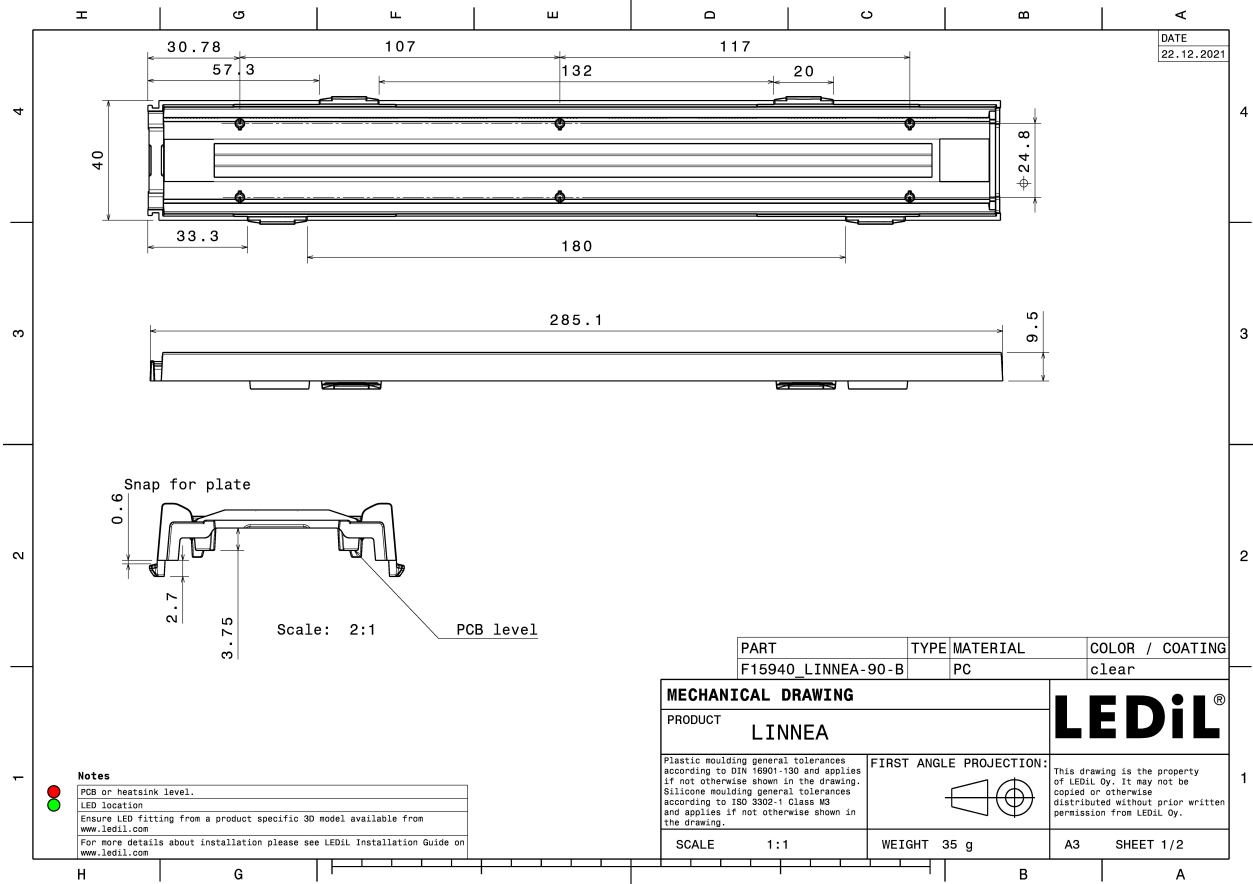
### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:


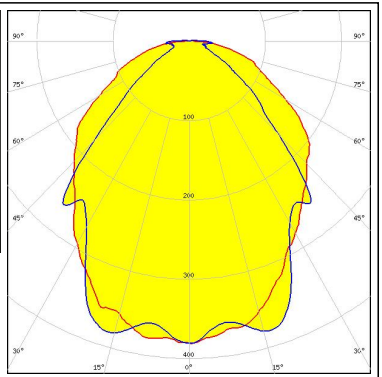
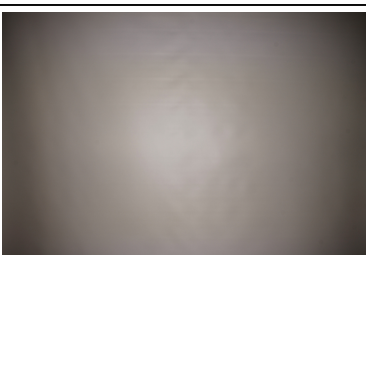
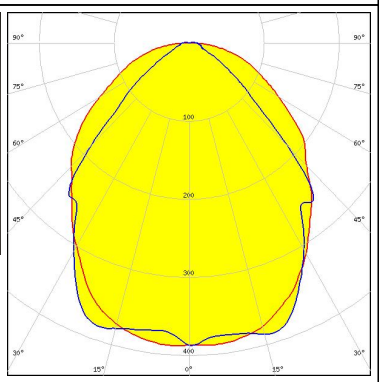

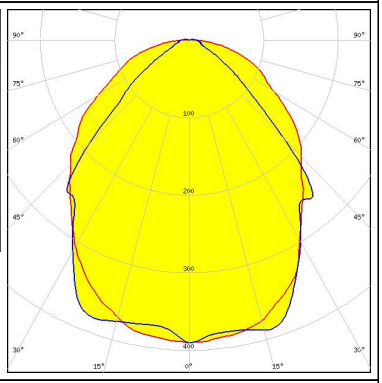

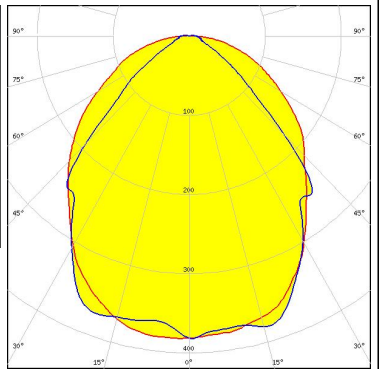
Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15940_LINNEA-90-B » Box size: 398 x 298 x 265 mm	162	36	36	6.7




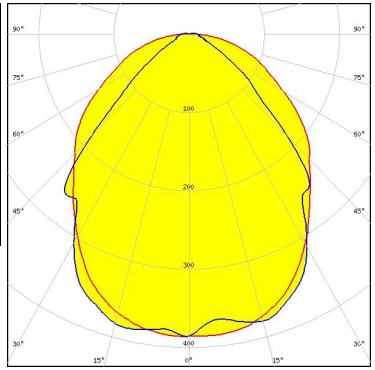

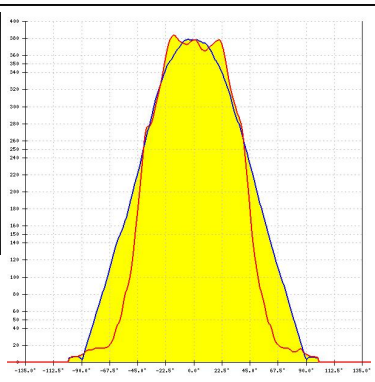

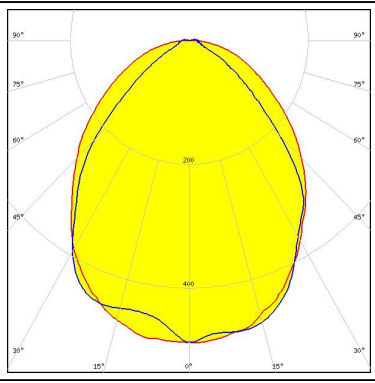

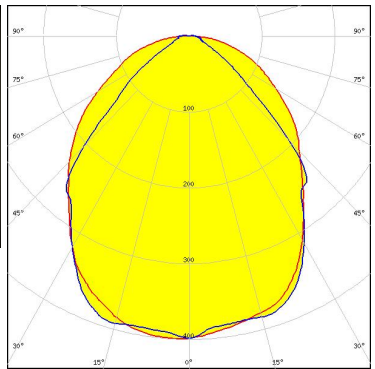


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


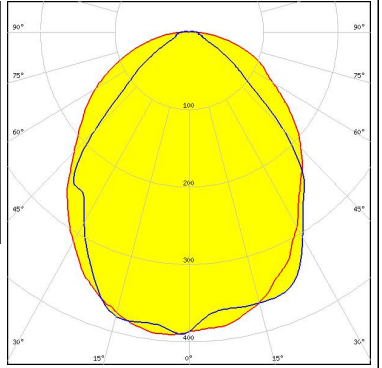

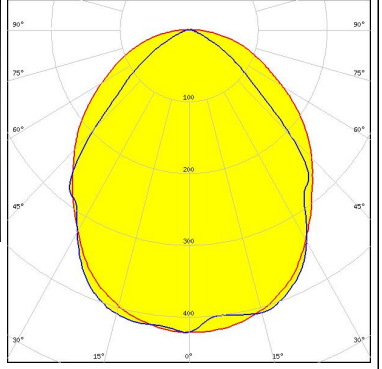
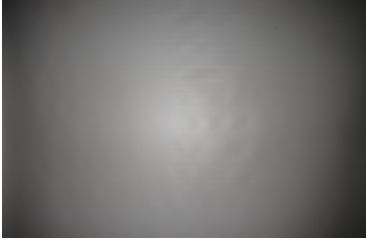
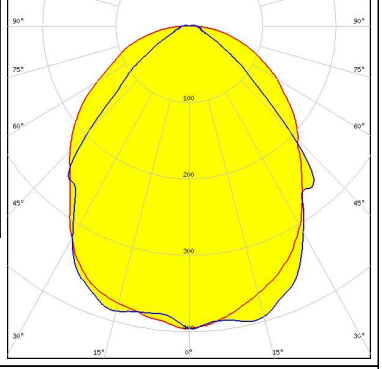
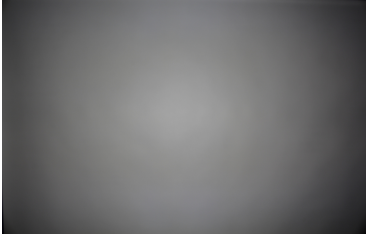
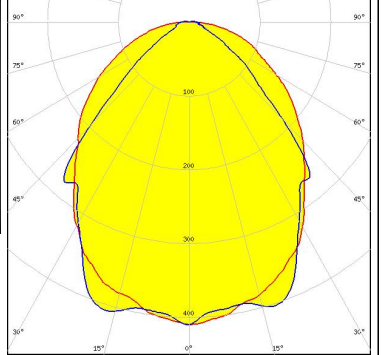
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>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:</p>		
<p><b>Helvar</b></p> <p>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:</p>		
<p><b>Helvar</b></p> <p>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:</p>		
<p><b>Helvar</b></p> <p>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:</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p><b>Helvar</b></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><b>MST</b> <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><b>NICHIA</b></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><b>NICHIA</b></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>		

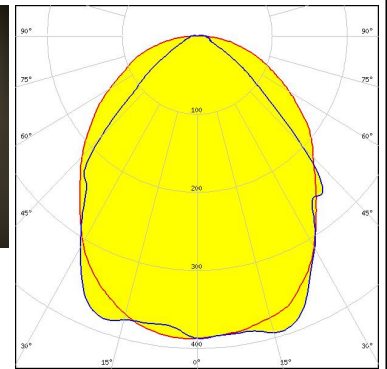
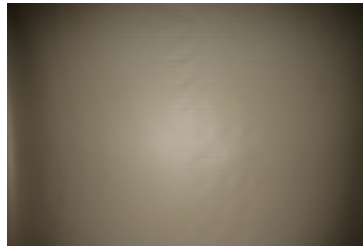
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></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><b>OSRAM</b></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><b>OSRAM</b> 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><b>OSRAM</b> 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>		

#### PHOTOMETRIC DATA (MEASURED):

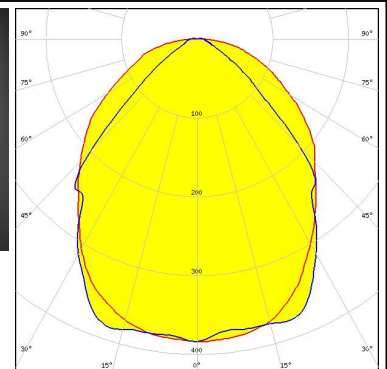
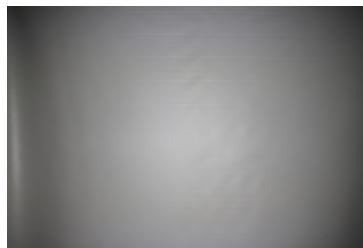
### PHILIPS

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:



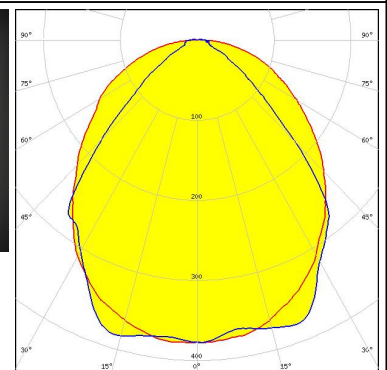
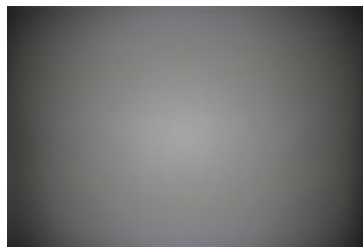
### PHILIPS

LED Fortimo LED Strip 1ft 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:



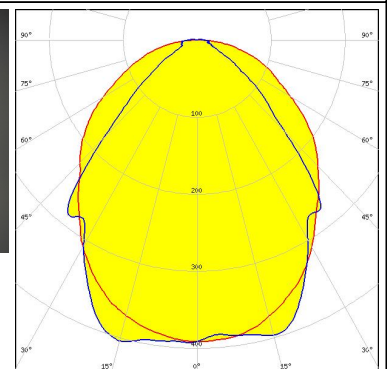
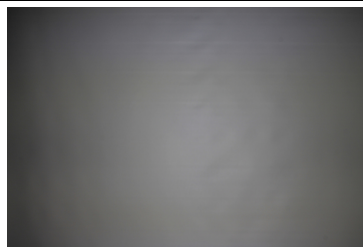
### SAMSUNG

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

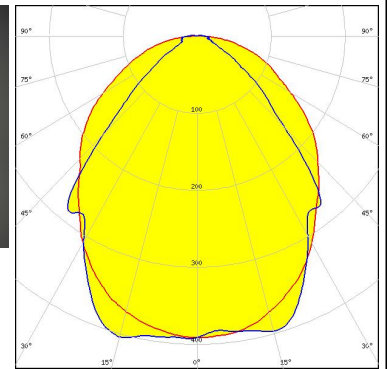
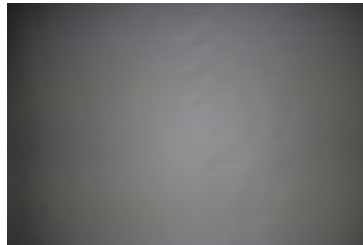
LED LT-H282C  
 FWHM / FWTM 103.0 + 87.0° / 164.0 + 125.0°  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

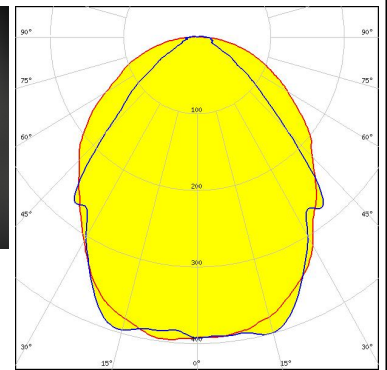
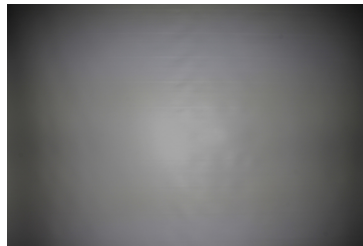
### SAMSUNG

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:



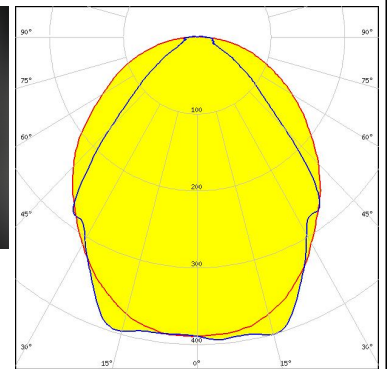
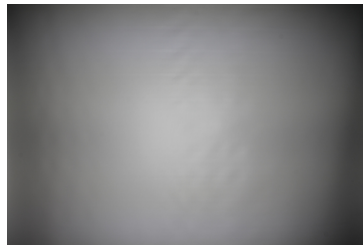
### SAMSUNG

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:



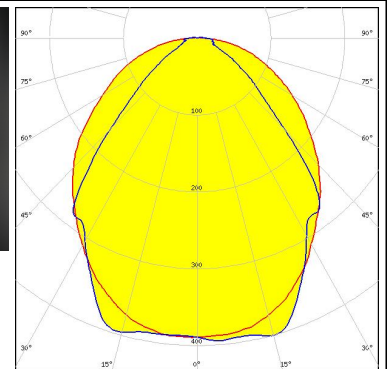
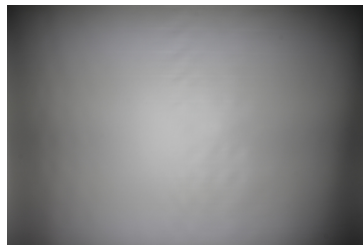
### SAMSUNG

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

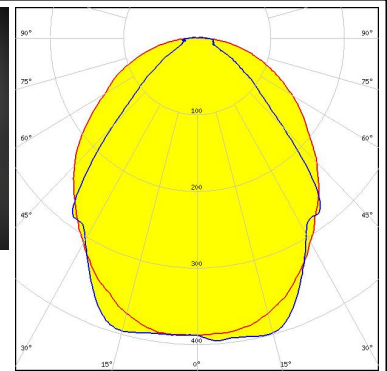
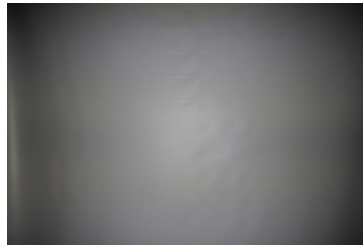
LED LT-S562H  
 FWHM / FWTM 104.0 + 86.0° / 165.0 + 125.0°  
 Efficiency 85 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

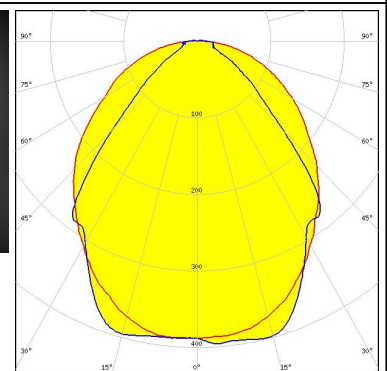
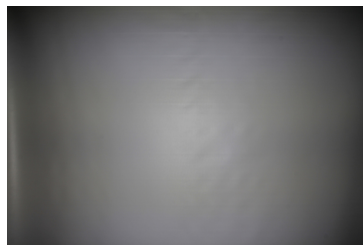
### SAMSUNG

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:

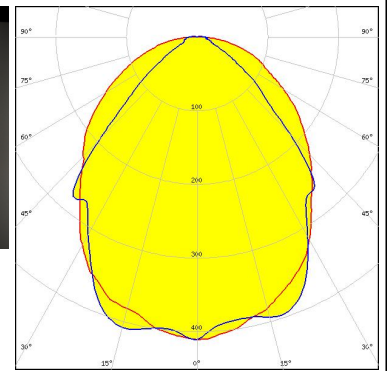


### SAMSUNG

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:

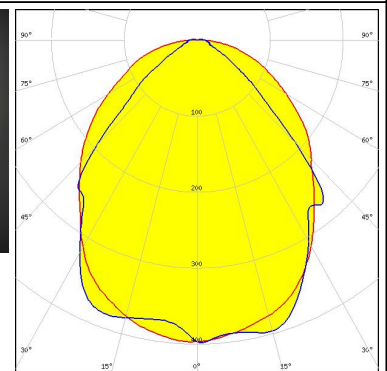
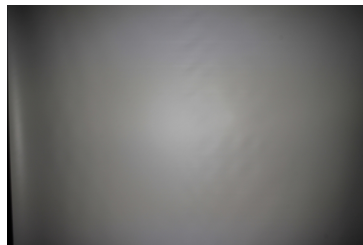


LED SEOUL DC 3030  
 FWHM / FWTM 99.0 + 88.0° / 163.0 + 125.0°  
 Efficiency 85 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### TRIDONIC

LED LLE G4 24x280mm 1250lm  
 FWHM / FWTM 100.0 + 89.0° / 163.0 + 125.0°  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

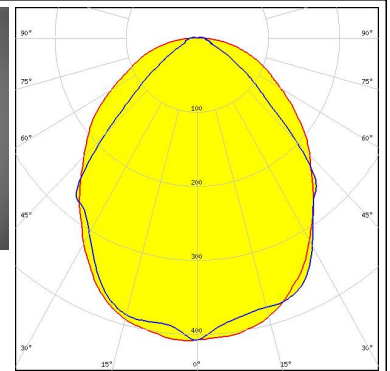
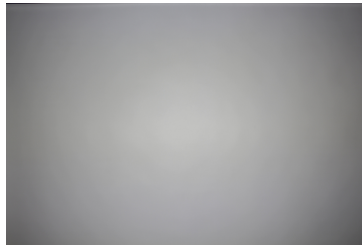




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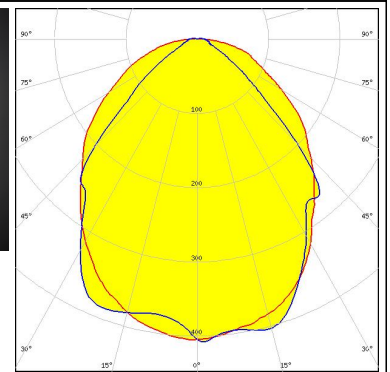
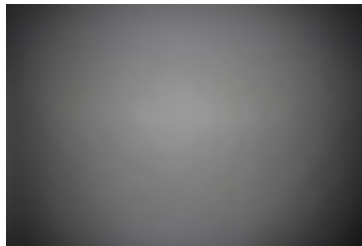
#### TRIDONIC

LED LLE G4 24x280mm 2000lm ADV  
FWHM / FWTM 98.0 + 88.0° / 162.0 + 124.0°  
Efficiency 83 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### TRIDONIC

LED LLE G4 24x280mm 650lm  
FWHM / FWTM 99.0 + 89.0° / 163.0 + 125.0°  
Efficiency 84 %  
Peak intensity 0.4 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:

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[F14487\\_FLORENCE-1R-MAXI-WG](#) [12667](#) [C14165\\_STRADA-2X2-ME-WIDE2](#) [C14605\\_HB-2X2-RW](#) [C14642\\_FLORENCE-1R-UP](#)  
[CAY033](#) [CAY046/55](#) [FCX11157\\_RES-O-90](#) [OS-LRI2015X45S](#) [OSOLRA2015M](#) [PG1C-NX36](#) [PG1C-SX17](#) [PM2A-SXV1](#) [PM2B-NX55-](#)  
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