

## FLORENCE-1R-Z60

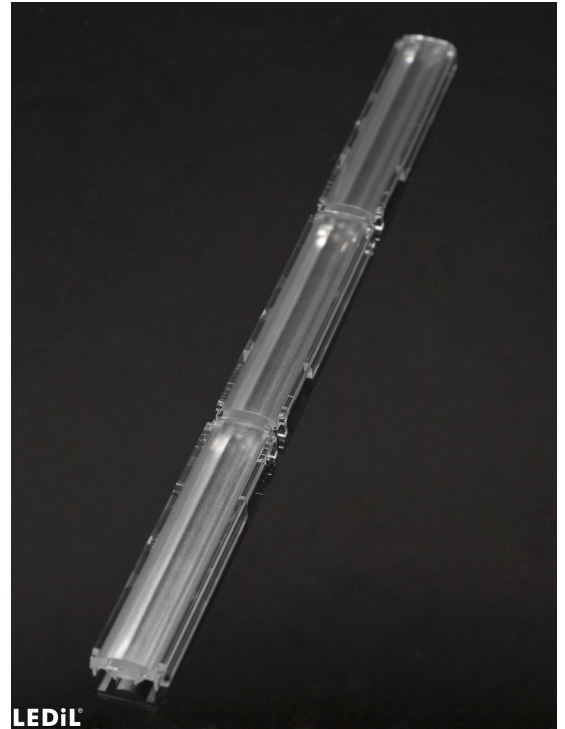
~60° + 110° medium beam

### SPECIFICATION:

Dimensions	19.5 x 286.0 mm
Height	7.6 mm
Fastening	clips
ROHS compliant	yes ⓘ

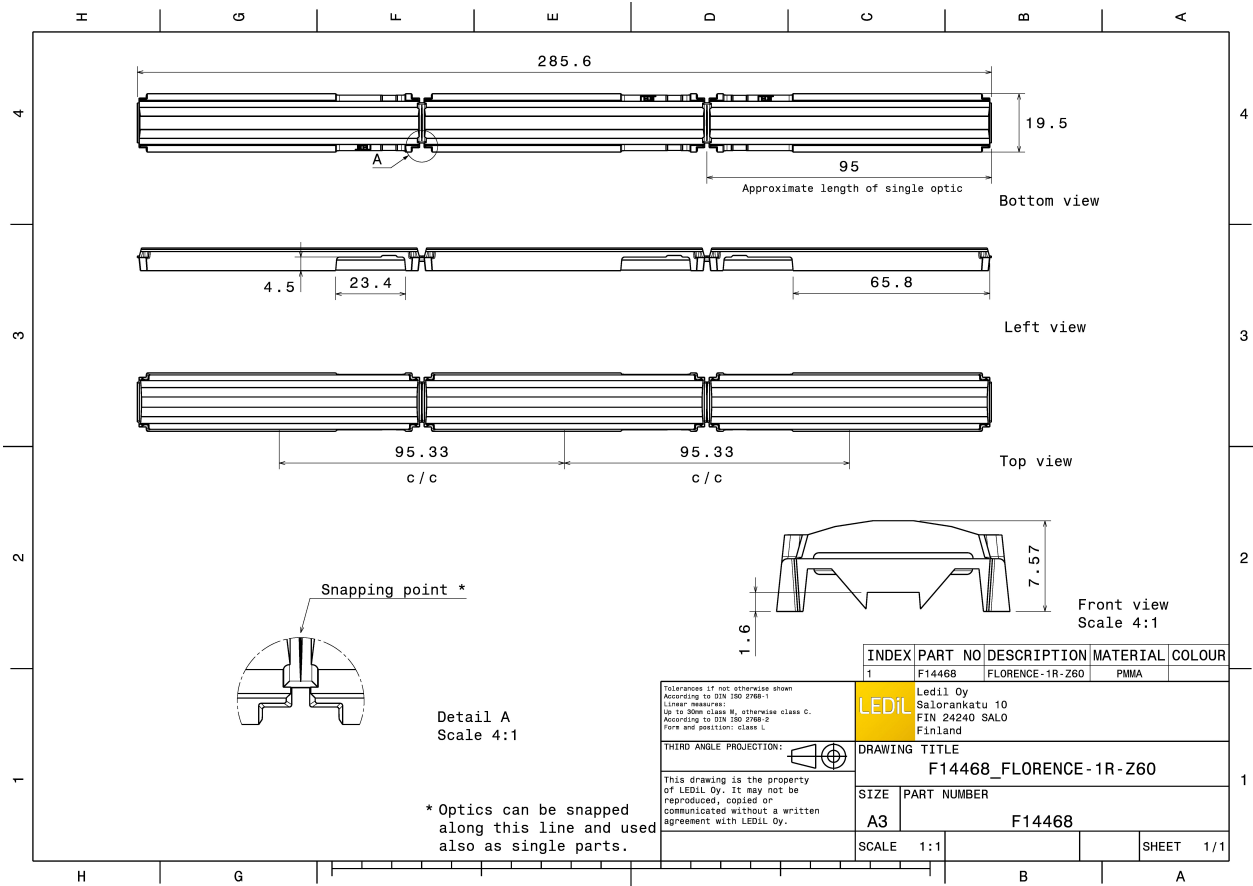
### MATERIALS:

Component	Type	Material	Colour	Finish
FLORENCE-1R-Z60	Linear lens	PMMA	clear	



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14468_FLORENCE-1R-Z60 » Box size: 398 x 298 x 265 mm	165	45	15	7.1

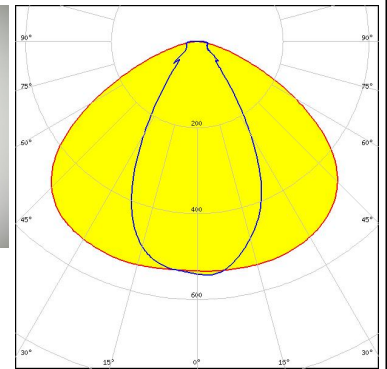


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

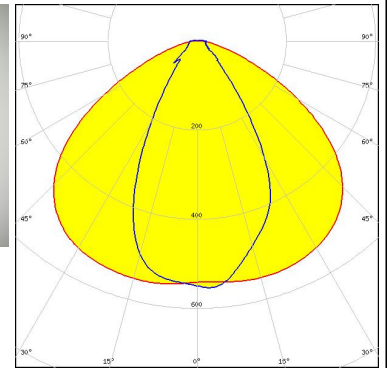
#### OPTICAL RESULTS (MEASURED):



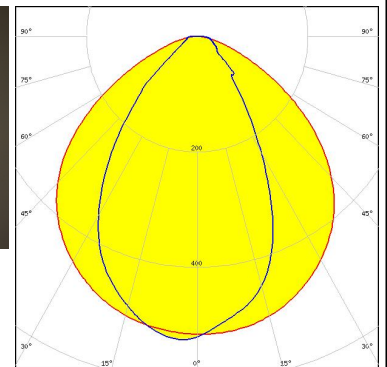
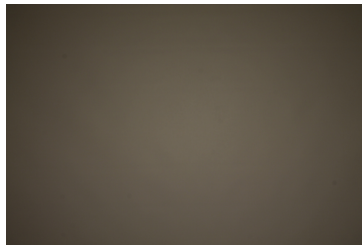
LED CALGD0414-M8W1  
 FWHM / FWTM 58.0 + 121.0° / 99.0 + 153.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



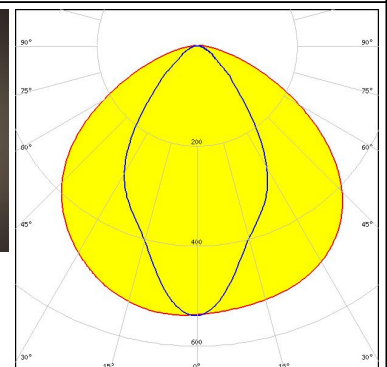
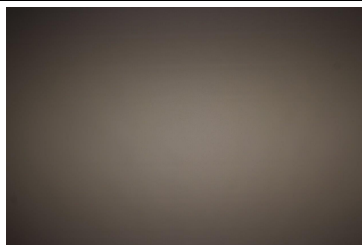
LED CALGD0814-M17W1  
 FWHM / FWTM 57.0 + 118.0° / 99.0 + 152.0°  
 Efficiency 92 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




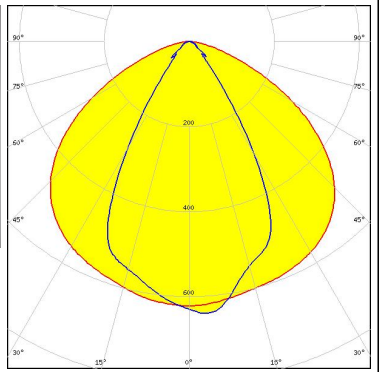
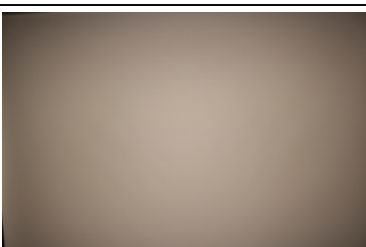
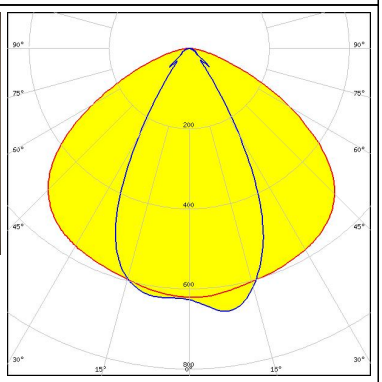
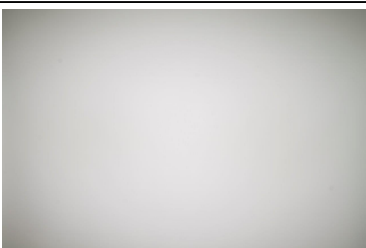
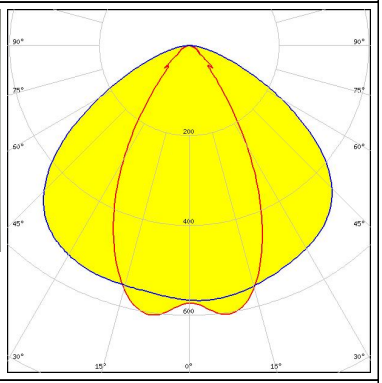
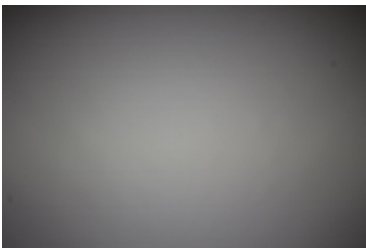
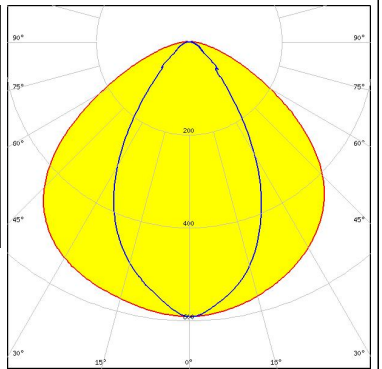
LED L0-280024-xxx-C0800-L267  
 FWHM / FWTM 65.0 + 107.0° / 107.0 + 148.0°  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XH-B/G  
 FWHM / FWTM 63.0 + 113.0° / 105.0 + 155.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

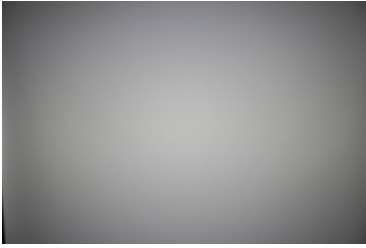
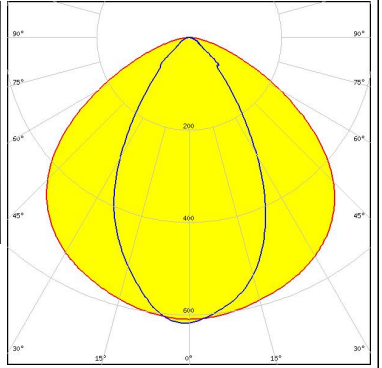
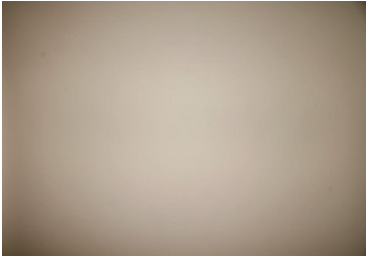
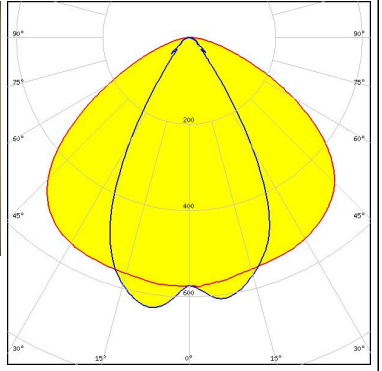
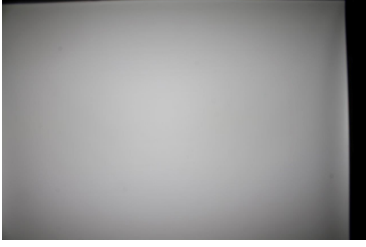
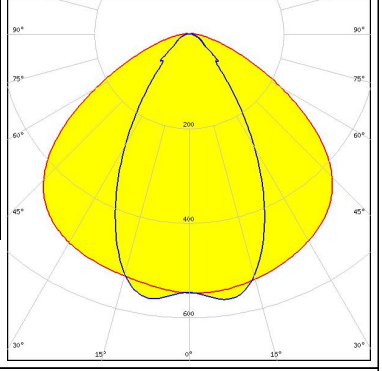

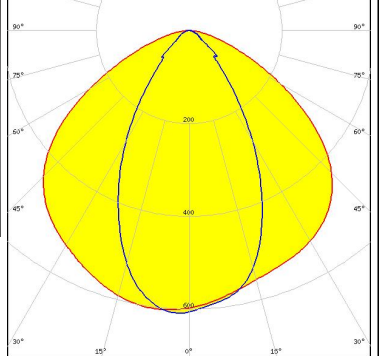


#### OPTICAL RESULTS (MEASURED):


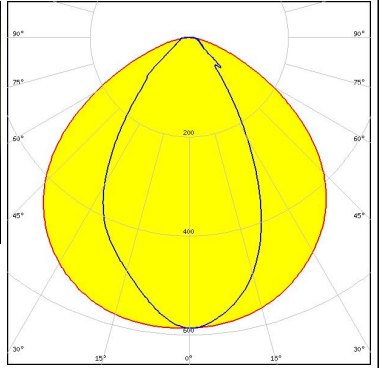
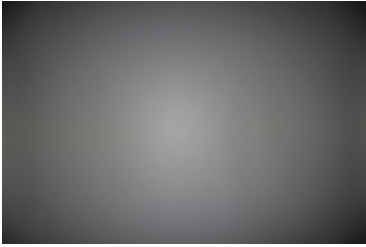
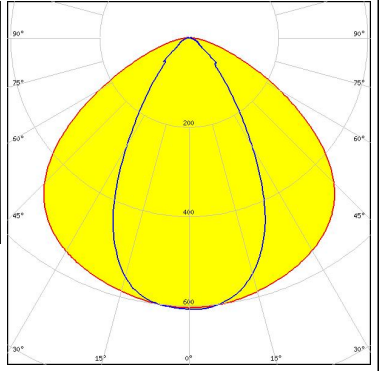

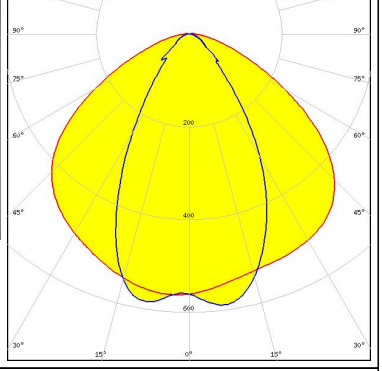
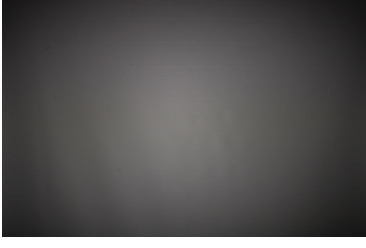
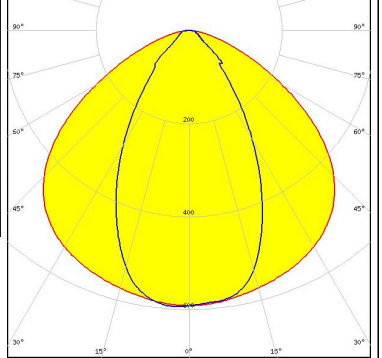
<p><b>LUMILEDS</b></p> <p>LED LUXEON 3014</p> <p>FWHM / FWTM 59.0 + 115.0° / 82.0 + 151.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 3020</p> <p>FWHM / FWTM 55.0 + 117.0° / 96.0 + 151.0°</p> <p>Efficiency 94 %</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><b>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM 57.0 + 114.0° / 97.0 + 150.0°</p> <p>Efficiency 94 %</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><b>LUMILEDS</b></p> <p>LED LUXEON 3535 2D</p> <p>FWHM / FWTM 60.0 + 109.0° / 100.0 + 150.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		



#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 3535L</p> <p>FWHM / FWTM 59.0 + 110.0° / 99.0 + 149.0°</p> <p>Efficiency 94 %</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><b>LUMINUS</b></p> <p>LED MP-2016</p> <p>FWHM / FWTM 58.0 + 115.0° / 82.0 + 157.0°</p> <p>Efficiency 94 %</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><b>NICHIA</b></p> <p>LED NF2x757D</p> <p>FWHM / FWTM 59.0 + 114.0° / 101.0 + 152.0°</p> <p>Efficiency 94 %</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><b>NICHIA</b></p> <p>LED NF2x757G</p> <p>FWHM / FWTM 56.0 + 111.0° / 98.0 + 150.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

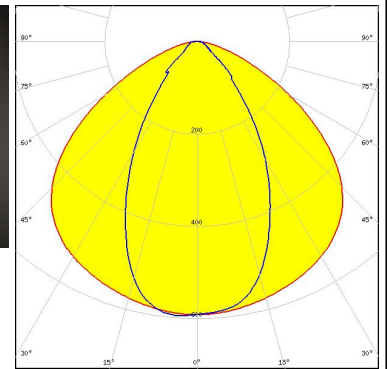
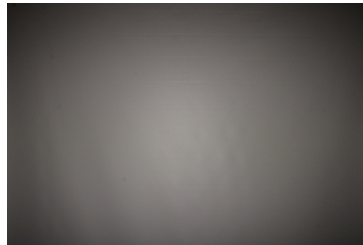
#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NFSW757H            FWHM / FWTM 107.0 + 60.0° / 148.0 + 104.0°            Efficiency 94 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14353_FLORENCE-1R-CLIP-A</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris E5            FWHM / FWTM 112.0 + 58.0° / 149.0 + 99.0°            Efficiency 94 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip)            FWHM / FWTM 58.0 + 114.0° / 100.0 + 154.0°            Efficiency 94 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo LED Line 1ft HF 1R HV5            FWHM / FWTM 112.0 + 58.0° / 151.0 + 101.0°            Efficiency 97 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14353_FLORENCE-1R-CLIP-A</p>		

#### OPTICAL RESULTS (MEASURED):

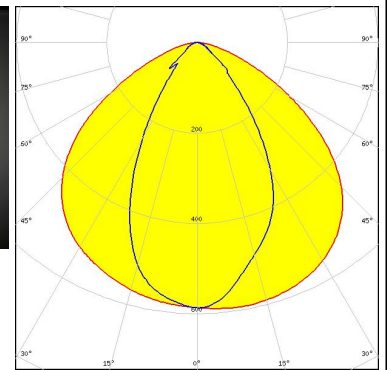
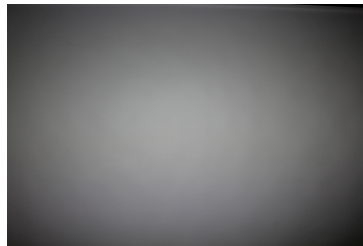
### PHILIPS

LED Fortimo LED Line 1ft MF 1R HV5 & LV5  
 FWHM / FWTM 112.0 + 59.0° / 151.0 + 100.0°  
 Efficiency 97 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



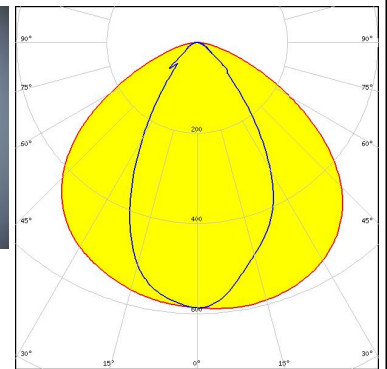
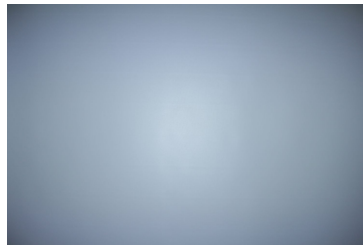
### SAMSUNG

LED LM28xB Series  
 FWHM / FWTM 111.0 + 59.0° / 150.0 + 101.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14409\_FLORENCE-1R-CLIP-B



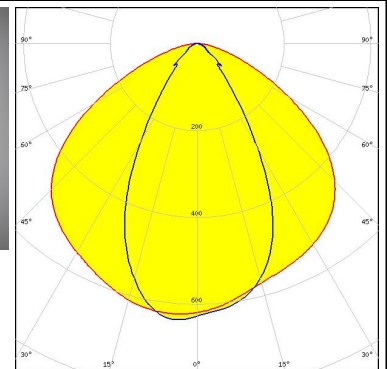
### SAMSUNG

LED LM28xB Series  
 FWHM / FWTM 57.0 + 113.0° / 98.0 + 150.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

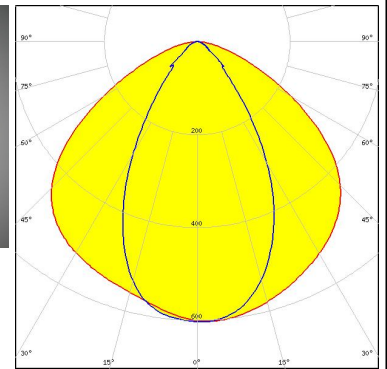
LED LM301A  
 FWHM / FWTM 56.0 + 113.0° / 98.0 + 151.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

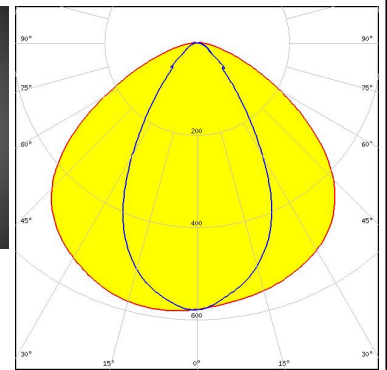
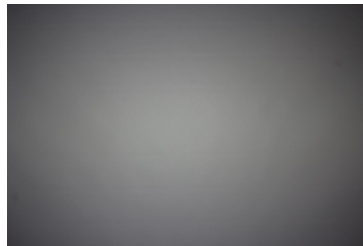
### SAMSUNG

LED LM302A  
 FWHM / FWTM 59.0 + 111.0° / 99.0 + 151.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



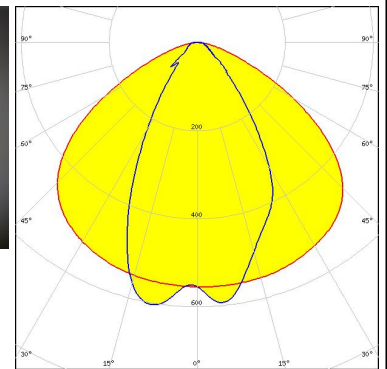
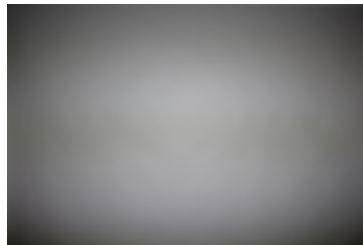
### SAMSUNG

LED LM561B  
 FWHM / FWTM 59.0 + 111.0° / 100.0 + 151.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



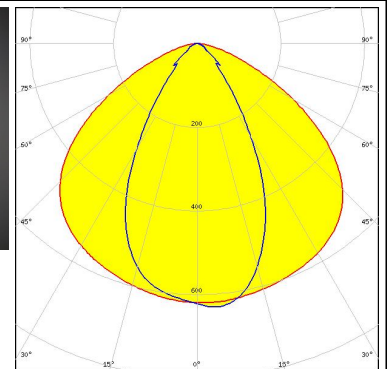
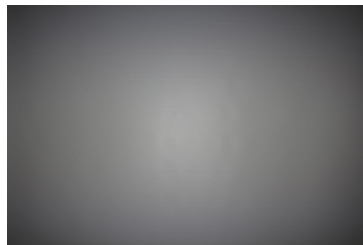
### SAMSUNG

LED LM561B Plus  
 FWHM / FWTM 117.0 + 58.0° / 151.0 + 100.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



### SAMSUNG

LED LM561C  
 FWHM / FWTM 56.0 + 113.0° / 98.0 + 149.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

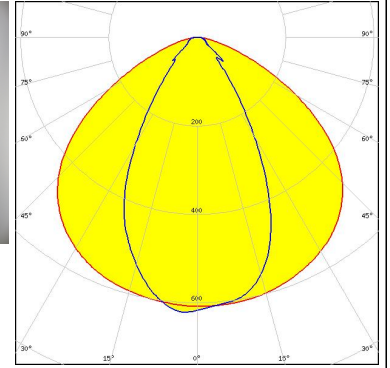




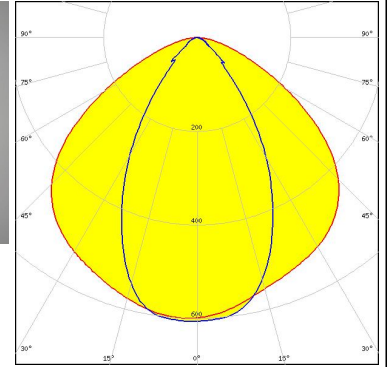
#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

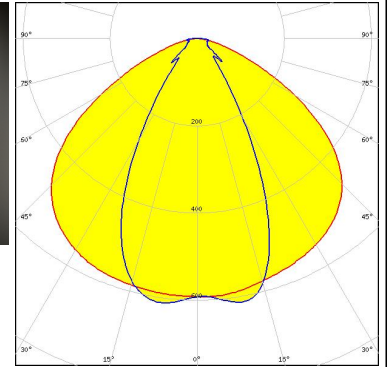
LED LT-S282N  
 FWHM / FWTM 56.0 + 112.0° / 99.0 + 149.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED SEOUL 3030  
 FWHM / FWTM 59.0 + 111.0° / 98.0 + 150.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED SEOUL DC 3030  
 FWHM / FWTM 115.0 + 55.0° / 150.0 + 98.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14353\_FLORENCE-1R-CLIP-A



#### OPTICAL RESULTS (SIMULATED):

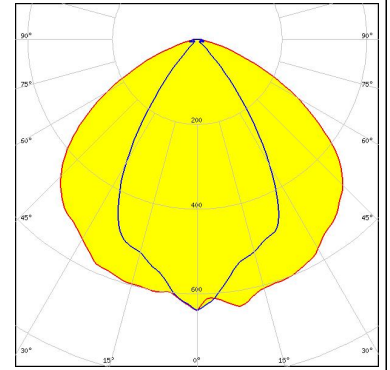
<p><b>LUMILEDS</b></p> <p>LED LUXEON 2835 Line</p> <p>FWHM / FWTM 59.0 + 107.0° / 86.0 + 146.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 61.0 + 107.0° / 103.0 + 146.0°</p> <p>Efficiency 94 %</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><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris E 2835</p> <p>FWHM / FWTM 61.0 + 107.0° / 95.0 + 147.0°</p> <p>Efficiency 94 %</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><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris E5</p> <p>FWHM / FWTM 108.0 + 58.0° / 144.0 + 88.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14593_FLORENCE-1R-SHD-BLK</p>	



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 2424  
FWHM / FWTM 112.0 + 61.0° / 146.0 + 83.0°  
Efficiency 96 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SEOUL**  
SEMICONDUCTOR

LED SEOUL DC 3030C  
FWHM / FWTM 107.0 + 62.0° / 147.0 + 94.0°  
Efficiency 95 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

