

FLORENCE-1R-Z90

~90° + 110° wide beam

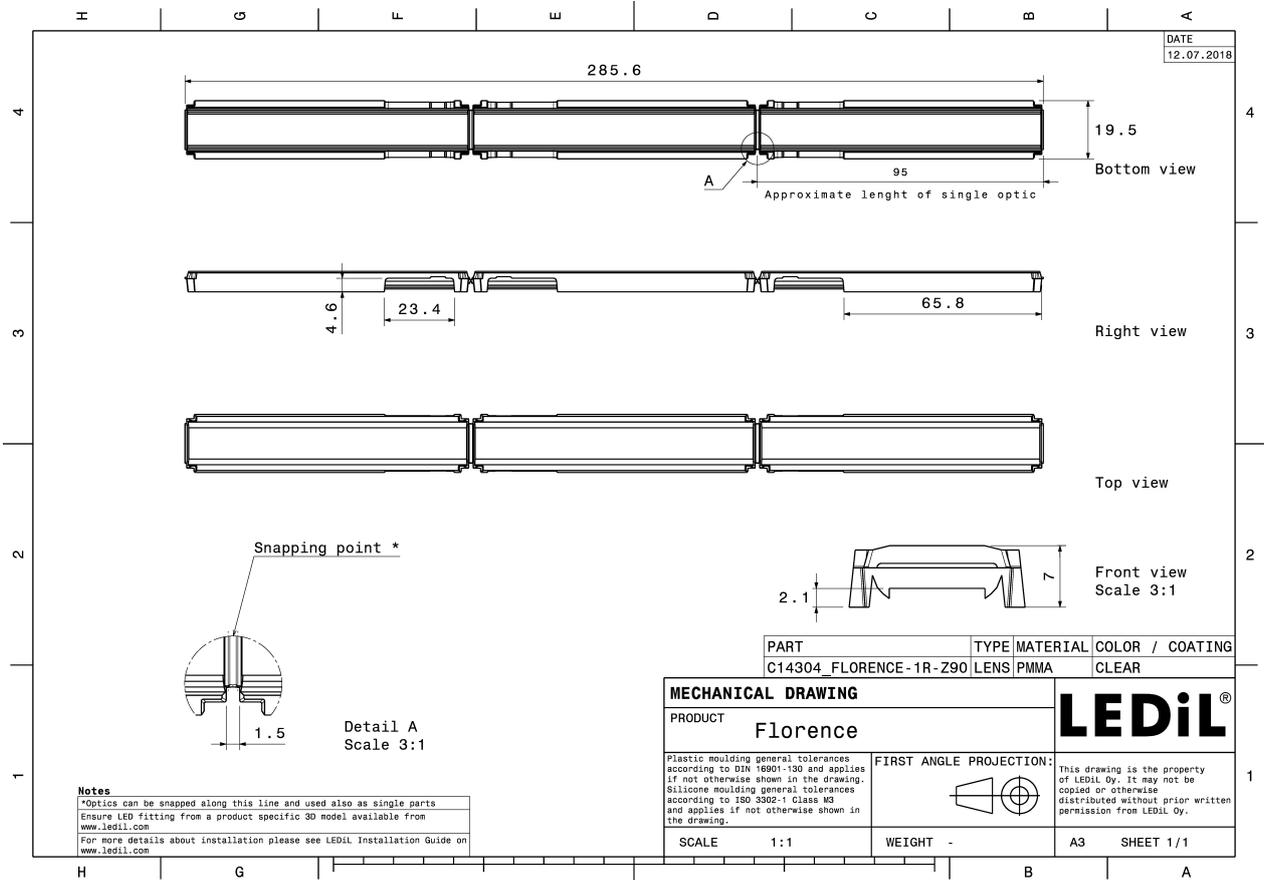
TECHNICAL SPECIFICATIONS:

Dimensions	19.5 x 286.0 mm
Height	7 mm
Fastening	clips
Colour	clear
Box size	398 x 298 x 265 mm
Box weight	7.5 kg
Quantity in Box	165 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

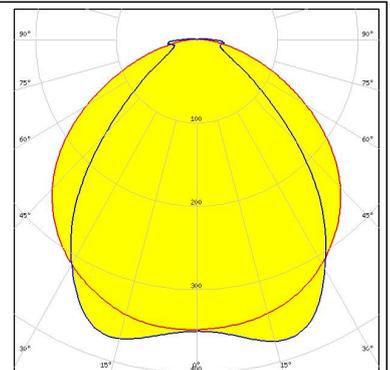
Component	Type	Material	Colour
FLORENCE-1R-Z90	Linear lens	PMMA	clear



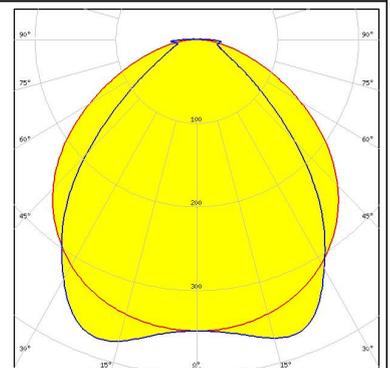
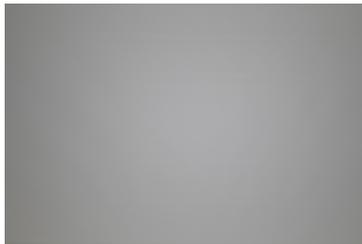
PHOTOMETRIC DATA (MEASURED):



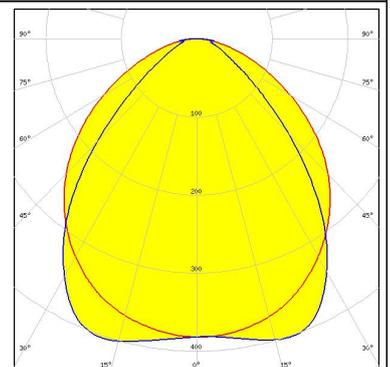
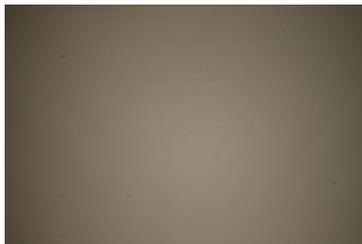
LED CALGD0414-M8W1
 FWHM 89.0 + 115.0°
 Efficiency 93 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



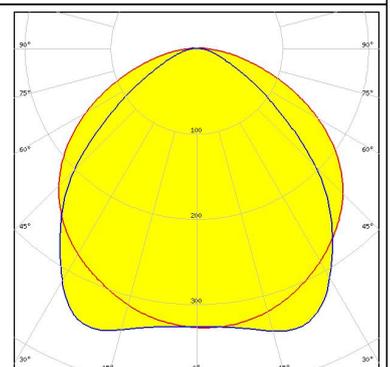
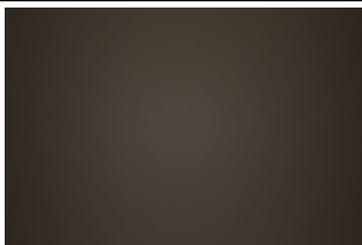
LED CALGD0814-M17W1
 FWHM 90.0 + 114.0°
 Efficiency 93 %
 Peak intensity 0.380 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED L0-280024-xxx-C0800-L267
 FWHM 88.0 + 106.0°
 Efficiency 92 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



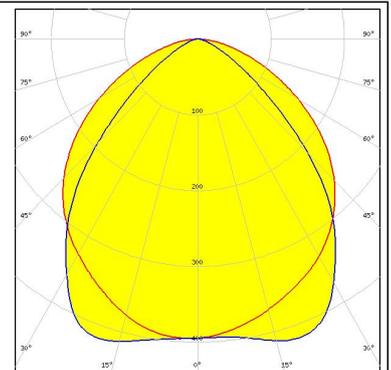
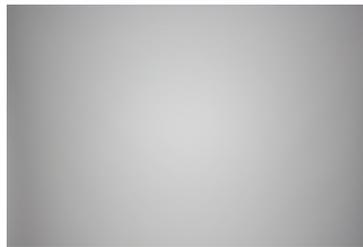
LED XH-B/G
 FWHM 97.0 + 117.0°
 Efficiency 90 %
 Peak intensity 0.350 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

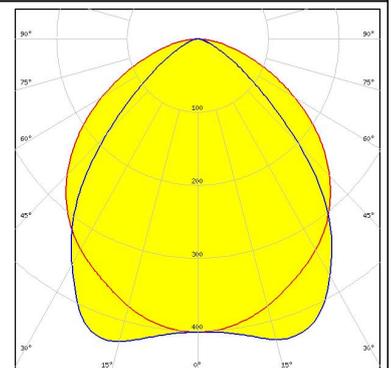
LUMILEDS

LED LUXEON 3014
 FWHM 91.0 + 109.0°
 Efficiency 94 %
 Peak intensity 0.420 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



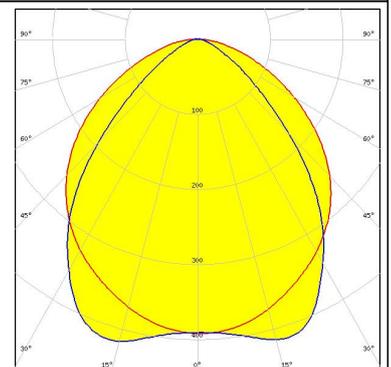
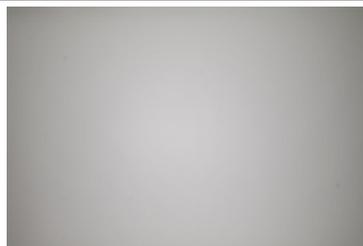
LUMILEDS

LED LUXEON 3020
 FWHM 89.0 + 108.0°
 Efficiency 94 %
 Peak intensity 0.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



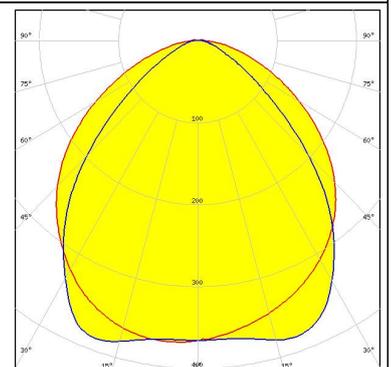
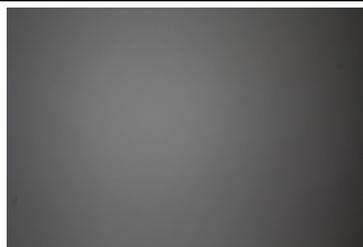
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM 88.0 + 108.0°
 Efficiency 92 %
 Peak intensity 0.420 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

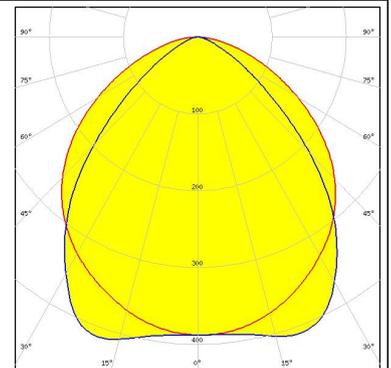
LED LUXEON 3535 2D
 FWHM 92.0 + 110.0°
 Efficiency 93 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

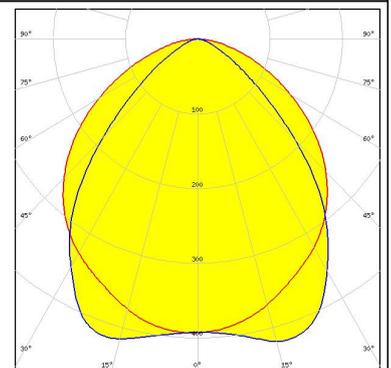
LUMILEDS

LED LUXEON 3535L
 FWHM 92.0 + 109.0°
 Efficiency 94 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



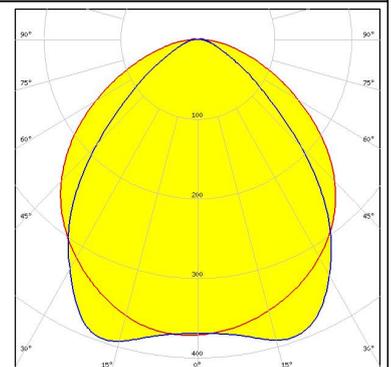
LUMINUS

LED MP-2016
 FWHM 89.0 + 108.0°
 Efficiency 93 %
 Peak intensity 0.420 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



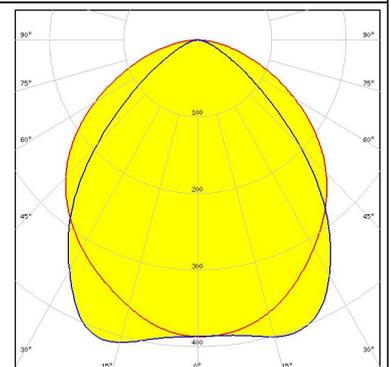
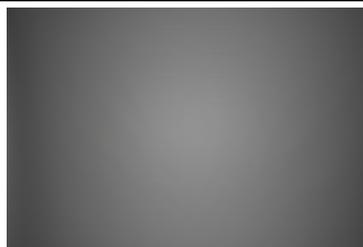
NICHIA

LED NF2x757D
 FWHM 90.0 + 110.0°
 Efficiency 93 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

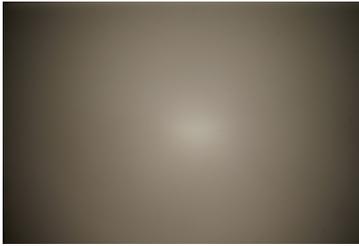
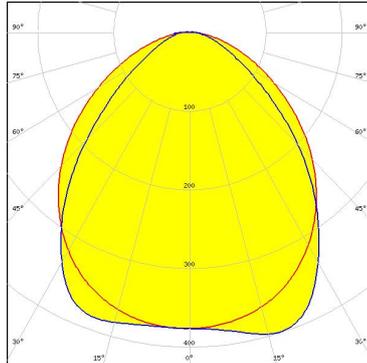
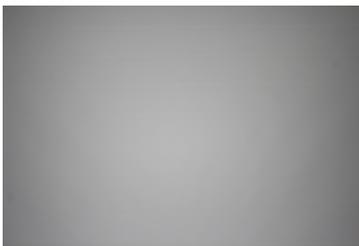
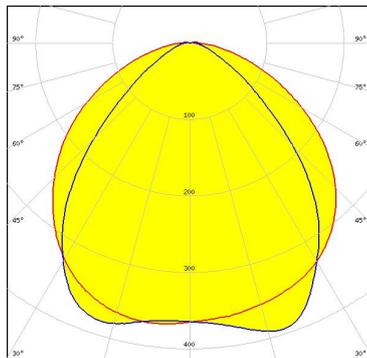
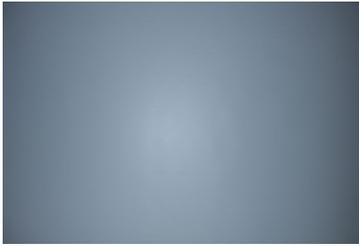
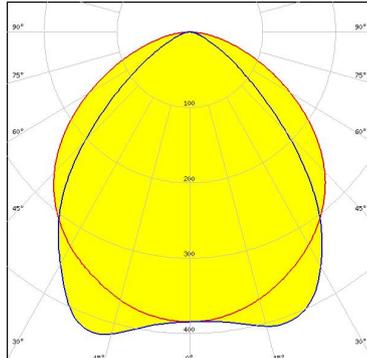
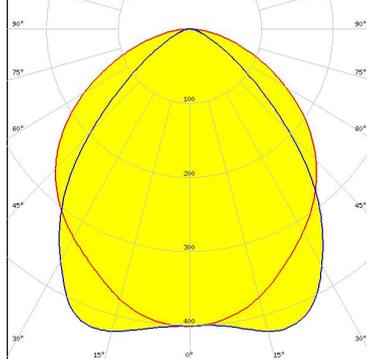


NICHIA

LED NF2x757G
 FWHM 90.0 + 108.0°
 Efficiency 92 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



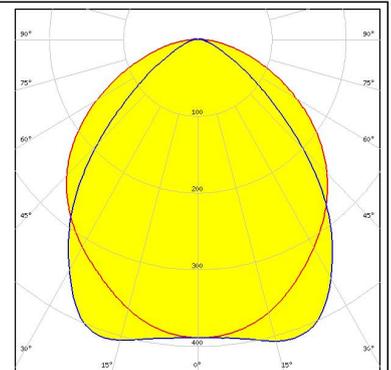
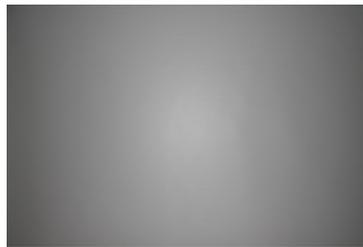
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NFSW757H FWHM 104.0 + 89.0° Efficiency 94 % Peak intensity 0.399 cd/lm LEDs/each optic 1 Light colour White Required components: C14353_FLORENCE-1R-CLIP-A</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip) FWHM 90.0 + 113.0° Efficiency 94 % Peak intensity 0.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LM28xB Series FWHM 91.0 + 111.0° Efficiency 94 % Peak intensity 0.420 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LM301A FWHM 89.0 + 109.0° Efficiency 94 % Peak intensity 0.430 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

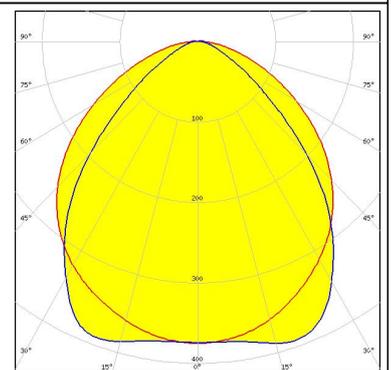
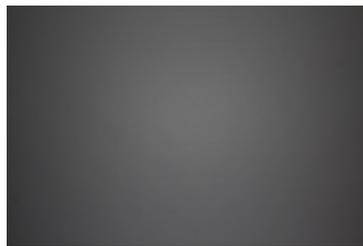
SAMSUNG

LED LM302A
FWHM 90.0 + 108.0°
Efficiency 93 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



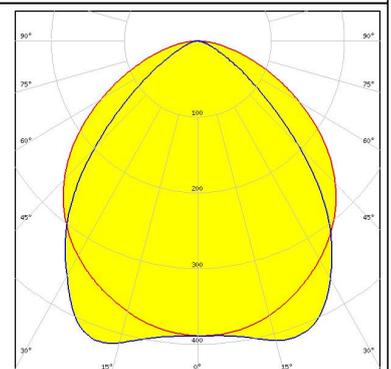
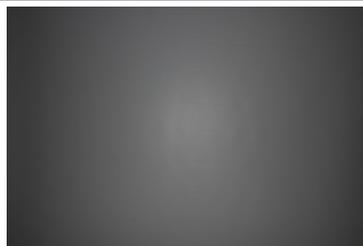
SAMSUNG

LED LM561B
FWHM 91.0 + 109.0°
Efficiency 93 %
Peak intensity 0.390 cd/lm
LEDs/each optic 1
Light colour White
Required components:



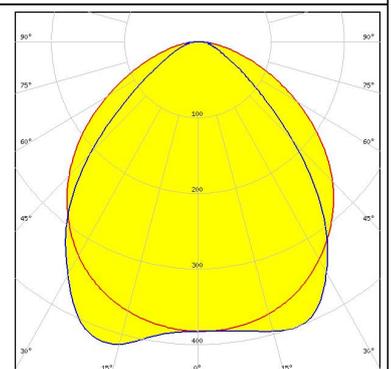
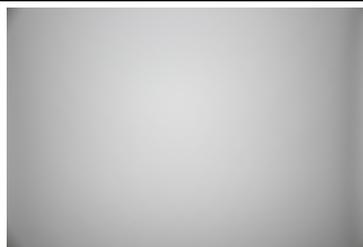
SAMSUNG

LED LM561C
FWHM 90.0 + 110.0°
Efficiency 94 %
Peak intensity 0.420 cd/lm
LEDs/each optic 1
Light colour White
Required components:

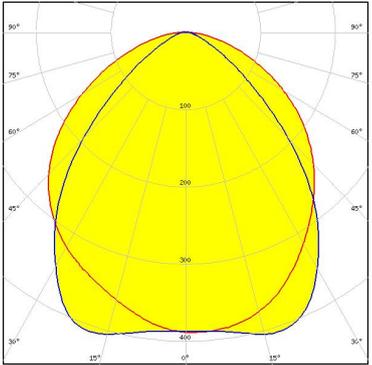
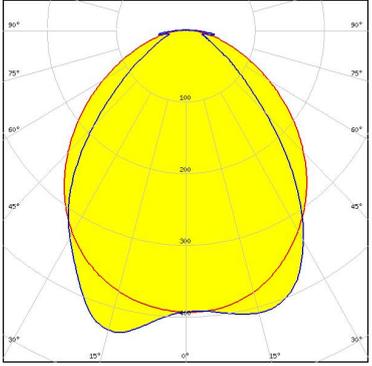


SAMSUNG

LED LT-S282N
FWHM 91.0 + 109.0°
Efficiency 94 %
Peak intensity 0.420 cd/lm
LEDs/each optic 1
Light colour White
Required components:



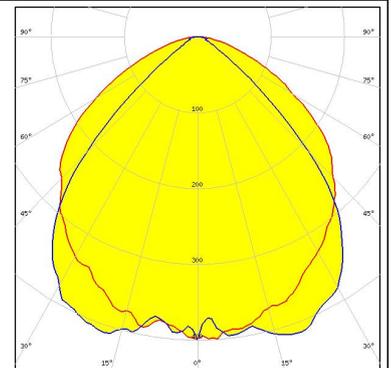
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR			
LED	SEOUL 3030		
FWHM	90.0 + 109.0°		
Efficiency	92 %		
Peak intensity	0.410 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
 SEOUL SEMICONDUCTOR			
LED	SEOUL DC 3030		
FWHM	103.0 + 86.0°		
Efficiency	94 %		
Peak intensity	0.430 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:	C14353_FLORENCE-1R-CLIP-A		

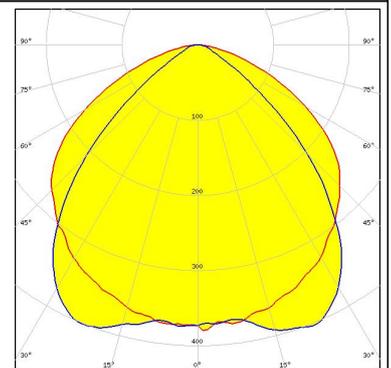
PHOTOMETRIC DATA (SIMULATED):



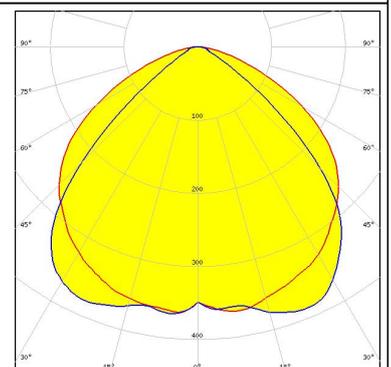
LED LUXEON 2835 Line
 FWHM 90.0 + 111.0°
 Efficiency 93 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



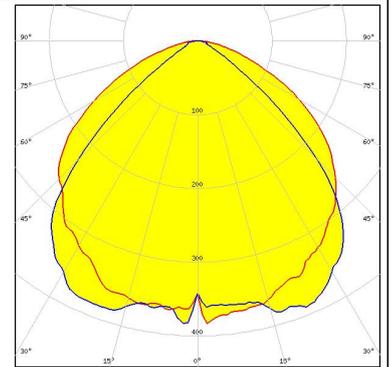
LED LUXEON 5050 Round LES
 FWHM 91.0 + 111.0°
 Efficiency 94 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Duris E 2835
 FWHM 94.0 + 106.0°
 Efficiency 93 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SEOUL DC 3030C
 FWHM 112.0 + 94.0°
 Efficiency 93 %
 Peak intensity 0.398 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.

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