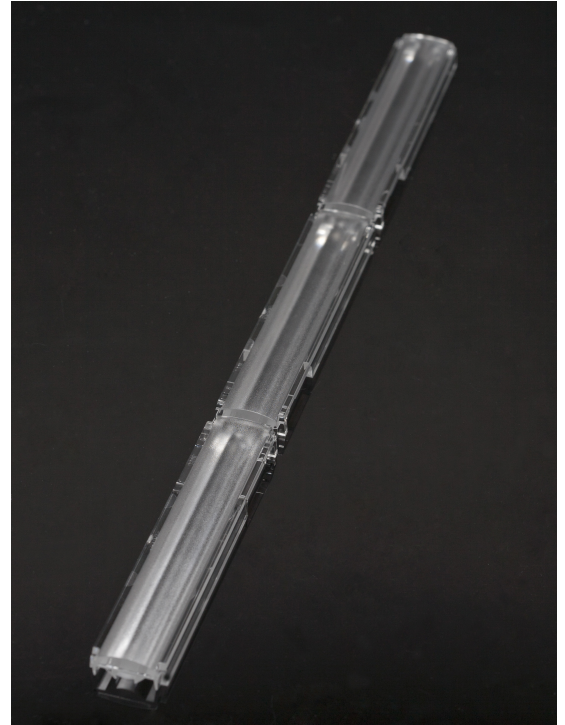


FLORENCE-1R-Z60

~60° + 110° medium beam

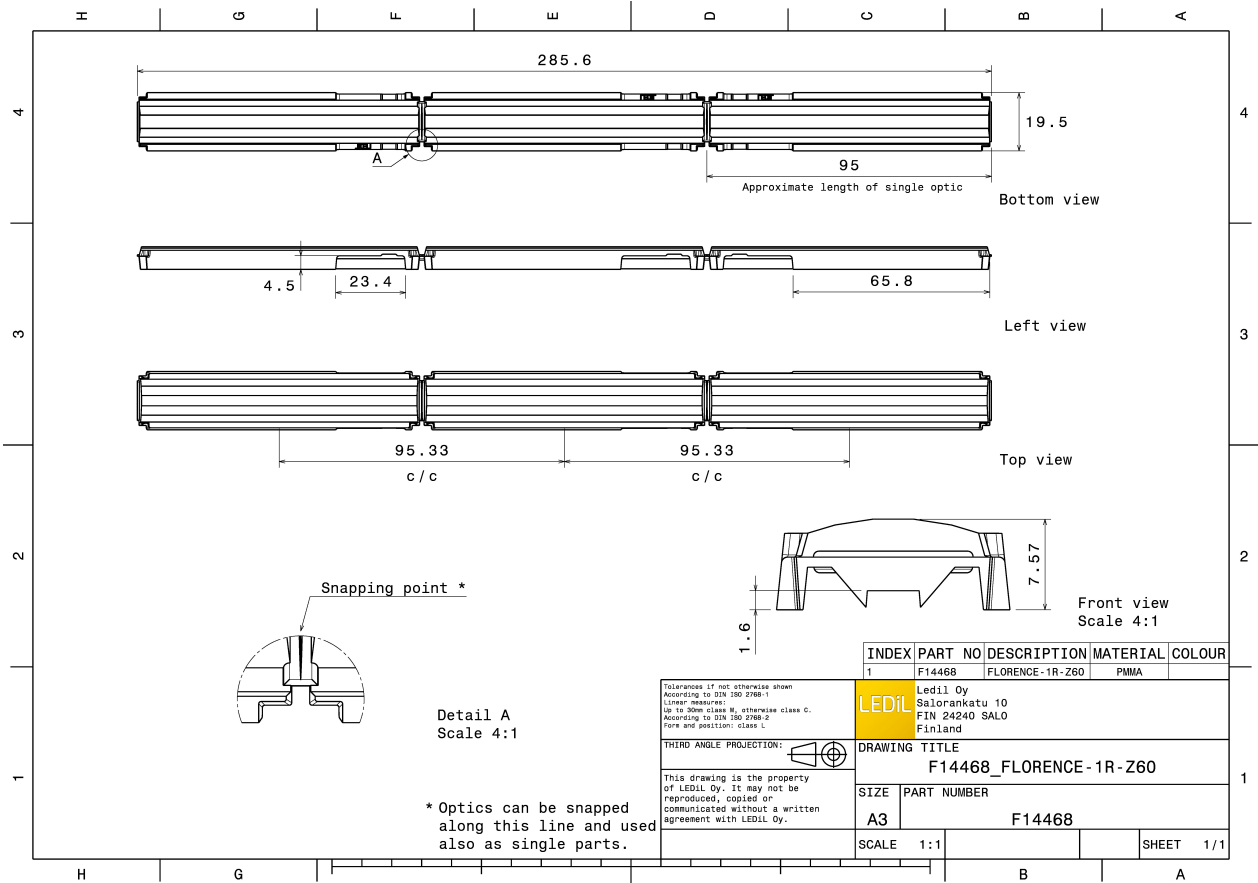
TECHNICAL SPECIFICATIONS:

| | |
|-----------------|--------------------|
| Dimensions | 19.5 x 286.0 mm |
| Height | 7.6 mm |
| Fastening | clips |
| Colour | clear |
| Box size | 398 x 298 x 265 mm |
| Box weight | 7.1 kg |
| Quantity in Box | 165 pcs |
| ROHS compliant | yes ⓘ |



MATERIAL SPECIFICATIONS:

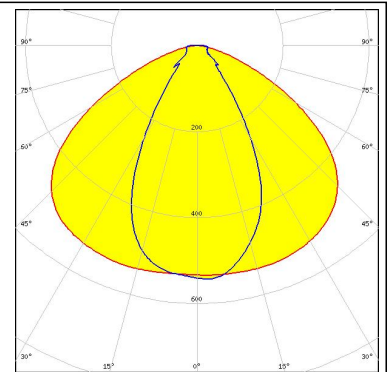
| Component | Type | Material | Colour |
|-----------------|-------------|----------|--------|
| FLORENCE-1R-Z60 | Linear lens | PMMA | clear |



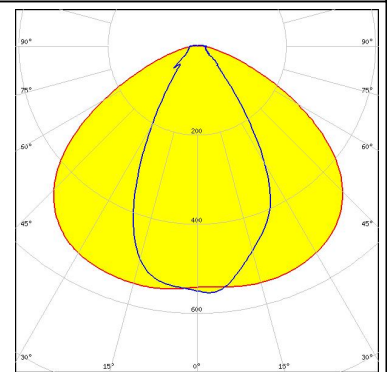
PHOTOMETRIC DATA (MEASURED):



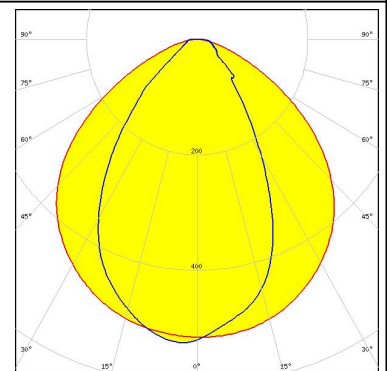
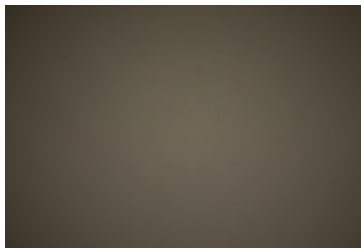
LED CALGD0414-M8W1
 FWHM 58.0 + 121.0°
 Efficiency 94 %
 Peak intensity 0.550 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



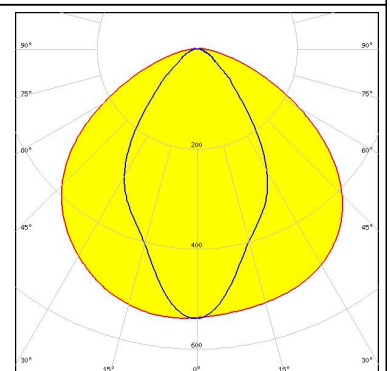
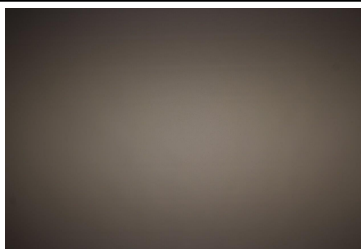
LED CALGD0814-M17W1
 FWHM 57.0 + 118.0°
 Efficiency 92 %
 Peak intensity 0.550 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED L0-280024-xxx-C0800-L267
 FWHM 65.0 + 107.0°
 Efficiency 93 %
 Peak intensity 0.530 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



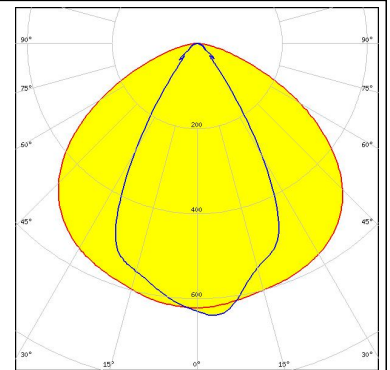
LED XH-B/G
 FWHM 63.0 + 113.0°
 Efficiency 94 %
 Peak intensity 0.540 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

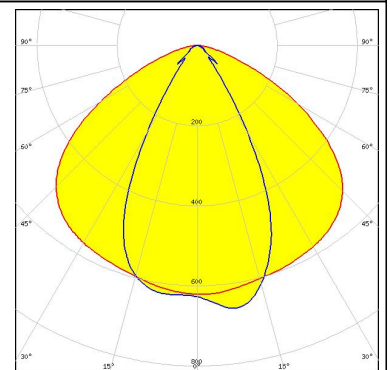
LUMILEDS

LED LUXEON 3014
 FWHM 59.0 + 115.0°
 Efficiency 94 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



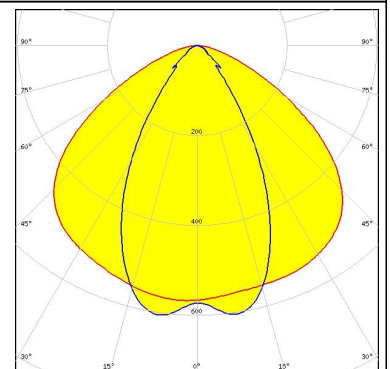
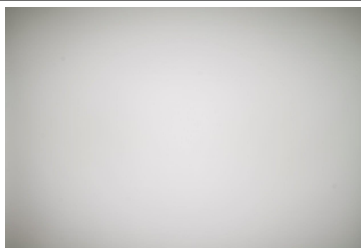
LUMILEDS

LED LUXEON 3020
 FWHM 55.0 + 117.0°
 Efficiency 94 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



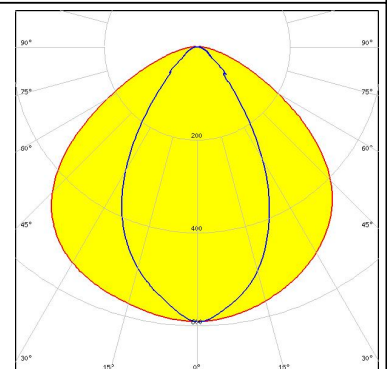
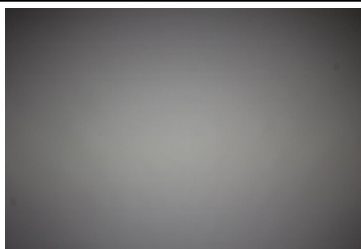
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM 57.0 + 114.0°
 Efficiency 94 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

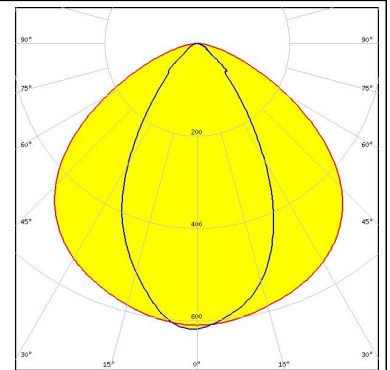
LED LUXEON 3535 2D
 FWHM 60.0 + 109.0°
 Efficiency 94 %
 Peak intensity 0.590 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

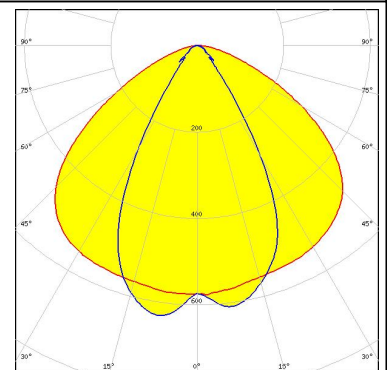
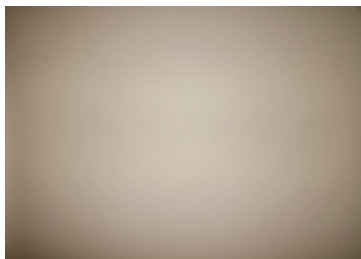
LUMILEDS

LED LUXEON 3535L
 FWHM 59.0 + 110.0°
 Efficiency 94 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



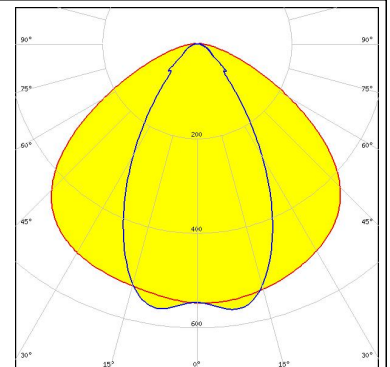
LUMINUS

LED MP-2016
 FWHM 58.0 + 115.0°
 Efficiency 94 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



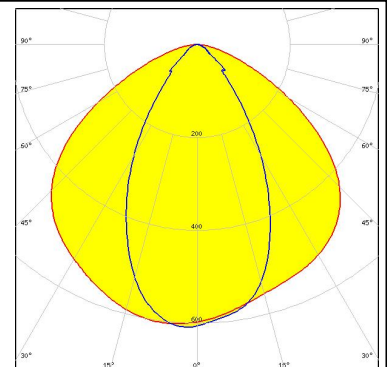
NICHIA

LED NF2x757D
 FWHM 59.0 + 114.0°
 Efficiency 94 %
 Peak intensity 0.570 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

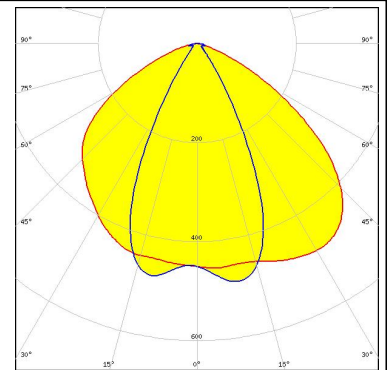
LED NF2x757G
 FWHM 56.0 + 111.0°
 Efficiency 93 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



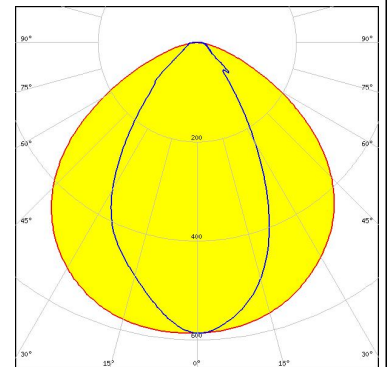
PHOTOMETRIC DATA (MEASURED):



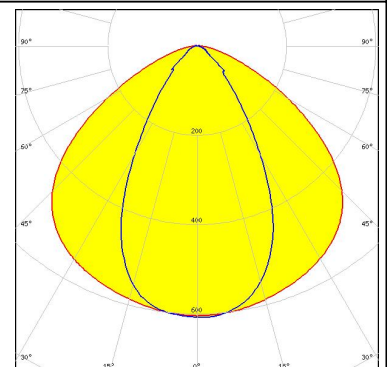
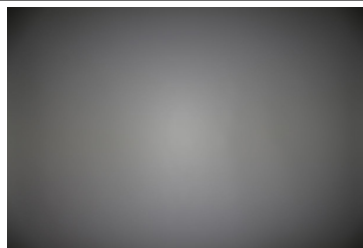
LED NF2x757G
FWHM 112.0 + 52.0°
Efficiency 70 %
Peak intensity 0.499 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14593_FLORENCE-1R-SHD-BLK



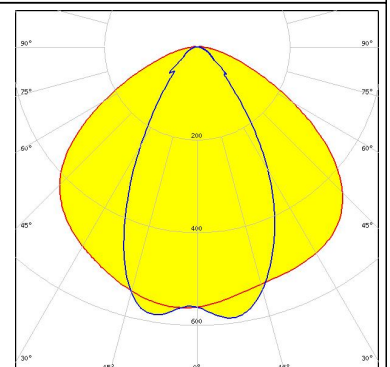
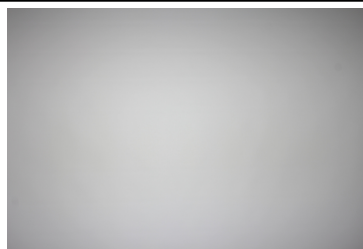
LED NFSW757H
FWHM 107.0 + 60.0°
Efficiency 94 %
Peak intensity 0.587 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14353_FLORENCE-1R-CLIP-A



LED Duris E5
FWHM 112.0 + 58.0°
Efficiency 94 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:



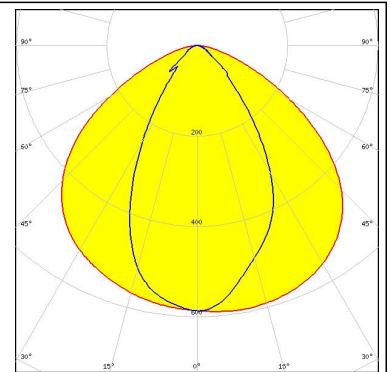
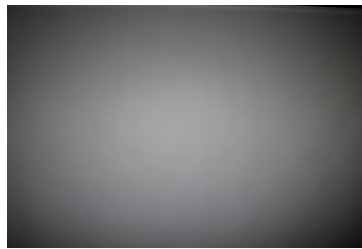
LED Duris S5 (2 chip)
FWHM 58.0 + 114.0°
Efficiency 94 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

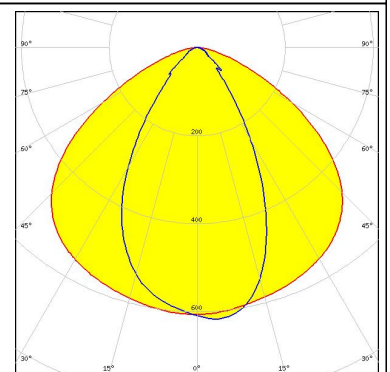
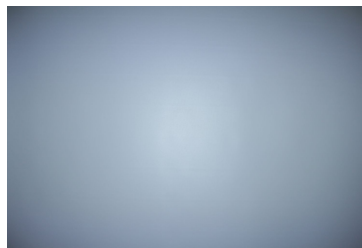
SAMSUNG

LED LM28xB Series
 FWHM 111.0 + 59.0°
 Efficiency 94 %
 Peak intensity 0.593 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14409_FLORENCE-1R-CLIP-B



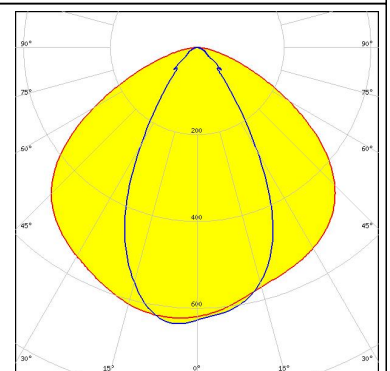
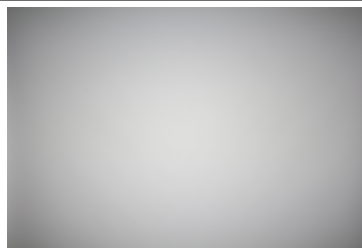
SAMSUNG

LED LM28xB Series
 FWHM 57.0 + 113.0°
 Efficiency 94 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



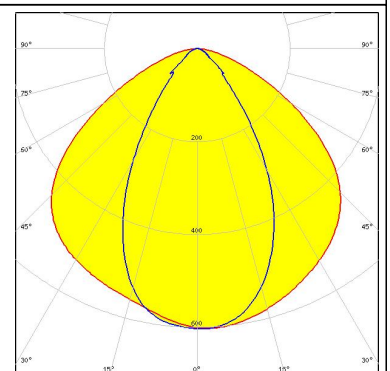
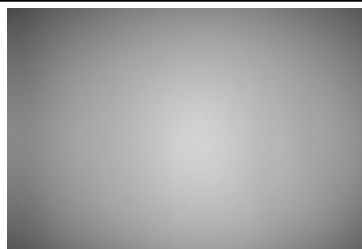
SAMSUNG

LED LM301A
 FWHM 56.0 + 113.0°
 Efficiency 94 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

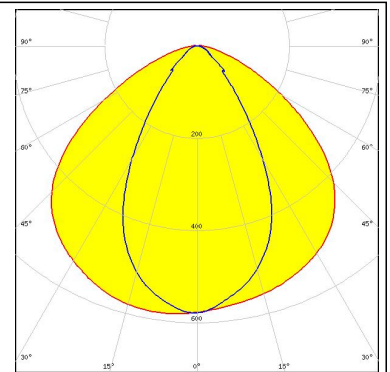
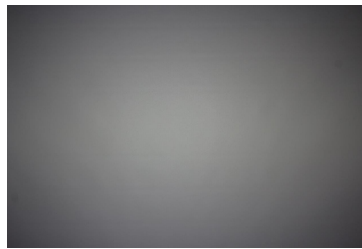
LED LM302A
 FWHM 59.0 + 111.0°
 Efficiency 94 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

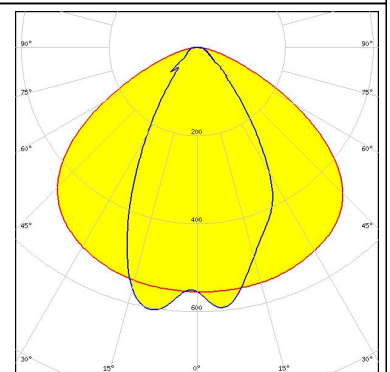
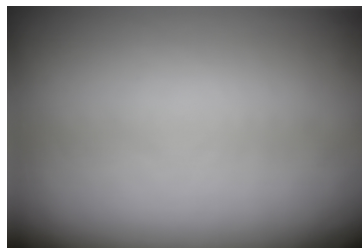
SAMSUNG

LED LM561B
 FWHM 59.0 + 111.0°
 Efficiency 94 %
 Peak intensity 0.580 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



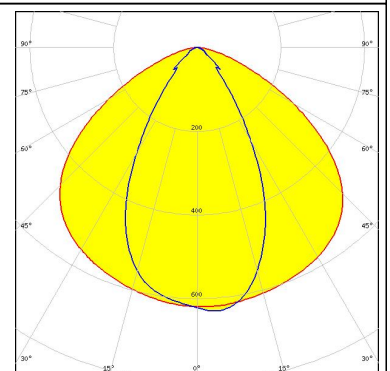
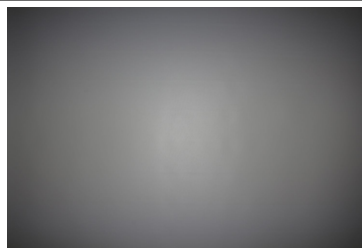
SAMSUNG

LED LM561B Plus
 FWHM 117.0 + 58.0°
 Efficiency 94 %
 Peak intensity 0.605 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14353_FLORENCE-1R-CLIP-A



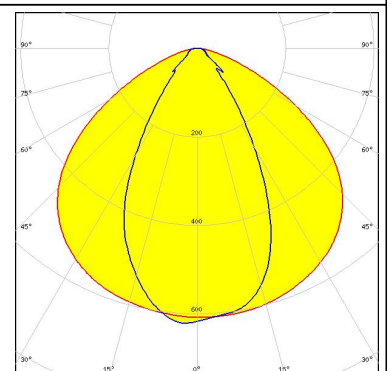
SAMSUNG

LED LM561C
 FWHM 56.0 + 113.0°
 Efficiency 94 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



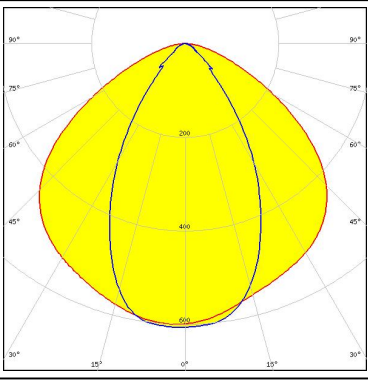


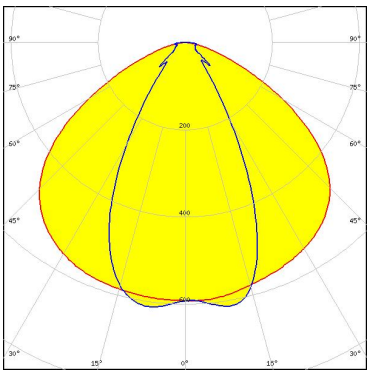


SAMSUNG

LED LT-S282N
 FWHM 56.0 + 112.0°
 Efficiency 94 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



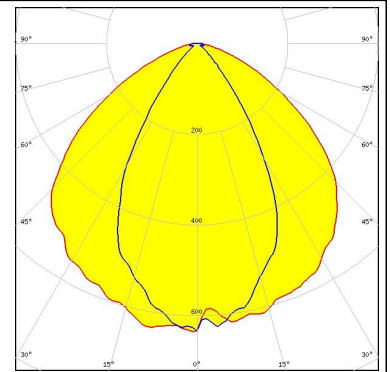
PHOTOMETRIC DATA (MEASURED):

| | | |
|---|---|--|
| <p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL 3030 FWHM: 59.0 + 111.0° Efficiency: 94 % Peak intensity: 0.600 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |  |
| <p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030 FWHM: 115.0 + 55.0° Efficiency: 94 % Peak intensity: 0.610 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14353_FLORENCE-1R-CLIP-A</p> |  |  |

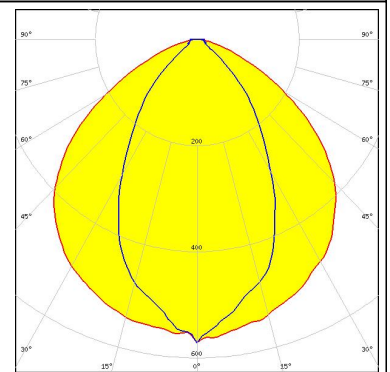
PHOTOMETRIC DATA (SIMULATED):



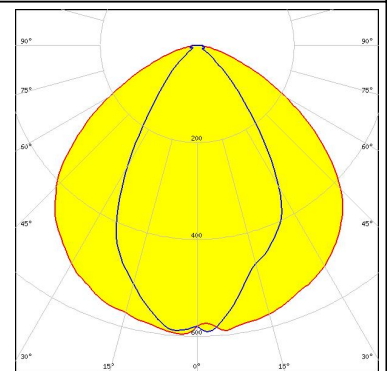
LED LUXEON 2835 Line
FWHM 59.0 + 107.0°
Efficiency 94 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:



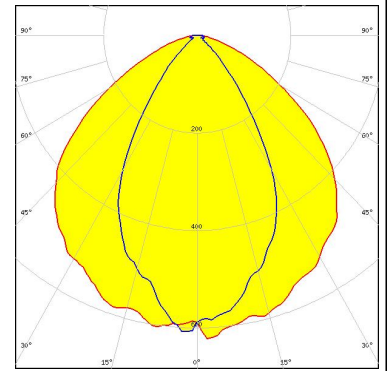
LED LUXEON 5050 Round LES
FWHM 61.0 + 107.0°
Efficiency 94 %
Peak intensity 0.570 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris E 2835
FWHM 61.0 + 107.0°
Efficiency 94 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED SEOUL DC 3030C
FWHM 107.0 + 62.0°
Efficiency 95 %
Peak intensity 0.625 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.

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