

FLORENCE-1R-Z60

~60° + 110° medium beam

SPECIFICATION:

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

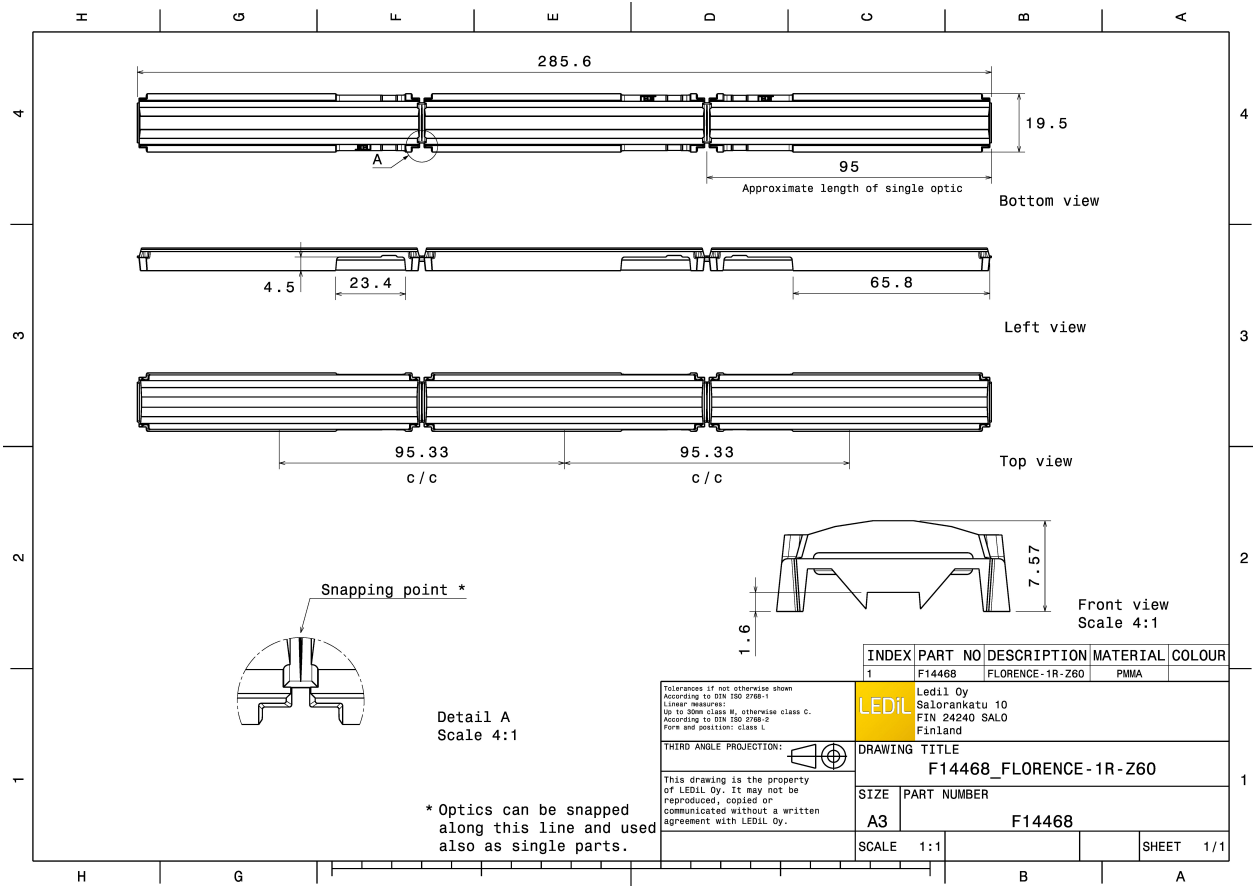
MATERIALS:

Component	Type	Material	Colour	Finish	Length
FLORENCE-1R-Z60	Linear lens	PMMA	clear		19.5

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



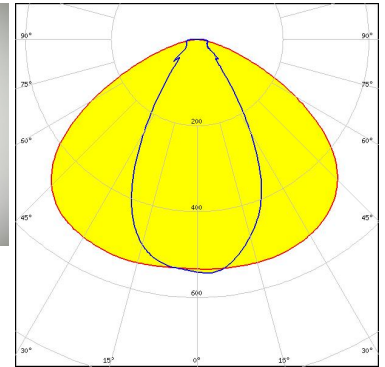


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



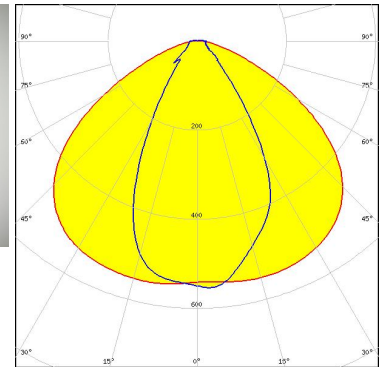
LED CALGD0414-M8W1
 FWHM / FWTM 58.0 + 121.0° / 99.0 + 153.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



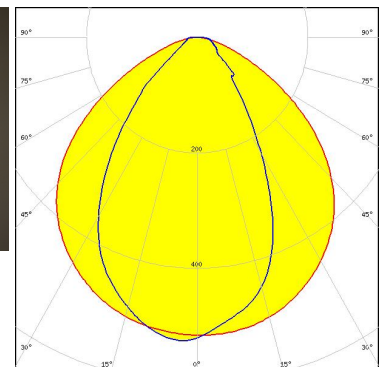
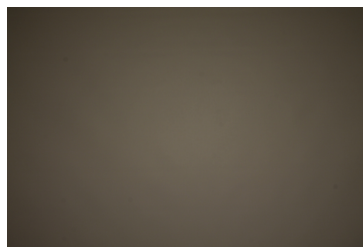
LED CALGD0814-M17W1
 FWHM / FWTM 57.0 + 118.0° / 99.0 + 152.0°
 Efficiency 92 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:

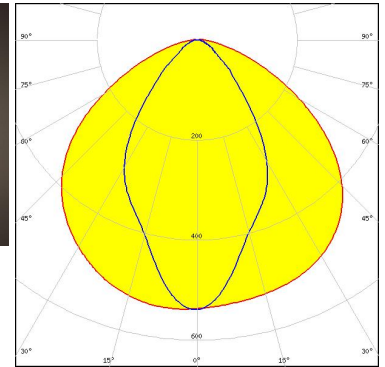
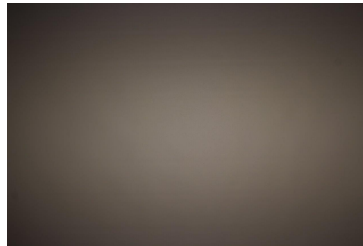


Light distribution files

OPTICAL RESULTS (MEASURED):



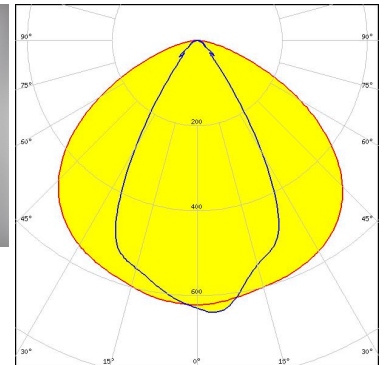
LED XH-B/G
FWHM / FWTM 63.0 + 113.0° / 105.0 + 155.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



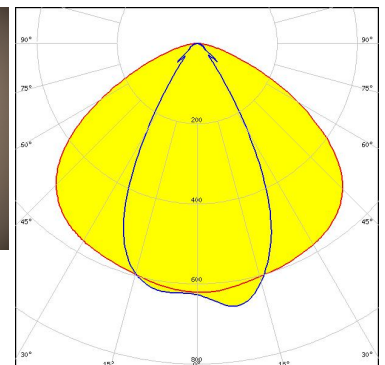
LED LUXEON 3014
FWHM / FWTM 59.0 + 115.0° / 82.0 + 151.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 3020
FWHM / FWTM 55.0 + 117.0° / 96.0 + 151.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

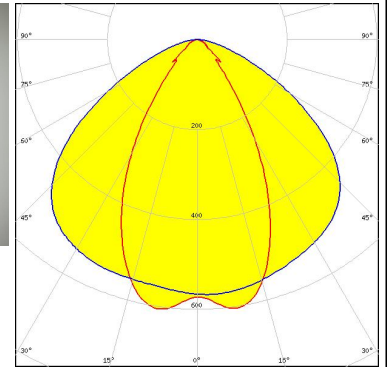


Light distribution files

OPTICAL RESULTS (MEASURED):



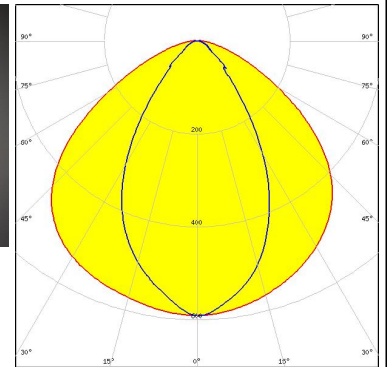
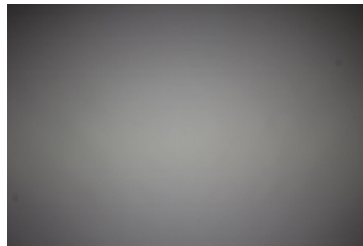
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 57.0 + 114.0° / 97.0 + 150.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



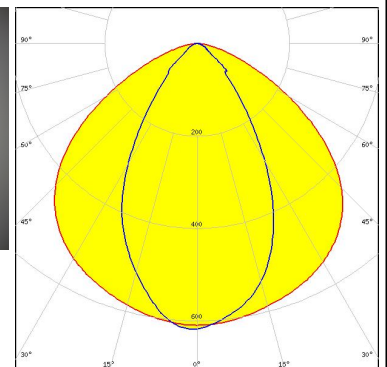
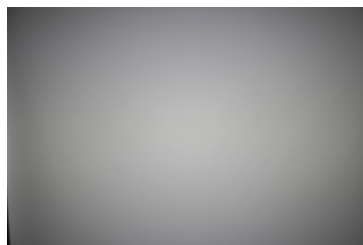
LED LUXEON 3535 2D
 FWHM / FWTM 60.0 + 109.0° / 100.0 + 150.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 3535L
 FWHM / FWTM 59.0 + 110.0° / 99.0 + 149.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

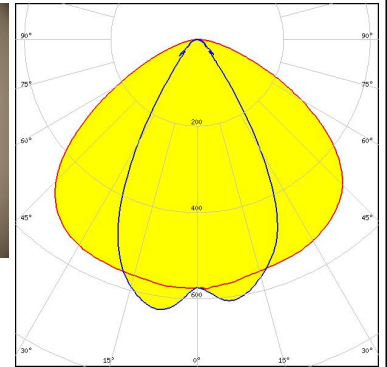


Light distribution files

OPTICAL RESULTS (MEASURED):



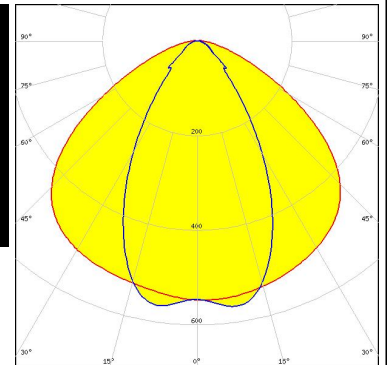
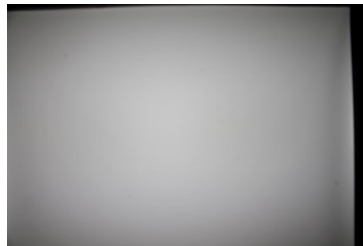
LED MP-2016
FWHM / FWTM 58.0 + 115.0° / 82.0 + 157.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



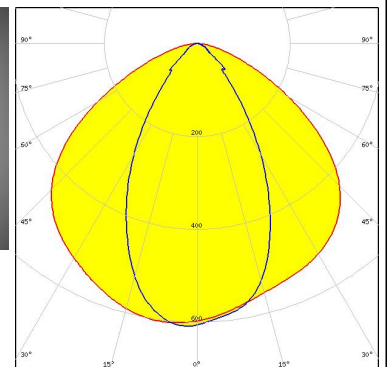
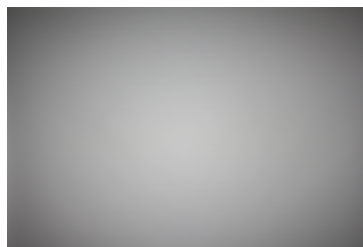
LED NF2x757D
FWHM / FWTM 59.0 + 114.0° / 101.0 + 152.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

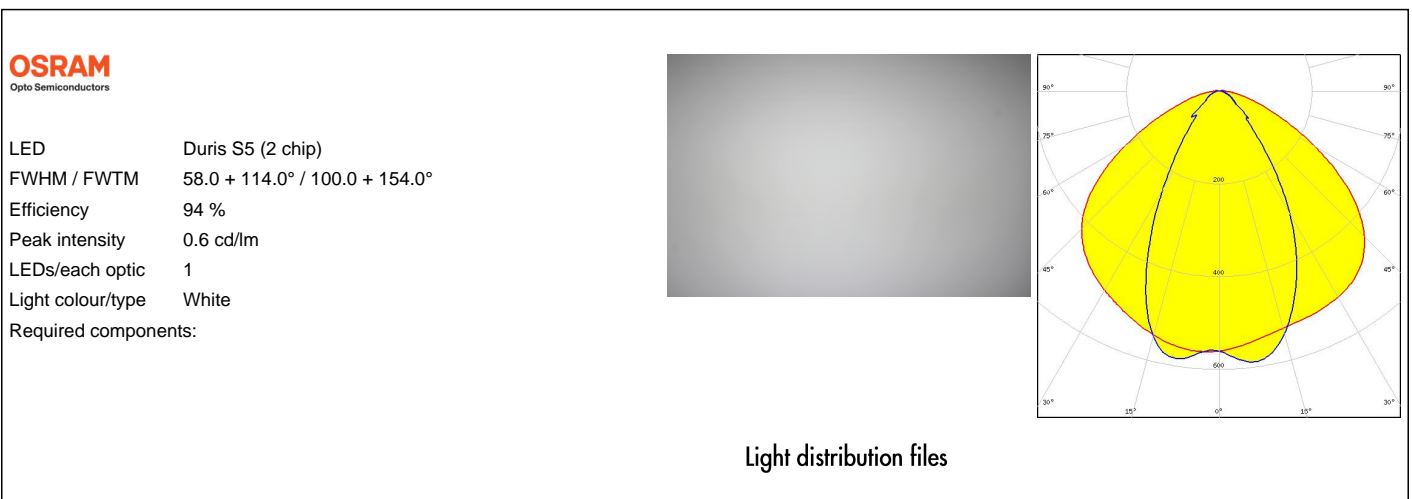
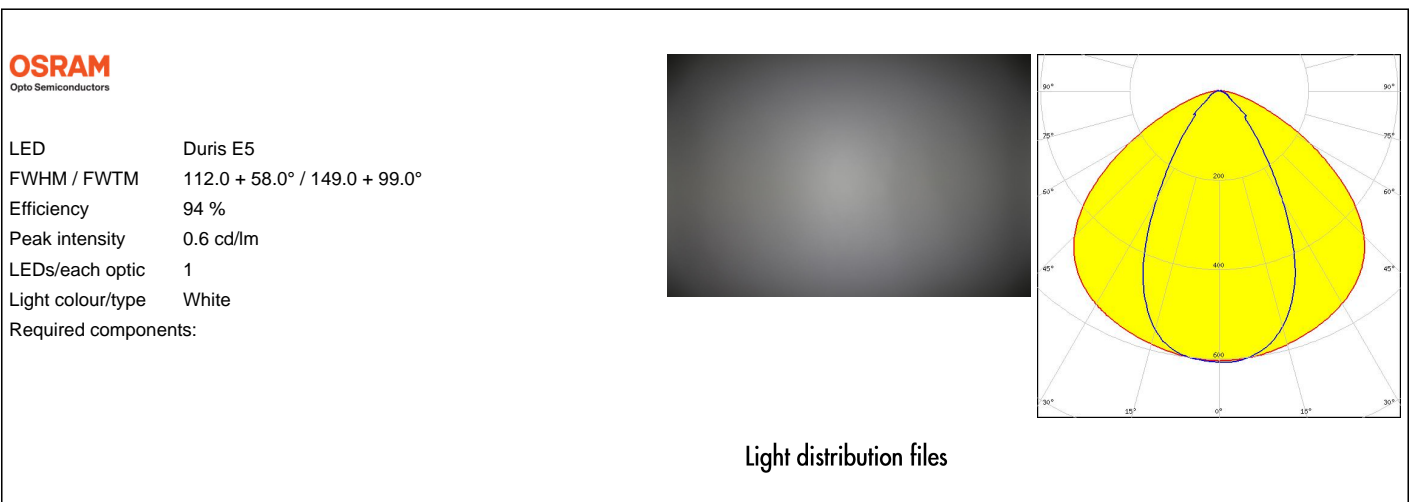
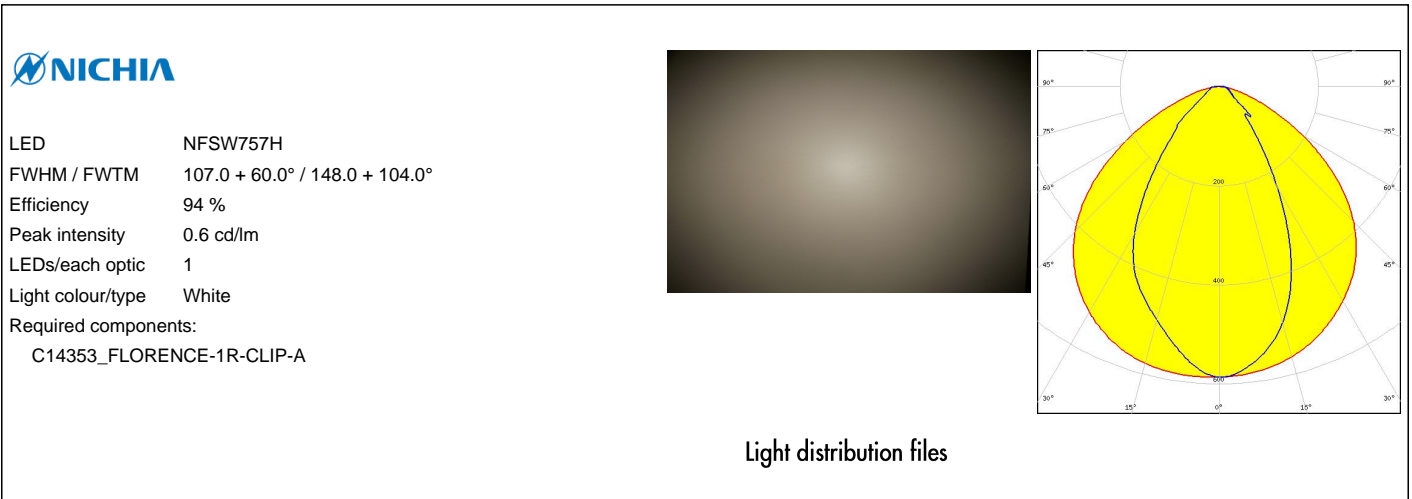


LED NF2x757G
FWHM / FWTM 56.0 + 111.0° / 98.0 + 150.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

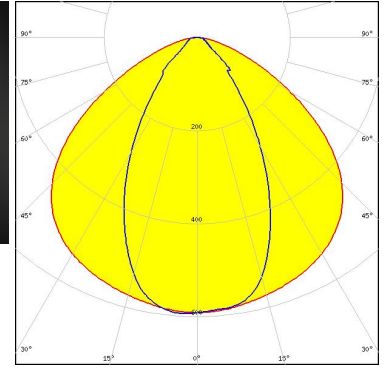
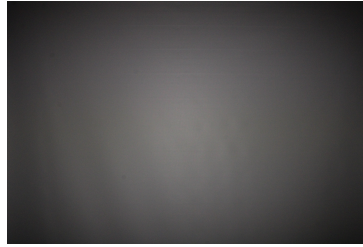
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

PHILIPS

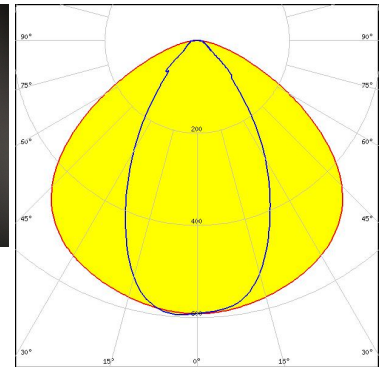
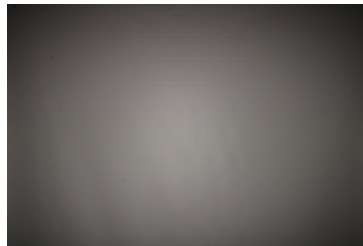
LED Fortimo LED Line 1ft HF 1R HV5
FWHM / FWTM 112.0 + 58.0° / 151.0 + 101.0°
Efficiency 97 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14353_FLORENCE-1R-CLIP-A



Light distribution files

PHILIPS

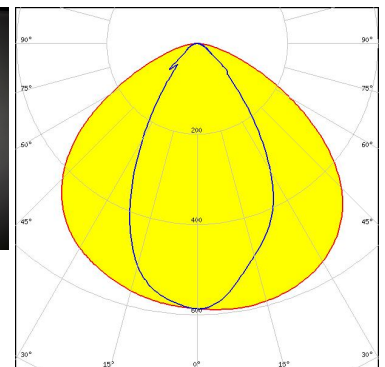
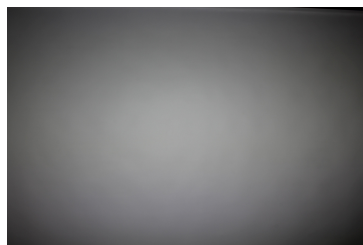
LED Fortimo LED Line 1ft MF 1R HV5 & LV5
FWHM / FWTM 112.0 + 59.0° / 151.0 + 100.0°
Efficiency 97 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14353_FLORENCE-1R-CLIP-A



Light distribution files

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/type White
Required components:
C14409_FLORENCE-1R-CLIP-B

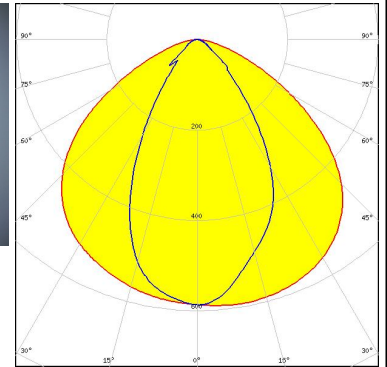


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

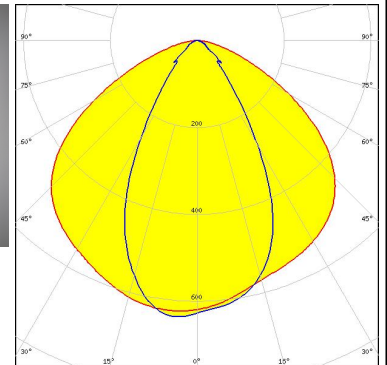
LED LM28xB Series
 FWHM / FWTM 57.0 + 113.0° / 98.0 + 150.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

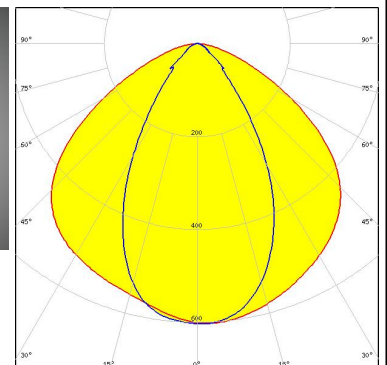
LED LM301A
 FWHM / FWTM 56.0 + 113.0° / 98.0 + 151.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

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

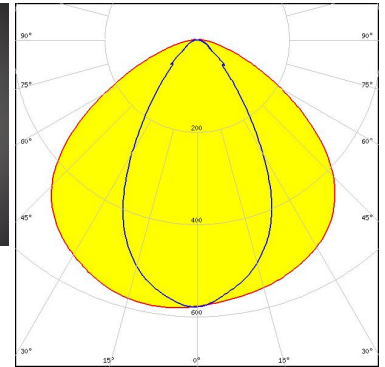
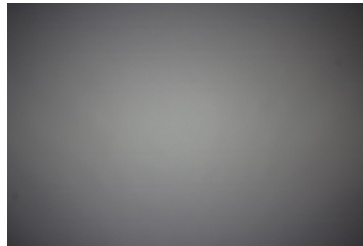


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

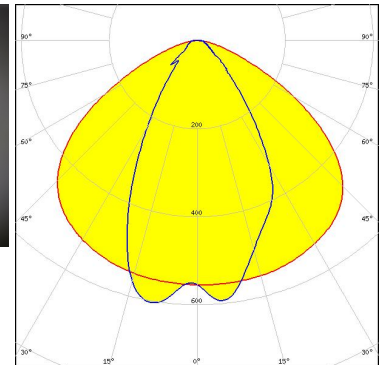
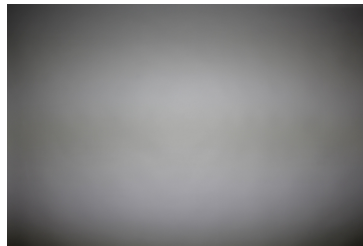
LED LM561B
FWHM / FWTM 59.0 + 111.0° / 100.0 + 151.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

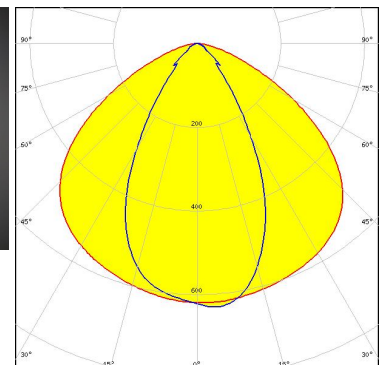
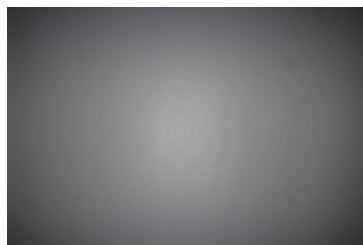
LED LM561B Plus
FWHM / FWTM 117.0 + 58.0° / 151.0 + 100.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14353_FLORENCE-1R-CLIP-A



Light distribution files

SAMSUNG

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

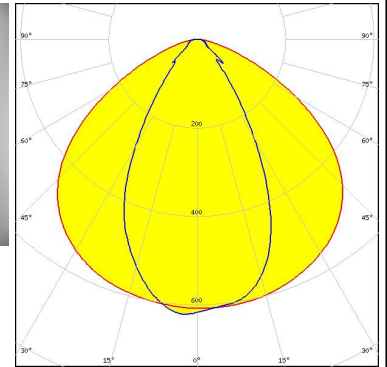


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

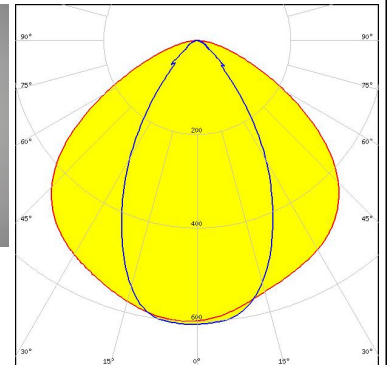
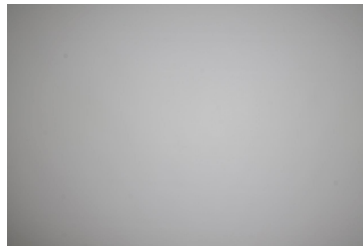
LED LT-S282N
 FWHM / FWTM 56.0 + 112.0° / 99.0 + 149.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



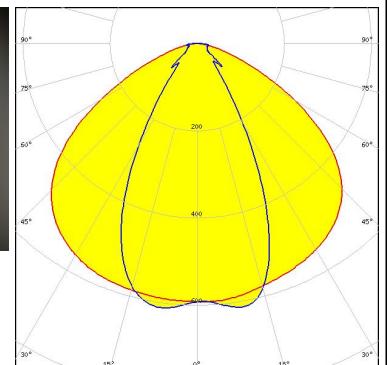
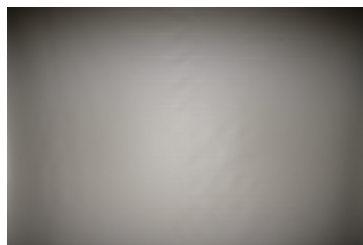
LED SEOUL 3030
 FWHM / FWTM 59.0 + 111.0° / 98.0 + 150.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:
 C14353_FLORENCE-1R-CLIP-A

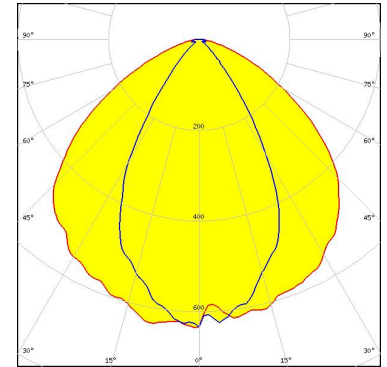


Light distribution files

OPTICAL RESULTS (SIMULATED):



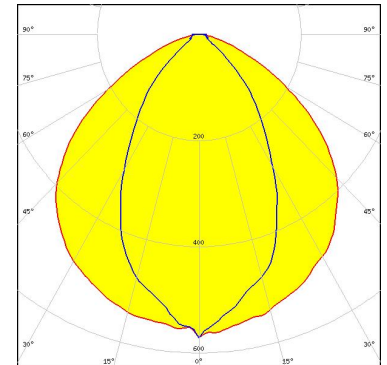
LED LUXEON 2835 Line
FWHM / FWTM 59.0 + 107.0° / 86.0 + 146.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



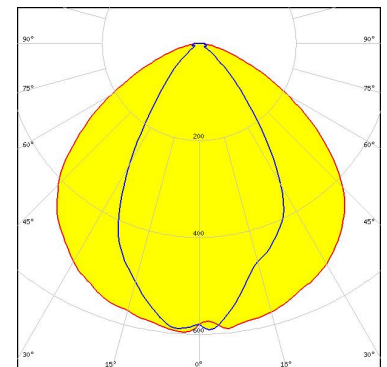
LED LUXEON 5050 Round LES
FWHM / FWTM 61.0 + 107.0° / 103.0 + 146.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Duris E 2835
FWHM / FWTM 61.0 + 107.0° / 95.0 + 147.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

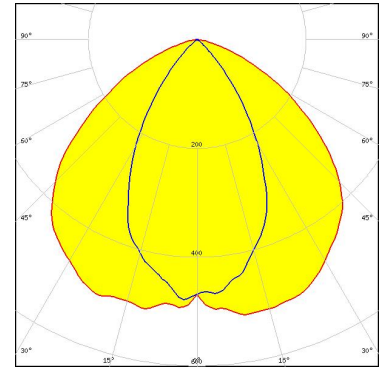


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

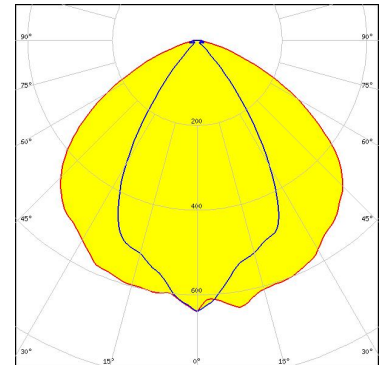
LED Duris E5
 FWHM / FWTM 108.0 + 58.0° / 144.0 + 88.0°
 Efficiency 75 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14593_FLORENCE-1R-SHD-BLK



Light distribution files

OSRAM
Opto Semiconductors

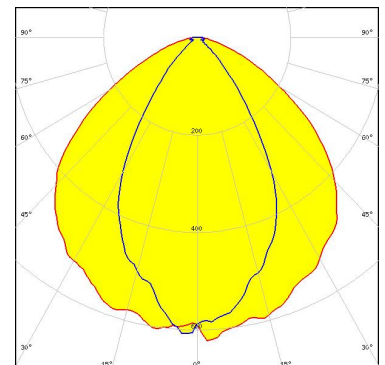
LED OSCONIQ C 2424
 FWHM / FWTM 112.0 + 61.0° / 146.0 + 83.0°
 Efficiency 96 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SEOL
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/type White
 Required components:



Light distribution files

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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LEDiL Oy

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P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Poznan, Poland
Hong Kong, China

Distribution Partners

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where_to_buy](http://www.ledil.com/where_to_buy)