FLORENCE-1R-Z90

~90° + 110° wide beam



SPECIFICATION:

Dimensions	19.5 x 286.0
Height	7 mm
Fastening	clips
ROHS compliant	yes

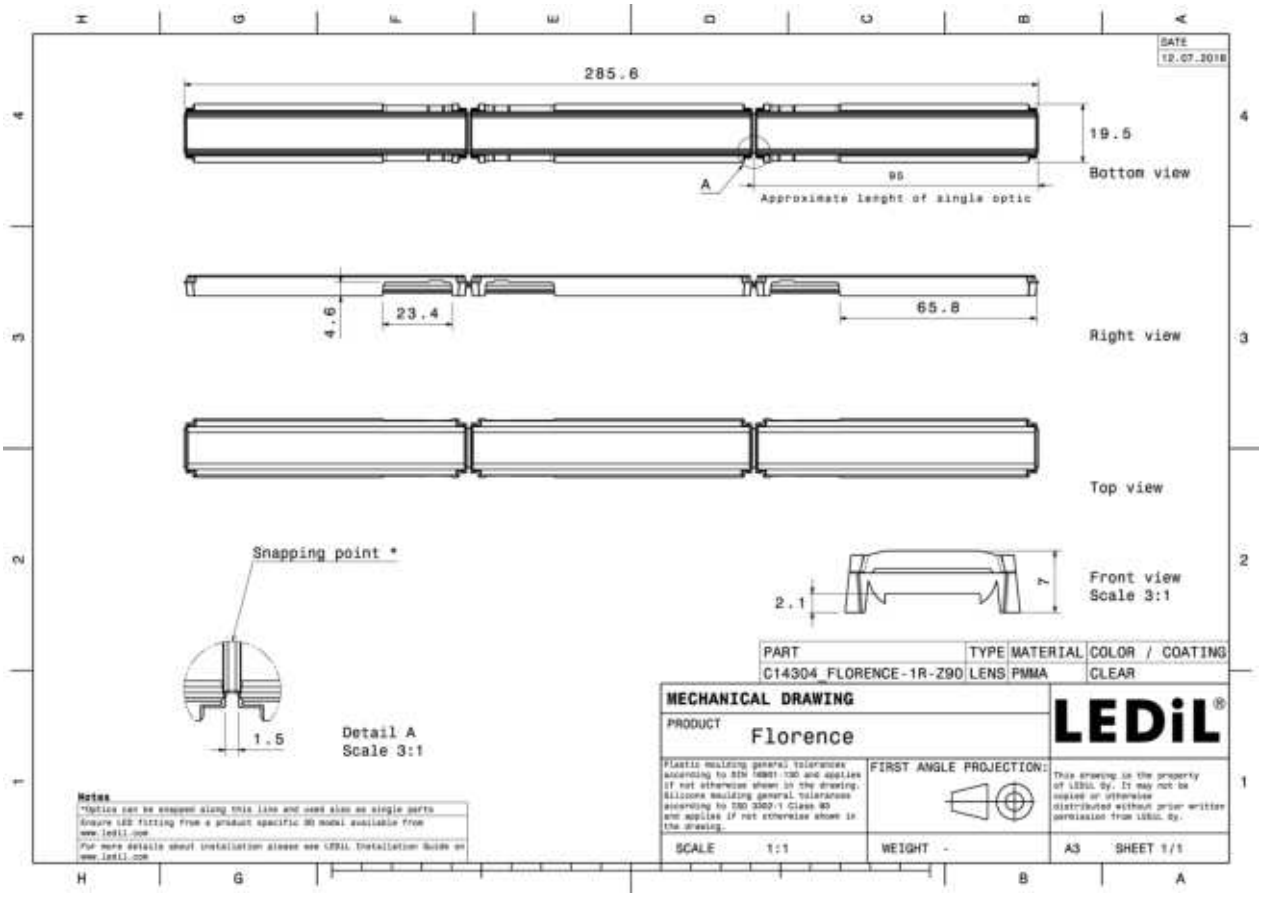
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLORENCE-1R-Z90	Linear lens	PMMA	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14304_FLORENCE-1R-Z90 » Box size: 398 x 298 x 265 mm	165	45	15	7.5

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

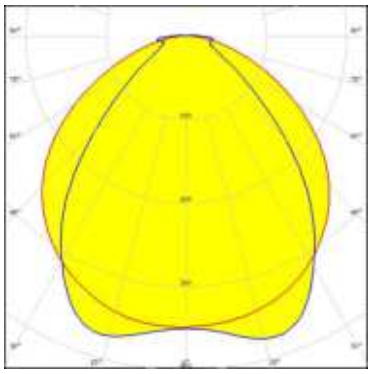
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OPTICAL RESULTS (MEASURED):

aled

LED	CALGD0414-M8W1
FWHM / FWTM	89.0 + 115.0° / 151.0 + 159.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



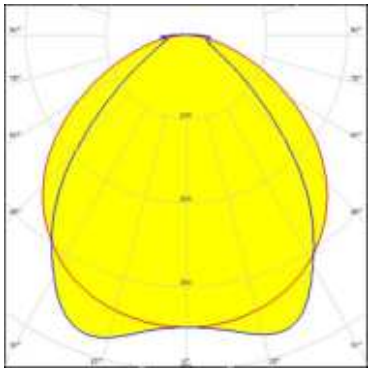


Light distribution files

aled

LED	CALGD0814-M17W1
FWHM / FWTM	90.0 + 114.0° / 137.0 + 159.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



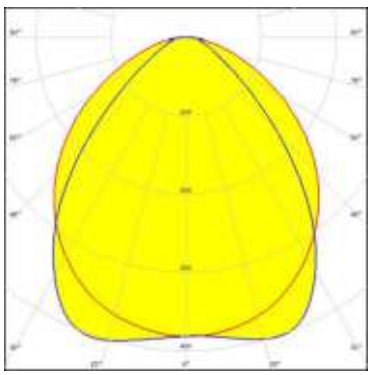


Light distribution files

CEZOS

LED	L0-280024-xxx-C0800-L267
FWHM / FWTM	88.0 + 106.0° / 131.0 + 156.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





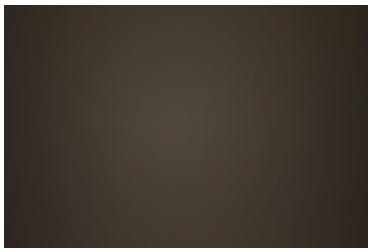
Light distribution files

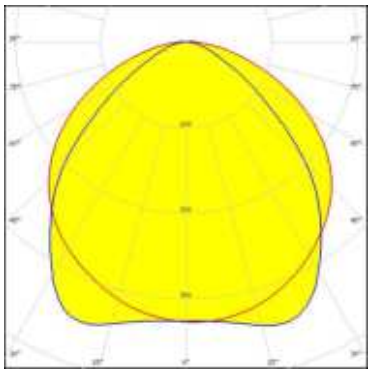
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XH-B/G
FWHM / FWTM	97.0 + 117.0° / 139.0 + 165.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



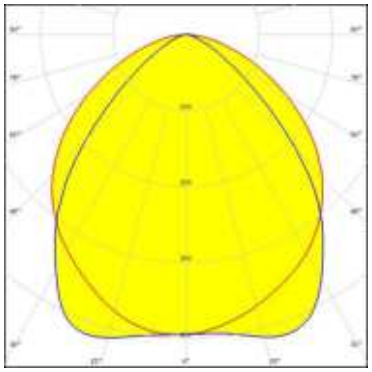


Light distribution files

LUMILEDS

LED	LUXEON 3014
FWHM / FWTM	91.0 + 109.0° / 125.0 + 156.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

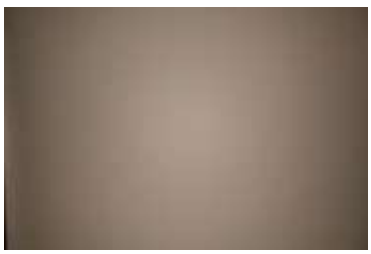


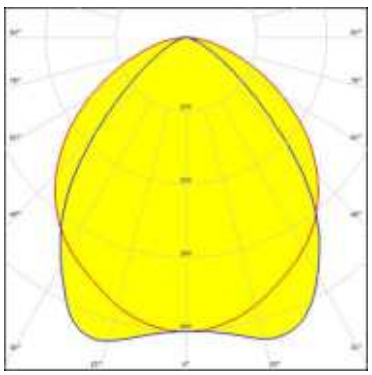


Light distribution files

LUMILEDS

LED	LUXEON 3020
FWHM / FWTM	89.0 + 108.0° / 123.0 + 157.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

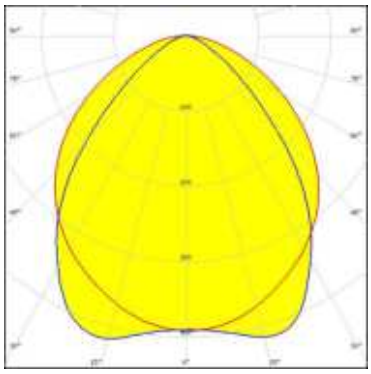
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	88.0 + 108.0° / 125.0 + 157.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

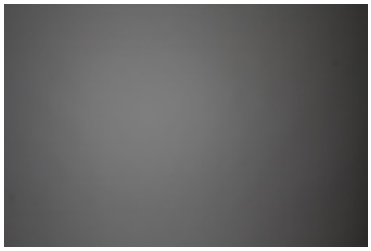


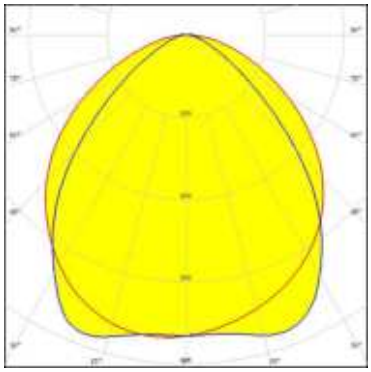


Light distribution files

LUMILEDS

LED	LUXEON 3535 2D
FWHM / FWTM	92.0 + 110.0° / 133.0 + 160.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

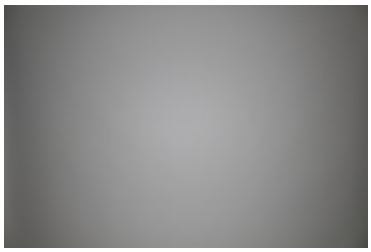


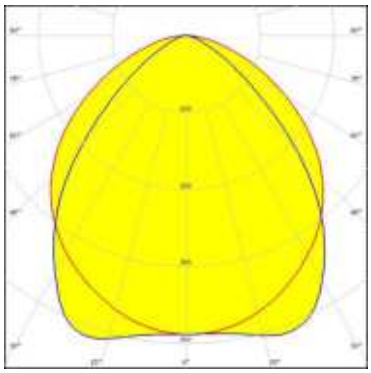


Light distribution files

LUMILEDS

LED	LUXEON 3535L
FWHM / FWTM	92.0 + 109.0° / 128.0 + 157.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





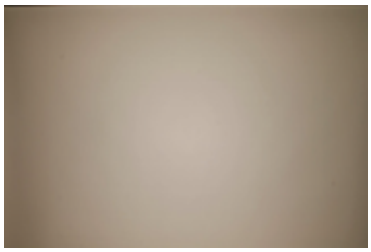
Light distribution files

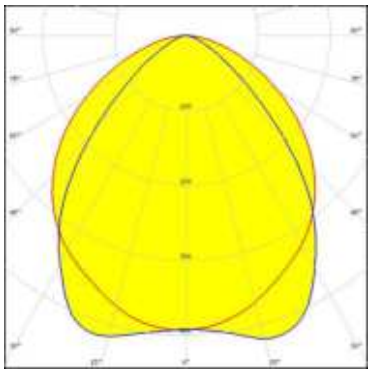
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OPTICAL RESULTS (MEASURED):

LUMINUS

LED	MP-2016
FWHM / FWTM	89.0 + 108.0° / 125.0 + 157.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



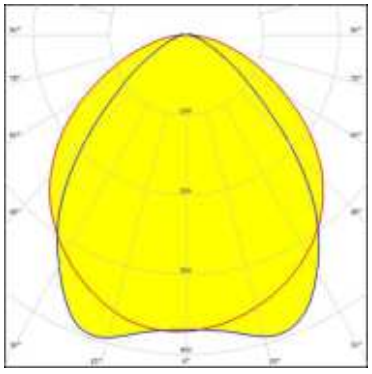


Light distribution files

NICHIA

LED	NF2x757D
FWHM / FWTM	90.0 + 110.0° / 131.0 + 160.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

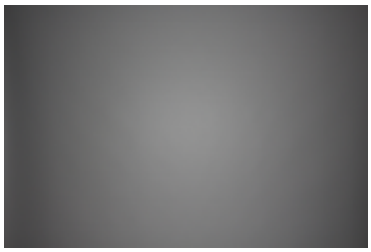


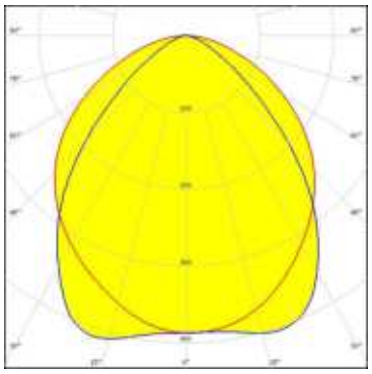


Light distribution files

NICHIA

LED	NF2x757G
FWHM / FWTM	90.0 + 108.0° / 127.0 + 158.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

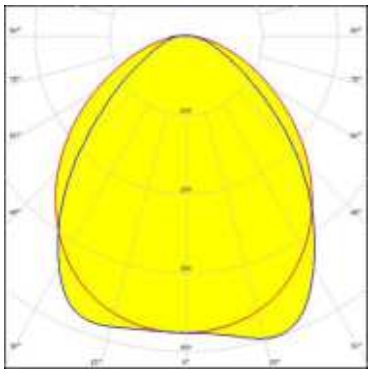
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NFSW757H
FWHM / FWTM	104.0 + 89.0° / 156.0 + 140.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14353_FLORENCE-1R-CLIP-A	



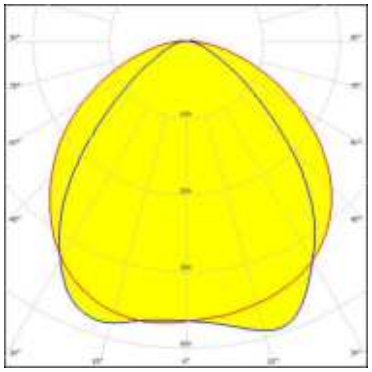


Light distribution files

OSRAM

LED	DURIS S5 (2 chip)
FWHM / FWTM	90.0 + 113.0° / 131.0 + 161.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



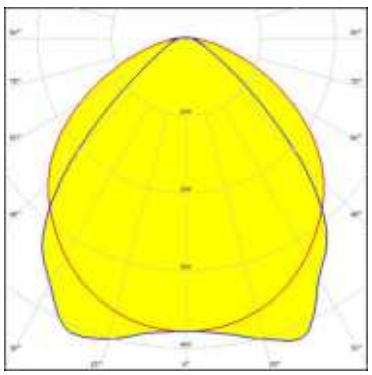


Light distribution files

PHILIPS

LED	Fortimo LED Line 1ft HF 1R HV5
FWHM / FWTM	113.0 + 90.0° / 157.0 + 122.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14353_FLORENCE-1R-CLIP-A	





Light distribution files

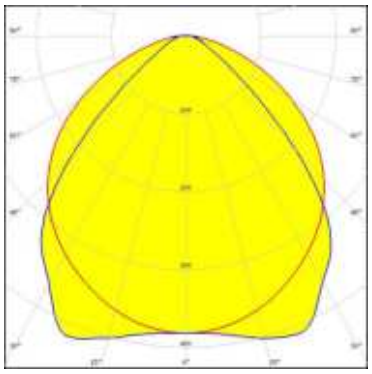
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OPTICAL RESULTS (MEASURED):

PHILIPS

LED	Fortimo LED Line 1ft MF 1R HV5 & LV5
FWHM / FWTM	113.0 + 91.0° / 157.0 + 122.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14353_FLORENCE-1R-CLIP-A	

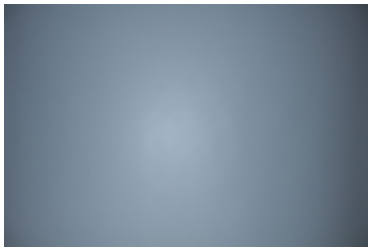


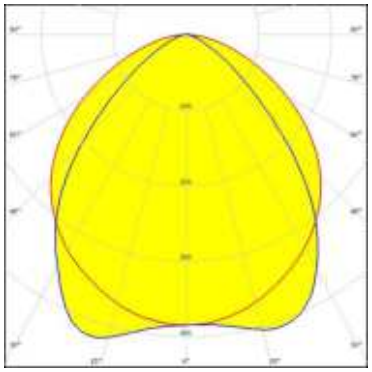


Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	91.0 + 111.0° / 127.0 + 158.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



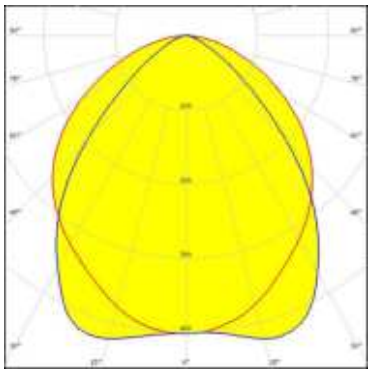


Light distribution files

SAMSUNG

LED	LM301A
FWHM / FWTM	89.0 + 109.0° / 125.0 + 158.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

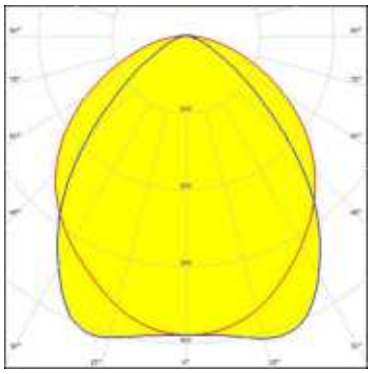
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OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LM302A
FWHM / FWTM	90.0 + 108.0° / 128.0 + 159.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

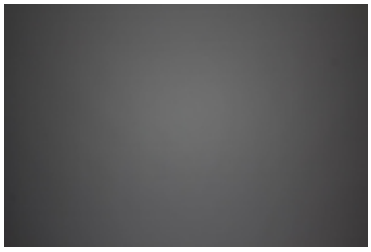


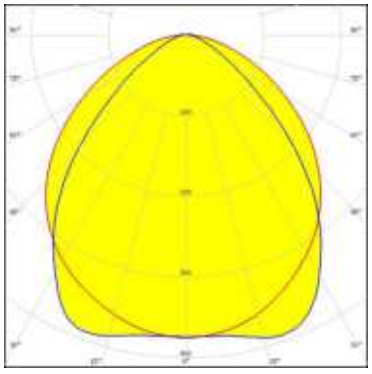


Light distribution files

SAMSUNG

LED	LM561B
FWHM / FWTM	91.0 + 109.0° / 131.0 + 159.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



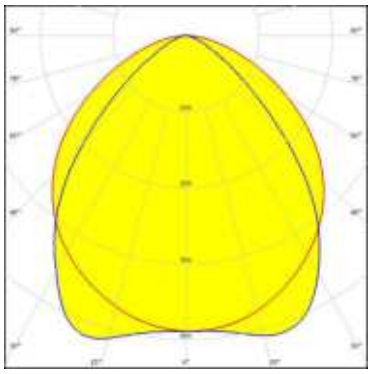


Light distribution files

SAMSUNG

LED	LM561C
FWHM / FWTM	90.0 + 110.0° / 126.0 + 157.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





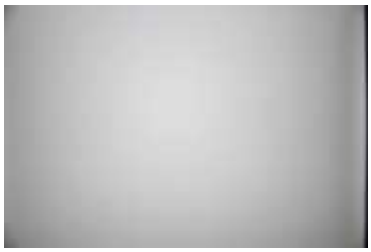
Light distribution files

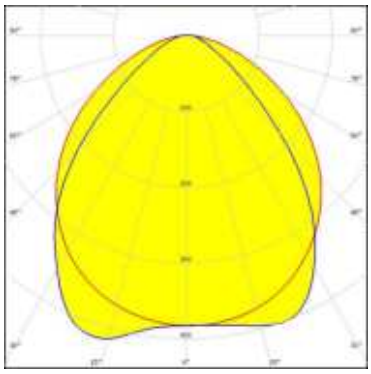
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OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LT-S282N
FWHM / FWTM	91.0 + 109.0° / 156.0 + 131.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



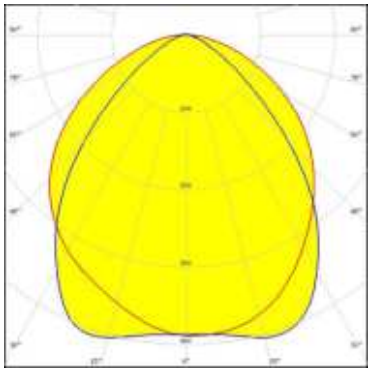


Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM / FWTM	90.0 + 109.0° / 127.0 + 158.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

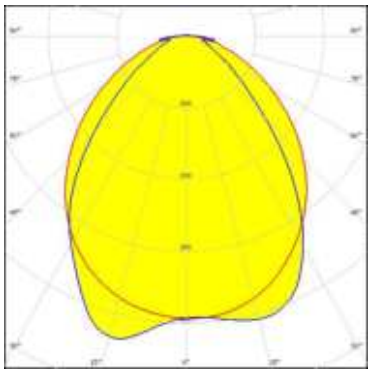




Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030
FWHM / FWTM	103.0 + 86.0° / 156.0 + 151.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14353_FLORENCE-1R-CLIP-A	



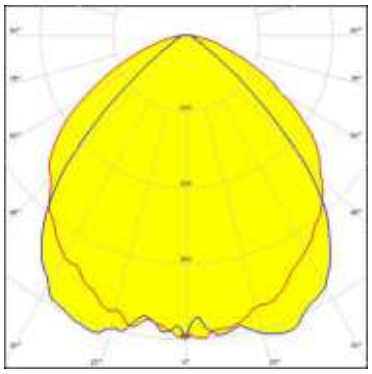
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

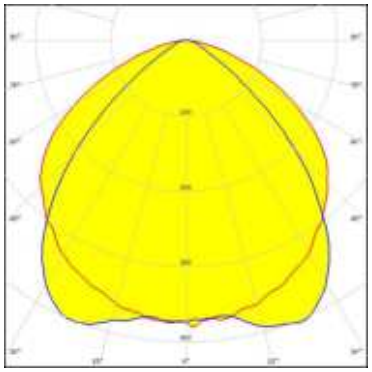
LED	LUXEON 2835 Architectural
FWHM / FWTM	90.0 + 111.0° / 114.0 + 152.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

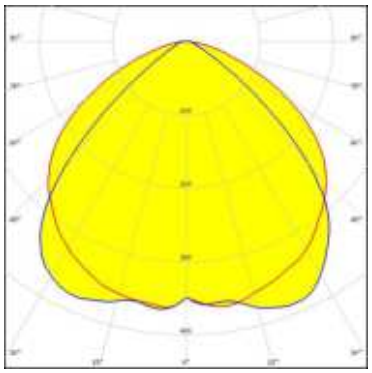
LED	LUXEON 5050 Round LES
FWHM / FWTM	91.0 + 111.0° / 120.0 + 153.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

LED	Duris E 2835
FWHM / FWTM	94.0 + 106.0° / 120.0 + 150.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



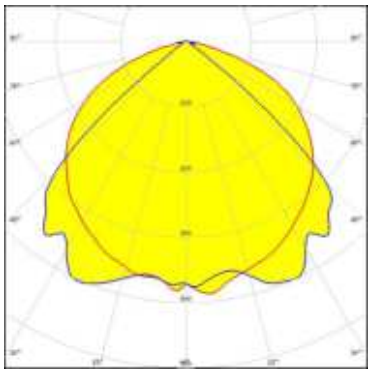
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

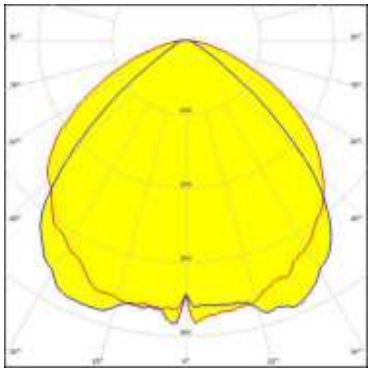
LED	OSCONIQ C 2424 Gen1
FWHM / FWTM	117.0 + 96.0° / 152.0 + 106.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	112.0 + 94.0° / 154.0 + 119.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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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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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