FLORENCE-3R-IP-Z90

~90° wide beam

SPECIFICATION:

Dimensions	321.0 x 79.0
Height	9.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLORENCE-3R-IP-Z90	Linear lens	PC	clear		
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FS15626_FLORENCE-3R-IP-Z90 » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4	11.6

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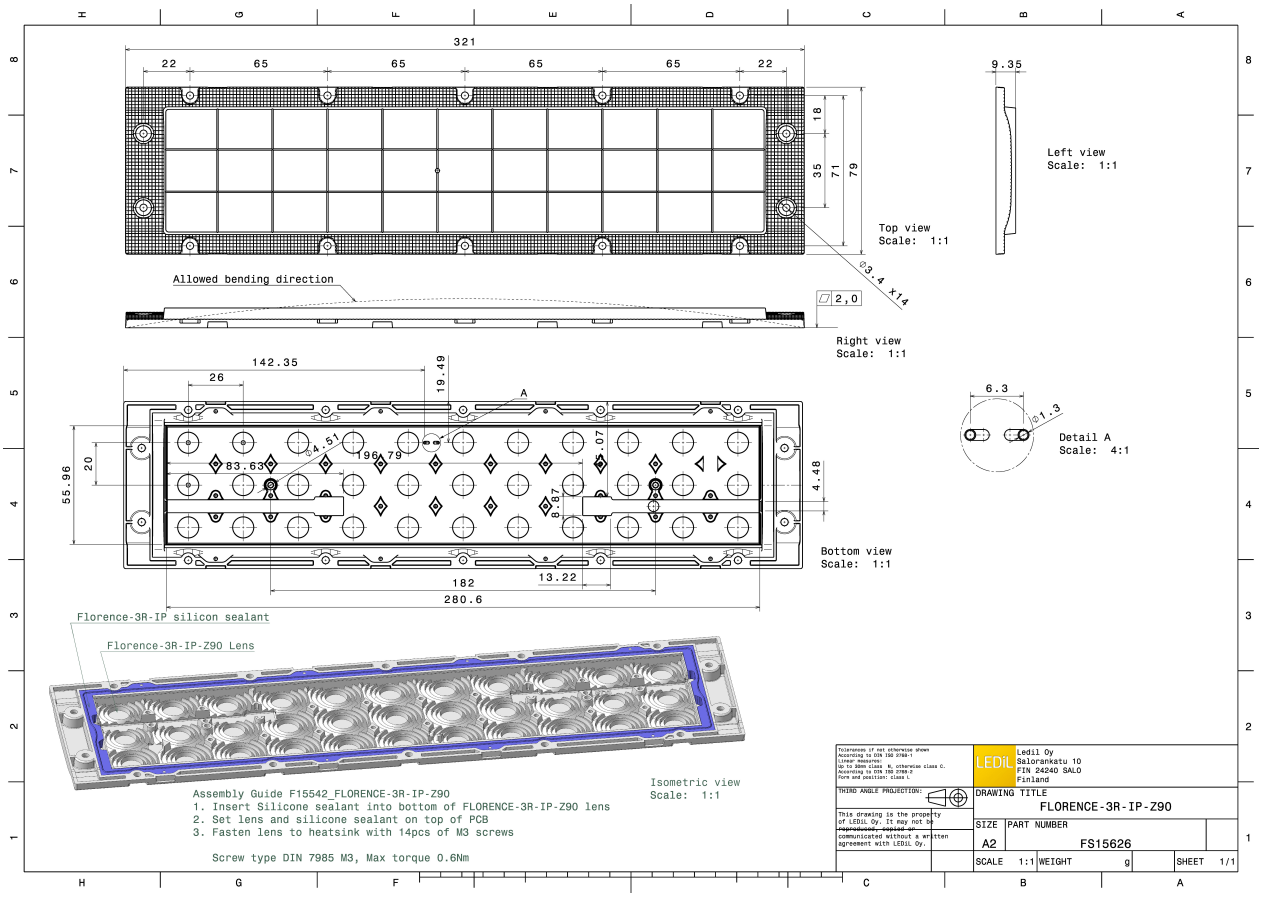

See also our general installation guide: www.ledil.com/installation_guide

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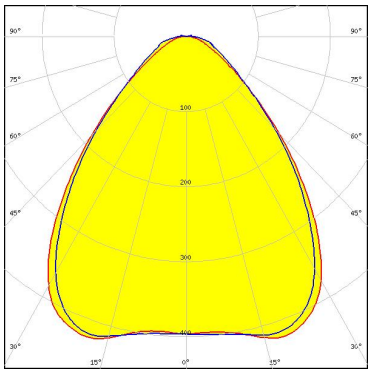
OPTICAL RESULTS (MEASURED):

LUMILEDS

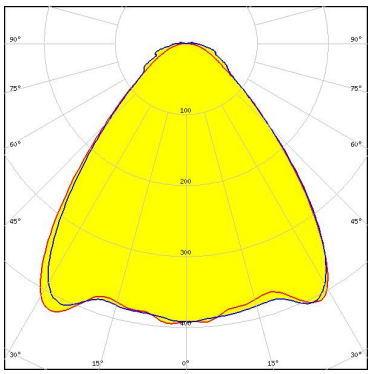
LED	LUXEON 5050 Round LES
FWHM / FWTM	87.0° / 136.0°
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

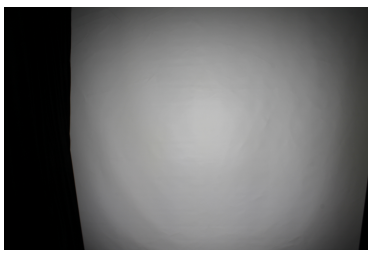
LED	SST-10-B130
FWHM / FWTM	84.0° / 129.0 + 151.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	Deep Red
Required components:	

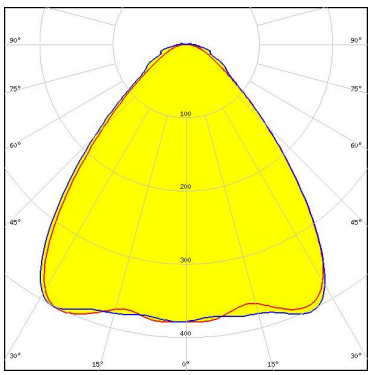


Light distribution files

MST Your solutions

LED	LinLED 280x55mm 1100lm 840 3x11 33V Opt G2
FWHM / FWTM	83.5 + 85.0° / 124.0 + 134.0°
Efficiency	84 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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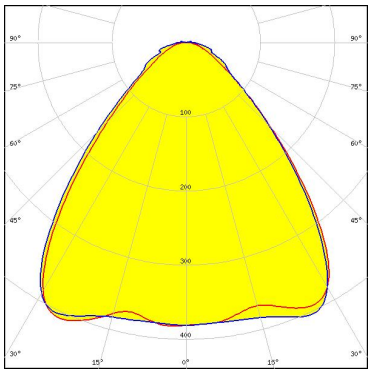
OPTICAL RESULTS (MEASURED):

MST | Your solutions

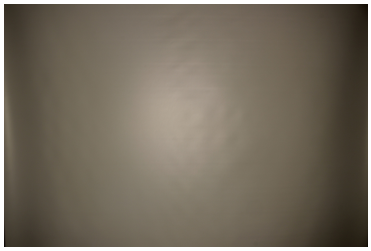
LED	LinLED 280x55mm 2000lm 830 33V Opt G1
FWHM / FWTM	83.0 + 84.5° / 124.0 + 134.5°
Efficiency	84 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

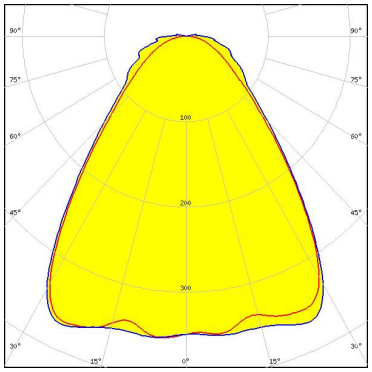


Light distribution files

OSRAM
Opto Semiconductors

LED	Duris S2
FWHM / FWTM	82.0° / 154.0°
Efficiency	82 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

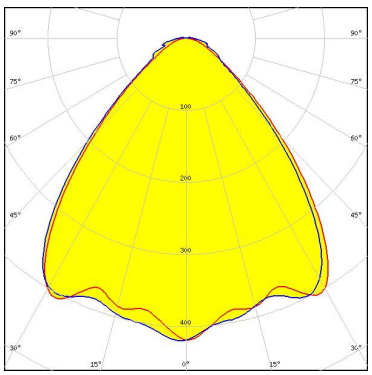




Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	89.0° / 131.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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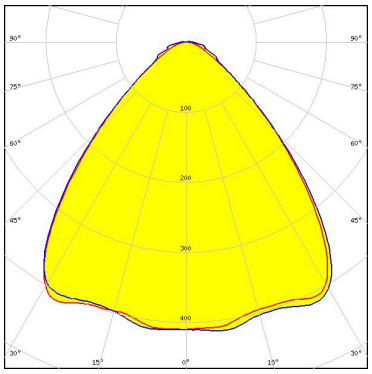
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

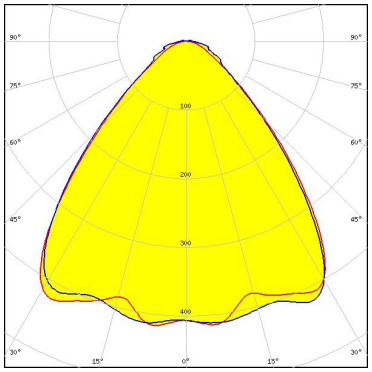
LED	SEOUL 5630C
FWHM / FWTM	87.0° / 127.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

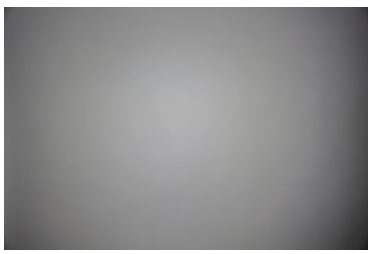
LED	SEOUL DC 3030
FWHM / FWTM	86.0° / 123.0 + 134.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

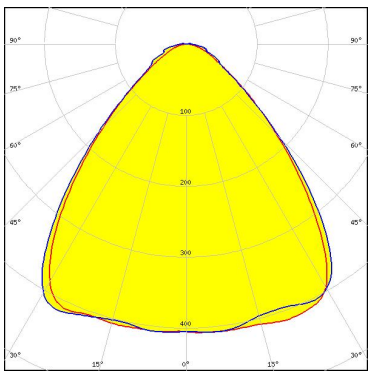


Light distribution files

TRIDONIC

LED	LLE G2 55x280mm 2000lm
FWHM / FWTM	86.0° / 130.0°
Efficiency	88 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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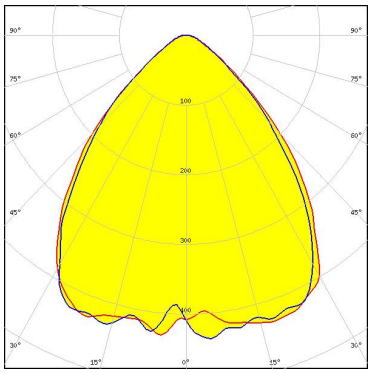
OPTICAL RESULTS (SIMULATED):

bridgelux

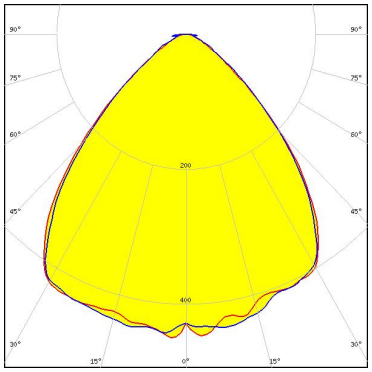
LED	Bridgelux SMD 5050
FWHM / FWTM	86.0° / 121.0°
Efficiency	84 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

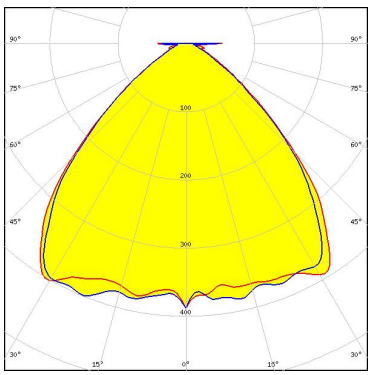
LED	XP-E
FWHM / FWTM	89.0° / 124.0°
Efficiency	91 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	95.0° / 124.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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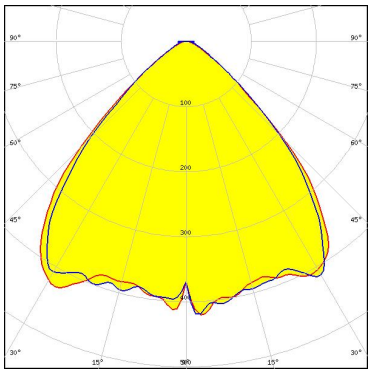
OPTICAL RESULTS (SIMULATED):

LUMILEDS

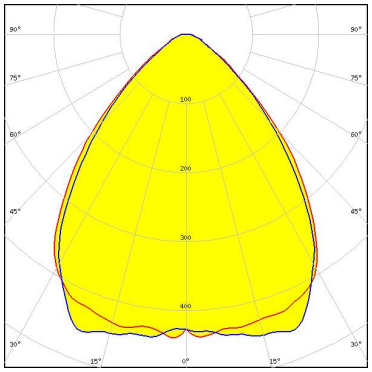
LED	LUXEON CZ
FWHM / FWTM	92.0° / 120.0°
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

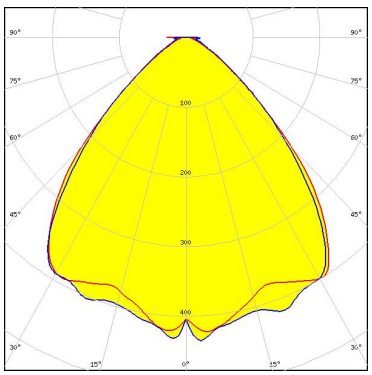
LED	NF2x757G
FWHM / FWTM	88.0 + 82.0° / 122.0 + 120.0°
Efficiency	85 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	89.0° / 123.0°
Efficiency	89 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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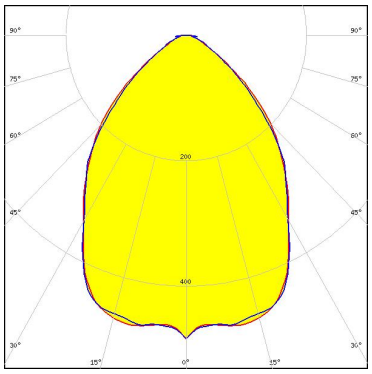
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

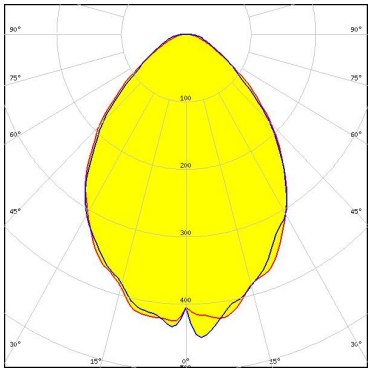
LED	Duris E 2835
FWHM / FWTM	81.0° / 122.0°
Efficiency	%
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

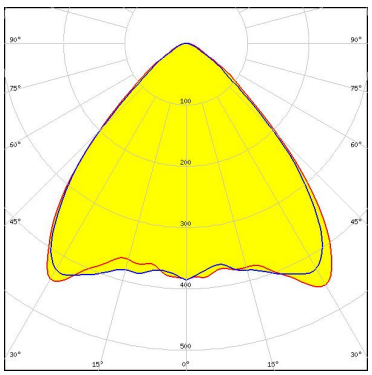
LED	Duris S10
FWHM / FWTM	82.0° / 132.0°
Efficiency	78 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	89.0° / 118.0°
Efficiency	90 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	Hyper Red
Required components:	



Light distribution files

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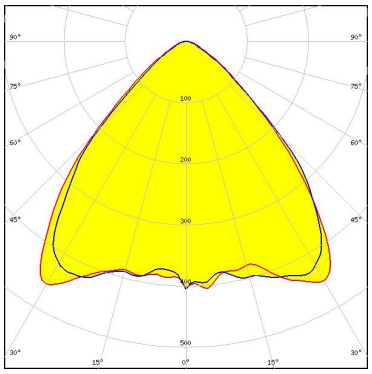
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

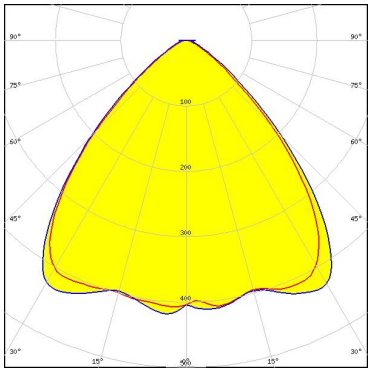
LED	OSCONIQ P 3030
FWHM / FWTM	89.0° / 119.0°
Efficiency	90 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

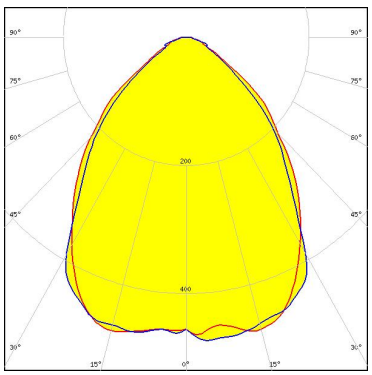
LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	90.0° / 121.0°
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	84.0° / 126.0°
Efficiency	90 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



Light distribution files

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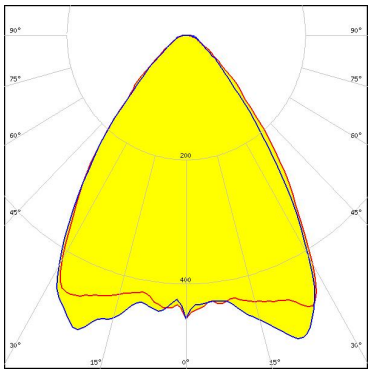
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LM302Z
FWHM / FWTM	78.0° / 123.0°
Efficiency	91 %
Peak intensity	0.5 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.

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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