FLORENTINA-HLD-W

~40° wide beam



TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	screw
ROHS compliant	yes

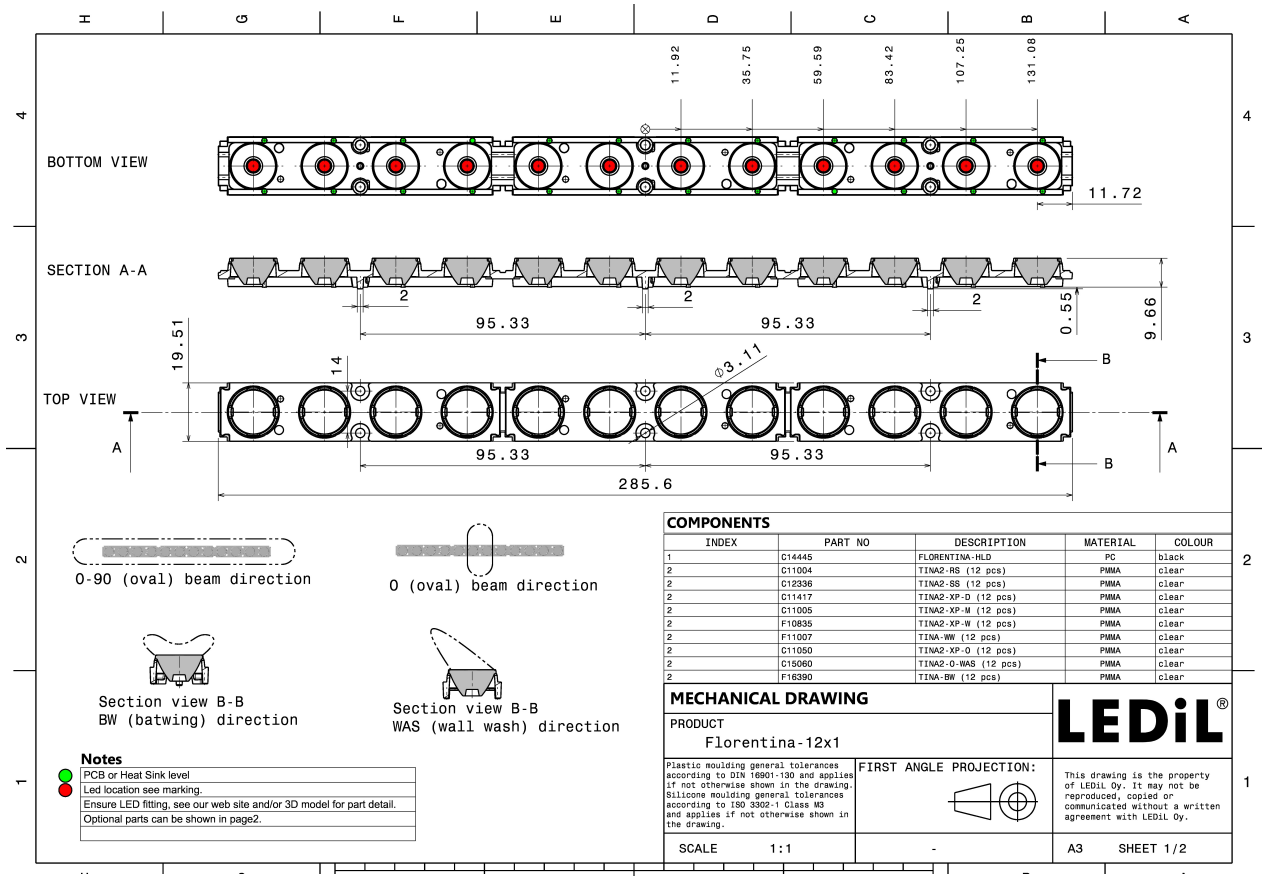
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-XP-W	Single lens	PMMA	clear	
FLORENTINA-HLD	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP14997_FLORENTINA-HLD-W » Box size: 398 x 298 x 140 mm	Single lens	160	32	16	5.2

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COMPONENTS

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14445	FLORENTINA-HLD	PC	black
2	C11004	TINA2-RS (12 pcs)	PMMA	clear
2	C12336	TINA2-SS (12 pcs)	PMMA	clear
2	C11417	TINA2-XP-D (12 pcs)	PMMA	clear
2	C11005	TINA2-XP-M (12 pcs)	PMMA	clear
2	F10835	TINA2-XP-W (12 pcs)	PMMA	clear
2	F11007	TINA-WW (12 pcs)	PMMA	clear
2	C11050	TINA2-XP-O (12 pcs)	PMMA	clear
2	C15060	TINA2-O-WAS (12 pcs)	PMMA	clear
2	F16390	TINA-BW (12 pcs)	PMMA	clear

MECHANICAL DRAWING

PRODUCT
Florentina-12x1

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

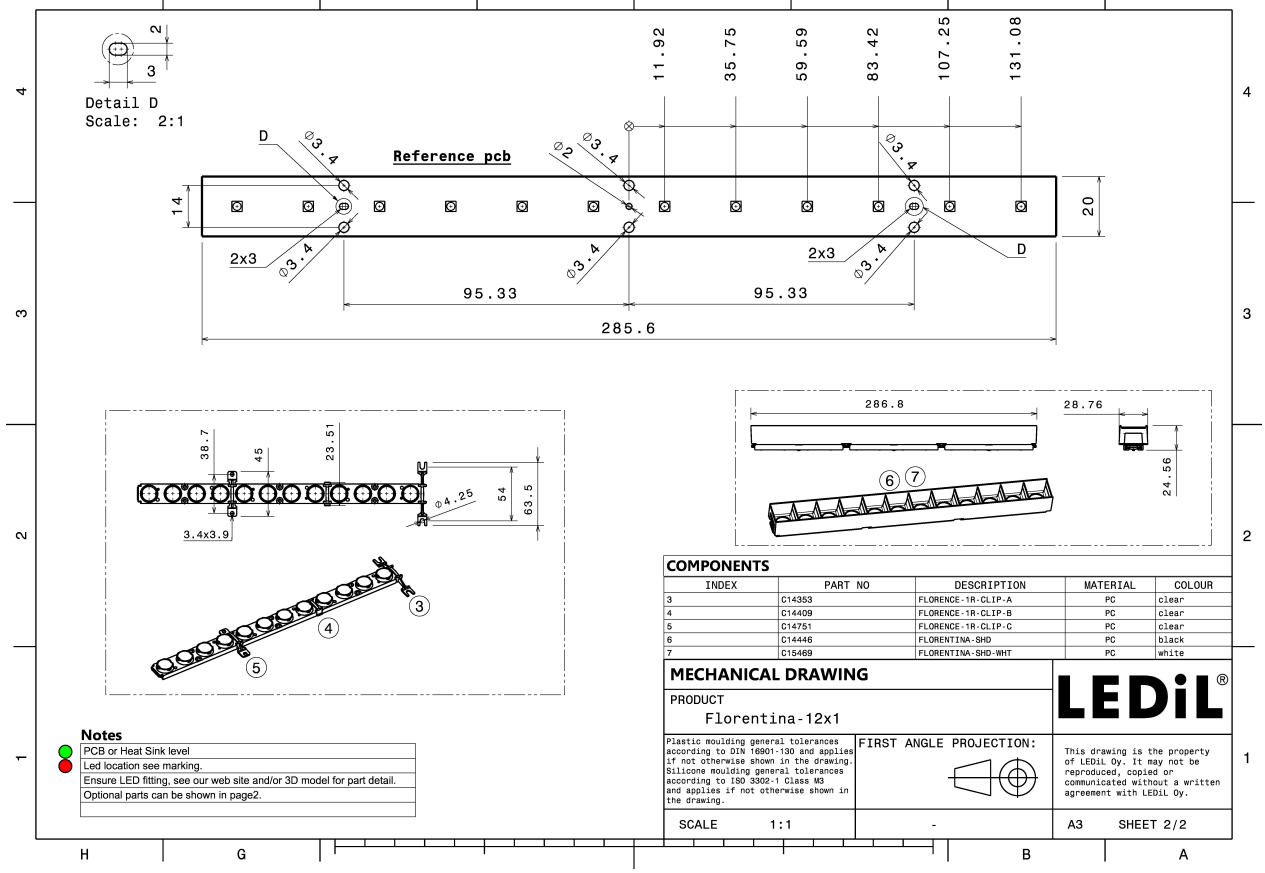
FIRST ANGLE PROJECTION:

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SCALE 1:1 | - | A3 SHEET 1/2

Notes

PCB or Heat Sink level
Led location see marking.
Ensure LED fitting, see our web site and/or 3D model for part detail.
Optional parts can be shown in page2.



COMPONENTS

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
3	C14353	FLORENCE-1R-CLIP-A	PC	clear
4	C14409	FLORENCE-1R-CLIP-B	PC	clear
5	C14751	FLORENCE-1R-CLIP-C	PC	clear
6	C14446	FLORENTINA-SHD	PC	black
7	C15469	FLORENTINA-SHD-WHT	PC	white

MECHANICAL DRAWING

PRODUCT
Florentina-12x1

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 1:1 | - | A3 SHEET 2/2

Notes

PCB or Heat Sink level
Led location see marking.
Ensure LED fitting, see our web site and/or 3D model for part detail.
Optional parts can be shown in page2.

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

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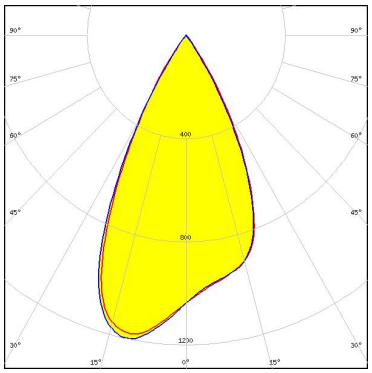
PHOTOMETRIC DATA (MEASURED):

COMET ELECTRONICS

LED	QUICK FLUX LED FL-XG 1x12 xxx
FWHM / FWTM	51.0° / 69.0°
Efficiency	80 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD



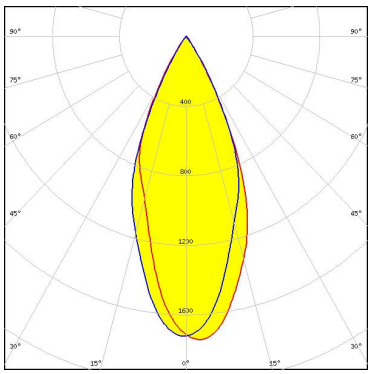


CREE LED

LED	XP-E2
FWHM / FWTM	42.0° / 66.0°
Efficiency	84 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD



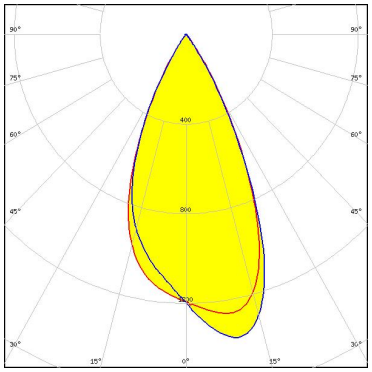


CREE LED

LED	XP-G3
FWHM / FWTM	47.0° / 67.0°
Efficiency	79 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD

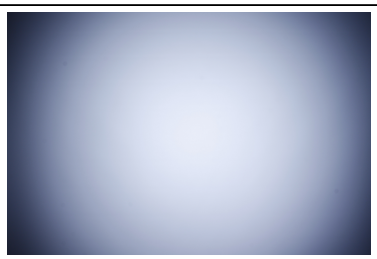


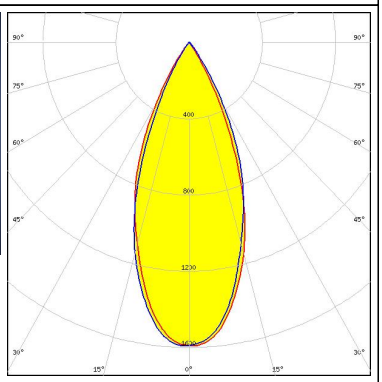


LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	43.0° / 67.0°
Efficiency	81 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD





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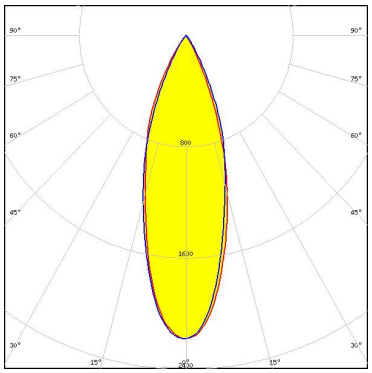
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON Rebel Plus
FWHM / FWTM	33.0° / 61.0°
Efficiency	83 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD



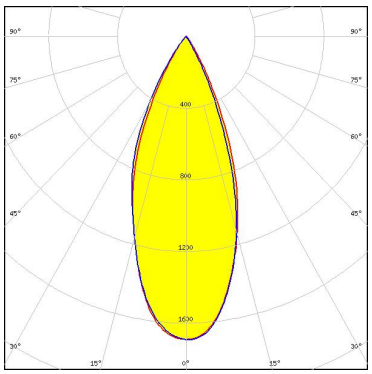


LUMILEDS

LED	LUXEON TX
FWHM / FWTM	41.0° / 66.0°
Efficiency	82 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD

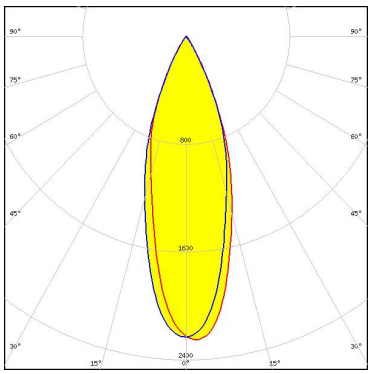




LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	33.0° / 60.0°
Efficiency	84 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD

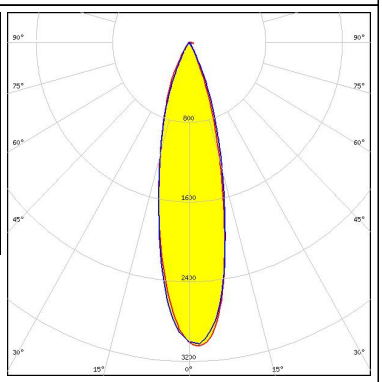


NICHIA

LED	NCSxE17A
FWHM / FWTM	26.0° / 52.0°
Efficiency	81 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD





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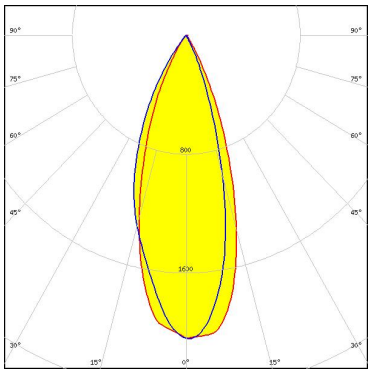
PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NF2x757G
FWHM / FWTM	36.0° / 60.0°
Efficiency	84 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD

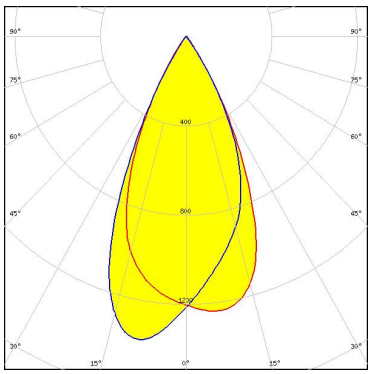




NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	48.0° / 69.0°
Efficiency	79 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD

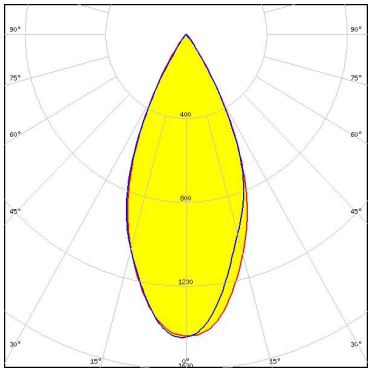


OSRAM Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	46.0° / 69.0°
Efficiency	80 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD

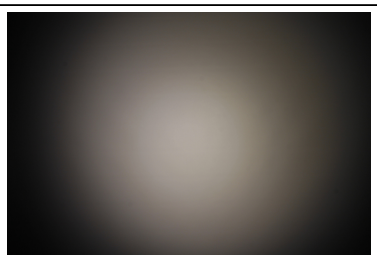


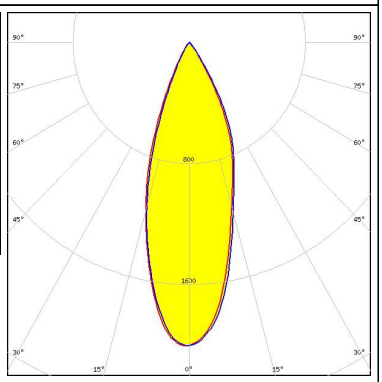


OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	34.0° / 62.0°
Efficiency	81 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD





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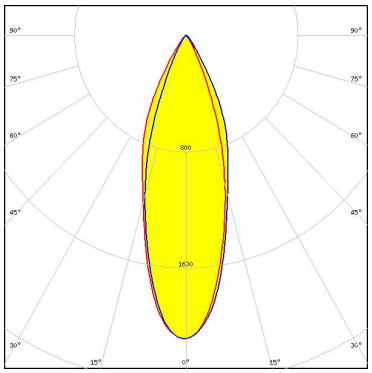
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	33.0° / 62.0°
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



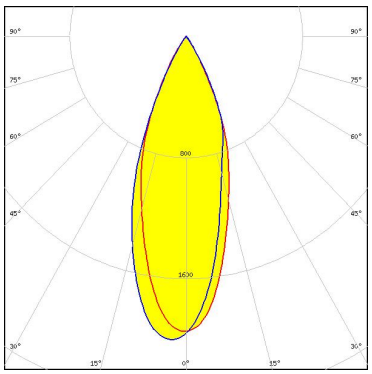


OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	35.0° / 63.0°
Efficiency	83 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD



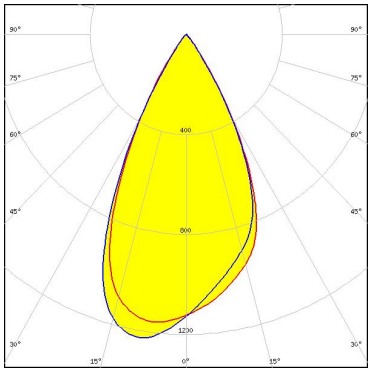


SAMSUNG

LED	LH351B
FWHM / FWTM	52.0° / 72.0°
Efficiency	82 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD



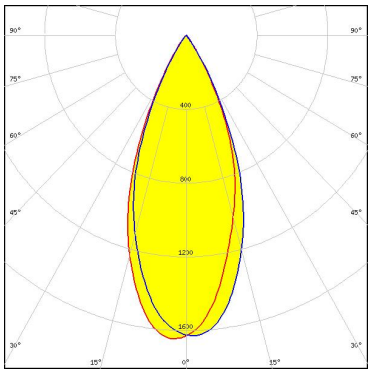


TOSHIBA
Leading Innovation

LED	TL1L4
FWHM / FWTM	42.0° / 66.0°
Efficiency	82 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD





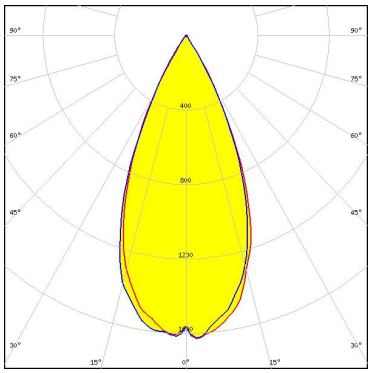
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PHOTOMETRIC DATA (SIMULATED):

CREE LED

LED	XP-G2 HE
FWHM / FWTM	46.0° / 66.0°
Efficiency	90 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

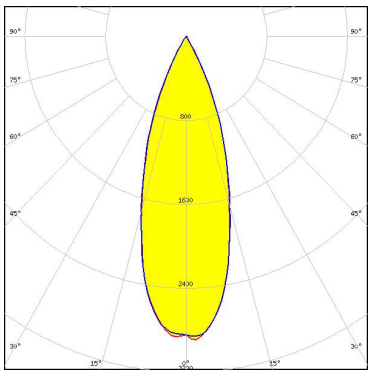
Required components:
C14446_FLORENTINA-SHD



NICHIA

LED	NVSxE21A
FWHM / FWTM	34.0° / 57.0°
Efficiency	94 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

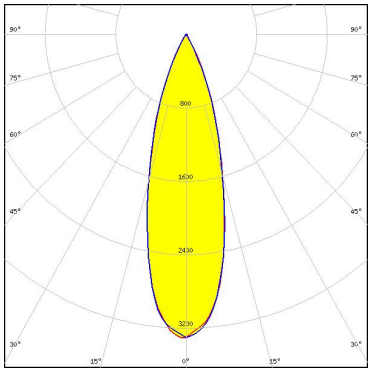
Required components:
C14446_FLORENTINA-SHD



NICHIA

LED	NVSxE21A
FWHM / FWTM	30.0° / 54.0°
Efficiency	94 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

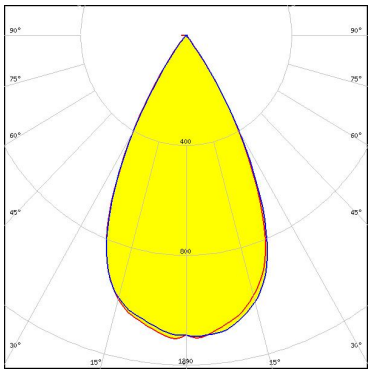
Required components:



NICHIA

LED	NWSx229A
FWHM / FWTM	53.0° / 73.0°
Efficiency	82 %
LEDs/each optic	1
Light colour	White

Required components:
C14446_FLORENTINA-SHD



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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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