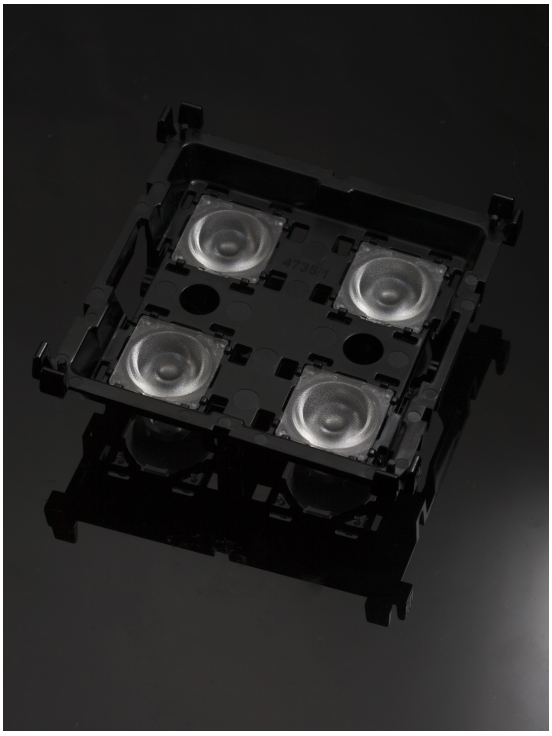
FLORENTINA-2X2-MRK-W

~50° wide beam. Compatible with ultra high power LEDs.



TECHNICAL SPECIFICATIONS:

Dimensions	89.7 mm
Height	17.7 mm
Fastening	pin, screw
Colour	black
Box size	476 x 273 x 292 mm
Box weight	4.3 kg
Quantity in Box	88 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
ROSE-MRK-W	Single lens	PC	clear
FLORENTINA-2X2-HLD	Holder	PC	black

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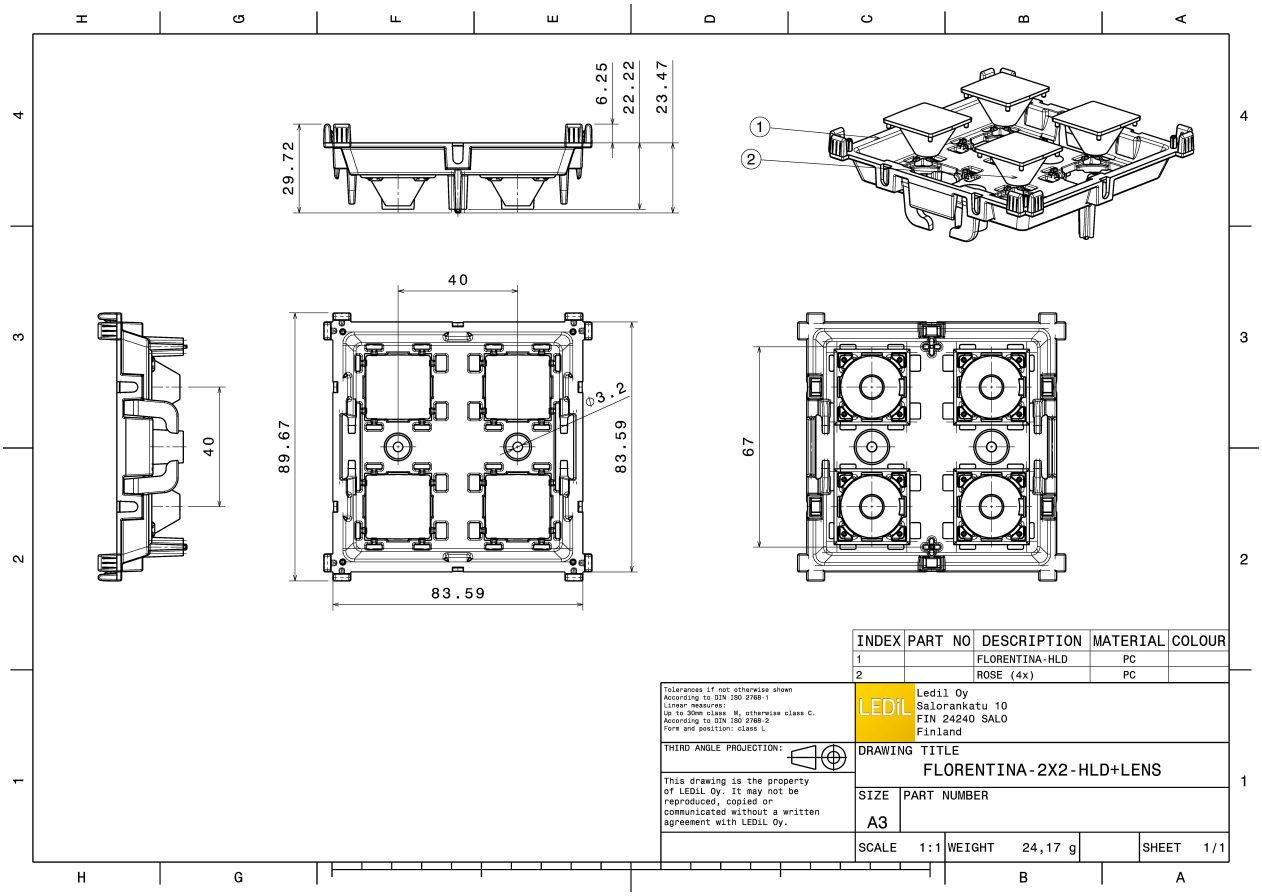

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		FLORENTINA-HLD	PC	
2		ROSE (4x)	PC	

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class m, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
FLORENTINA-2X2-HLD+LENS

SIZE A3 | PART NUMBER

SCALE 1:1 | WEIGHT 24,17 g | SHEET 1/1

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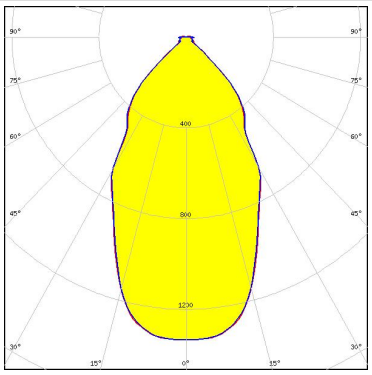
PHOTOMETRIC DATA (MEASURED):

CREE

LED	XHP35 HD
FWHM	58.0°
Efficiency	78 %
Peak intensity	0.690 cd/lm
LEDs/each optic	1
Light colour	White

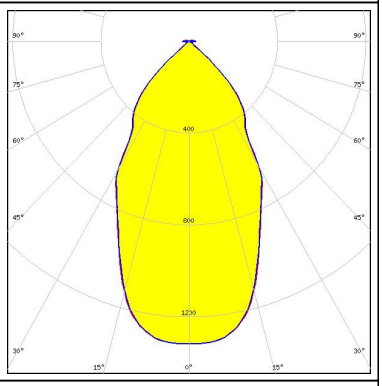
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



CREE

LED	XHP35 HD
FWHM	57.0°
Efficiency	72 %
Peak intensity	0.680 cd/lm
LEDs/each optic	1
Light colour	White

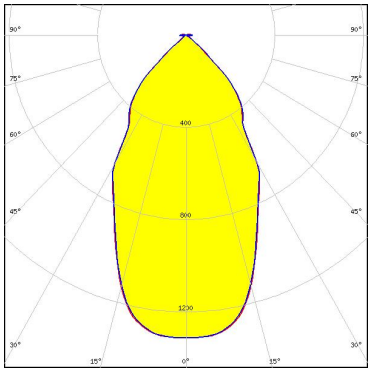
Required components:
C14734_FLORENTINA-2X2-SHD



CREE

LED	XHP35 HD
FWHM	57.0°
Efficiency	72 %
Peak intensity	0.680 cd/lm
LEDs/each optic	1
Light colour	White

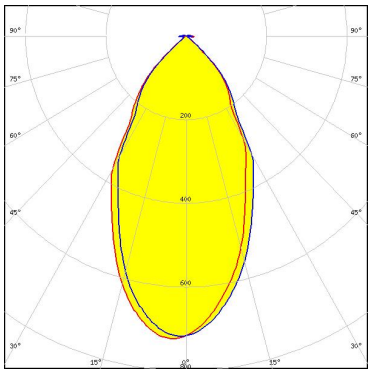
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



CREE

LED	XHP50
FWHM	54.0°
Efficiency	71 %
Peak intensity	0.730 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



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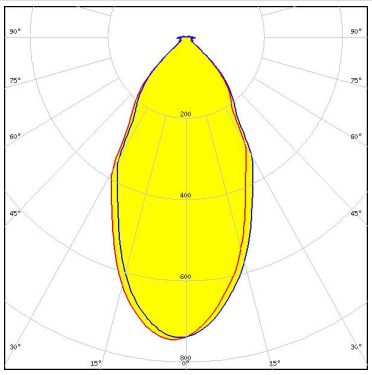
PHOTOMETRIC DATA (MEASURED):

CREE

LED	XHP50
FWHM	54.0°
Efficiency	77 %
Peak intensity	0.750 cd/lm
LEDs/each optic	1
Light colour	White

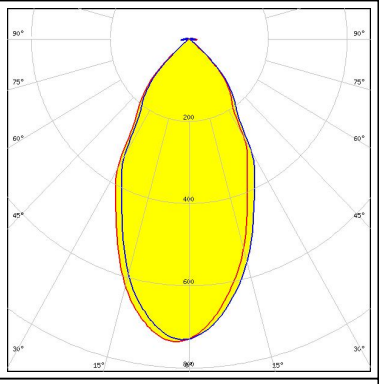
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



CREE

LED	XHP50
FWHM	53.0°
Efficiency	71 %
Peak intensity	0.740 cd/lm
LEDs/each optic	1
Light colour	White

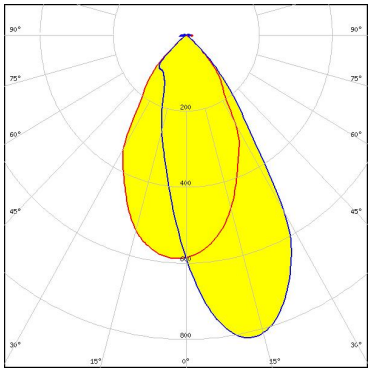
Required components:
C14734_FLORENTINA-2X2-SHD



CREE

LED	XHP70
FWHM	61.0°
Efficiency	66 %
Peak intensity	0.820 cd/lm
LEDs/each optic	1
Light colour	White

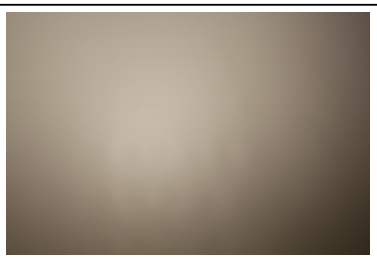
Required components:
C14734_FLORENTINA-2X2-SHD

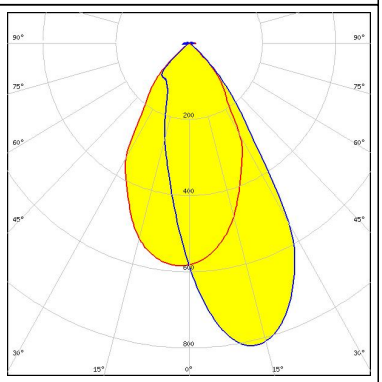


CREE

LED	XHP70
FWHM	61.0°
Efficiency	66 %
Peak intensity	0.820 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



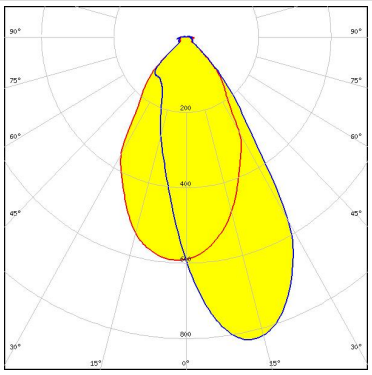


PHOTOMETRIC DATA (MEASURED):

CREE

LED	XHP70
FWHM	63.0°
Efficiency	74 %
Peak intensity	0.830 cd/lm
LEDs/each optic	1
Light colour	White

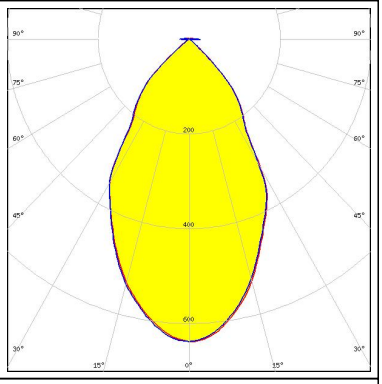
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



LG Innotek

LED	H70E0
FWHM	61.0°
Efficiency	69 %
Peak intensity	0.640 cd/lm
LEDs/each optic	1
Light colour	White

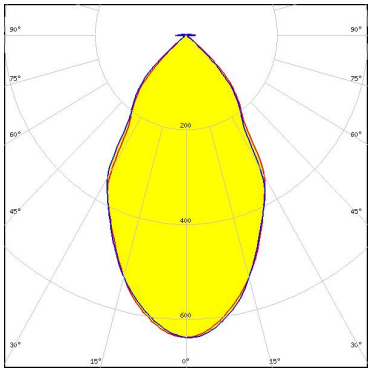
Required components:
C14734_FLORENTINA-2X2-SHD



LG Innotek

LED	H70E0
FWHM	61.0°
Efficiency	69 %
Peak intensity	0.640 cd/lm
LEDs/each optic	1
Light colour	White

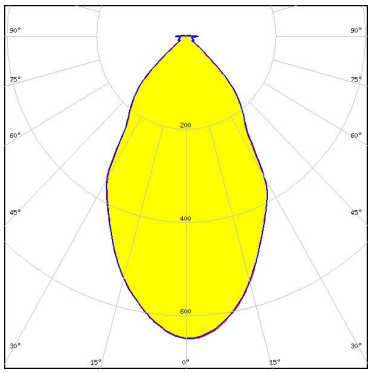
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



LG Innotek

LED	H70E0
FWHM	62.0°
Efficiency	76 %
Peak intensity	0.650 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14960_FLORENTINA-2X2-SHD-WHT

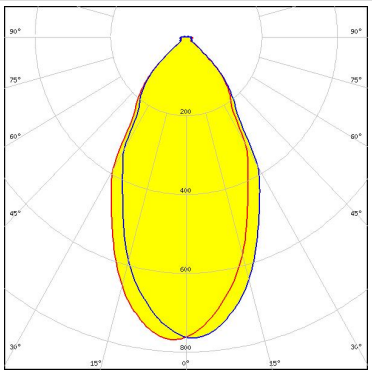


PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON M/MX
FWHM	55.0°
Efficiency	78 %
Peak intensity	0.770 cd/lm
LEDs/each optic	1
Light colour	White

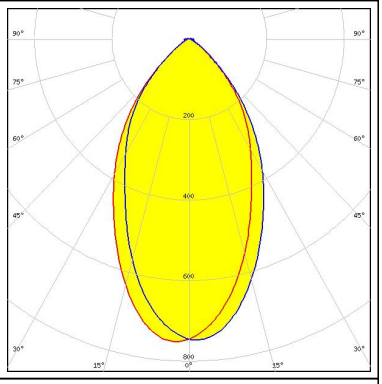
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



LUMILEDS

LED	LUXEON M/MX
FWHM	56.0°
Efficiency	81 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White

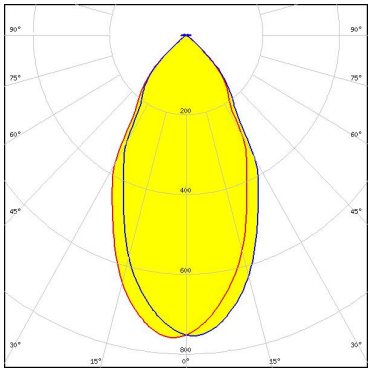
Required components:



LUMILEDS

LED	LUXEON M/MX
FWHM	54.0°
Efficiency	71 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White

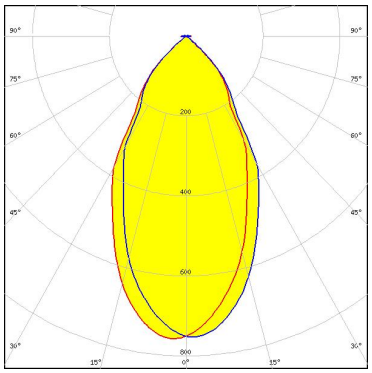
Required components:
C14734_FLORENTINA-2X2-SHD



LUMILEDS

LED	LUXEON M/MX
FWHM	55.0°
Efficiency	71 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



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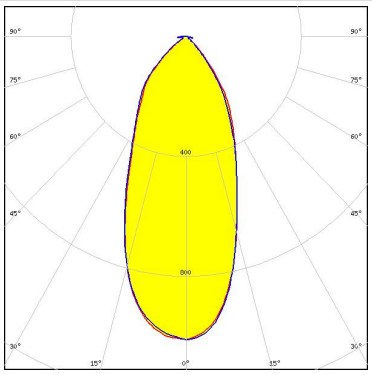
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON MZ
FWHM	44.0°
Efficiency	80 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

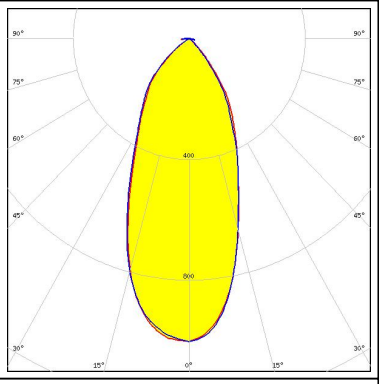
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



LUMILEDS

LED	LUXEON MZ
FWHM	43.0°
Efficiency	78 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

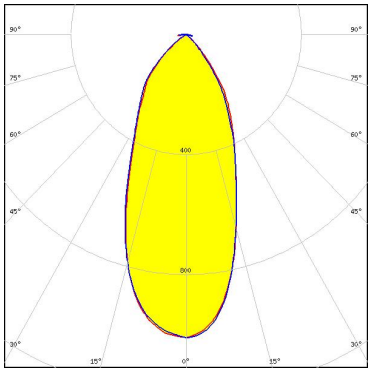
Required components:
C14734_FLORENTINA-2X2-SHD



LUMILEDS

LED	LUXEON MZ
FWHM	43.0°
Efficiency	75 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White

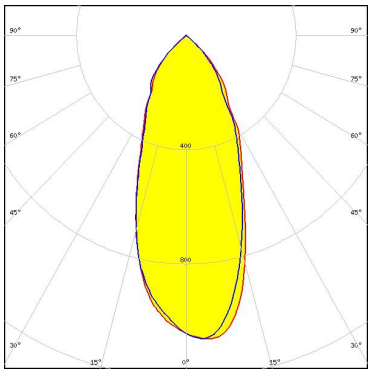
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



NICHIA

LED	NF2x757G
FWHM	42.0°
Efficiency	76 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14960_FLORENTINA-2X2-SHD-WHT



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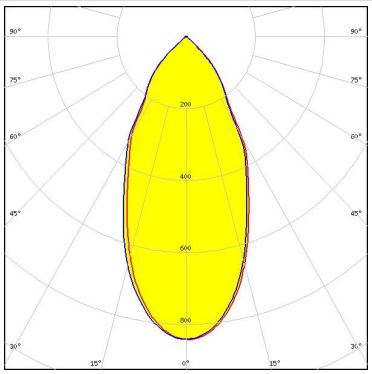
PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED	OSCONIQ P 7070
FWHM	49.0°
Efficiency	68 %
Peak intensity	0.840 cd/lm
LEDs/each optic	1
Light colour	White

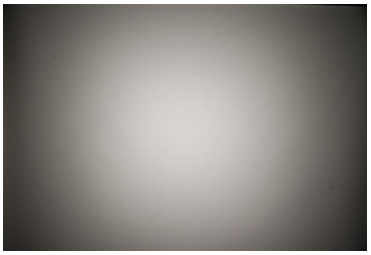
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN

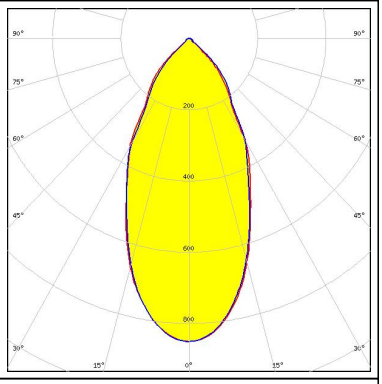


OSRAM Opto Semiconductors

LED	OSCONIQ P 7070
FWHM	50.0°
Efficiency	74 %
Peak intensity	0.850 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14960_FLORENTINA-2X2-SHD-WHT

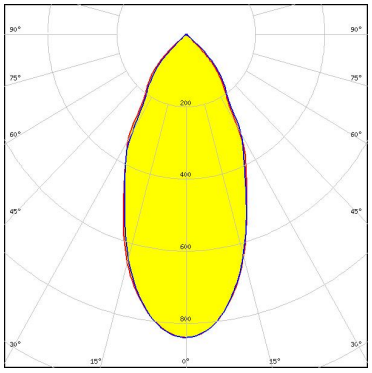




OSRAM Opto Semiconductors

LED	OSCONIQ P 7070
FWHM	49.0°
Efficiency	68 %
Peak intensity	0.840 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14734_FLORENTINA-2X2-SHD



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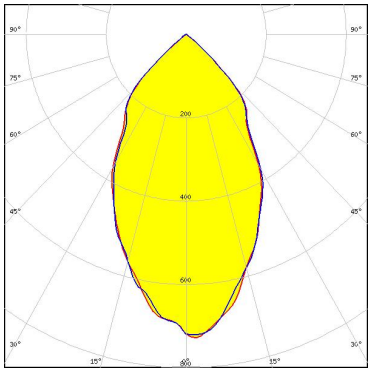
PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NV4x144A
FWHM	60.0°
Efficiency	77 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White

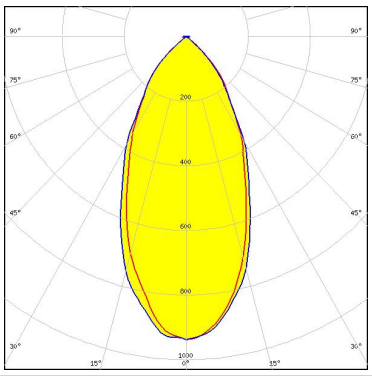
Required components:
C14734_FLORENTINA-2X2-SHD



OSRAM
Opto Semiconductors

LED	Duris S8
FWHM	50.0°
Efficiency	81 %
Peak intensity	0.950 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14734_FLORENTINA-2X2-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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Hong Kong, China

Distribution Partners
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where_to_buy

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