HEIDI-W

~30° wide beam optimized for LUXEON Rebel ES

SPECIFICATION:

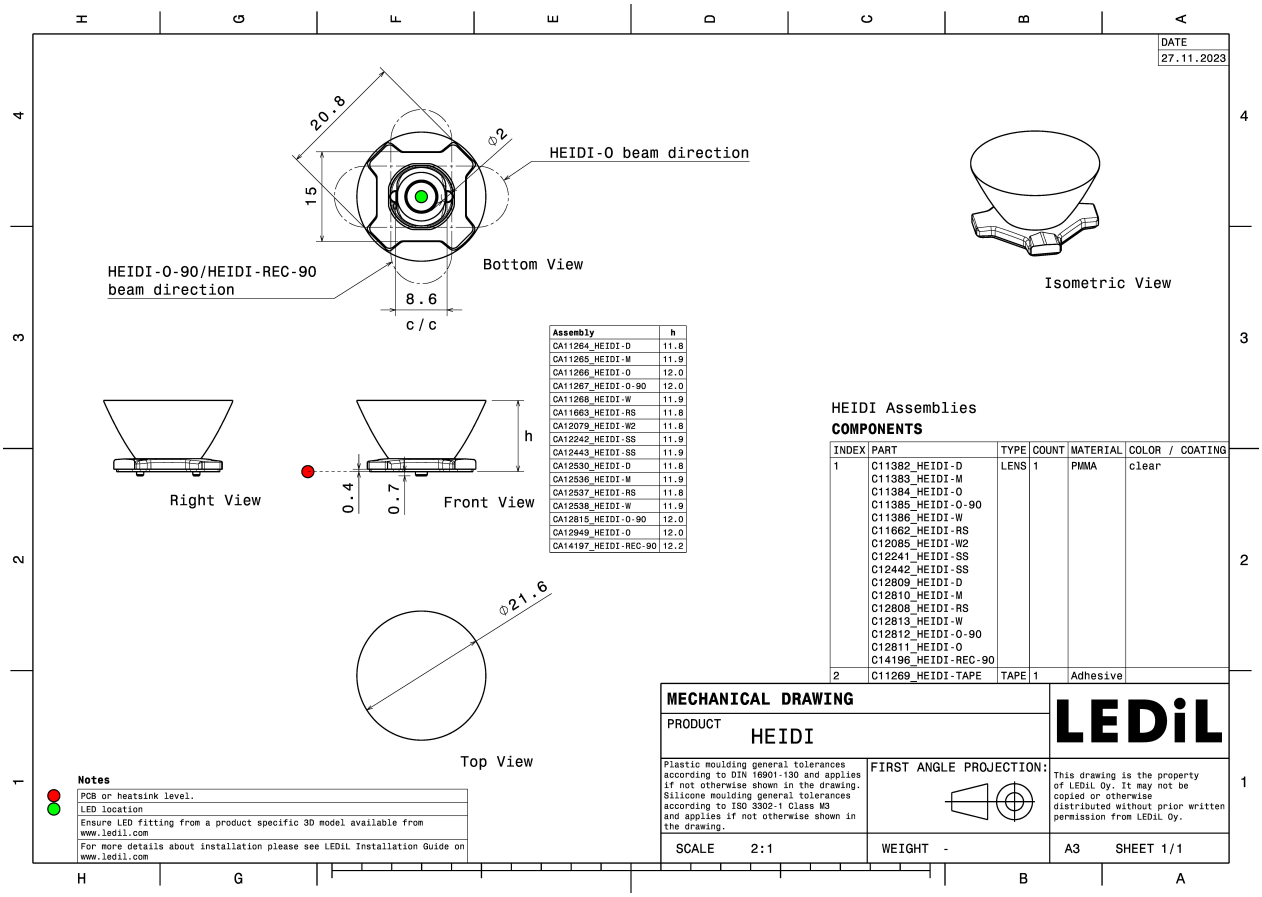
Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
HEIDI-W	Single lens	PMMA	clear		21.6
HEIDI-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12538_HEIDI-W » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204	11.1



Assembly	h
CA11264_HEIDI-D	11.8
CA11265_HEIDI-M	11.9
CA11266_HEIDI-O	12.0
CA11267_HEIDI-O-90	12.0
CA11268_HEIDI-W	11.9
CA11663_HEIDI-RS	11.8
CA12079_HEIDI-W2	11.8
CA12242_HEIDI-SS	11.9
CA12443_HEIDI-SS	11.9
CA12530_HEIDI-D	11.8
CA12536_HEIDI-M	11.9
CA12537_HEIDI-RS	11.8
CA12538_HEIDI-W	11.9
CA12815_HEIDI-O-90	12.0
CA12949_HEIDI-O	12.0
CA14197_HEIDI-REC-90	12.2

HEIDI Assemblies

COMPONENTS

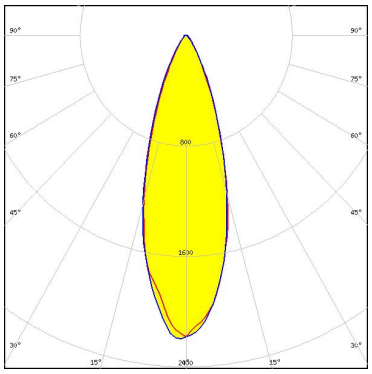
INDEX	PART	TYPE	COUNT	MATERIAL	COLOR / COATING
1	C11382_HEIDI-D C11383_HEIDI-M C11384_HEIDI-O C11385_HEIDI-O-90 C11386_HEIDI-W C11662_HEIDI-RS C12085_HEIDI-W2 C12241_HEIDI-SS C12442_HEIDI-SS C12809_HEIDI-D C12810_HEIDI-M C12808_HEIDI-RS C12813_HEIDI-W C12812_HEIDI-O-90 C12811_HEIDI-O C14196_HEIDI-REC-90	LENS	1	PMMA	clear
2	C11269_HEIDI-TAPE	TAPE	1	Adhesive	

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

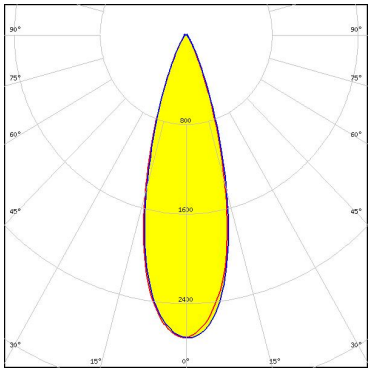
LED	XHP35 HD
FWHM / FWTM	32.0° / 62.0°
Efficiency	84 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

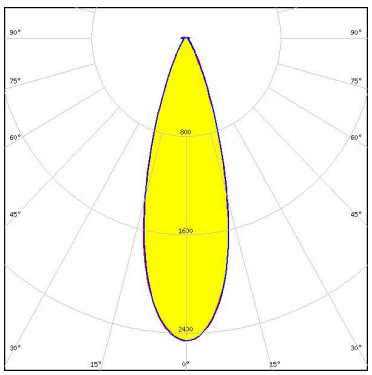
LED	XHP35 HI
FWHM / FWTM	31.0° / 54.0°
Efficiency	94 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	32.0° / 56.0°
Efficiency	94 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

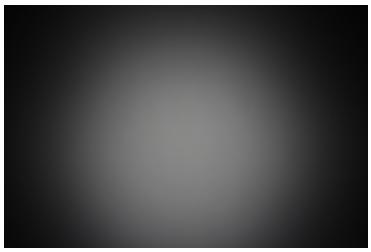


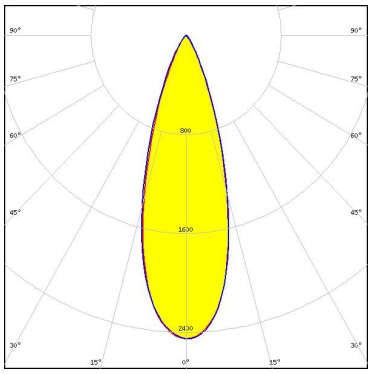
Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-L HD
FWHM / FWTM	33.0° / 57.0°
Efficiency	87 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

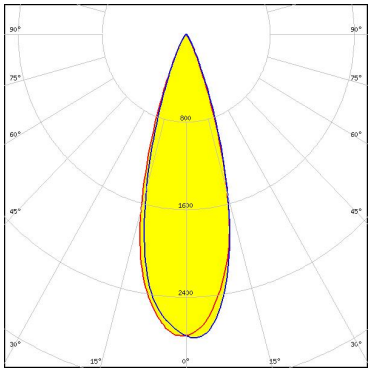




Light distribution files

LUMILEDS

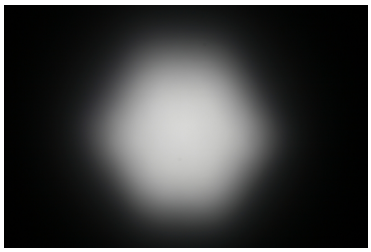
LED	LUXEON Rebel
FWHM / FWTM	32.0° / 51.0°
Efficiency	87 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	32.0° / 54.0°
Efficiency	87 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

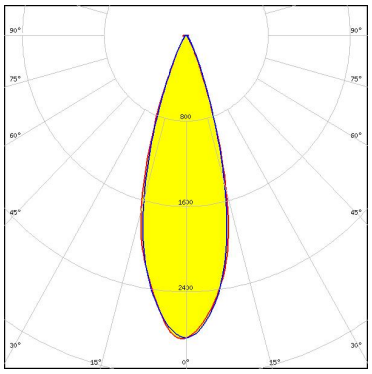


Light distribution files

OPTICAL RESULTS (MEASURED):

LUMINUS

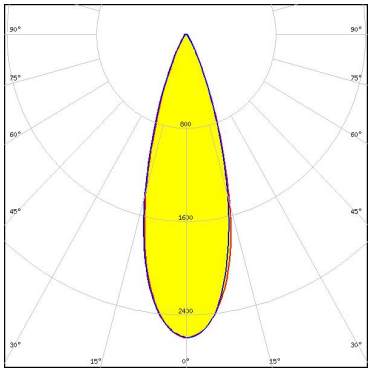
LED	SST-10-B130
FWHM / FWTM	33.0° / 51.0°
Efficiency	93 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

NICHIA

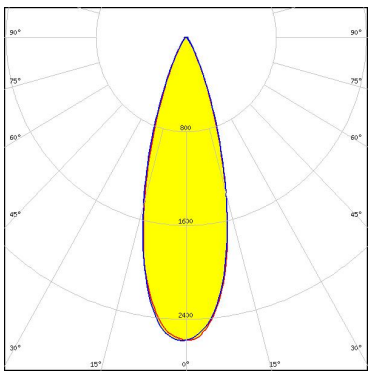
LED	NVSW219D
FWHM / FWTM	32.0° / 54.0°
Efficiency	94 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSW319B
FWHM / FWTM	32.0° / 56.0°
Efficiency	94 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

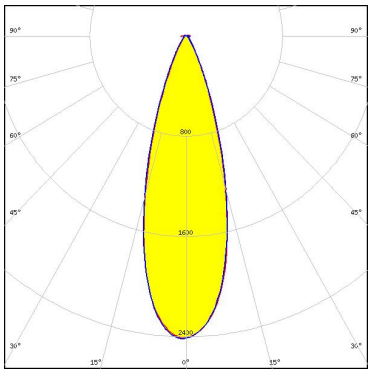


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

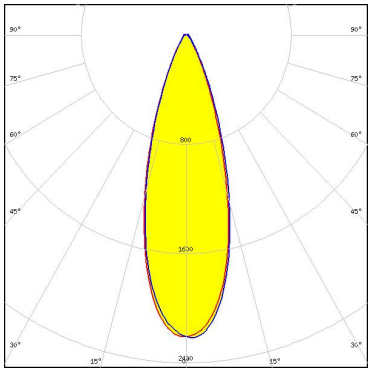
LED	NVSW3x9A
FWHM / FWTM	31.0° / 55.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

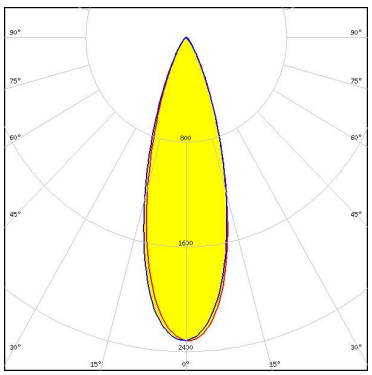
LED	NVSW519A
FWHM / FWTM	32.0° / 59.0°
Efficiency	91 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NWSx229A
FWHM / FWTM	31.0° / 57.0°
Efficiency	83 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

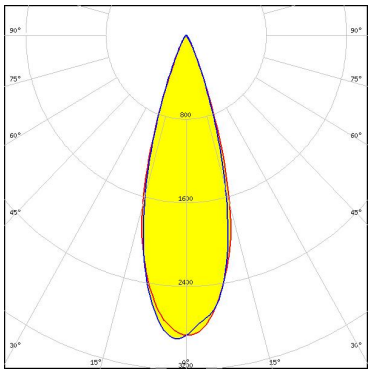


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

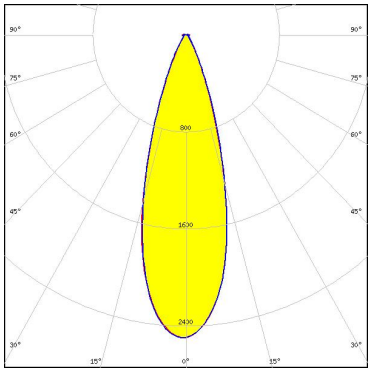
LED	OSLON SSL 150
FWHM / FWTM	32.0° / 49.0°
Efficiency	86 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

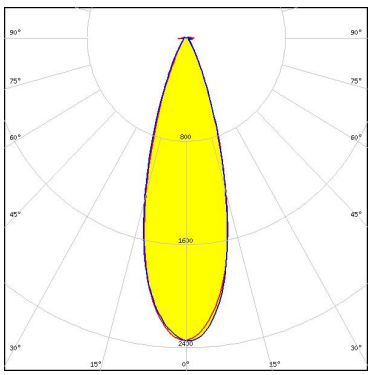
LED	Z5M3
FWHM / FWTM	32.0° / 56.0°
Efficiency	94 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	31.0° / 55.0°
Efficiency	92 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

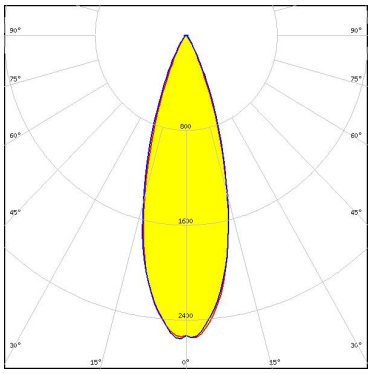


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

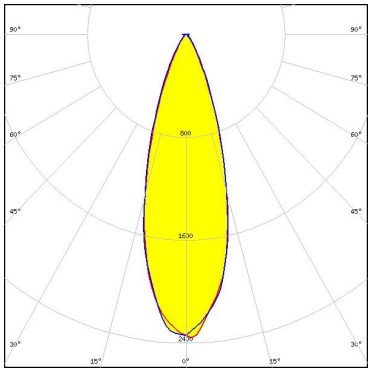
LED	XP-G2 HE
FWHM / FWTM	32.0° / 55.0°
Efficiency	93 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

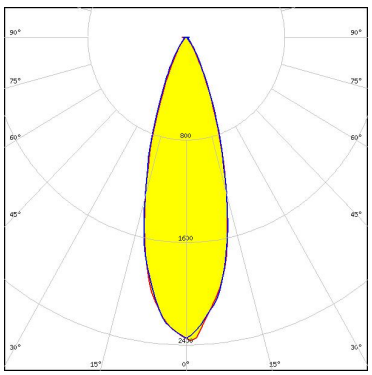
LED	XP-L2
FWHM / FWTM	32.0° / 59.0°
Efficiency	91 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-L2
FWHM / FWTM	32.0° / 59.0°
Efficiency	91 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (SIMULATED):

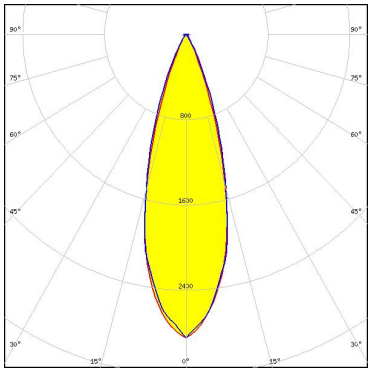
LUMILEDS

LED	LUXEON A
FWHM / FWTM	31.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	32.0° / 54.0°
Efficiency	93 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON IR Domed 150 (L1I0-0xxx150000000)
FWHM / FWTM	31.0° / 50.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON IR Domed 90 (L1I0-0xxx090000000)
FWHM / FWTM	31.0° / 52.0°
Efficiency	94 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

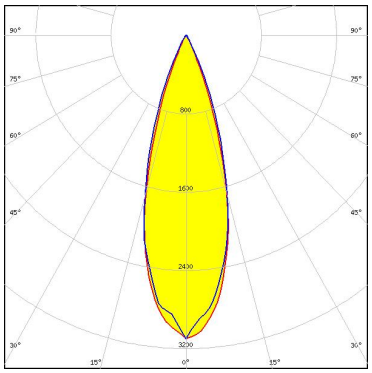
LUMILEDS

LED	LUXEON R
FWHM / FWTM	32.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS

LED	LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM	31.0° / 52.0°
Efficiency	95 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

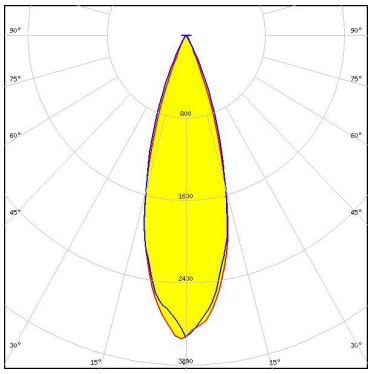


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

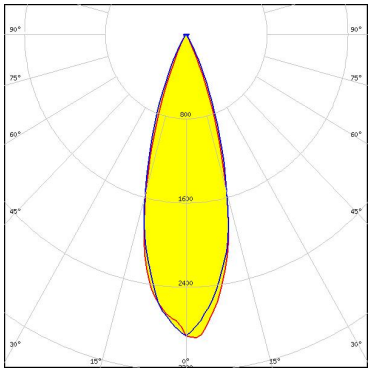
LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	31.0° / 51.0°
Efficiency	92 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

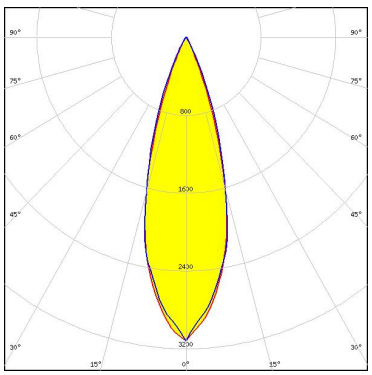
LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	31.0° / 52.0°
Efficiency	91 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

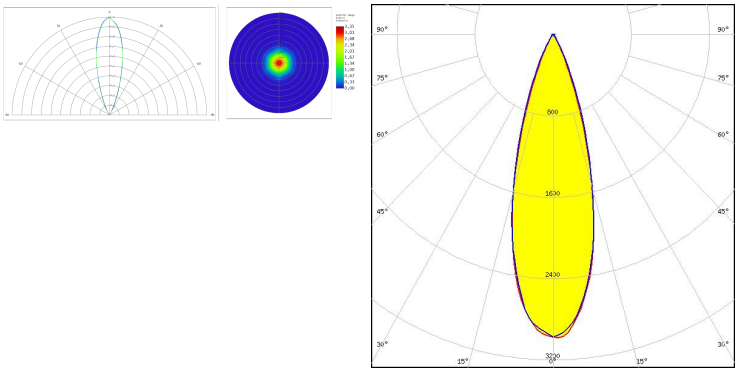
LED	LUXEON SunPlus 35 Line
FWHM / FWTM	31.0° / 51.0°
Efficiency	94 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (SIMULATED):

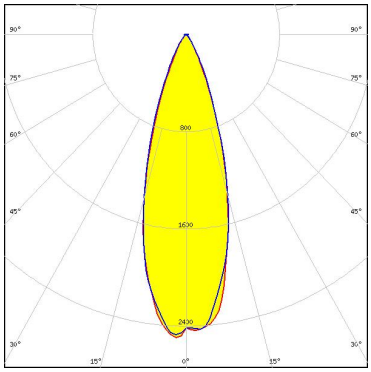
LUMINUS



LED	SST-10-B130
FWHM / FWTM	30.0° / 53.0°
Efficiency	95 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

Light distribution files

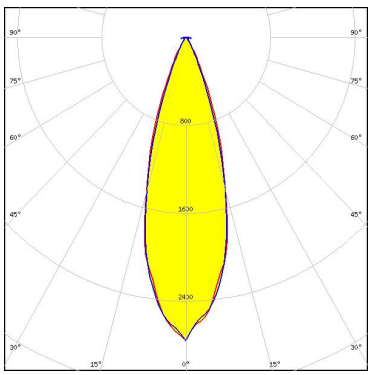
NICHIA



LED	NV4WB35AM
FWHM / FWTM	32.0° / 57.0°
Efficiency	92 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA



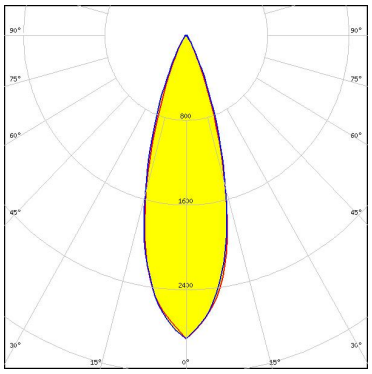
LED	NVSxE21A
FWHM / FWTM	31.0° / 53.0°
Efficiency	93 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

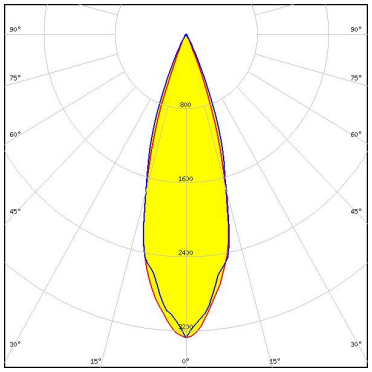
LED	OSCONIQ P 3737 Flat
FWHM / FWTM	32.0° / 55.0°
Efficiency	95 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	31.0 + 32.0° / 46.0 + 52.0°
Efficiency	96 %
Peak intensity	3.3 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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