HEIDI-SS

~15° smooth spot beam

SPECIFICATION:

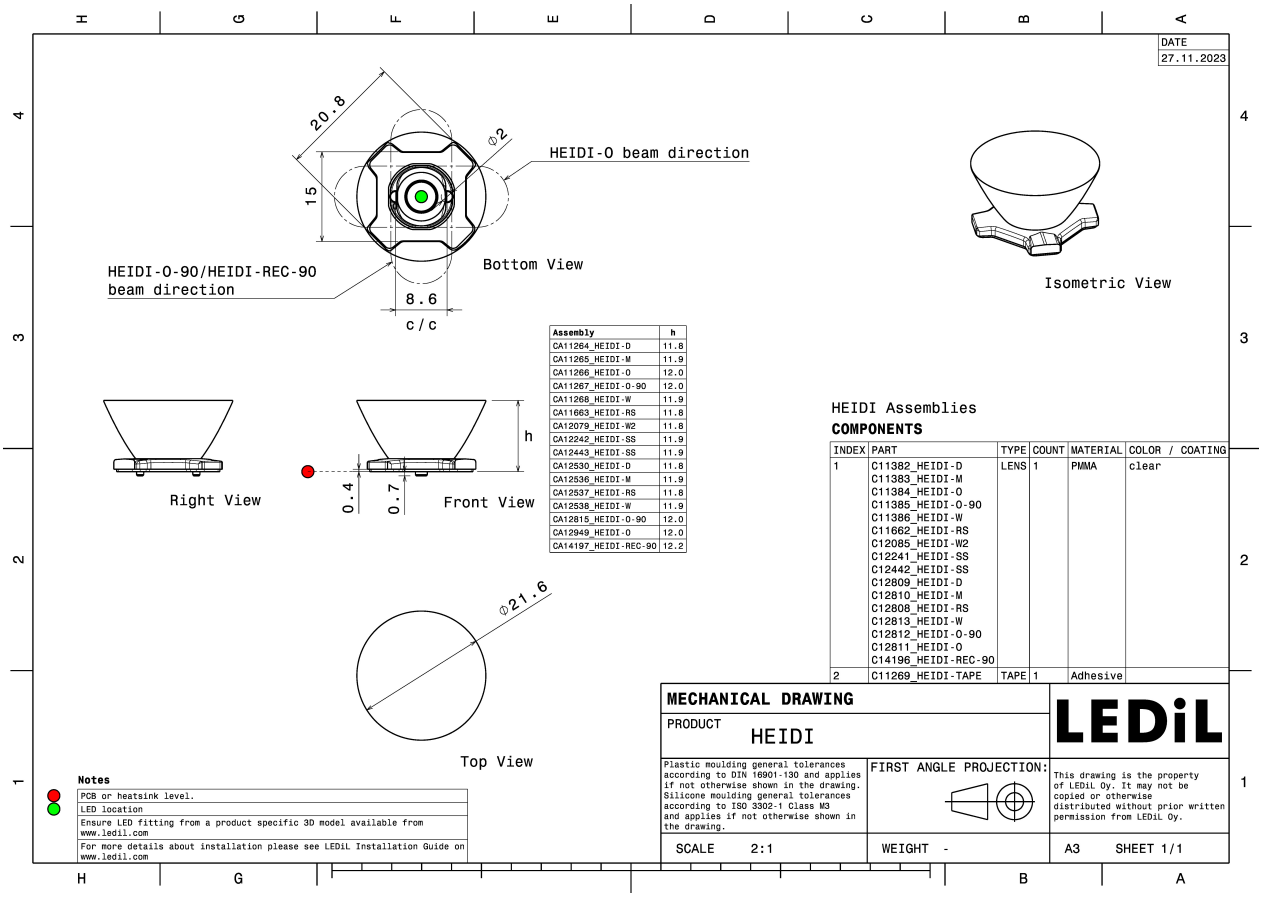
Dimensions	Ø 21.6
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-SS	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acrylic foam tape	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12242_HEIDI-SS » 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

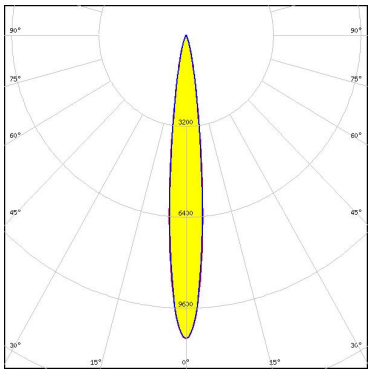
INDEX	PART	TYPE	COUNT	MATERIAL	COLOR / COATING
1	C11382_HEIDI-D C11383_HEIDI-M C11384_HEIDI-O C11385_HEIDI-O-90 C11386_HEIDI-W C11662_HEIDI-RS C12085_HEIDI-W2 C12241_HEIDI-SS C12442_HEIDI-SS C12809_HEIDI-D C12810_HEIDI-M C12808_HEIDI-RS C12813_HEIDI-W C12812_HEIDI-O-90 C12811_HEIDI-O C14196_HEIDI-REC-90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

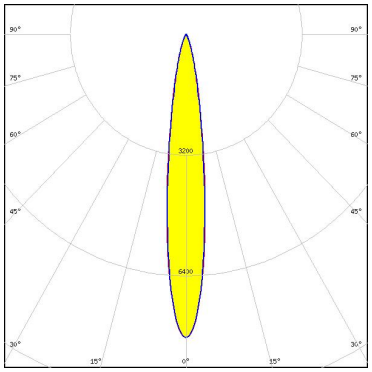
LED	XP-E
FWHM / FWTM	13.0° / 28.0°
Efficiency	95 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

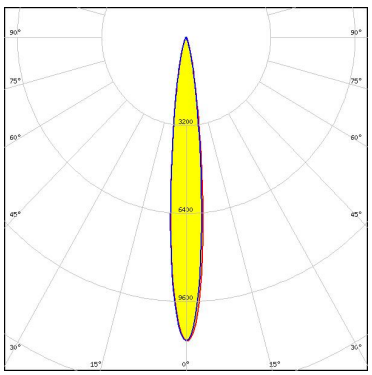
LED	XP-G
FWHM / FWTM	15.0° / 33.0°
Efficiency	95 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XQ-E HD
FWHM / FWTM	12.0° / 27.0°
Efficiency	94 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

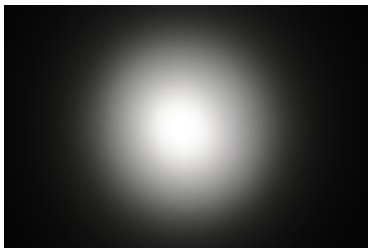


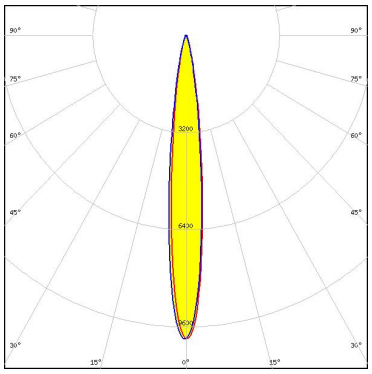
Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	12.0° / 28.0°
Efficiency	92 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

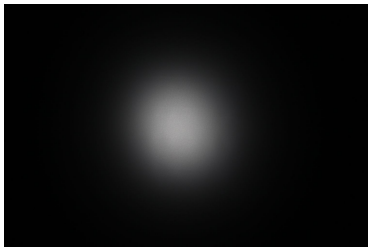


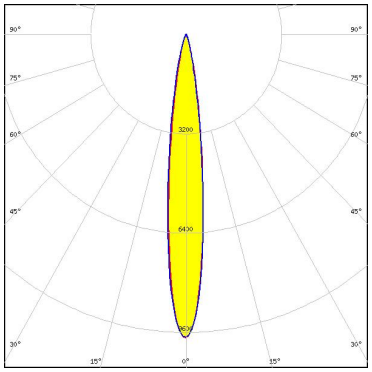


Light distribution files

LUMILEDS

LED	LUXEON C
FWHM / FWTM	13.0° / 28.0°
Efficiency	87 %
Peak intensity	9.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

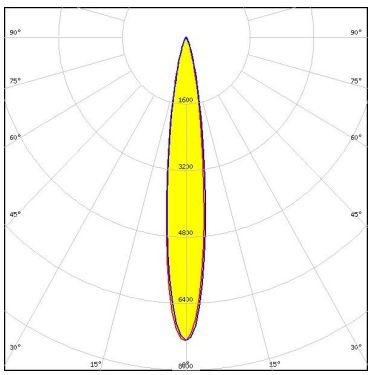




Light distribution files

LUMILEDS

LED	LUXEON T
FWHM / FWTM	15.0° / 33.0°
Efficiency	87 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

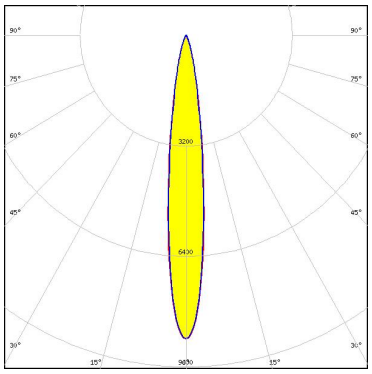


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

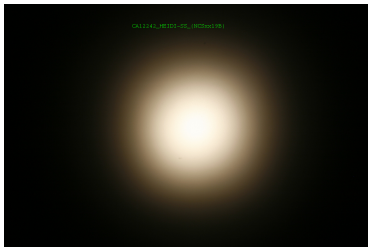
LED	NCSxx19A
FWHM / FWTM	14.0° / 31.0°
Efficiency	95 %
Peak intensity	8.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

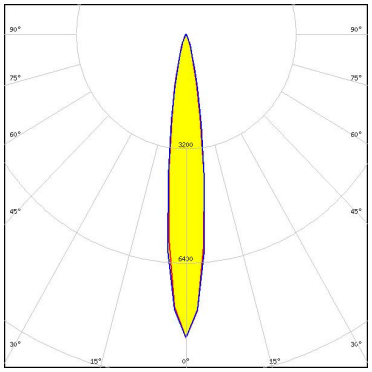


Light distribution files

NICHIA

LED	NCSxx19B
FWHM / FWTM	15.0° / 32.0°
Efficiency	86 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

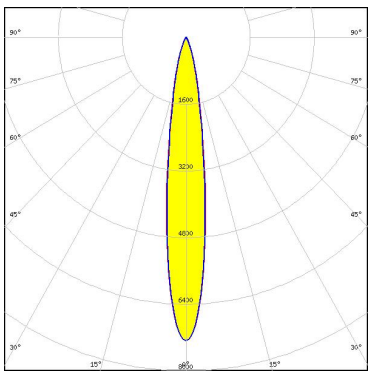




Light distribution files

NICHIA

LED	NVSxx19A
FWHM / FWTM	15.0° / 34.0°
Efficiency	95 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

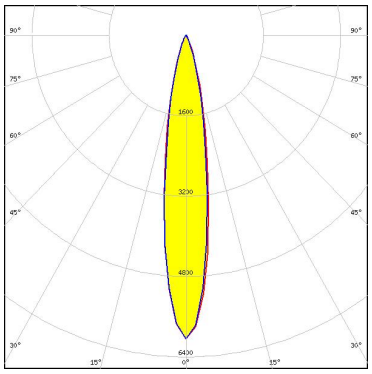


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

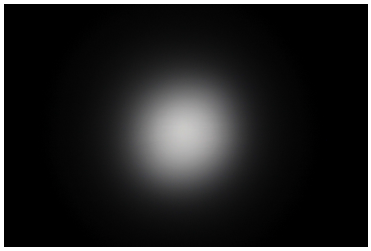
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	18.0° / 38.0°
Efficiency	87 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

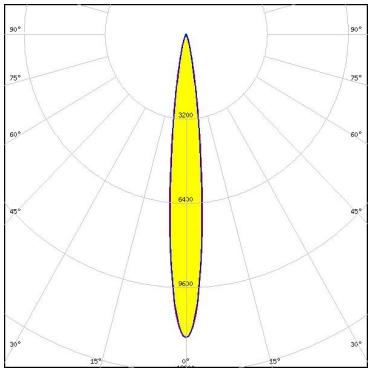


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	13.0° / 26.0°
Efficiency	96 %
Peak intensity	11.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

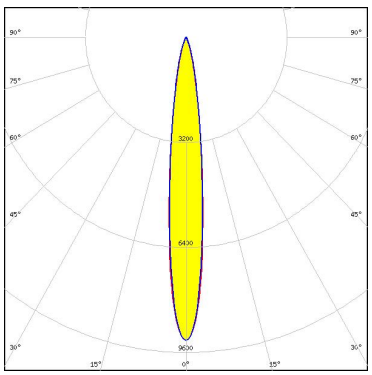




Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	13.0° / 30.0°
Efficiency	95 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

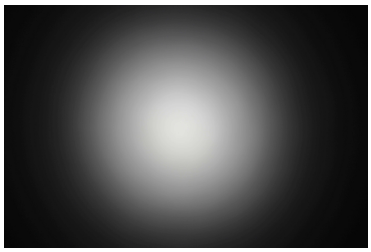


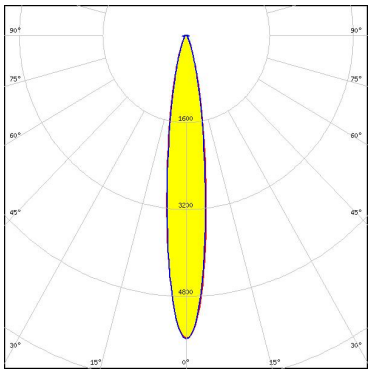
Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH181A
FWHM / FWTM	15.0° / 36.0°
Efficiency	88 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

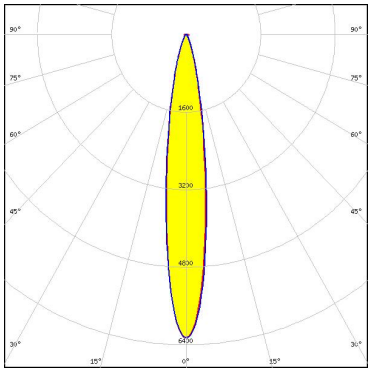




Light distribution files

SAMSUNG

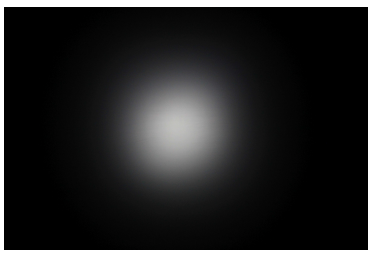
LED	LH181B
FWHM / FWTM	15.0° / 36.0°
Efficiency	93 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

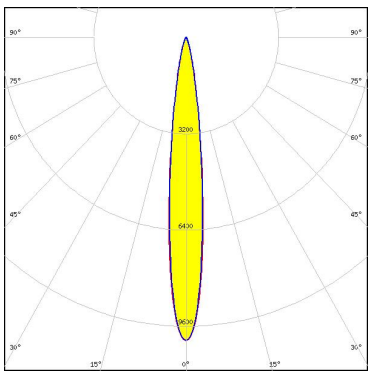


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	13.0° / 28.0°
Efficiency	95 %
Peak intensity	10.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



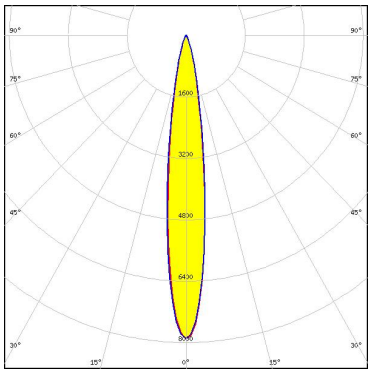


Light distribution files

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	14.0° / 32.0°
Efficiency	91 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

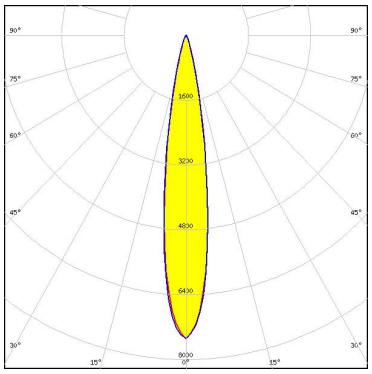


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

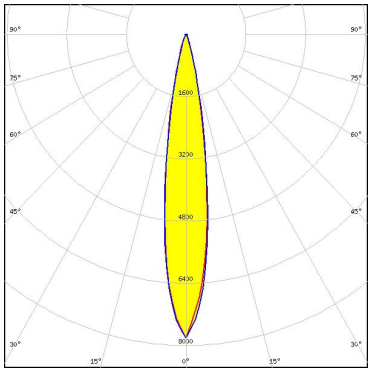
LED	XP-G2 HE
FWHM / FWTM	16.0° / 32.0°
Efficiency	94 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

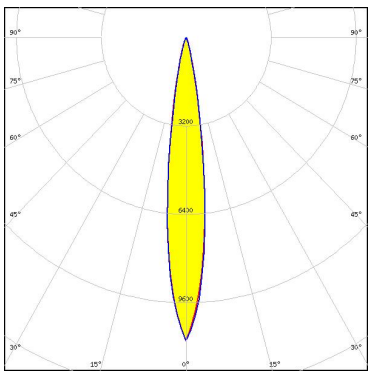
LED	XP-G3
FWHM / FWTM	17.0° / 32.0°
Efficiency	94 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON 3030 HE Plus
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

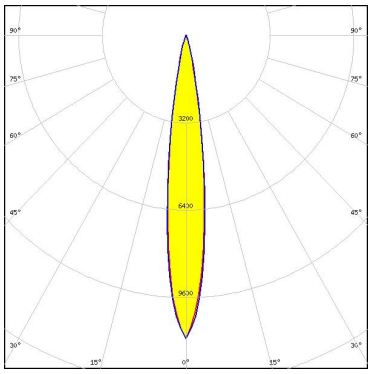


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

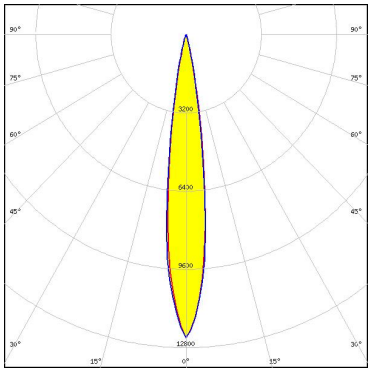
LED	LUXEON HL2Z
FWHM / FWTM	14.0° / 28.0°
Efficiency	96 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

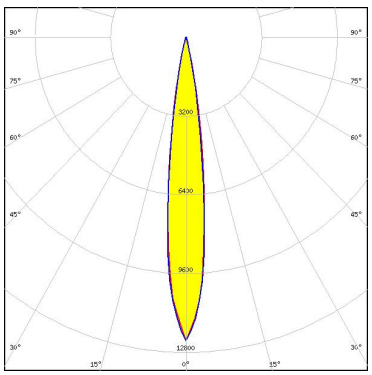
LED	LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM	14.0° / 26.0°
Efficiency	96 %
Peak intensity	12.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	14.0° / 26.0°
Efficiency	92 %
Peak intensity	12.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

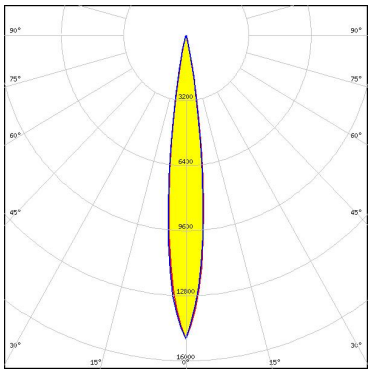


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

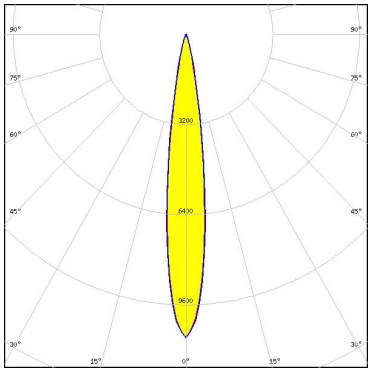
LED	LUXEON Z ES
FWHM / FWTM	13.0° / 24.0°
Efficiency	94 %
Peak intensity	14.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

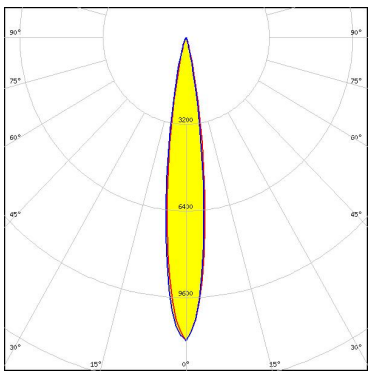
LED	NVSxE21A
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ S 3030 (QSLR31)
FWHM / FWTM	15.0° / 28.0°
Efficiency	95 %
Peak intensity	11.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

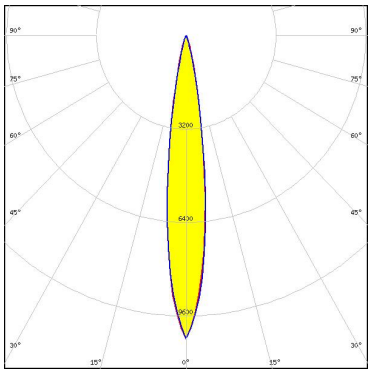


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

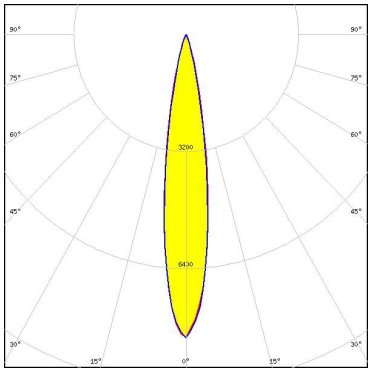
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	15.0° / 29.0°
Efficiency	95 %
Peak intensity	10.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

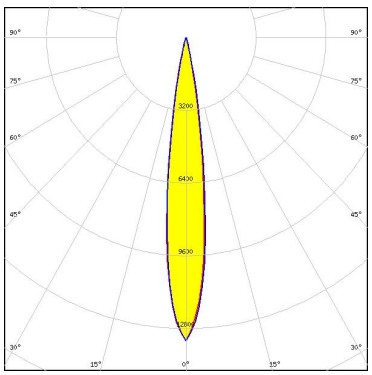
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	17.0° / 33.0°
Efficiency	94 %
Peak intensity	8.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	14.0° / 25.0 + 26.0°
Efficiency	96 %
Peak intensity	13.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

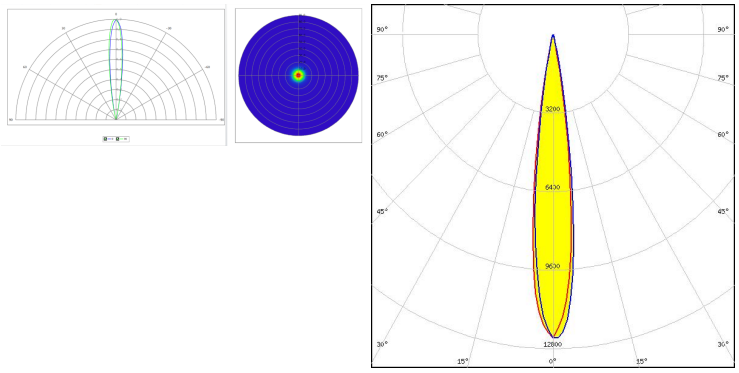


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

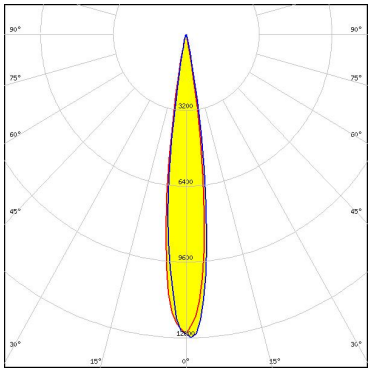
LED	SFH 4170S
FWHM / FWTM	14.0° / 24.0°
Efficiency	88 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	15.0° / 23.0°
Efficiency	88 %
LEDs/each optic	1
Light colour/type	IR
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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy
Joensuunkatu 7
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Poznan, Poland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy