G2-LXP2-D-P

~14° diffused spot beam with light, black holder. Assembly with location pins and installation tape.



SPECIFICATION:

Dimensions	Ø 21.8
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LXP2-D	Single lens	PMMA	clear		
LXP2-LT-HLD	Holder	PC	black		
HEIDI-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA14507_G2-LXP2-D-P » Box size: 480 x 280 x 300 mm	1680		112	8.3

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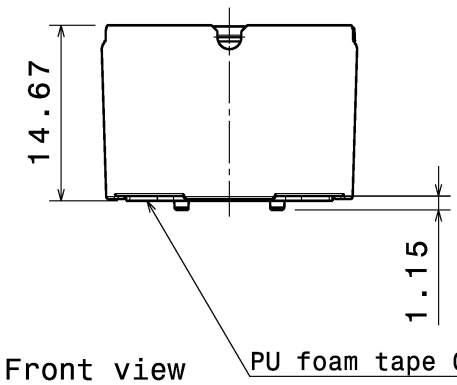
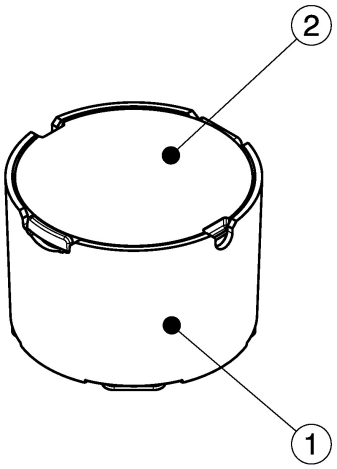
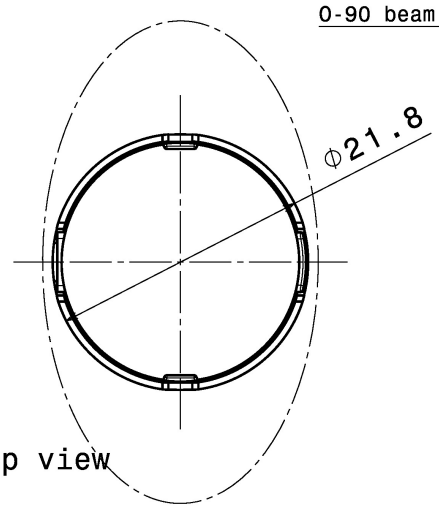
Applies to:
CA14503
CA14505
CA14507
CA14509
CA14511



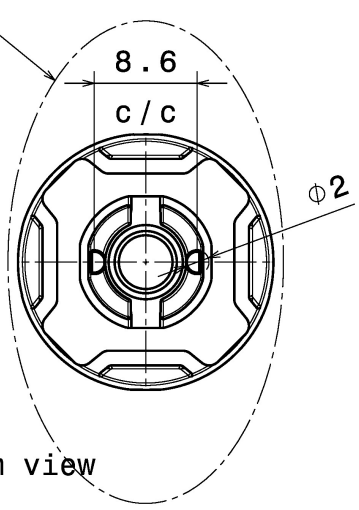
Front view



Isometric view



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14443	LXP2-LT-HLD	PC	black
2	-	LXP2-series_mech lens	PMMA	clear

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

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DRAWING TITLE
LEILA-G2-LXP2-PIN

SIZE A4 | PART NUMBER -

SCALE 2:1 | WEIGHT 4,0 g | SHEET 1/1

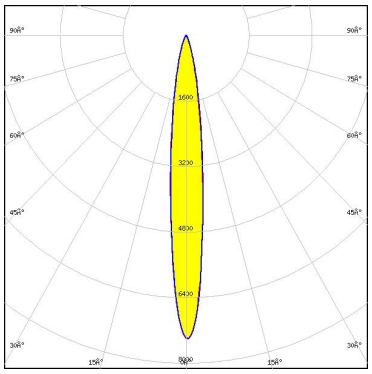
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XD16
FWHM / FWTM	13.0° / 32.0°
Efficiency	78 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

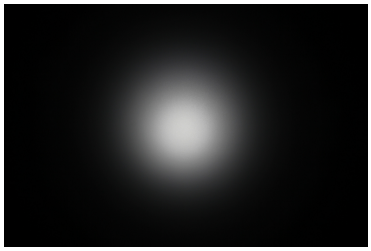




Light distribution files

CREE LEDs

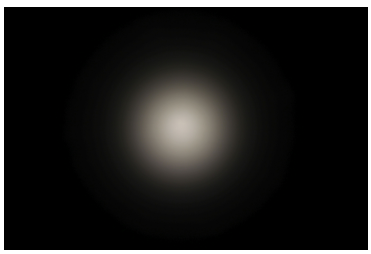
LED	XP-E
FWHM / FWTM	9.7° / 22.0°
Efficiency	88 %
Peak intensity	19.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

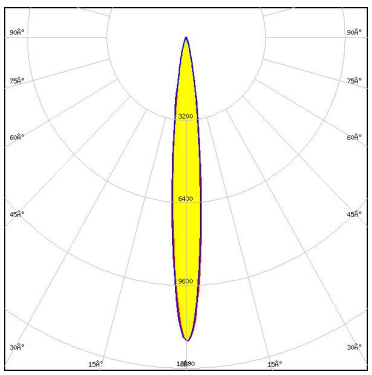


Light distribution files

CREE LEDs

LED	XQ-E HD
FWHM / FWTM	11.0° / 25.0°
Efficiency	85 %
Peak intensity	11.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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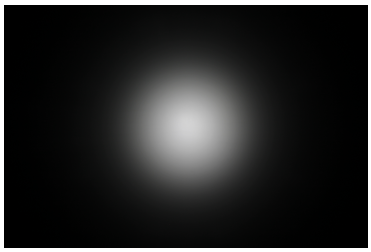
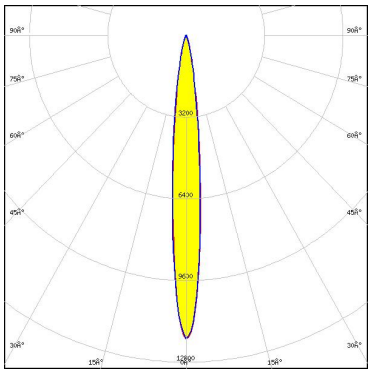
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	11.0° / 25.0°
Efficiency	84 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



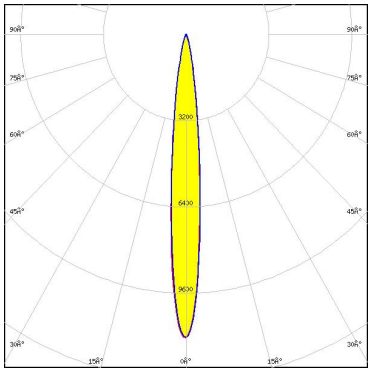


Light distribution files

LUMILEDS

LED	LUXEON C
FWHM / FWTM	11.0° / 25.0°
Efficiency	80 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

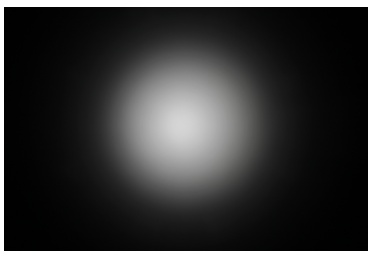


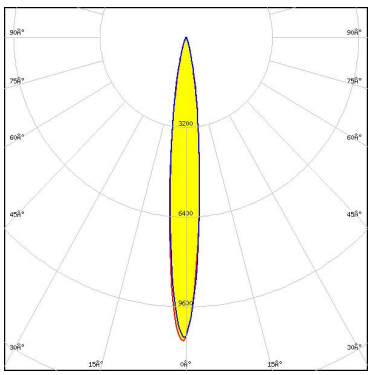


Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	12.0° / 28.0°
Efficiency	86 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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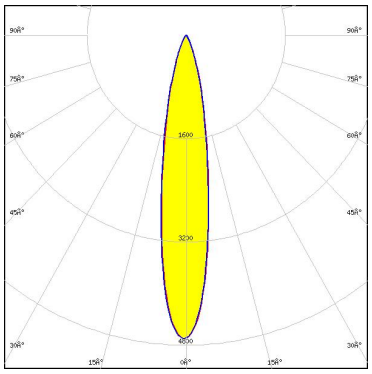
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON V
FWHM / FWTM	18.0° / 41.0°
Efficiency	83 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



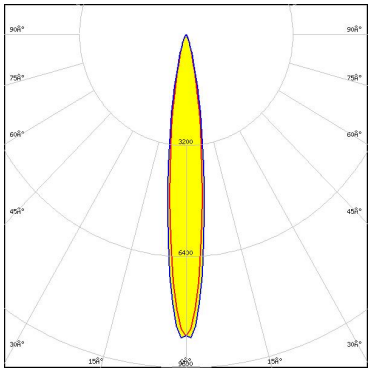


Light distribution files

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	14.0° / 31.0°
Efficiency	83 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



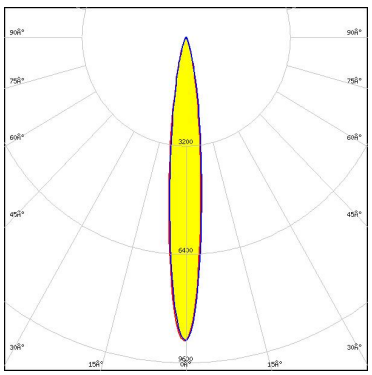


Light distribution files

NICHIA

LED	NCSxx19A
FWHM / FWTM	13.0° / 30.0°
Efficiency	86 %
Peak intensity	9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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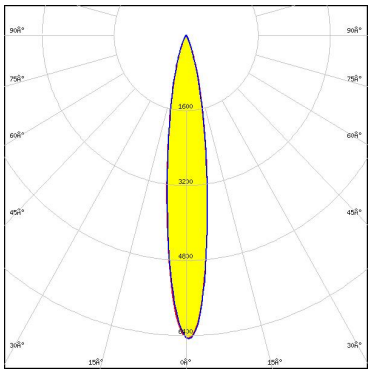
OPTICAL RESULTS (MEASURED):

NICHIA

LED	NF2x757G
FWHM / FWTM	16.0° / 37.0°
Efficiency	88 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



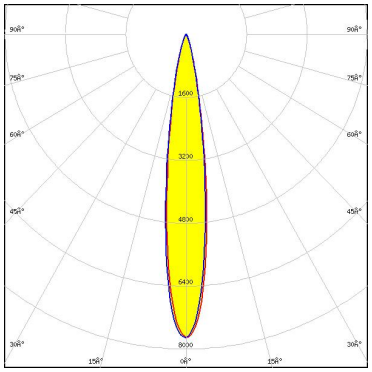


Light distribution files

NICHIA

LED	NVSW219F
FWHM / FWTM	15.0° / 32.0°
Efficiency	87 %
Peak intensity	7.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

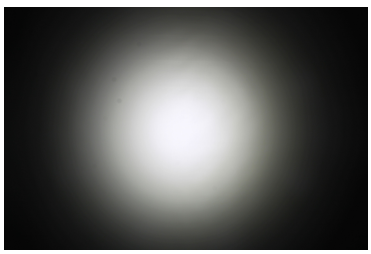


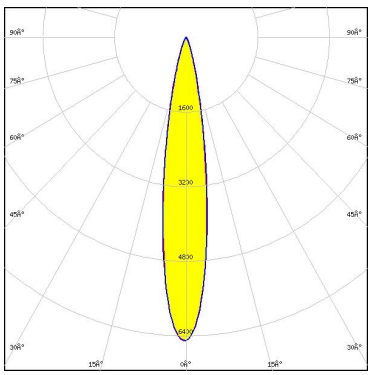


Light distribution files

NICHIA

LED	NVSW319B
FWHM / FWTM	17.0° / 35.0°
Efficiency	87 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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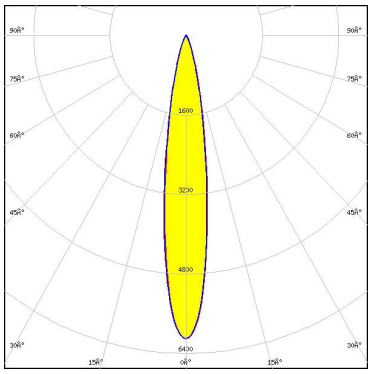
OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW3x9A
FWHM / FWTM	17.0° / 36.0°
Efficiency	81 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



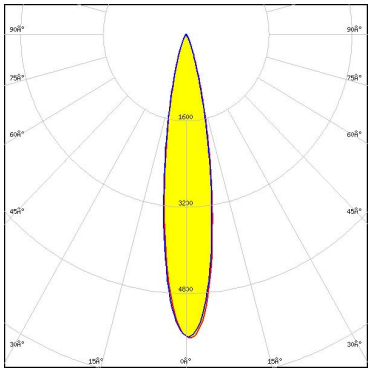


Light distribution files

NICHIA

LED	NVSW519A
FWHM / FWTM	19.0° / 38.0°
Efficiency	86 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

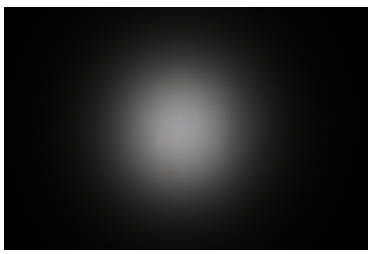


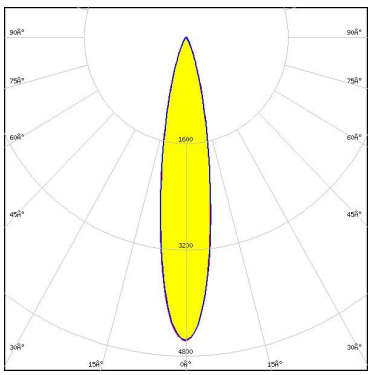


Light distribution files

NICHIA

LED	NWSx229A
FWHM / FWTM	29.0° / 42.0°
Efficiency	83 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

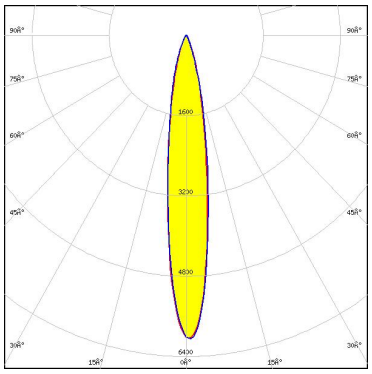
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	16.0° / 38.0°
Efficiency	86 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



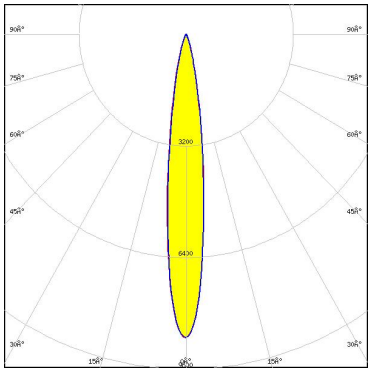


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	14.0° / 31.0°
Efficiency	88 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



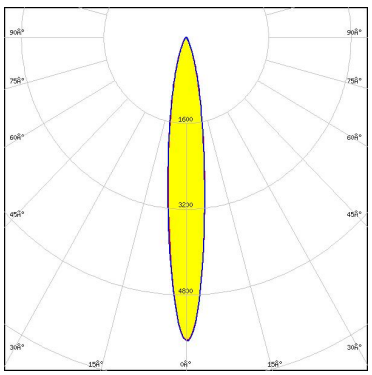


Light distribution files

SAMSUNG

LED	LH181A
FWHM / FWTM	15.0° / 37.0°
Efficiency	78 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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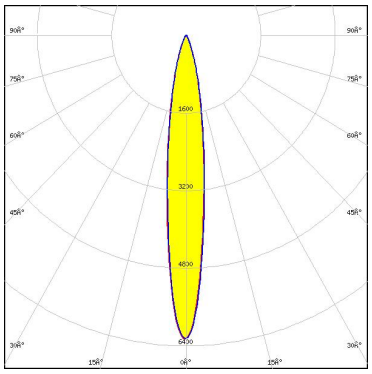
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH181B
FWHM / FWTM	15.0° / 37.0°
Efficiency	82 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



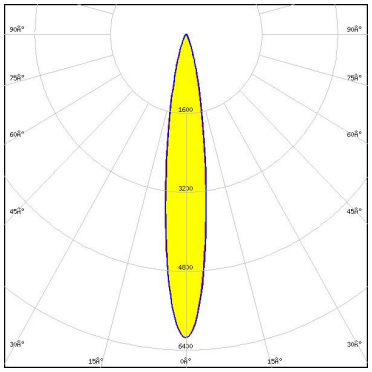


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	16.0° / 36.0°
Efficiency	84 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

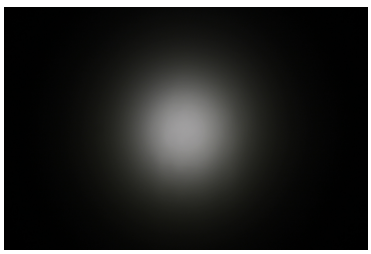


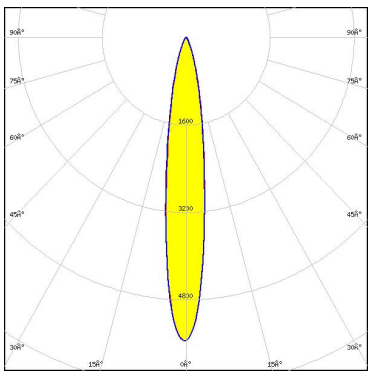


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	15.0° / 37.0°
Efficiency	78 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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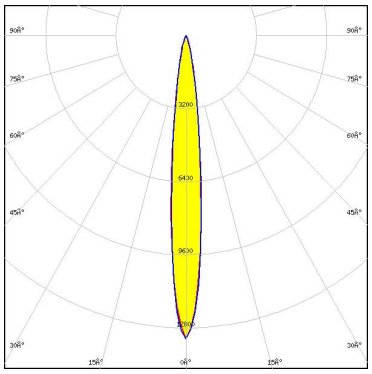
OPTICAL RESULTS (SIMULATED):

CREE LEDs

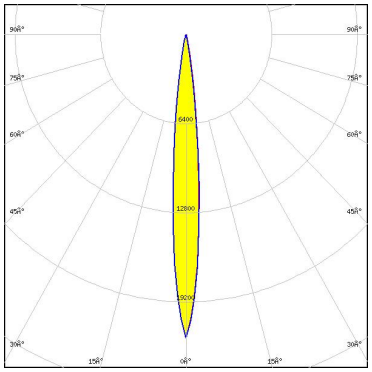
LED	J Series 2835
FWHM / FWTM	12.0° / 26.0°
Efficiency	93 %
Peak intensity	13.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

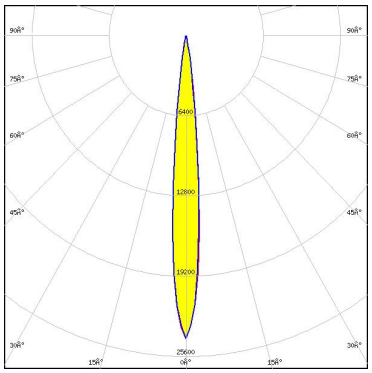
LED	XP-E2
FWHM / FWTM	10.0° / 20.0°
Efficiency	92 %
Peak intensity	21.8 cd/lm
LEDs/each optic	1
Light colour/type	Amber
Required components:	



Light distribution files

CREE LEDs

LED	XP-G2
FWHM / FWTM	10.0° / 19.0°
Efficiency	94 %
Peak intensity	24.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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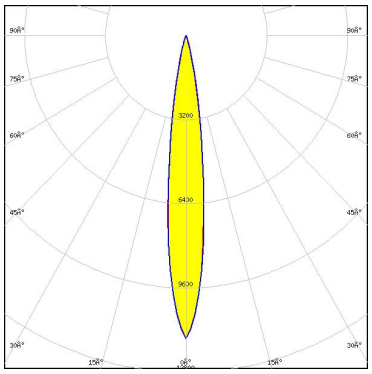
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	14.0° / 28.0°
Efficiency	91 %
Peak intensity	11.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

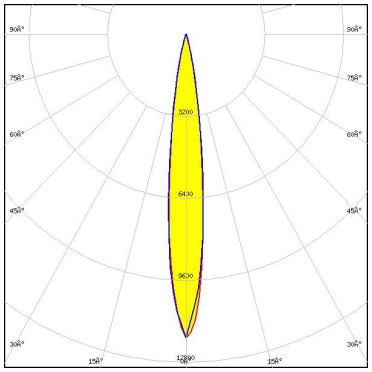


Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	14.0° / 27.0°
Efficiency	91 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

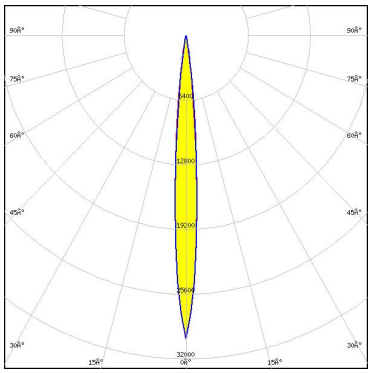




Light distribution files

CREE LEDs

LED	XP-P
FWHM / FWTM	8.0° / 18.0°
Efficiency	93 %
Peak intensity	30 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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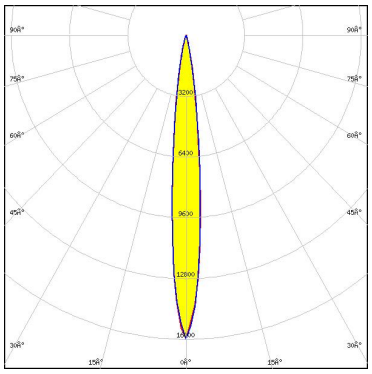
OPTICAL RESULTS (SIMULATED):

CREE LEDs

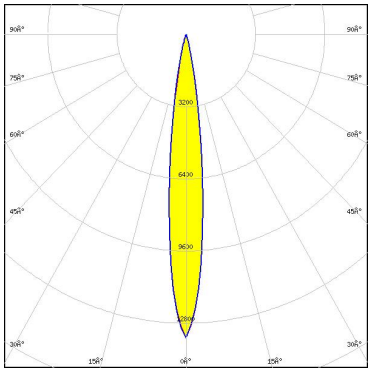
LED	XT-E
FWHM / FWTM	11.0° / 23.0°
Efficiency	90 %
Peak intensity	16 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	14.0° / 26.0°
Efficiency	93 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON IR Compact
FWHM / FWTM	8.0° / 17.0°
Efficiency	84 %
LEDs/each optic	1
Light colour/type	White
Required components:	

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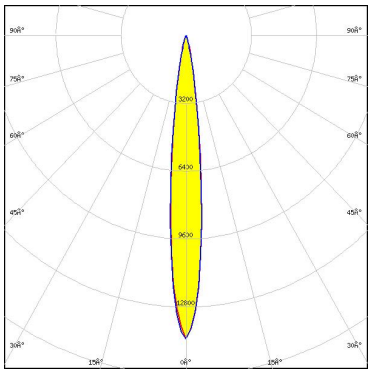
OPTICAL RESULTS (SIMULATED):

LUMILEDS

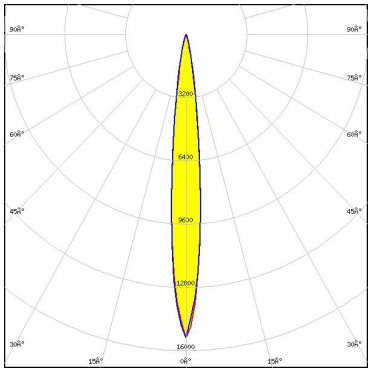
LED	LUXEON T
FWHM / FWTM	12.0° / 24.0°
Efficiency	93 %
Peak intensity	14.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

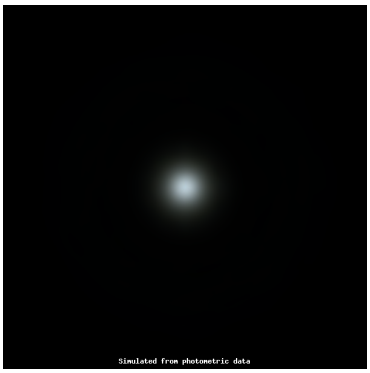
LED	LUXEON TX
FWHM / FWTM	11.0° / 24.0°
Efficiency	92 %
Peak intensity	15.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

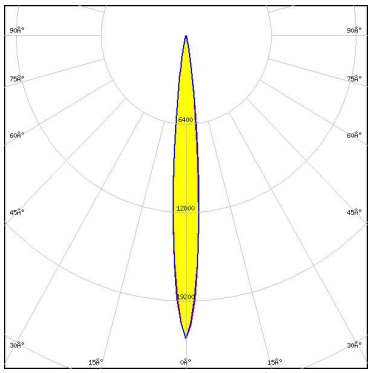


Light distribution files

LUMINUS

LED	SST-12 Gen1
FWHM / FWTM	10.0° / 20.0°
Efficiency	92 %
Peak intensity	21.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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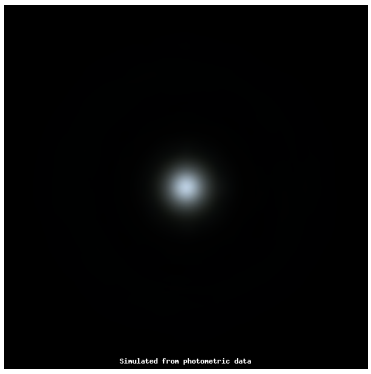
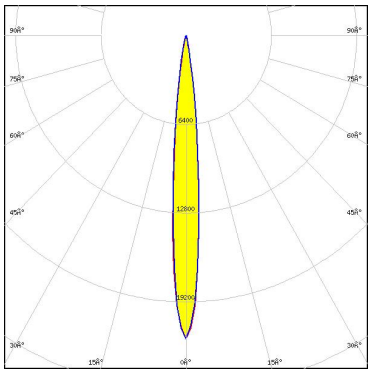
OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	SST-12 Gen2
FWHM / FWTM	10.0° / 20.0°
Efficiency	93 %
Peak intensity	21.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

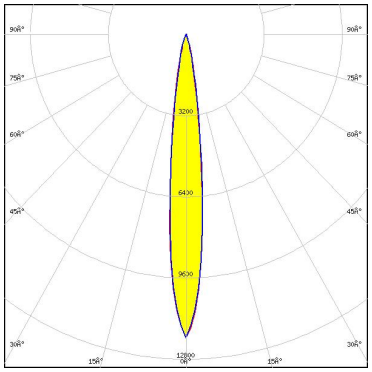




Light distribution files

NICHIA

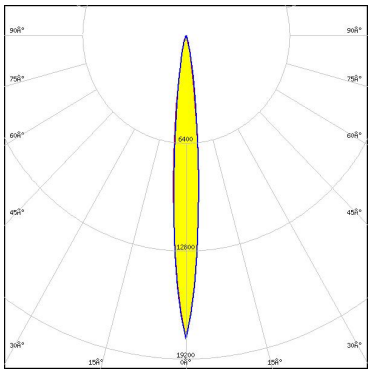
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	13.0° / 27.0°
Efficiency	89 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	10.0° / 22.0°
Efficiency	92 %
Peak intensity	18 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

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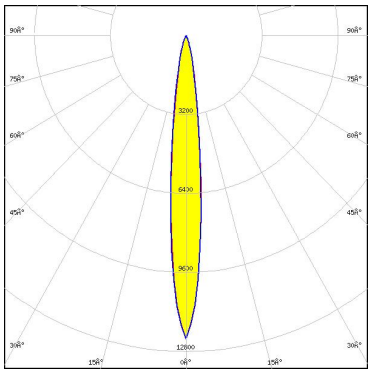
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

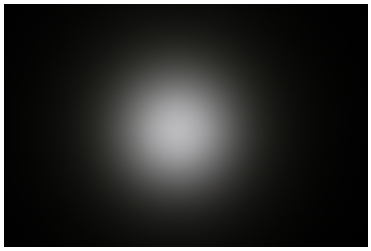
LED	OSCONIQ P 3737 Flat
FWHM / FWTM	12.0° / 28.0°
Efficiency	93 %
Peak intensity	12.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

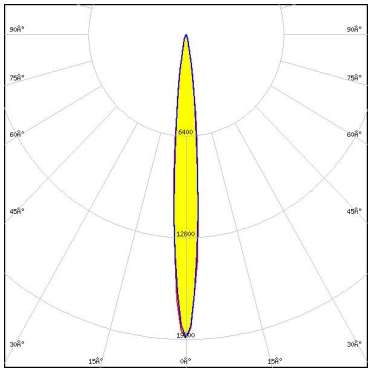


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	9.4° / 20.0°
Efficiency	91 %
Peak intensity	19.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

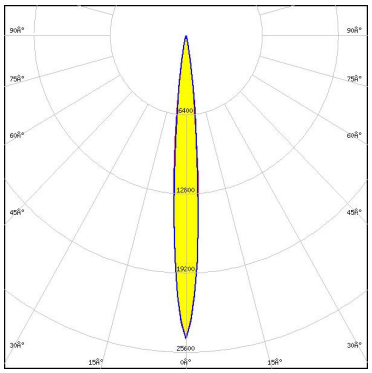




Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	10.0° / 19.0°
Efficiency	93 %
Peak intensity	24.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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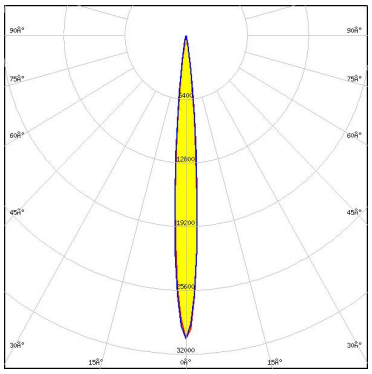
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

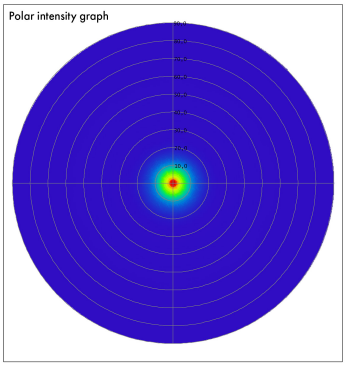
LED	OSLON SSL 80
FWHM / FWTM	8.3° / 17.0°
Efficiency	92 %
Peak intensity	30.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

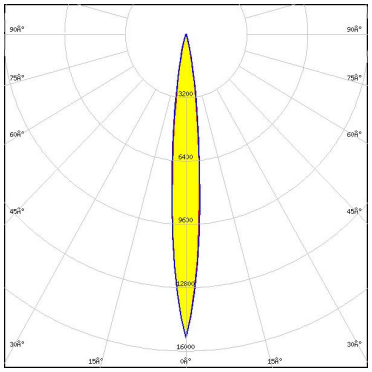


Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	11.0° / 24.0°
Efficiency	92 %
Peak intensity	15.8 cd/lm
LEDs/each optic	1
Light colour/type	IR
Required components:	





Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4770S
FWHM / FWTM	9.0° / 26.0°
Efficiency	85 %
LEDs/each optic	1
Light colour/type	White
Required components:	

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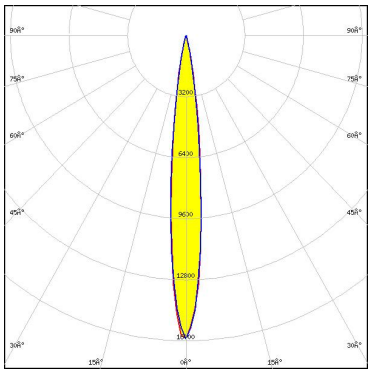
OPTICAL RESULTS (SIMULATED):

SAMSUNG

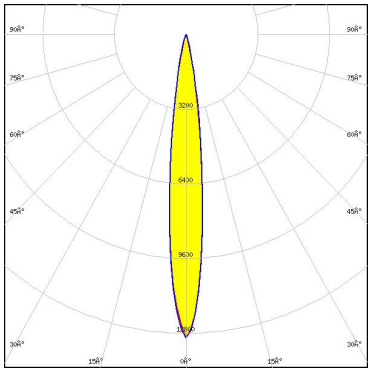
LED	LH351A
FWHM / FWTM	11.0° / 23.0°
Efficiency	91 %
Peak intensity	15.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	12.0° / 26.0°
Efficiency	92 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351C
FWHM / FWTM	18.0° / 32.0°
Efficiency	93 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

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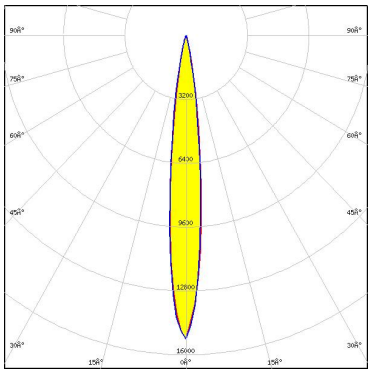
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

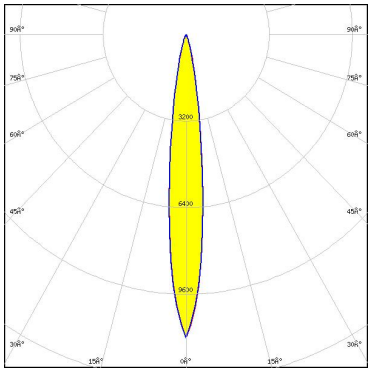
LED	Z5M1/Z5M2
FWHM / FWTM	12.0° / 23.0°
Efficiency	93 %
Peak intensity	15.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

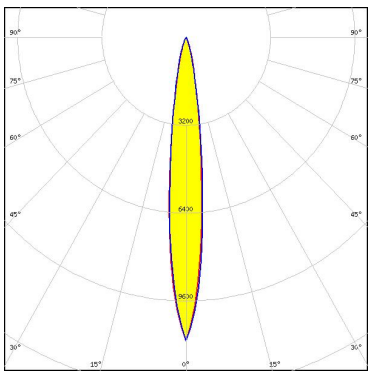
LED	Z5M3
FWHM / FWTM	14.0° / 28.0°
Efficiency	93 %
Peak intensity	11.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	13.0° / 30.0°
Efficiency	94 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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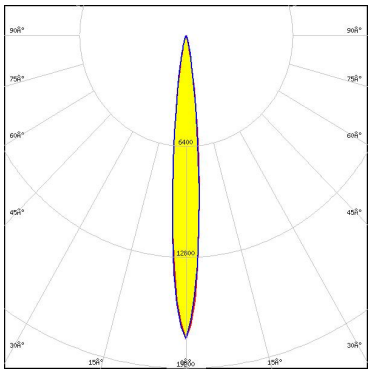
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z5P
FWHM / FWTM	10.0° / 22.0°
Efficiency	92 %
Peak intensity	17.5 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:

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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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