EMILY-W

~40° wide beam 14.74 mm high lens.

SPECIFICATION:

Dimensions	Ø 26.0
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11934_EMILY-W » Box size: 480 x 280 x 300 mm	Single lens	1690	260	130	11.8

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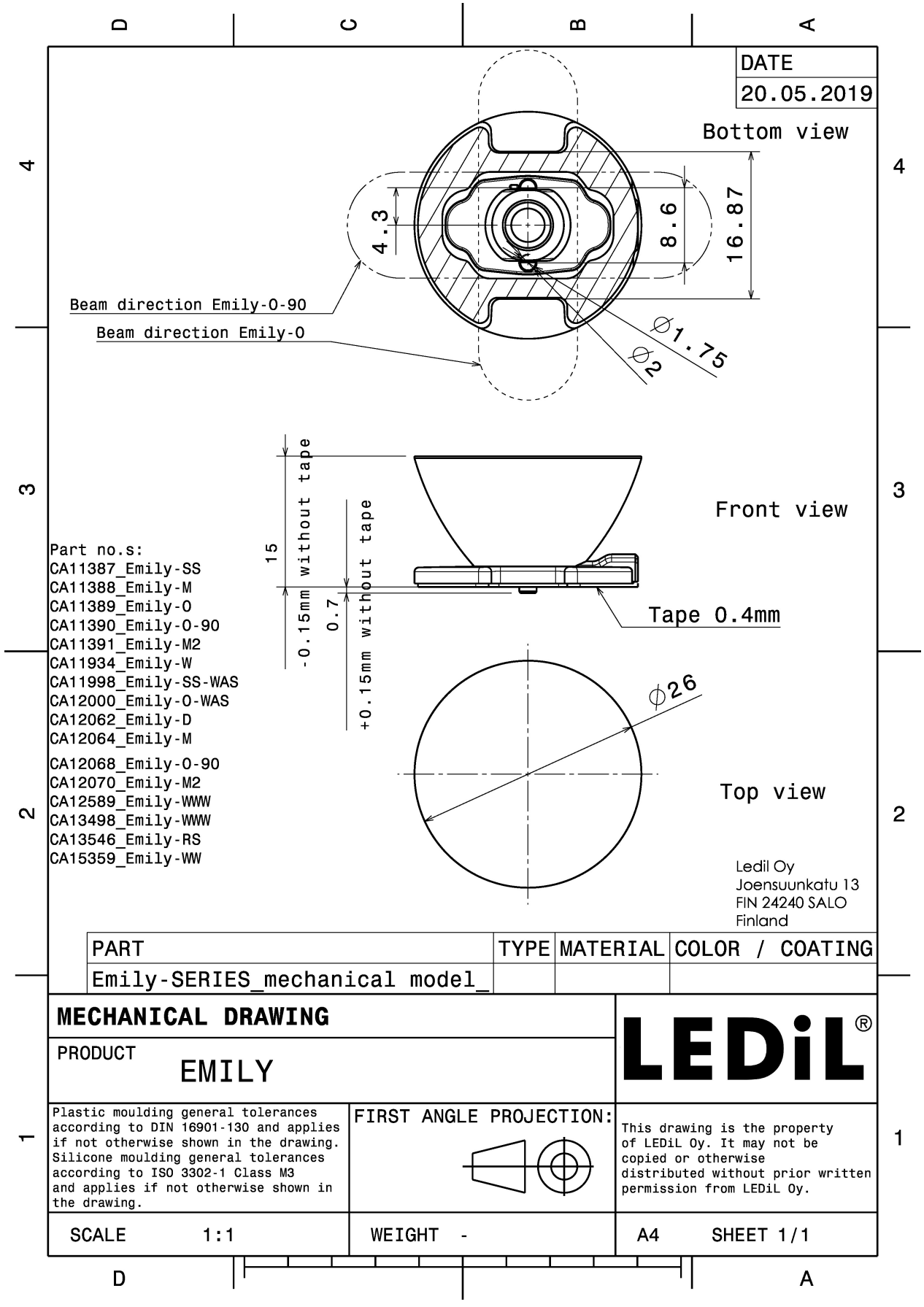

See also our general installation guide: www.ledil.com/installation_guide

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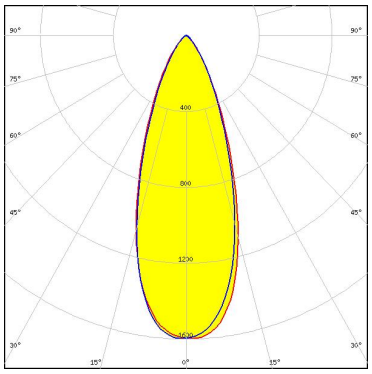
OPTICAL RESULTS (MEASURED):

CREE LEDs

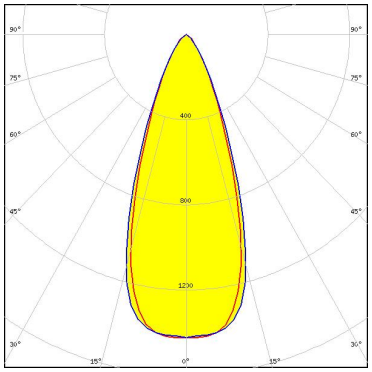
LED	XHP35 HD
FWHM / FWTM	39.0° / 72.0°
Efficiency	83 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

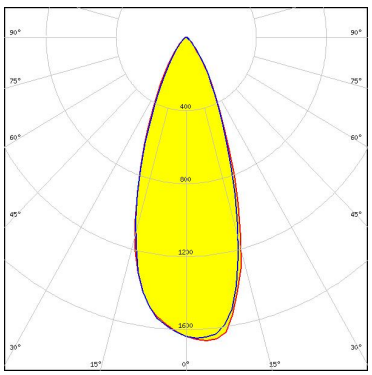
LED	XM-L
FWHM / FWTM	36.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XM-L2
FWHM / FWTM	39.0° / 72.0°
Efficiency	86 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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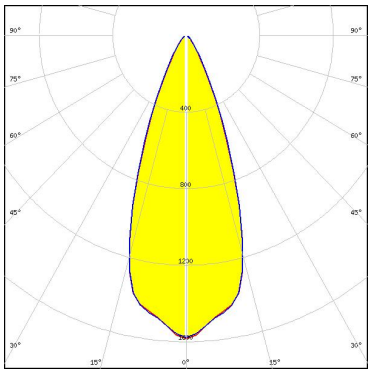
OPTICAL RESULTS (MEASURED):

CREE LEDs

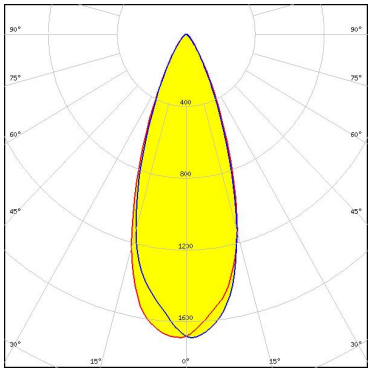
LED	XP-E
FWHM / FWTM	39.0° / 64.0°
Efficiency	86 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

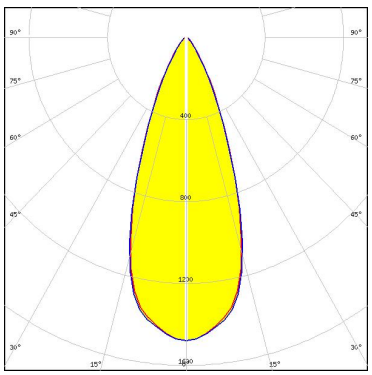
LED	XP-E2
FWHM / FWTM	39.0° / 67.0°
Efficiency	84 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G
FWHM / FWTM	40.0° / 68.0°
Efficiency	86 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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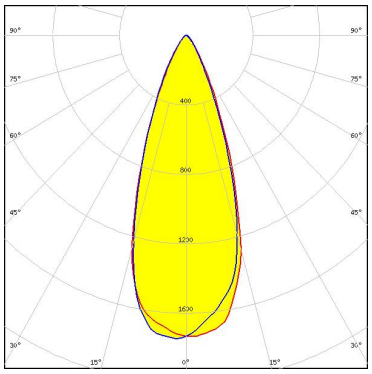
OPTICAL RESULTS (MEASURED):

CREE LEDs

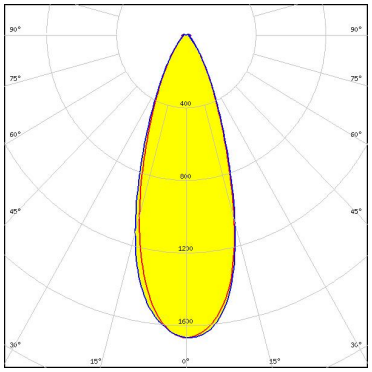
LED	XP-G2
FWHM / FWTM	38.0° / 66.0°
Efficiency	84 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

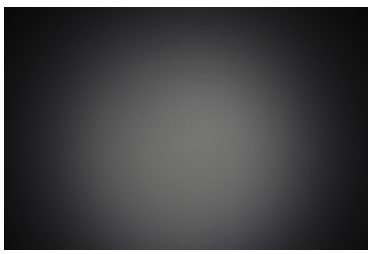
LED	XP-G3
FWHM / FWTM	36.0° / 70.0°
Efficiency	92 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

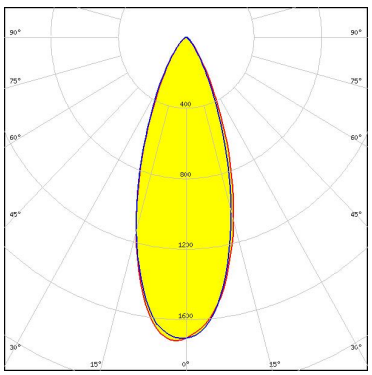


Light distribution files

CREE LEDs

LED	XP-L HD
FWHM / FWTM	38.0° / 71.0°
Efficiency	87 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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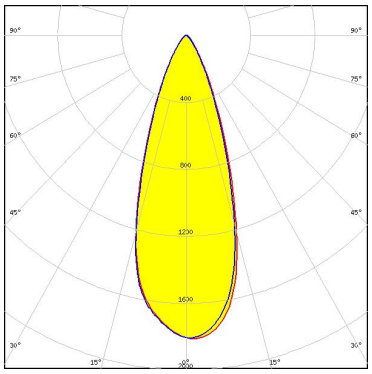
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-L HI
FWHM / FWTM	36.0° / 65.0°
Efficiency	86 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	36.0°
Efficiency	%
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMILEDS

LED	LUXEON A
FWHM / FWTM	40.0°
Efficiency	84 %
LEDs/each optic	1
Light colour/type	White
Required components:	

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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White

Required components:

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	40.0°
Efficiency	88 %
LEDs/each optic	1
Light colour/type	White

Required components:

NICHIA

LED	NCSxx19A
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White

Required components:

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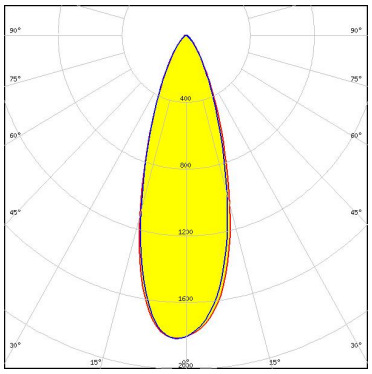
OPTICAL RESULTS (MEASURED):

NICHIA

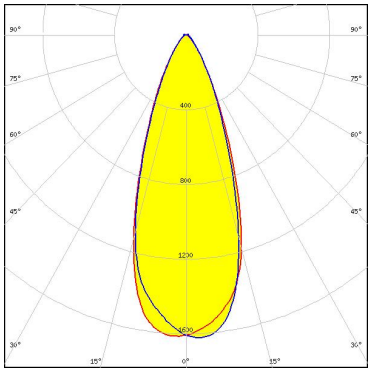
LED	NS9x383
FWHM / FWTM	34.0° / 67.0°
Efficiency	84 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSW219F
FWHM / FWTM	38.0° / 69.0°
Efficiency	91 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSxx19A
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	

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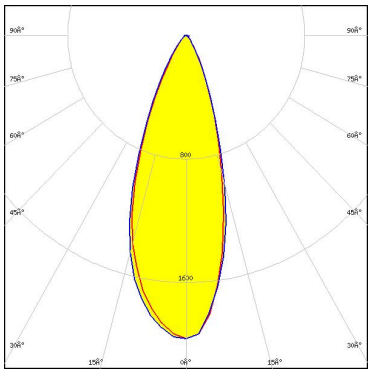
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	38.0° / 68.0°
Efficiency	84 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



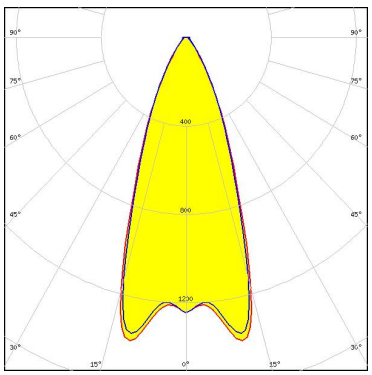
Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	40.0° / 70.0°
Efficiency	86 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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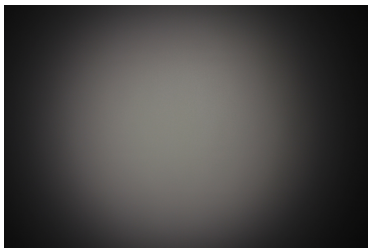
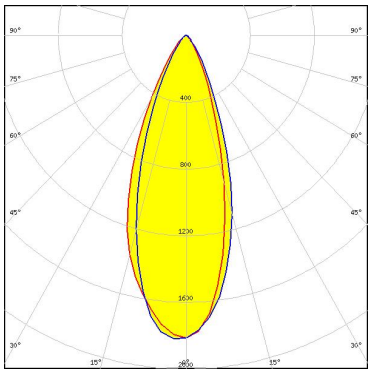
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH351B
FWHM / FWTM	38.0° / 68.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

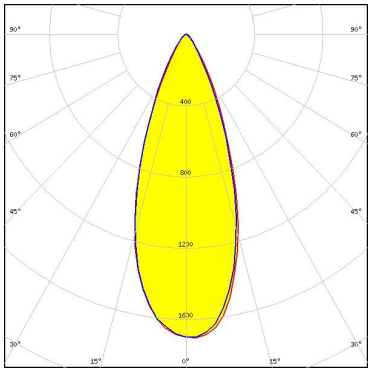




Light distribution files

SAMSUNG

LED	LH351Z
FWHM / FWTM	39.0° / 68.0°
Efficiency	85 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	

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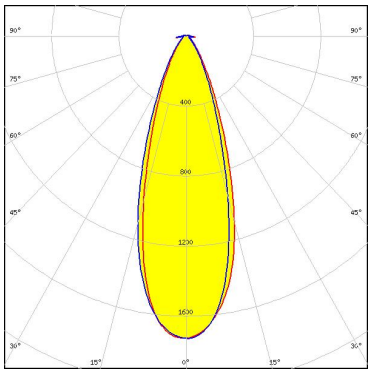
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	34.0° / 67.0°
Efficiency	89 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	

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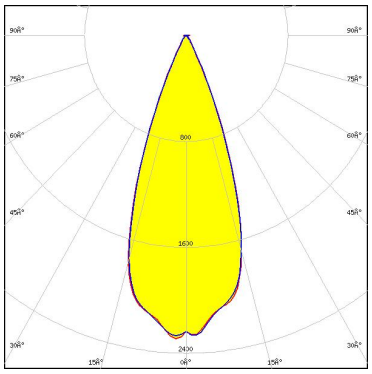
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XE-G
FWHM / FWTM	38.0° / 56.0°
Efficiency	97 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



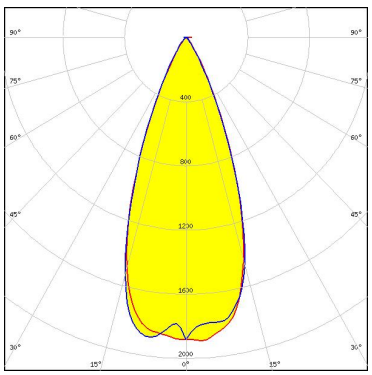
Light distribution files

CREE LEDs

LED	XM-L HVW
FWHM / FWTM	36.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	41.0° / 63.0°
Efficiency	96 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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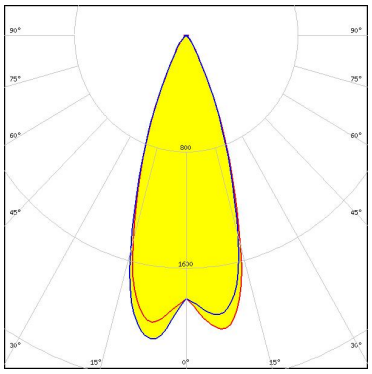
OPTICAL RESULTS (SIMULATED):

CREE LEDs

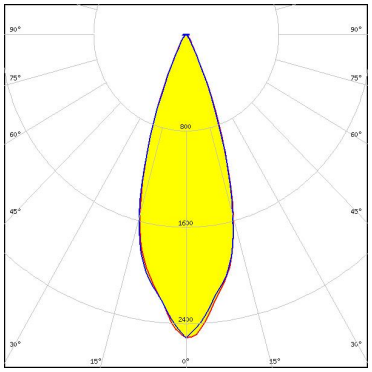
LED	XP-L2
FWHM / FWTM	38.0° / 60.0°
Efficiency	95 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

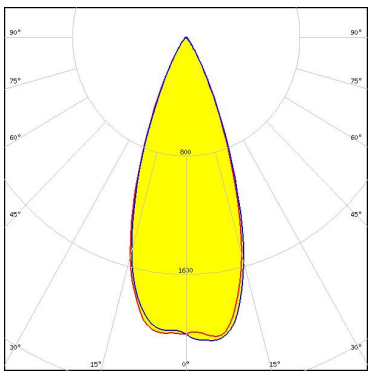
LED	LUXEON C
FWHM / FWTM	35.0° / 54.0°
Efficiency	93 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	40.0° / 62.0°
Efficiency	97 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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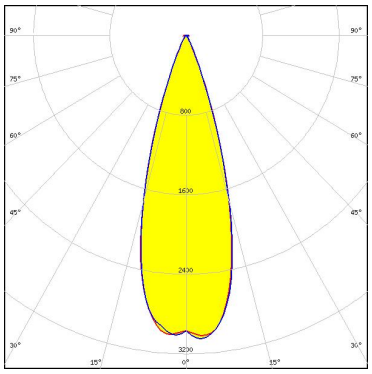
OPTICAL RESULTS (SIMULATED):

LUMILEDS

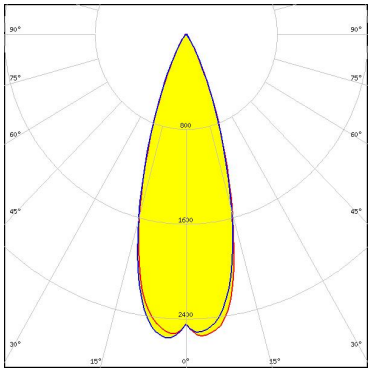
LED	LUXEON HL2Z
FWHM / FWTM	32.0° / 50.0°
Efficiency	96 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

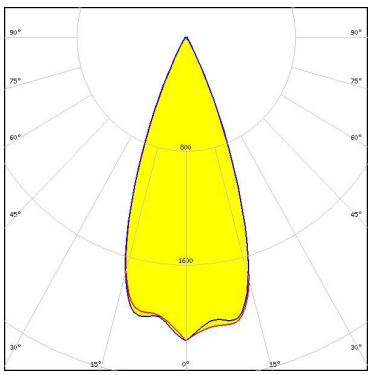
LED	LUXEON MZ
FWHM / FWTM	34.0° / 56.0°
Efficiency	96 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM	40.0° / 57.0°
Efficiency	97 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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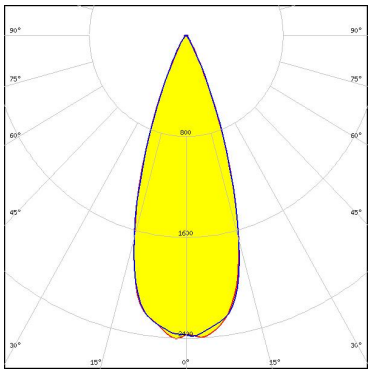
OPTICAL RESULTS (SIMULATED):

LUMILEDS

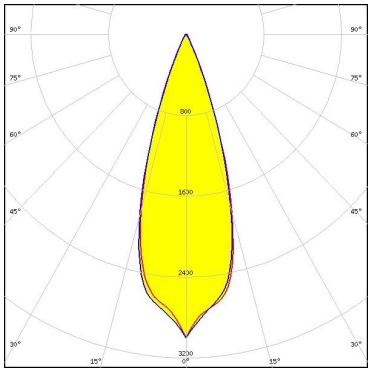
LED	LUXEON TX
FWHM / FWTM	36.0° / 56.0°
Efficiency	97 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

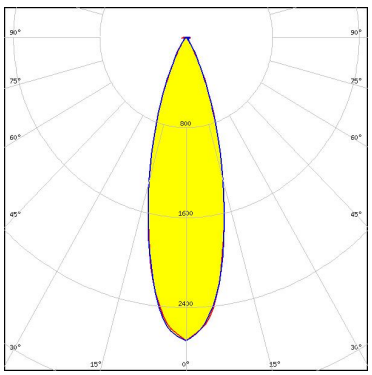
LED	LUXEON Z ES
FWHM / FWTM	34.0° / 50.0°
Efficiency	97 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NCSxE17A
FWHM / FWTM	30.0° / 56.0°
Efficiency	90 %
Peak intensity	2.7 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



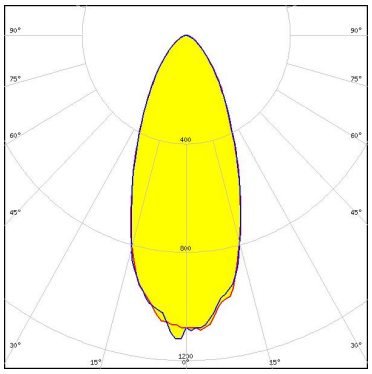
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

NICHIA

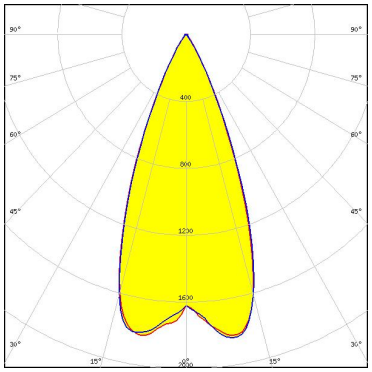
LED	NCSxx19B
FWHM / FWTM	45.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

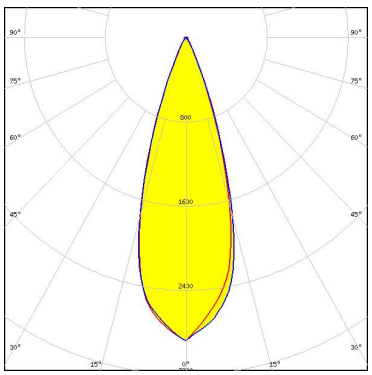
LED	NVSW219D
FWHM / FWTM	43.0° / 62.0°
Efficiency	96 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	33.0° / 52.0°
Efficiency	97 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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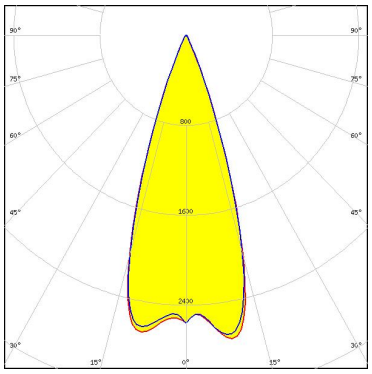
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

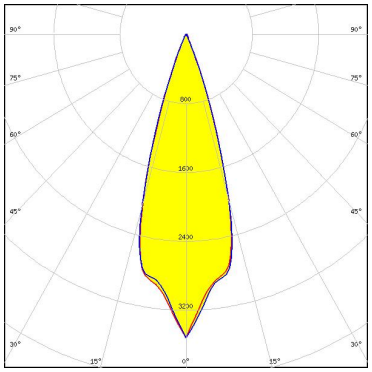
LED	OSLON Black
FWHM / FWTM	36.0° / 49.0°
Efficiency	94 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

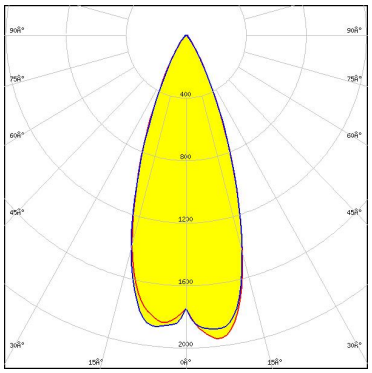
LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	32.0° / 45.0°
Efficiency	94 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351D
FWHM / FWTM	40.0° / 63.0°
Efficiency	95 %
Peak intensity	2 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:

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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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

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