LEILA-Y-SS

~14° smooth spot beam. 14.8 mm high assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ã˜ 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes

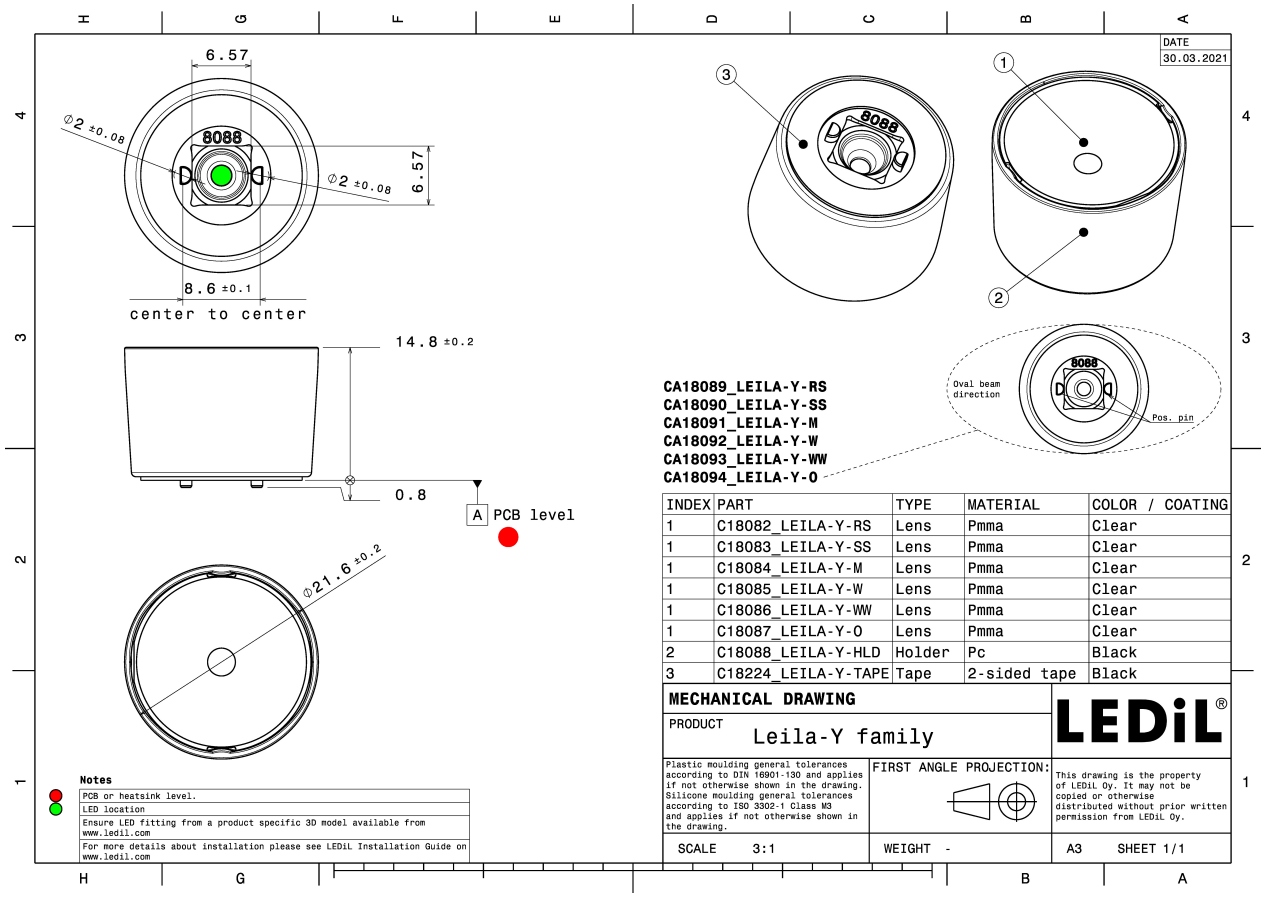
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LEILA-Y-SS	Single lens	PMMA	clear	gloss	20.0
LEILA-Y-HLD	Holder	PC	black	gloss	21.6
LEILA-Y-TAPE	Tape	Acrylic foam			18.0

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18090_LEILA-Y-SS » Box size: 476 x 273 x 197 mm	1800	180	180	7.2

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



INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C18082_LEILA-Y-RS	Lens	Pmma	Clear
1	C18083_LEILA-Y-SS	Lens	Pmma	Clear
1	C18084_LEILA-Y-M	Lens	Pmma	Clear
1	C18085_LEILA-Y-W	Lens	Pmma	Clear
1	C18086_LEILA-Y-WW	Lens	Pmma	Clear
1	C18087_LEILA-Y-O	Lens	Pmma	Clear
2	C18088_LEILA-Y-HLD	Holder	Pc	Black
3	C18224_LEILA-Y-TAPE	Tape	2-sided tape	Black

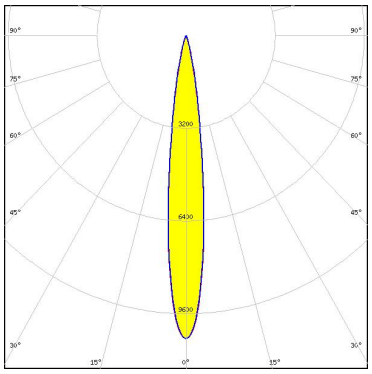
See also our general installation guide: www.ledil.com/installation_guide

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

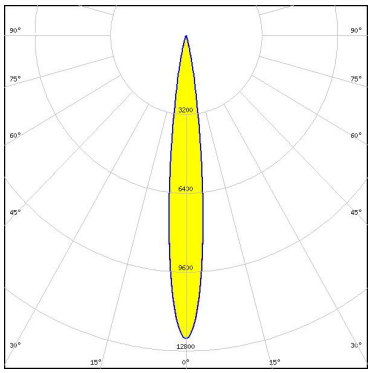
LED	XHP35 HI
FWHM / FWTM	14.0° / 27.0°
Efficiency	83 %
Peak intensity	10.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

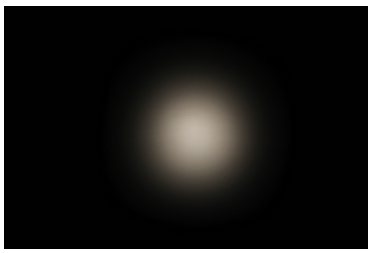
LED	XP-G4
FWHM / FWTM	13.0° / 25.0°
Efficiency	85 %
Peak intensity	12.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

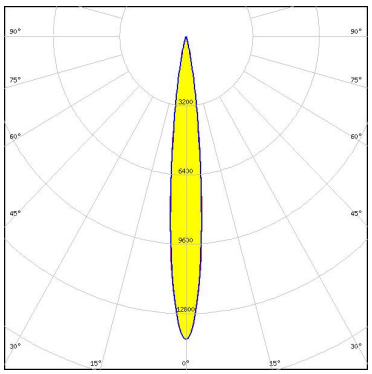


Light distribution files

NICHIA

LED	NVSW719AC
FWHM / FWTM	12.0° / 24.0°
Efficiency	85 %
Peak intensity	14 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





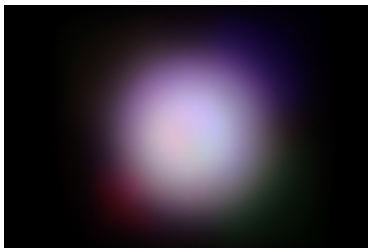
Light distribution files

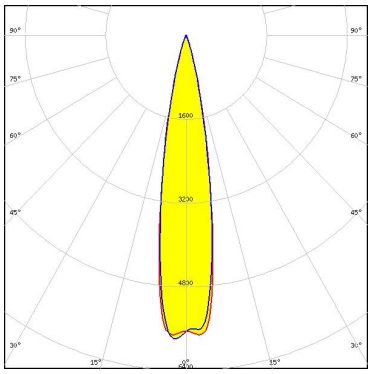
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	19.0° / 33.0°
Efficiency	80 %
Peak intensity	5.9 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

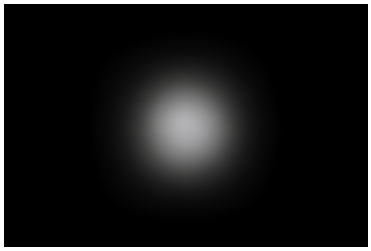


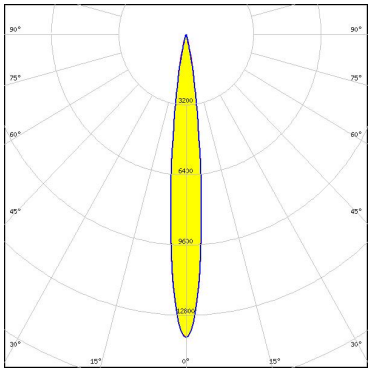


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	12.0° / 24.0°
Efficiency	84 %
Peak intensity	13.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





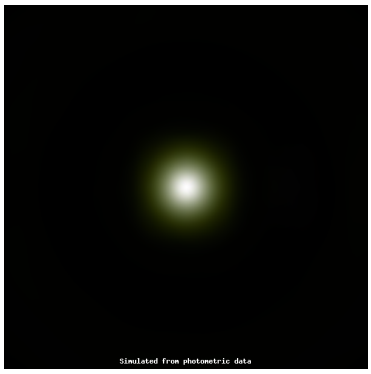
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

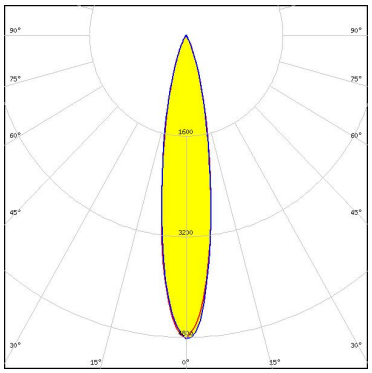
LED	J Series 3030C
FWHM / FWTM	13.0 + 14.0° / 27.0 + 28.0°
Efficiency	87 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

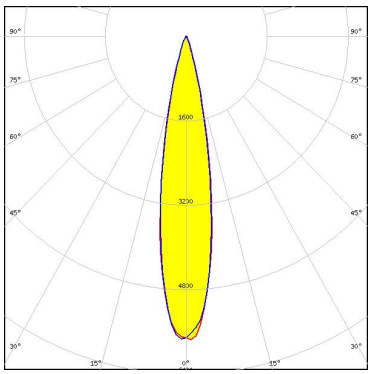
LED	J Series 5050 Round LES
FWHM / FWTM	19.0° / 42.0°
Efficiency	82 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XHP35 HD
FWHM / FWTM	20.0° / 36.0°
Efficiency	83 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



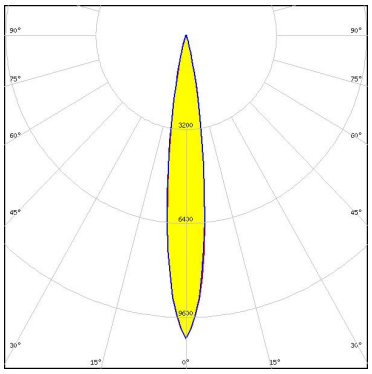
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

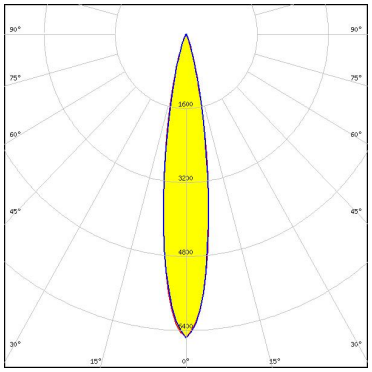
LED	XHP35 HI
FWHM / FWTM	14.0° / 28.0°
Efficiency	87 %
Peak intensity	10.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

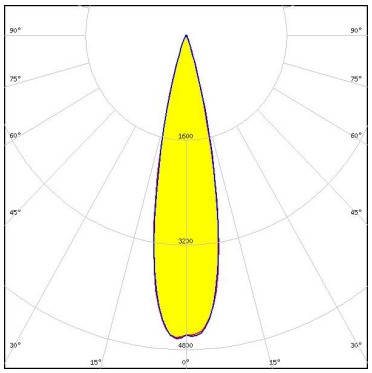
CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	18.0° / 34.0°
Efficiency	83 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



CREE LEDs

LED	XM-L RGBW (XMLDCL HD)
FWHM / FWTM	24.0° / 38.0°
Efficiency	83 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



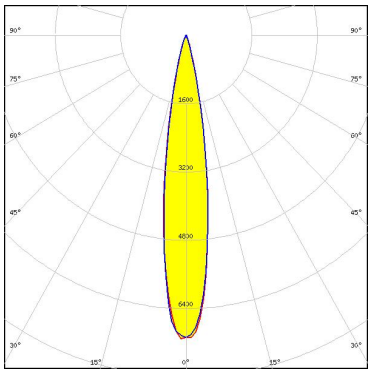
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XM-L3
FWHM / FWTM	17.0° / 31.0°
Efficiency	80 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



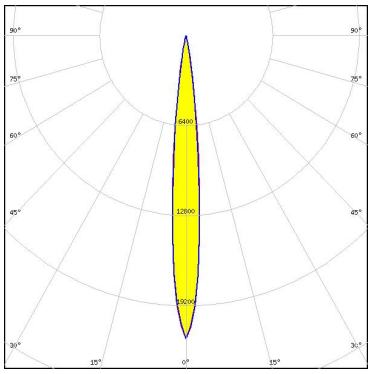
Light distribution files

CREE LEDs

LED	XP-E
FWHM / FWTM	10.0° / 20.0°
Efficiency	90 %
Peak intensity	20.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

CREE LEDs

LED	XP-E2
FWHM / FWTM	11.0° / 20.0°
Efficiency	91 %
Peak intensity	21 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



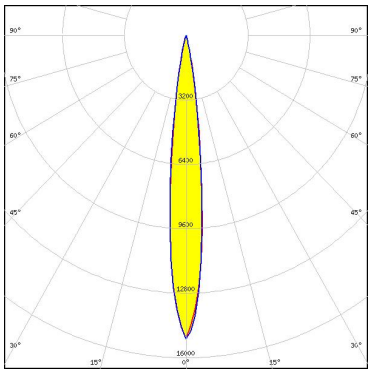
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

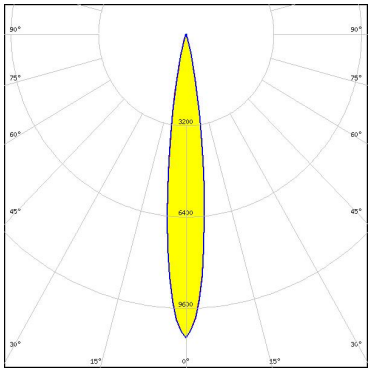
LED	XP-G2
FWHM / FWTM	13.0° / 24.0°
Efficiency	90 %
Peak intensity	15 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

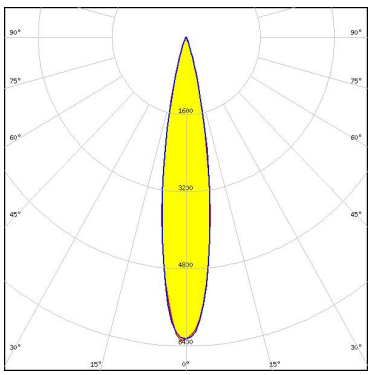
LED	XP-G3
FWHM / FWTM	14.0° / 27.0°
Efficiency	84 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-L2
FWHM / FWTM	18.0° / 34.0°
Efficiency	81 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



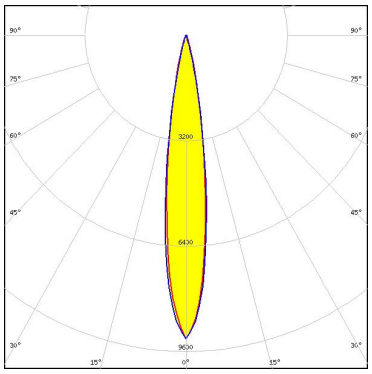
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

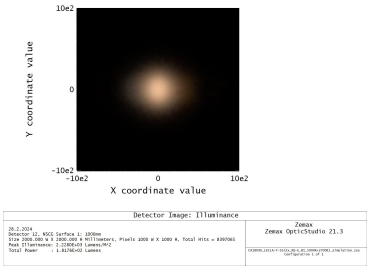
LED	XQ-E HD
FWHM / FWTM	15.0 + 16.0° / 30.0 + 28.0°
Efficiency	86 %
Peak intensity	9.2 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	

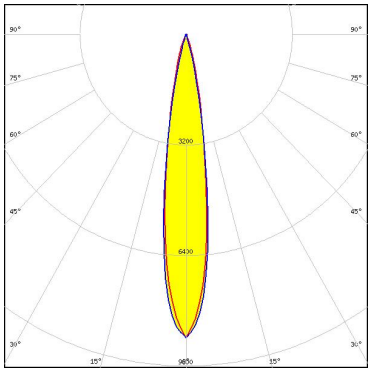


Light distribution files

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	16.0° / 33.0 + 30.0°
Efficiency	87 %
Peak intensity	8.8 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	

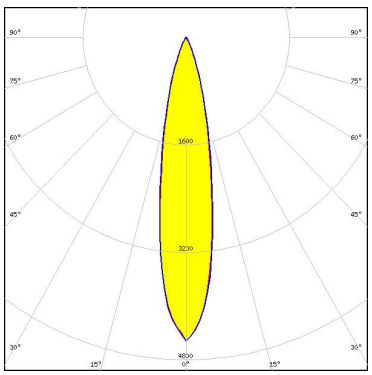




Light distribution files

LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	20.0° / 43.0°
Efficiency	82 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



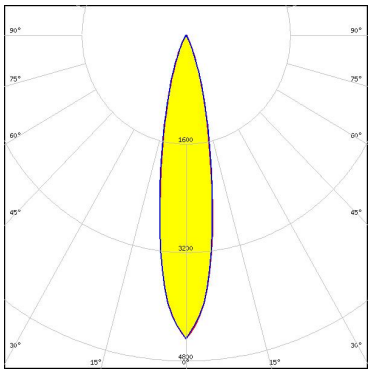
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

LUMILEDS

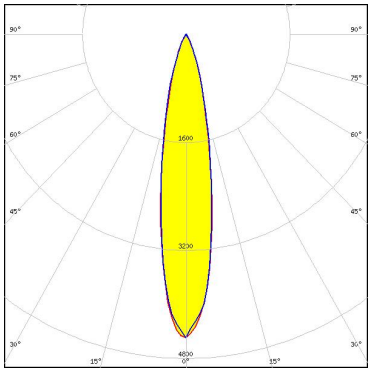
LED	LUXEON 5050 Round LES
FWHM / FWTM	20.0° / 42.0°
Efficiency	82 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

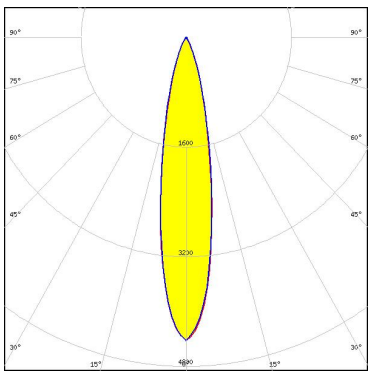
LED	LUXEON 5050 Square LES
FWHM / FWTM	20.0° / 43.0°
Efficiency	81 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	20.0° / 44.0°
Efficiency	81 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



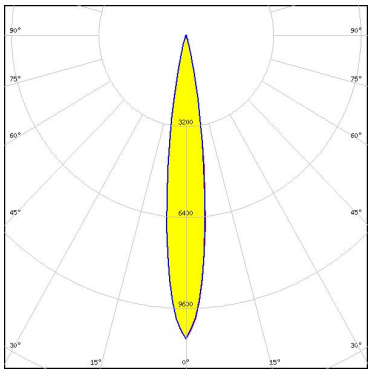
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

LUMILEDS

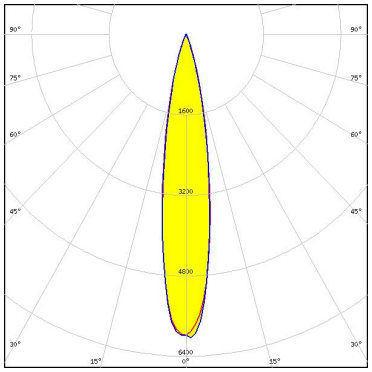
LED	LUXEON HL2X
FWHM / FWTM	14.0° / 28.0°
Efficiency	87 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

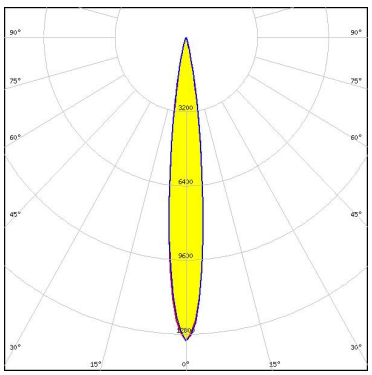
LED	LUXEON MZ
FWHM / FWTM	18.0° / 36.0°
Efficiency	84 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	13.0° / 25.0°
Efficiency	88 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



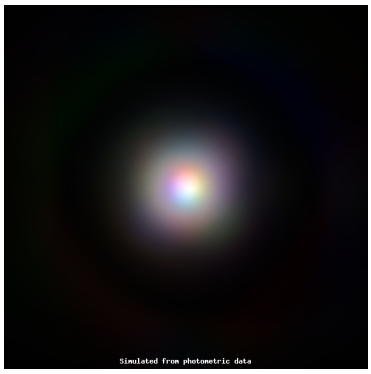
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

NICHIA

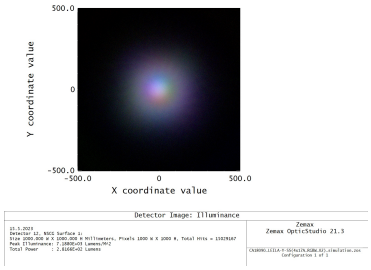
LED	NCSxE17A
FWHM / FWTM	17.0 + 18.0° / 44.0°
Efficiency	78 %
Peak intensity	4.3 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

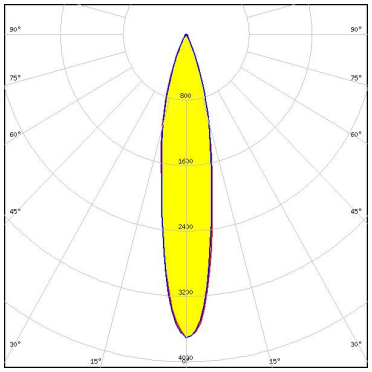


Light distribution files

NICHIA

LED	NCSxE17A
FWHM / FWTM	20.0° / 46.0°
Efficiency	75 %
Peak intensity	3.7 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

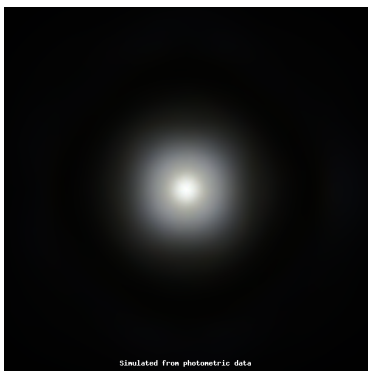




Light distribution files

NICHIA

LED	NCSxE17A
FWHM / FWTM	16.0° / 44.0°
Efficiency	77 %
Peak intensity	4.3 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.

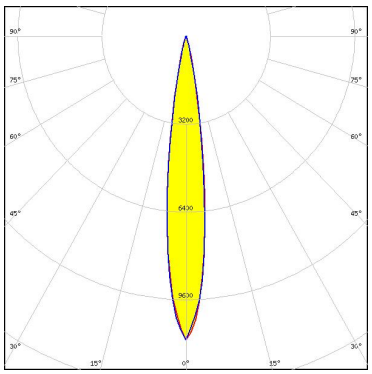
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NF2x757G
FWHM / FWTM	14.0° / 28.0°
Efficiency	87 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

NICHIA

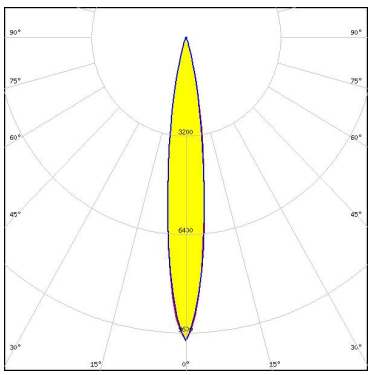
LED	NVSW219F
FWHM / FWTM	14.0° / 27.0°
Efficiency	88 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	14.0° / 30.0°
Efficiency	84 %
Peak intensity	9.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

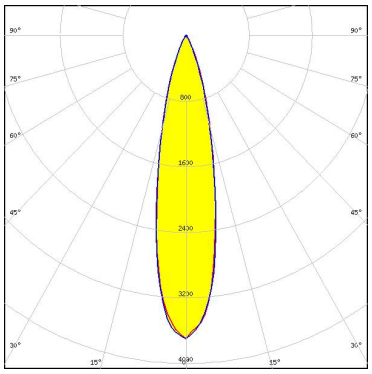


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

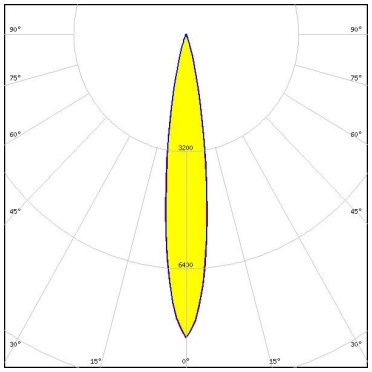
LED	Duris S8
FWHM / FWTM	23.0° / 47.0°
Efficiency	80 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

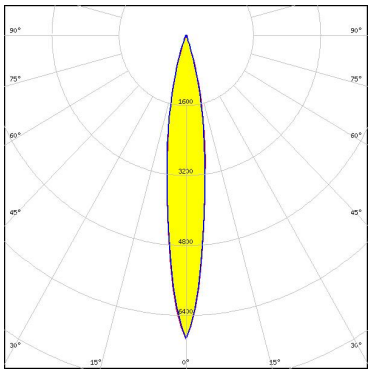
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	16.0° / 32.0°
Efficiency	86 %
Peak intensity	8.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON PURE 1010
FWHM / FWTM	15.0° / 34.0°
Efficiency	79 %
Peak intensity	6.9 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



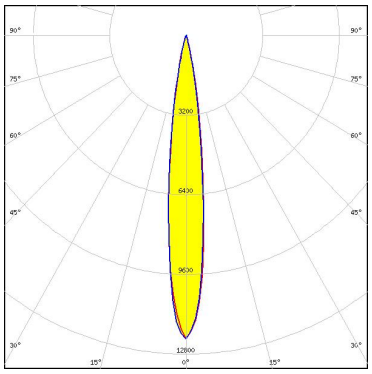
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	14.0° / 27.0°
Efficiency	88 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



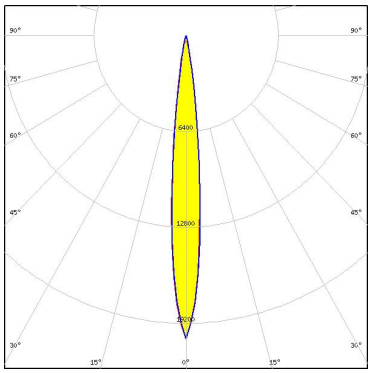
Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	10.0° / 21.0°
Efficiency	91 %
Peak intensity	20.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	11.0° / 21.0°
Efficiency	91 %
Peak intensity	20 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



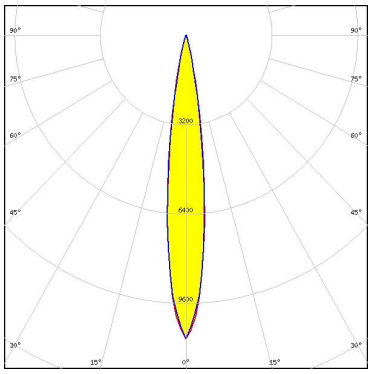
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

SAMSUNG

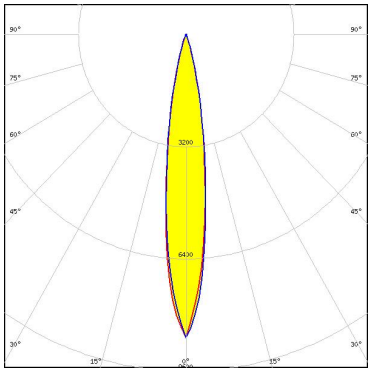
LED	LH351B
FWHM / FWTM	14.0° / 28.0°
Efficiency	86 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	16.0° / 32.0°
Efficiency	87 %
Peak intensity	8.7 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.

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 13
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

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