

TINA-Y-SS

~16° smooth spot beam. Assembly with holder, installation tape and pins.



SPECIFICATION:

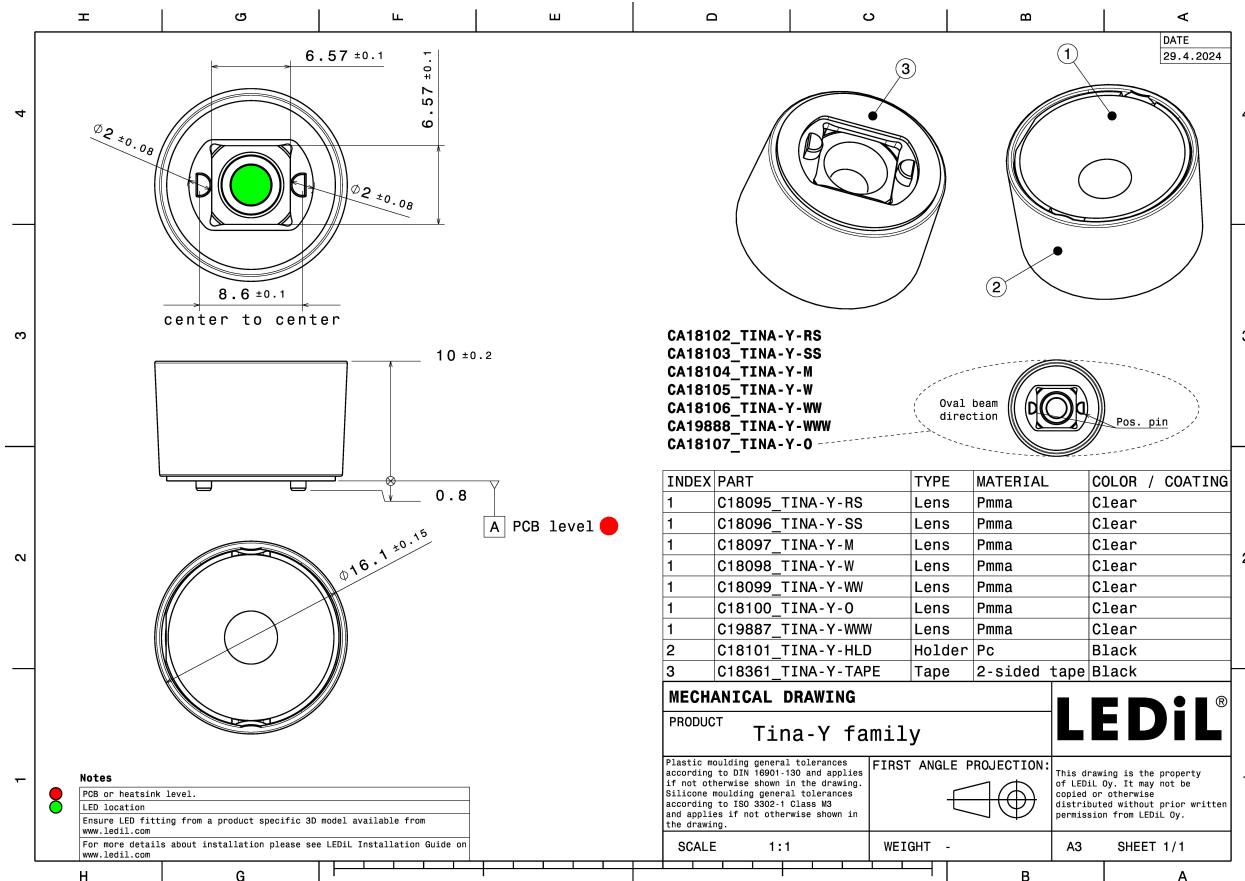
Dimensions	Ø 16.1
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes 

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-Y-HLD	Holder	PC	black	gloss	
TINA-Y-SS	Single lens	PMMA	clear	gloss	
TINA-Y-TAPE	Tape	Acryl tape			

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18103_TINA-Y-SS » Box size: 476 x 273 x 197 mm	3900	300	300	5.7

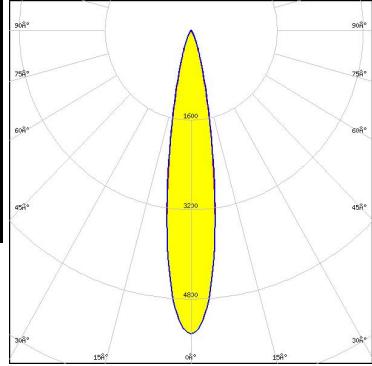


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



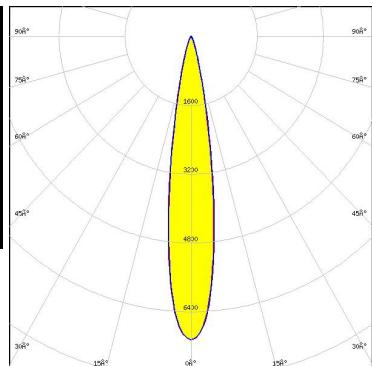
LED XP-G3
FWHM / FWTM 18.0° / 37.0°
Efficiency 81 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



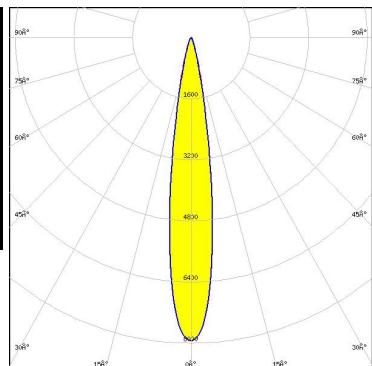
LED XP-G4
FWHM / FWTM 17.0° / 33.0°
Efficiency 87 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW719AC
FWHM / FWTM 17.0° / 31.0°
Efficiency 87 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

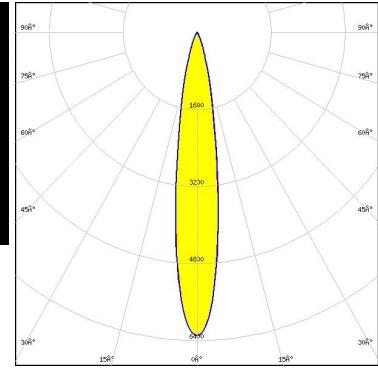


Light distribution files

OPTICAL RESULTS (MEASURED):

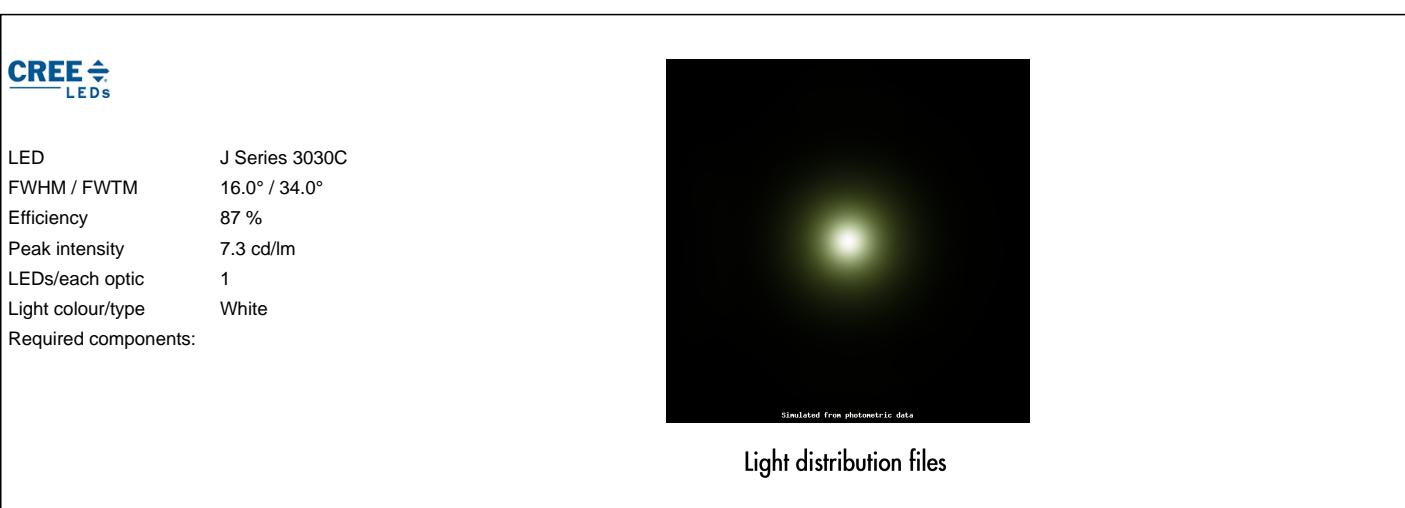
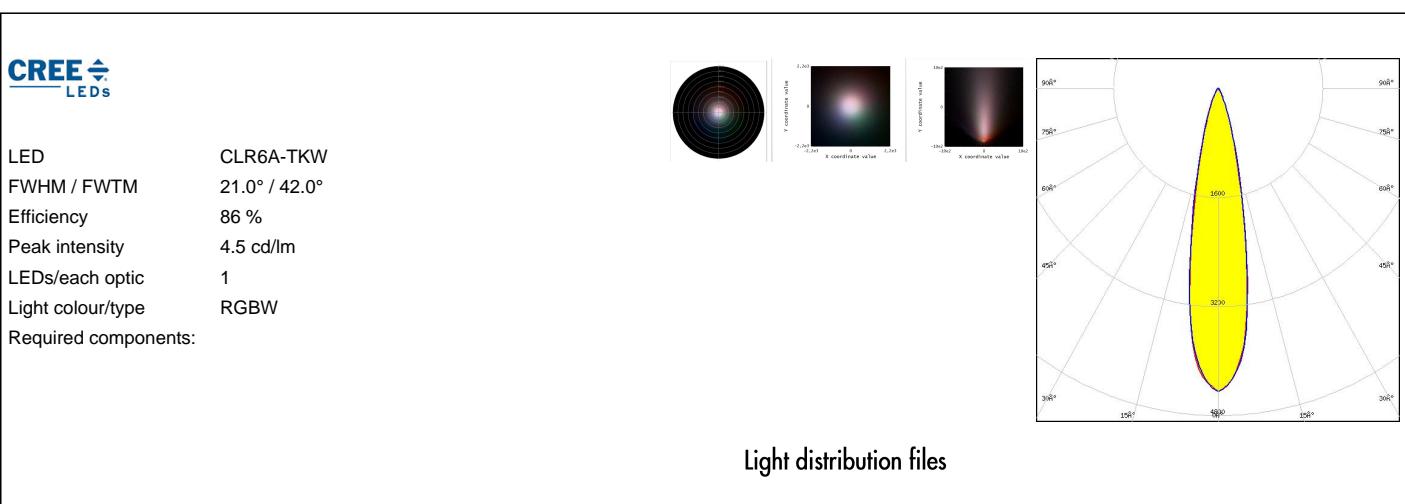
OSRAM
Opto Semiconductors

LED OSCONIQ C 3030
FWHM / FWTM 16.0° / 36.0°
Efficiency 83 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

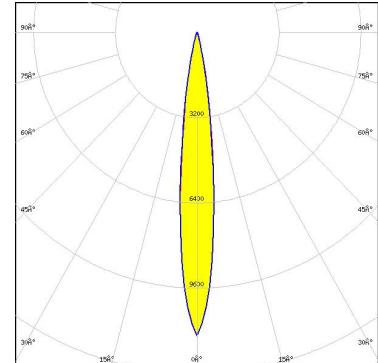
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



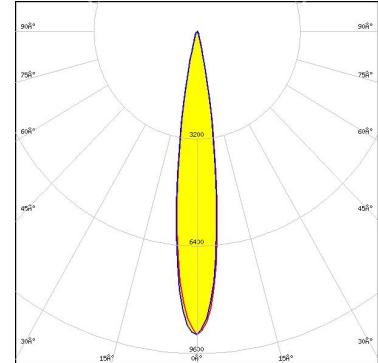
LED	XD16 Premium
FWHM / FWTM	14.0° / 26.0°
Efficiency	86 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



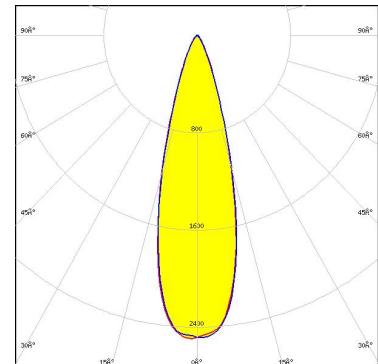
LED	XE-G
FWHM / FWTM	16.0° / 28.0°
Efficiency	87 %
Peak intensity	9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XHP35.2 HD
FWHM / FWTM	28.0° / 52.0°
Efficiency	75 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

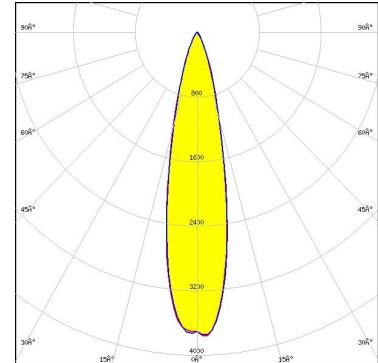


Light distribution files

OPTICAL RESULTS (SIMULATED):



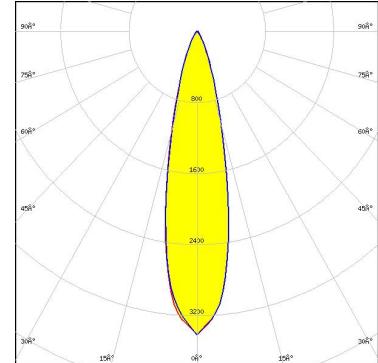
LED XHP35.2 HI
 FWHM / FWTM 22.0° / 46.0°
 Efficiency 83 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



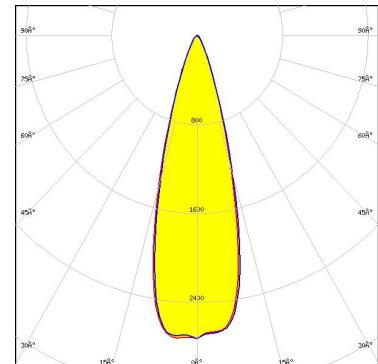
LED XHP50.3 HI
 FWHM / FWTM 24.0° / 48.0°
 Efficiency 82 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 30.0° / 50.0°
 Efficiency 85 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:

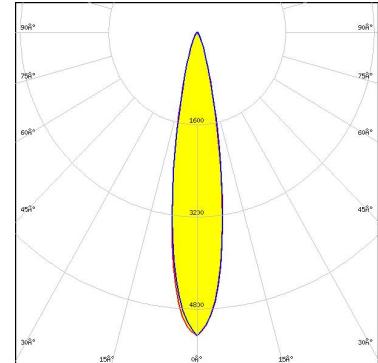


Light distribution files

OPTICAL RESULTS (SIMULATED):



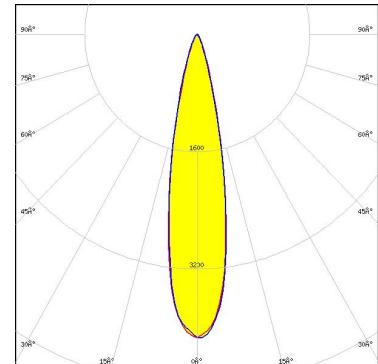
LED	XM-L RGBW (XMLDCL HI)
FWHM / FWTM	20.0° / 38.0°
Efficiency	85 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



Light distribution files



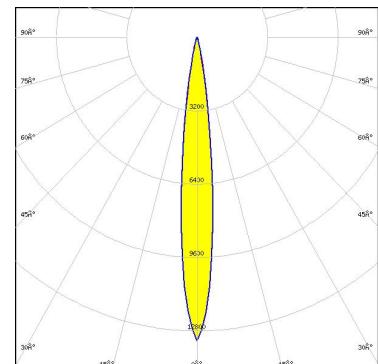
LED	XM-L3
FWHM / FWTM	21.0° / 42.0°
Efficiency	80 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XP-E2
FWHM / FWTM	12.0° / 24.0°
Efficiency	88 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

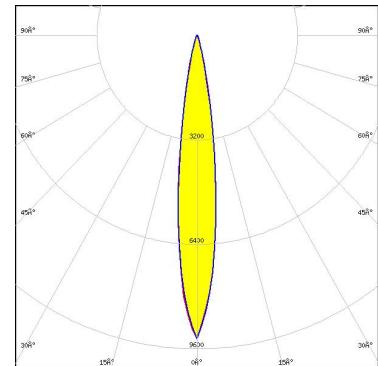


Light distribution files

OPTICAL RESULTS (SIMULATED):



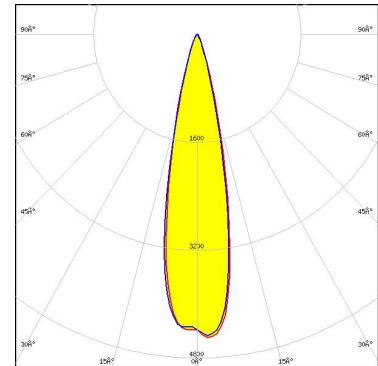
LED	XP-G2
FWHM / FWTM	15.0° / 28.0°
Efficiency	87 %
Peak intensity	9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



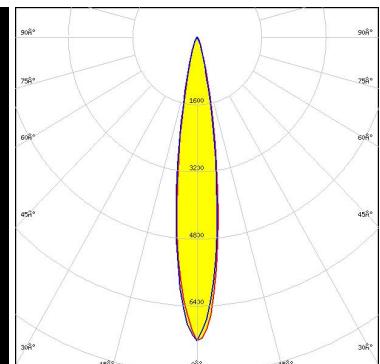
LED	XP-L RGBW HD
FWHM / FWTM	23.0° / 39.0°
Efficiency	87 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



Light distribution files



LED	XP-L RGBW HI Blend
FWHM / FWTM	16.0° / 32.0°
Efficiency	84 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

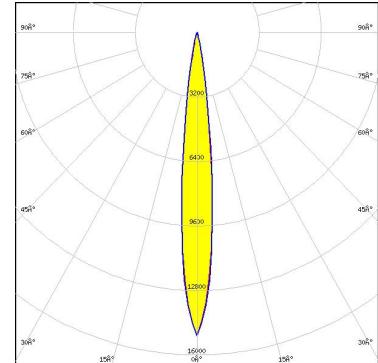


Light distribution files

OPTICAL RESULTS (SIMULATED):



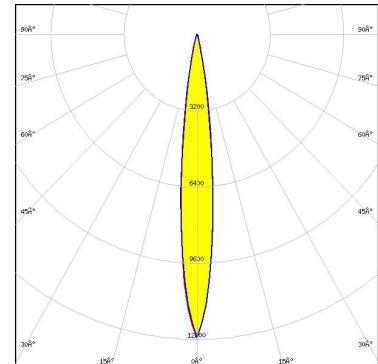
LED	XP-P
FWHM / FWTM	12.0° / 22.0°
Efficiency	89 %
Peak intensity	15.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



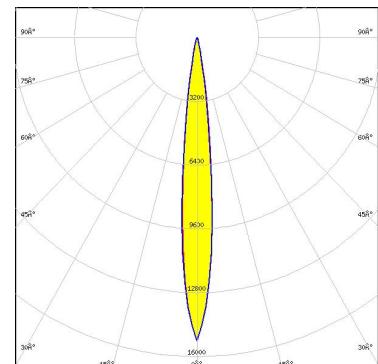
LED	XQ-E HD
FWHM / FWTM	12.0° / 24.0°
Efficiency	87 %
Peak intensity	12.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XQ-E HI
FWHM / FWTM	12.0° / 22.0°
Efficiency	87 %
Peak intensity	15.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

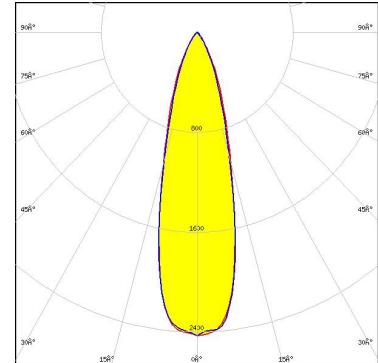


Light distribution files

OPTICAL RESULTS (SIMULATED):



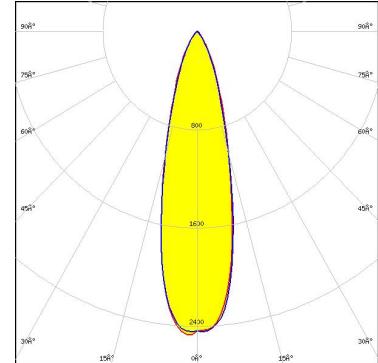
LED LUXEON 5050 Round LES
FWHM / FWTM 28.0° / 56.0°
Efficiency 80 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



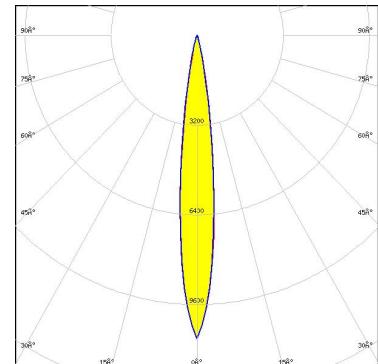
LED LUXEON 5050 Square LES
FWHM / FWTM 26.0° / 56.0°
Efficiency 78 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON C
FWHM / FWTM 14.0° / 26.0°
Efficiency 79 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

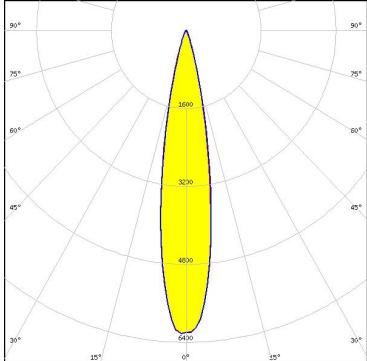


Light distribution files

OPTICAL RESULTS (SIMULATED):



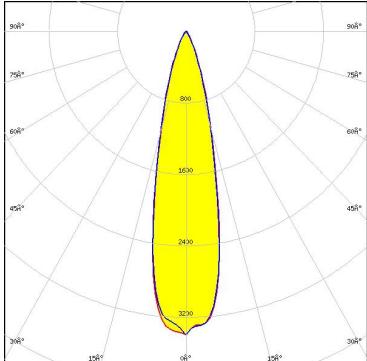
LED	LUXEON HL2X-V
FWHM / FWTM	19.0 + 20.0° / 35.0 + 34.0°
Efficiency	89 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



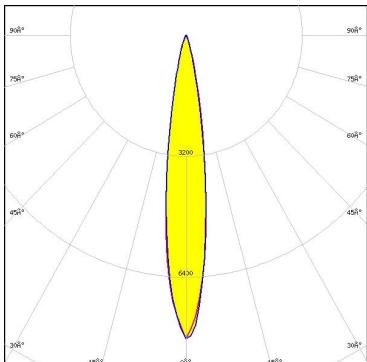
LED	LUXEON MZ
FWHM / FWTM	24.0° / 47.0°
Efficiency	81 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	LUXEON TX
FWHM / FWTM	15.0° / 30.0°
Efficiency	84 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

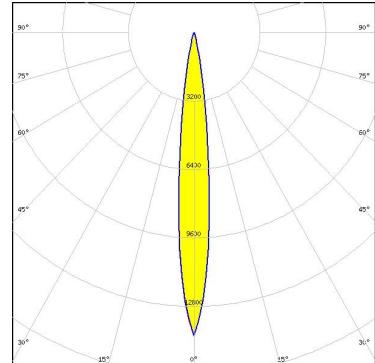


Light distribution files

OPTICAL RESULTS (SIMULATED):



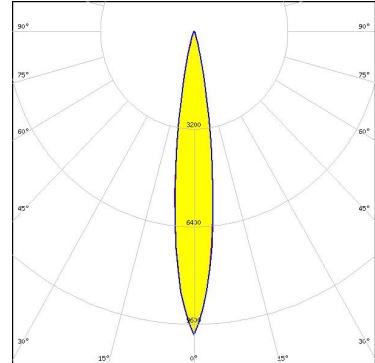
LED SFT-25R-W-A
FWHM / FWTM 12.0° / 24.0°
Efficiency 89 %
Peak intensity 14.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



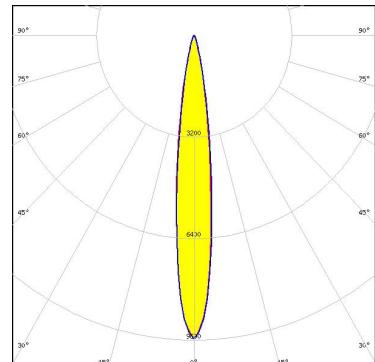
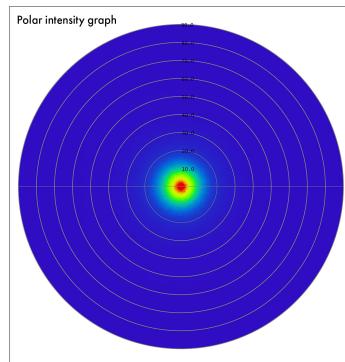
LED SFT-40 Gen2
FWHM / FWTM 14.0° / 28.0°
Efficiency 90 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-10-IR-B90
FWHM / FWTM 13.0° / 28.0°
Efficiency 87 %
LEDs/each optic 1
Light colour/type IR
Required components:

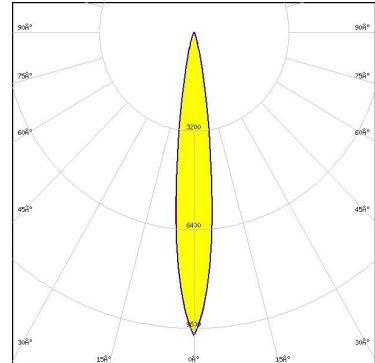


Light distribution files

OPTICAL RESULTS (SIMULATED):



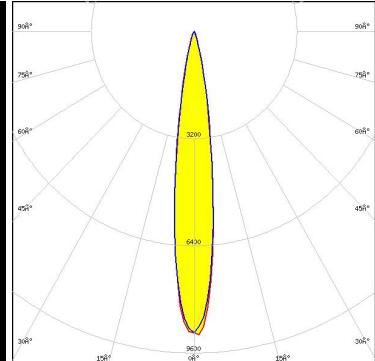
LED SST-20 Gen1
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 86 %
 Peak intensity 9.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



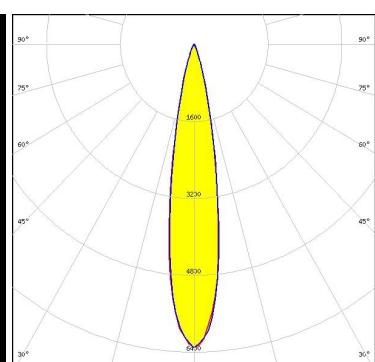
LED SST-20 Gen2
 FWHM / FWTM 14.0 + 15.0° / 30.0 + 29.0°
 Efficiency 86 %
 Peak intensity 9.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-20F-W
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 89 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

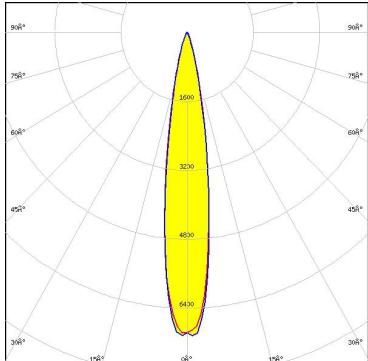


Light distribution files

OPTICAL RESULTS (SIMULATED):



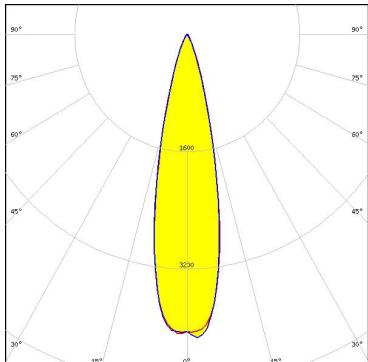
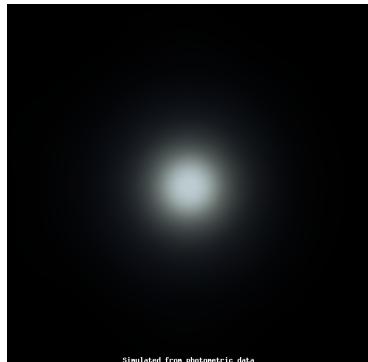
LED	SST-25-W
FWHM / FWTM	18.0 + 16.0° / 34.0°
Efficiency	86 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



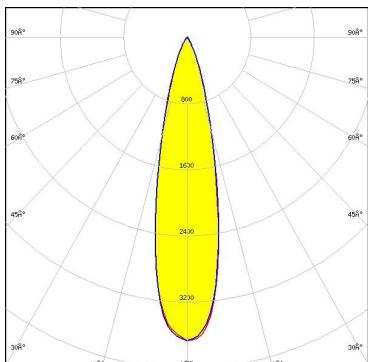
LED	SST-36F-W
FWHM / FWTM	24.0° / 43.0 + 44.0°
Efficiency	87 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	NV4WB35AM
FWHM / FWTM	24.0° / 46.0°
Efficiency	85 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



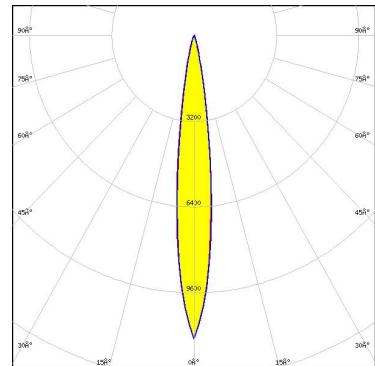
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	NVSW219C-V2
FWHM / FWTM	14.0° / 26.0°
Efficiency	88 %
Peak intensity	11.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Required components:

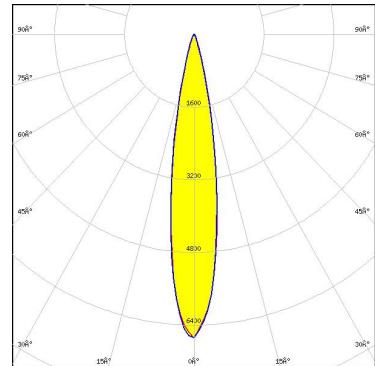


Light distribution files



LED	NVSW219F-V2
FWHM / FWTM	18.0° / 33.0°
Efficiency	87 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

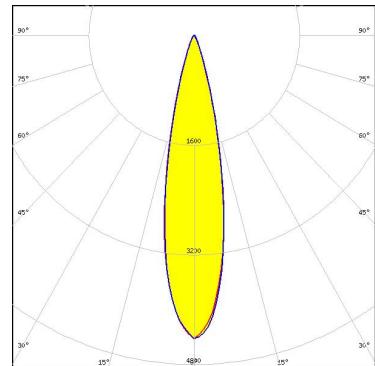


Light distribution files



LED	NVSW519A
FWHM / FWTM	22.0° / 40.0°
Efficiency	83 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Required components:

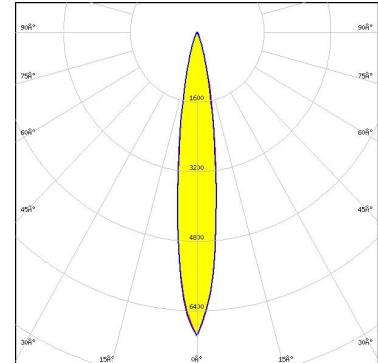


Light distribution files

OPTICAL RESULTS (SIMULATED):



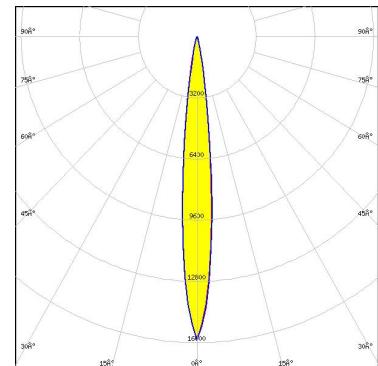
LED	NVSxE21A
FWHM / FWTM	16.0° / 34.0°
Efficiency	79 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



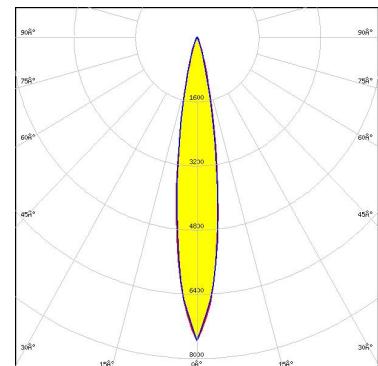
LED	OSLON Pure 1414
FWHM / FWTM	12.0° / 22.0°
Efficiency	89 %
Peak intensity	15.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	16.0° / 32.0°
Efficiency	86 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



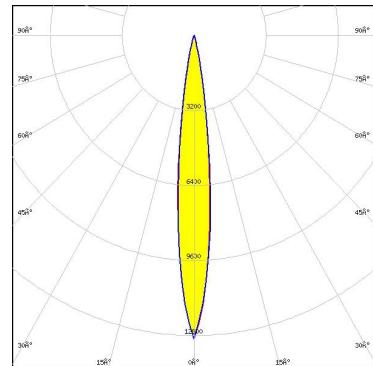
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 13.0° / 25.0°
Efficiency 88 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

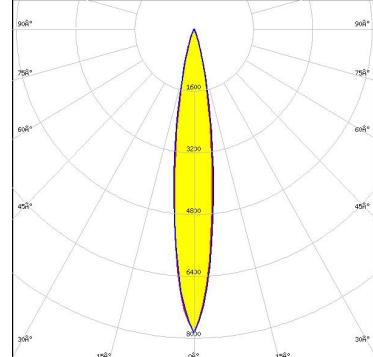
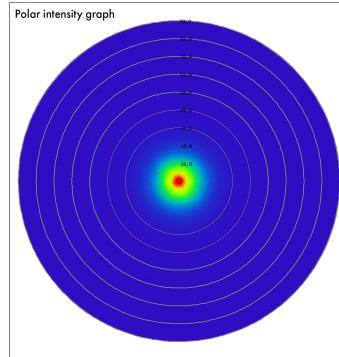


Light distribution files

OSRAM

Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 16.0° / 33.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type IR
Required components:

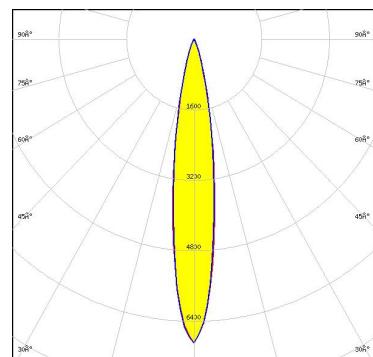
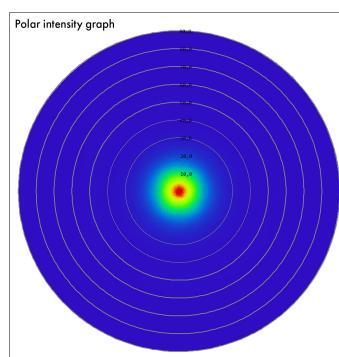


Light distribution files

OSRAM

Opto Semiconductors

LED SFH 4725AS
FWHM / FWTM 16.0° / 34.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type IR
Required components:

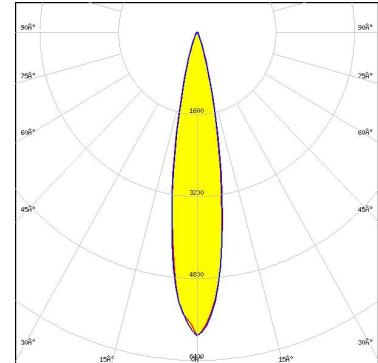


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LH351C
FWHM / FWTM 19.0° / 36.0°
Efficiency 87 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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