OLGA-RS2

~4° spot beam beam. Optimized for high-power 3535 size LED packages. Assembly with holder and installation tape.

SPECIFICATION:

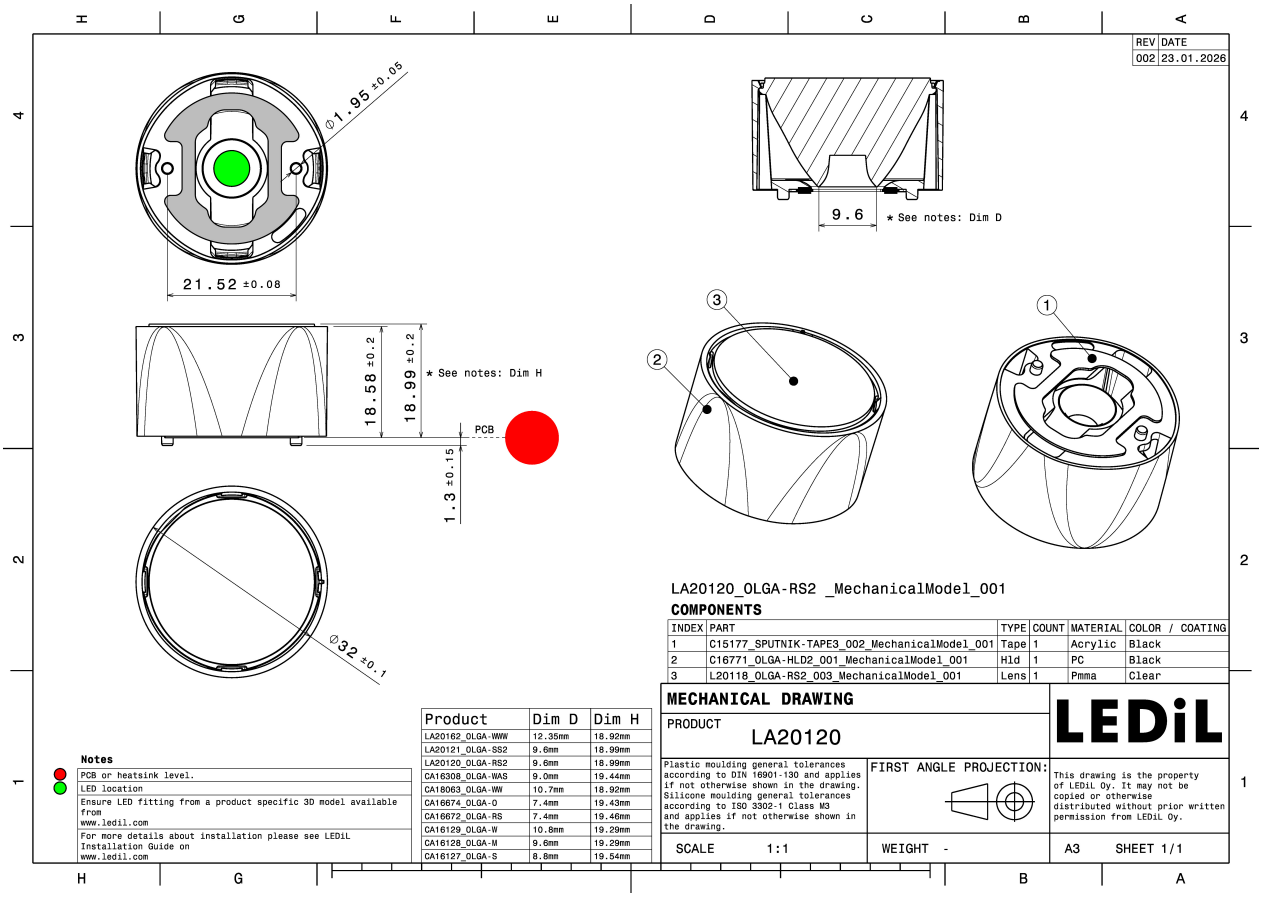
Dimensions	Ø 32.0
Height	19 mm
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
OLGA-HLD2	Holder	PC	black		
OLGA-RS2	Single lens	PMMA	clear	gloss	
SPUTNIK-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
LA20120_OLGA-RS2 » Box size: 476 x 273 x 292 mm	792	132	66	9.8



LA20120_OLGA-RS2 _MechanicalModel_001

COMPONENTS

INDEX	PART	TYPE	COUNT	MATERIAL	COLOR / COATING
1	C15177_SPUTNIK-TAPE3_002_MechanicalModel_001	Tape	1	Acrylic	Black
2	C16771_OLGA-HLD2_001_MechanicalModel_001	Hld	1	PC	Black
3	L20118_OLGA-RS2_003_MechanicalModel_001	Lens	1	Pmma	Clear

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

Product	Dim D	Dim H
LA20162_OLGA-WWW	12.35mm	18.92mm
LA20121_OLGA-SS2	9.6mm	18.99mm
LA20120_OLGA-RS2	9.6mm	18.99mm
CA16308_OLGA-WAS	9.0mm	19.44mm
CA18083_OLGA-WW	10.7mm	18.92mm
CA16674_OLGA-O	7.4mm	19.43mm
CA16672_OLGA-RS	7.4mm	19.46mm
CA16129_OLGA-W	10.8mm	19.29mm
CA16128_OLGA-M	9.6mm	19.29mm
CA16127_OLGA-S	8.8mm	19.54mm

MECHANICAL DRAWING

PRODUCT
LA20120

LEDiL

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

SCALE 1:1 | WEIGHT - | A3 SHEET 1/1

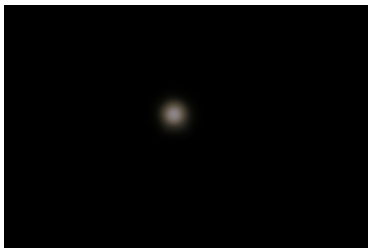
See also our general installation guide: www.ledil.com/installation_guide

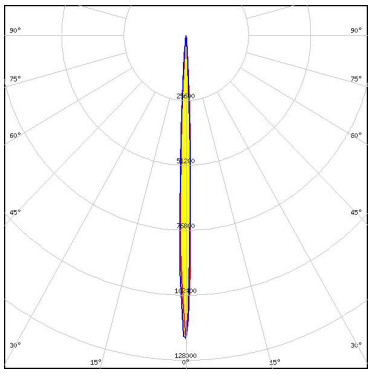
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	4.0° / 8.0°
Efficiency	95 %
Peak intensity	120 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:



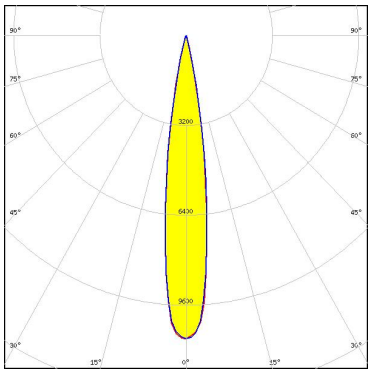


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

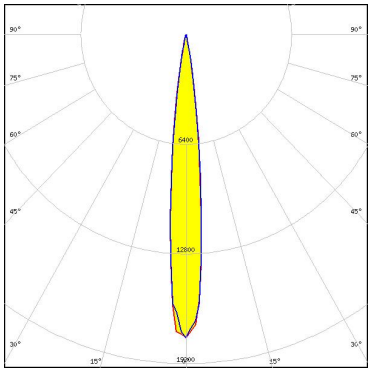
LED	XHP35.2 HD
FWHM / FWTM	16.0° / 26.0°
Efficiency	90 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

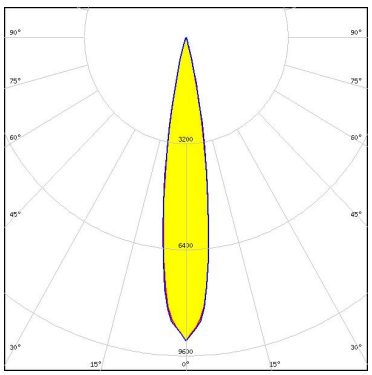
LED	XHP35.2 HI
FWHM / FWTM	12.0° / 22.0°
Efficiency	93 %
Peak intensity	17.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XHP50.3 HD
FWHM / FWTM	17.0° / 28.0°
Efficiency	90 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

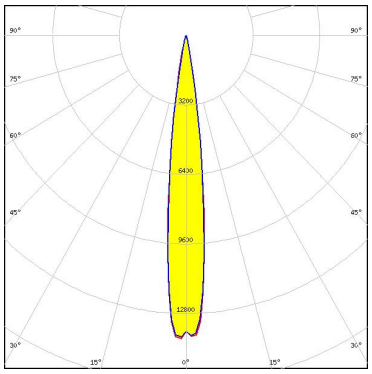


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

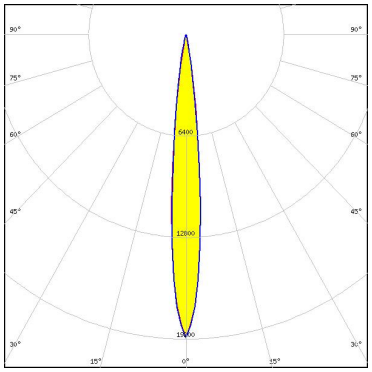
LED	XHP50.3 HI
FWHM / FWTM	13.0° / 23.0°
Efficiency	93 %
Peak intensity	14 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

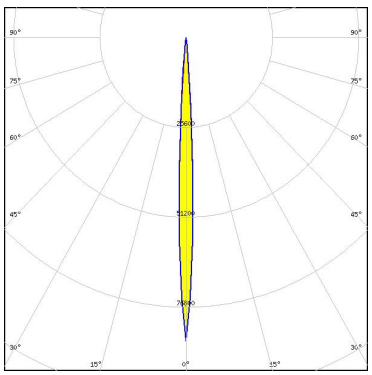
LED	XM-L3
FWHM / FWTM	11.0° / 21.0°
Efficiency	90 %
Peak intensity	19.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-E2
FWHM / FWTM	5.0° / 10.0°
Efficiency	95 %
Peak intensity	86.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

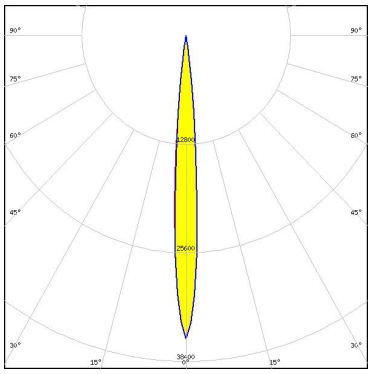


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

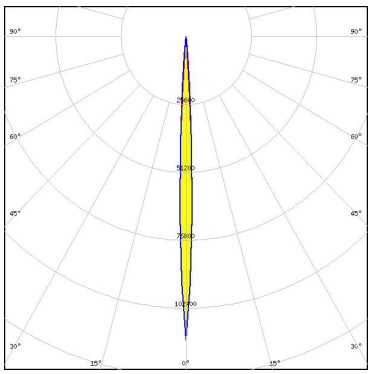
LED	XP-G4
FWHM / FWTM	9.0° / 15.0°
Efficiency	94 %
Peak intensity	35.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

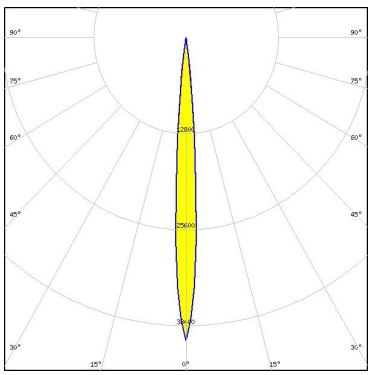
LED	XP-GR
FWHM / FWTM	4.6° / 9.0°
Efficiency	95 %
Peak intensity	114.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-L HI
FWHM / FWTM	8.0° / 14.0°
Efficiency	94 %
Peak intensity	40.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

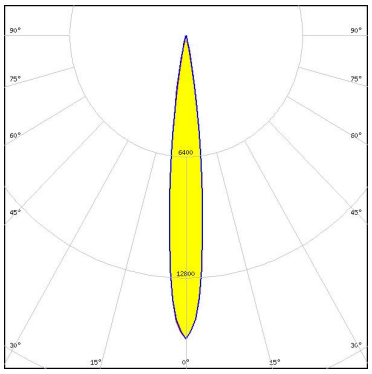


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

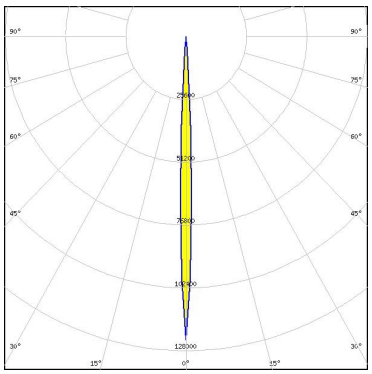
LED	XP-L2
FWHM / FWTM	13.0° / 22.0°
Efficiency	91 %
Peak intensity	16 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

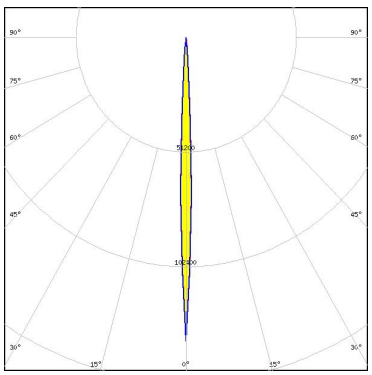
LED	XP-P
FWHM / FWTM	4.0° / 8.0°
Efficiency	95 %
Peak intensity	123.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	4.0° / 8.0°
Efficiency	95 %
Peak intensity	135.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

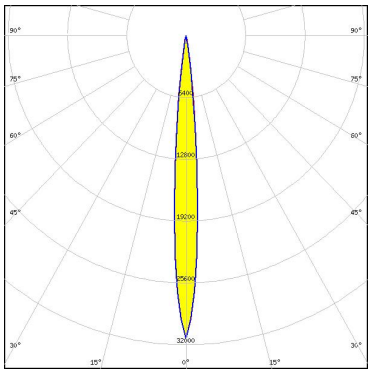


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

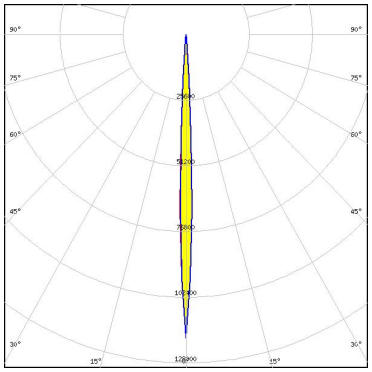
LED	LUXEON HL4Z
FWHM / FWTM	10.0° / 16.0°
Efficiency	94 %
Peak intensity	31.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

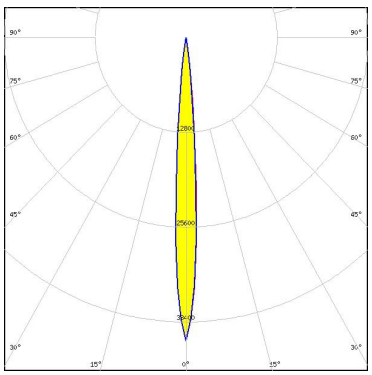
LED	LUXEON Rubix
FWHM / FWTM	4.0° / 8.0°
Efficiency	95 %
Peak intensity	118.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	8.0° / 14.0°
Efficiency	94 %
Peak intensity	41 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

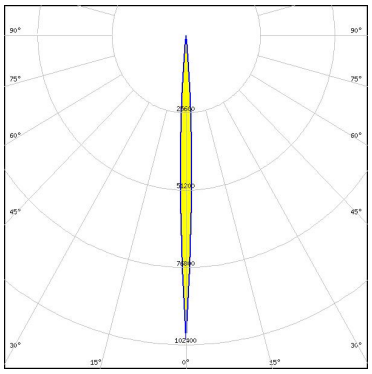


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMINUS

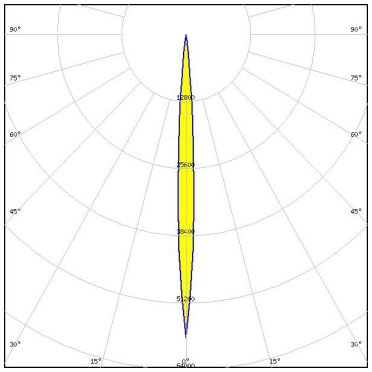
LED	SFT-12R-W-A
FWHM / FWTM	4.0° / 10.0°
Efficiency	93 %
Peak intensity	100.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

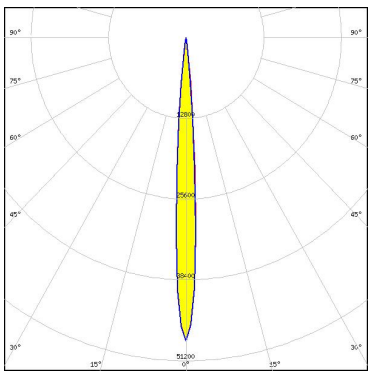
LED	SST-12 Gen2
FWHM / FWTM	6.0° / 12.0°
Efficiency	93 %
Peak intensity	57.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

LED	SST-20 Gen2
FWHM / FWTM	8.0° / 14.0°
Efficiency	93 %
Peak intensity	48.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

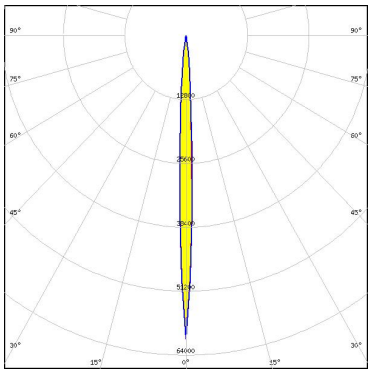


Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA

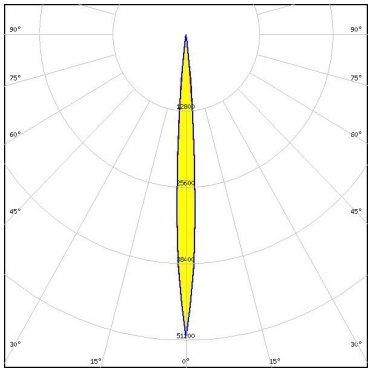
LED	NCSxE17A
FWHM / FWTM	4.0° / 14.0°
Efficiency	90 %
Peak intensity	60.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

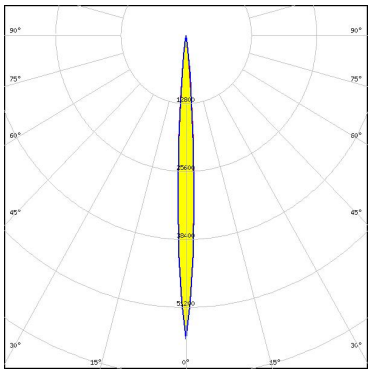
LED	NVSW219C-V2
FWHM / FWTM	8.0° / 14.0°
Efficiency	94 %
Peak intensity	50.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424 Gen1
FWHM / FWTM	6.0° / 12.0°
Efficiency	95 %
Peak intensity	57 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

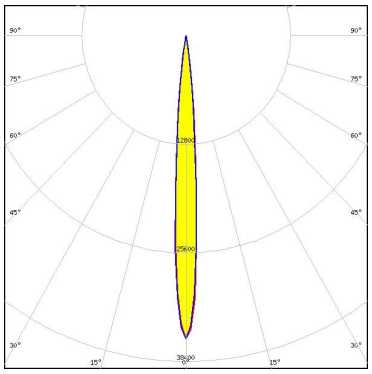


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

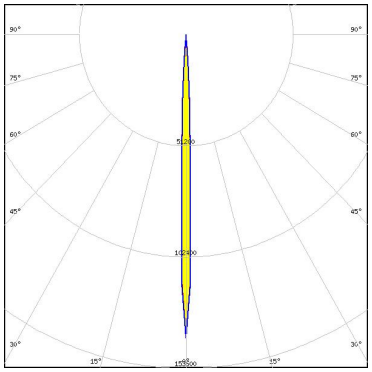
LED	OSCONIQ C 3030
FWHM / FWTM	8.0° / 16.0°
Efficiency	94 %
Peak intensity	35.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

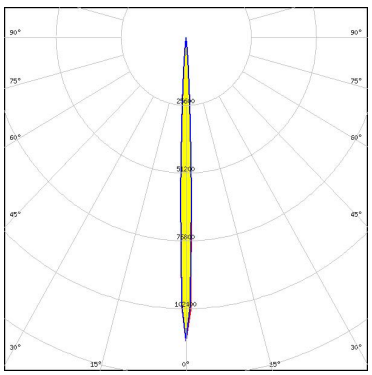
LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	3.4° / 8.0°
Efficiency	95 %
Peak intensity	139.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Black Flat X (KW HHL631.TK)
FWHM / FWTM	4.0° / 9.0°
Efficiency	95 %
Peak intensity	114.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

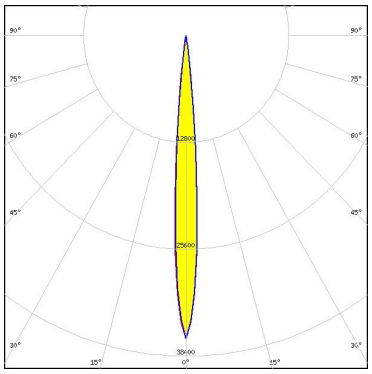


Light distribution files

OPTICAL RESULTS (SIMULATED):

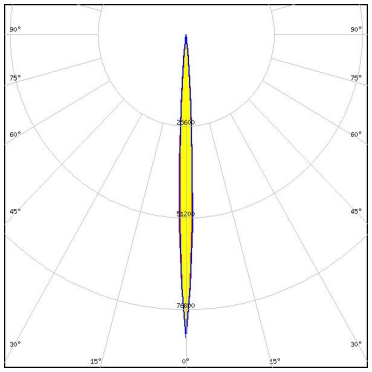
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	8.0° / 15.0°
Efficiency	93 %
Peak intensity	36.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OSRAM
Opto Semiconductors

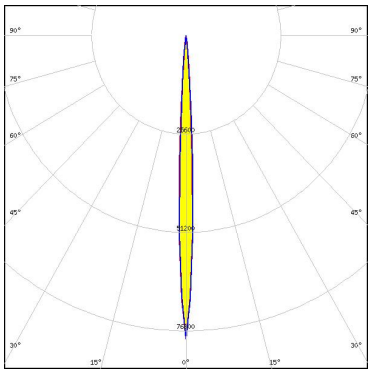
LED	OSLON SSL 150
FWHM / FWTM	5.0° / 10.0°
Efficiency	95 %
Peak intensity	84.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	6.0° / 10.0°
Efficiency	92 %
Peak intensity	78.9 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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