OLGA-RS

~9° spot beam beam. Optimized for high-power 3535 size LED packages. Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

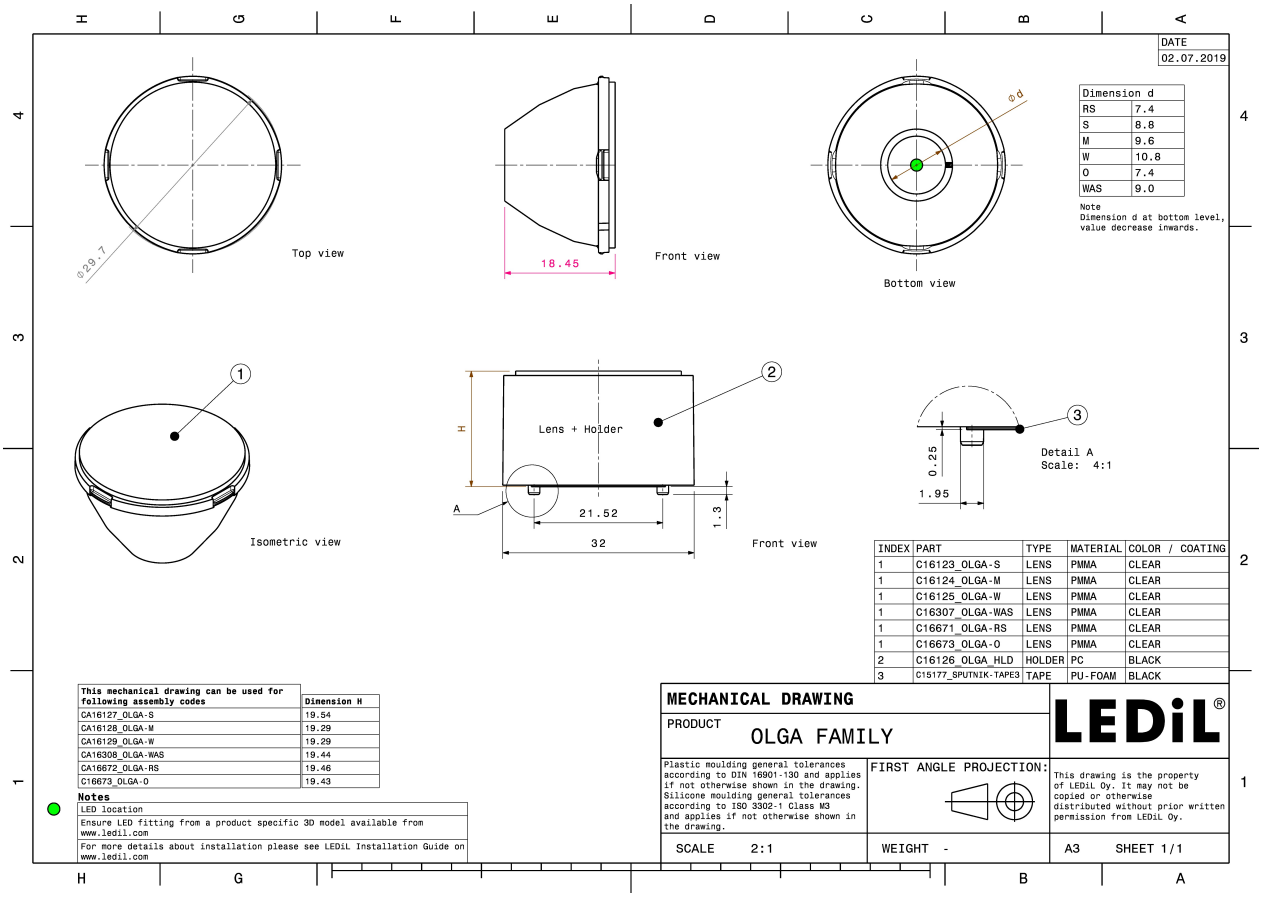
Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
OLGA-RS	Single lens	PMMA	clear	
OLGA-HLD	Holder	PC	black	
SPUTNIK-TAPE3	Tape	PU tape	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16672_OLGA-RS » Box size: 476 x 273 x 292 mm	Single lens	792	132	66	9.8



INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C16123_OLGA-S	LENS	PMMA	CLEAR
1	C16124_OLGA-M	LENS	PMMA	CLEAR
1	C16125_OLGA-W	LENS	PMMA	CLEAR
1	C16307_OLGA-WAS	LENS	PMMA	CLEAR
1	C16671_OLGA-RS	LENS	PMMA	CLEAR
1	C16673_OLGA-O	LENS	PMMA	CLEAR
2	C16126_OLGA_HLD	HOLDER	PC	BLACK
3	C15177_SPUTNIK-TAPE3	TAPE	PU-FOAM	BLACK

This mechanical drawing can be used for following assembly codes	Dimension H
CA16127_OLGA-S	19.54
CA16128_OLGA-M	19.29
CA16129_OLGA-W	19.29
CA16308_OLGA-WAS	19.44
CA16672_OLGA-RS	19.46
C16673_OLGA-O	19.43

Notes

- 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

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.

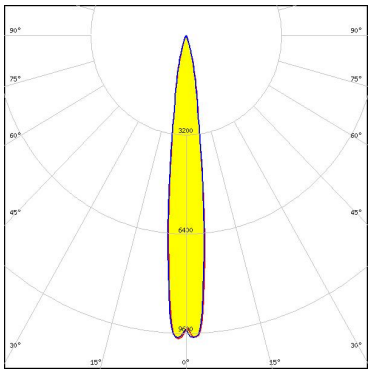
See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XHP35 HD
FWHM	13.0°
Efficiency	84 %
Peak intensity	9.8 cd/lm
LEDs/each optic	1
Light colour	White

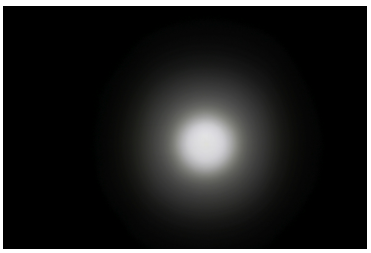
Required components:

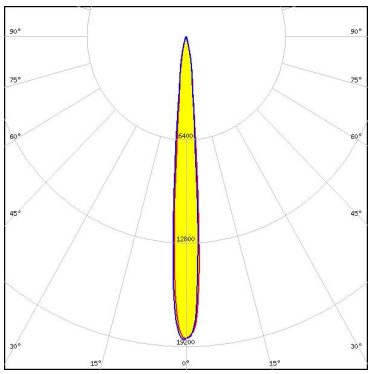


CREE

LED	XHP35 HI
FWHM	9.0°
Efficiency	87 %
Peak intensity	18.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

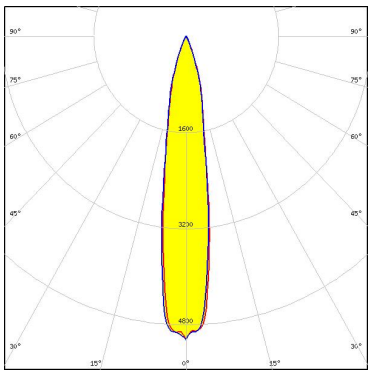




CREE

LED	XHP50.2
FWHM	17.0°
Efficiency	78 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White

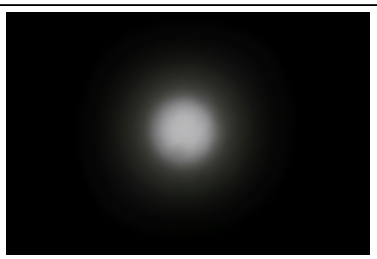
Required components:

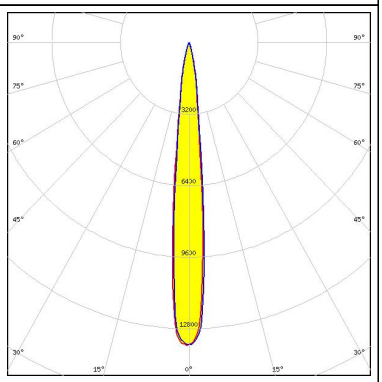


CREE

LED	XM-L3
FWHM	11.0°
Efficiency	86 %
Peak intensity	13.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



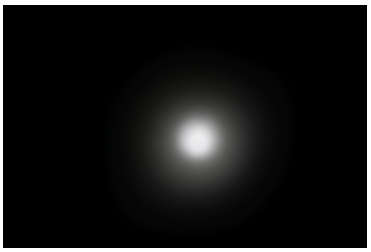


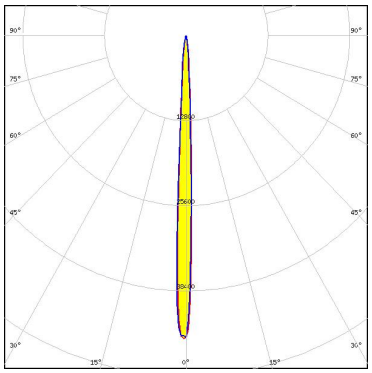
PHOTOMETRIC DATA (MEASURED):

CREE

LED	XP-E
FWHM	5.0°
Efficiency	87 %
Peak intensity	45.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

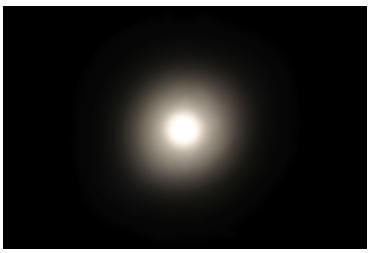


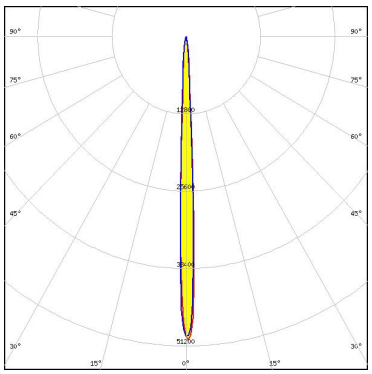


CREE

LED	XP-E2
FWHM	4.9°
Efficiency	86 %
Peak intensity	50.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

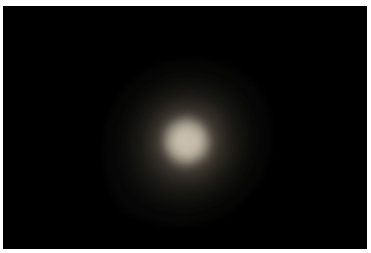


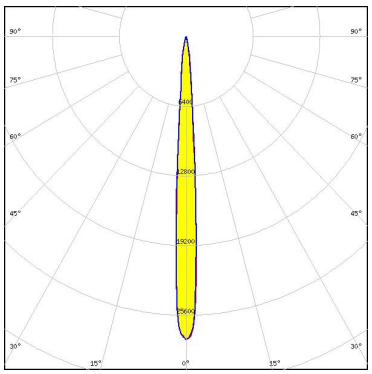


CREE

LED	XP-G2
FWHM	7.0°
Efficiency	86 %
Peak intensity	28 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

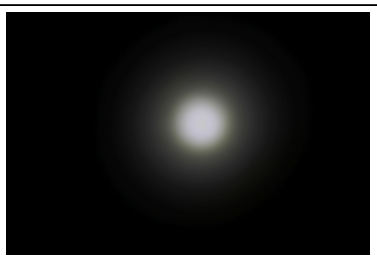


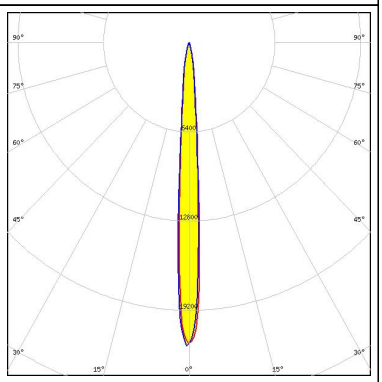


CREE

LED	XP-G3
FWHM	8.0°
Efficiency	85 %
Peak intensity	21.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



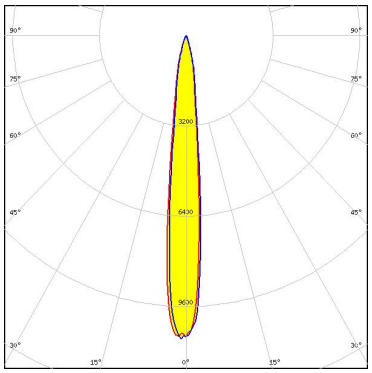


PHOTOMETRIC DATA (MEASURED):

CREE

LED	XP-L2
FWHM	12.0°
Efficiency	83 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White

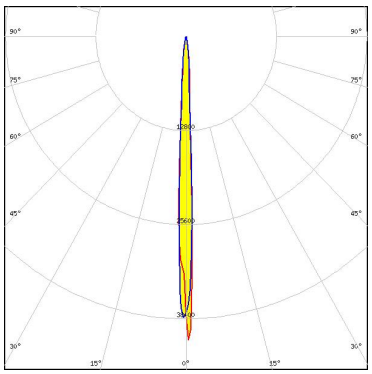
Required components:



CREE

LED	XQ-E HD
FWHM	5.0°
Efficiency	79 %
Peak intensity	42 cd/lm
LEDs/each optic	1
Light colour	White

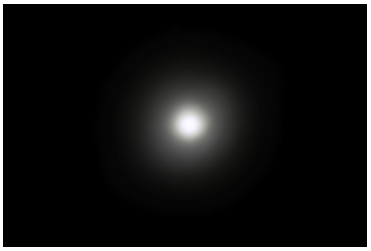
Required components:

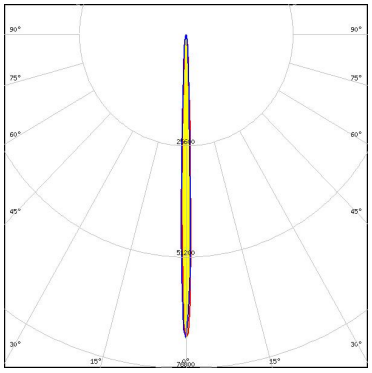


CREE

LED	XQ-E HI
FWHM	3.0°
Efficiency	84 %
Peak intensity	70 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

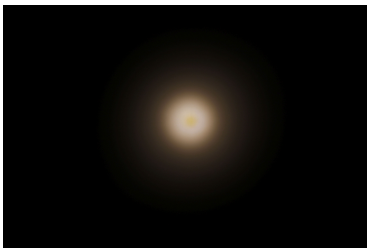


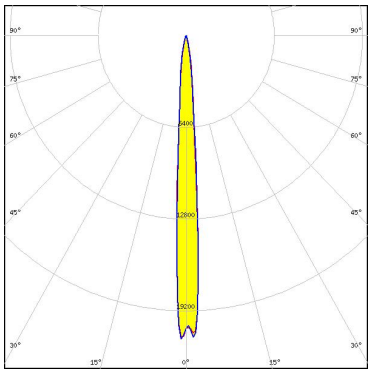


CREE

LED	XT-E
FWHM	8.0°
Efficiency	83 %
Peak intensity	21.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



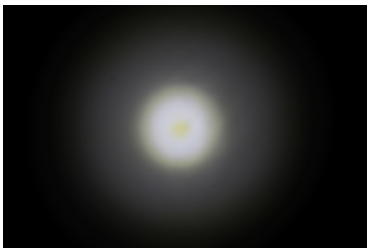


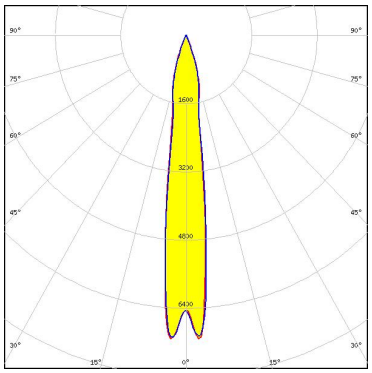
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	14.0°
Efficiency	86 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

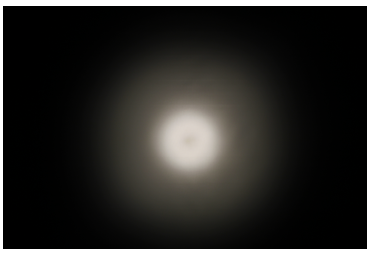


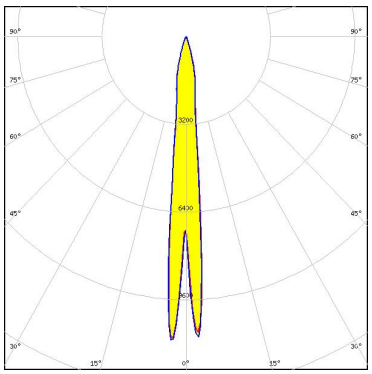


LUMILEDS

LED	LUXEON MZ
FWHM	11.0°
Efficiency	85 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

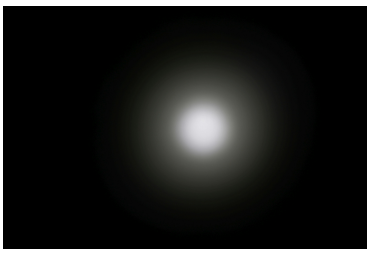


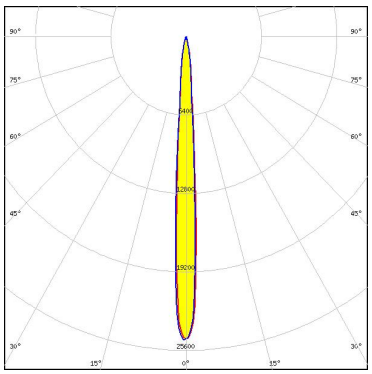


LUMILEDS

LED	LUXEON TX
FWHM	7.0°
Efficiency	86 %
Peak intensity	24.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

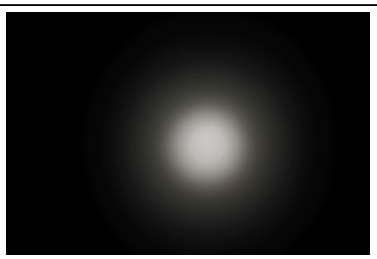


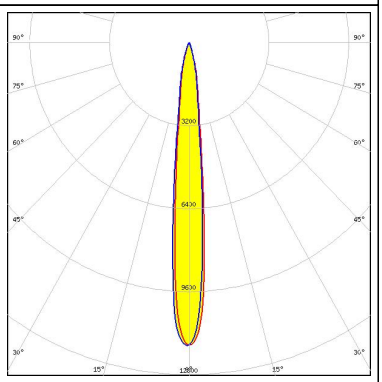


LUMILEDS

LED	LUXEON V
FWHM	11.0°
Efficiency	84 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



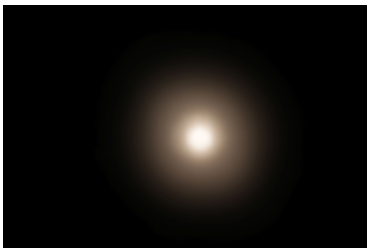


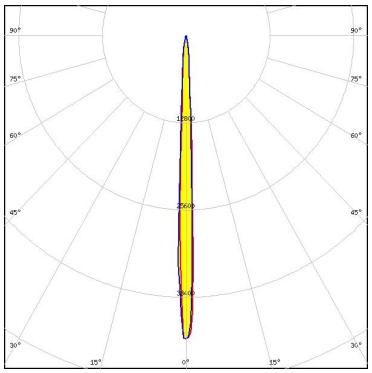
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON Z ES
FWHM	5.0°
Efficiency	87 %
Peak intensity	44.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

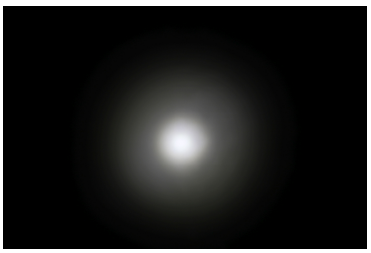


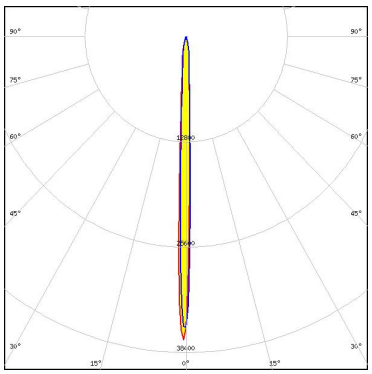


NICHIA

LED	NCSxE17A
FWHM	4.0°
Efficiency	83 %
Peak intensity	37.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

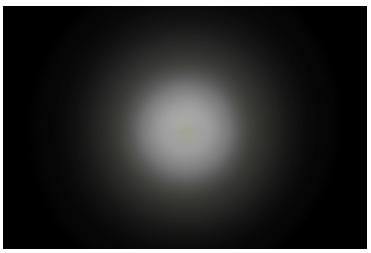


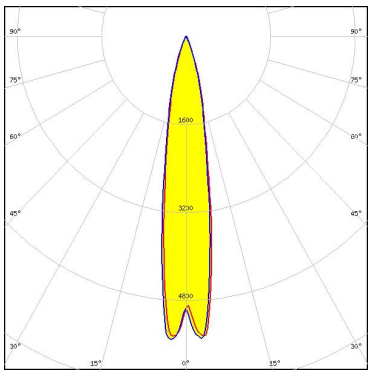


NICHIA

LED	NV4x144A
FWHM	18.0°
Efficiency	83 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

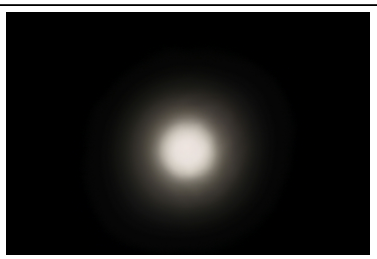


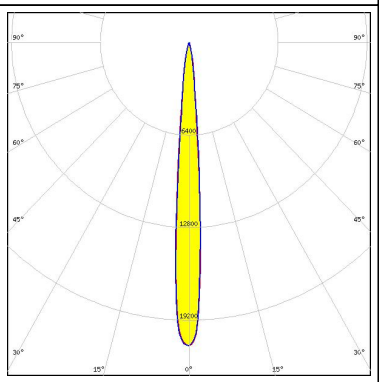


NICHIA

LED	NVSW219D
FWHM	9.0°
Efficiency	87 %
Peak intensity	21 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

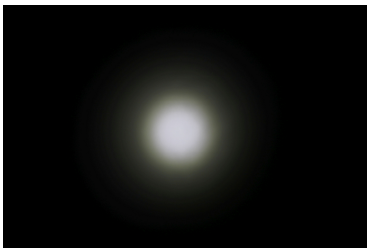


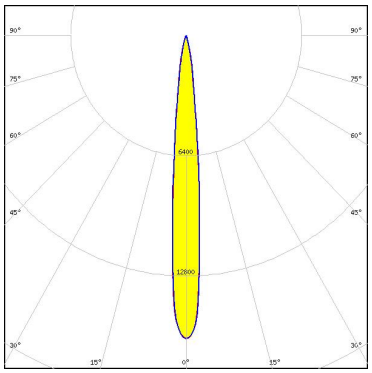


PHOTOMETRIC DATA (MEASURED):

NICHIA

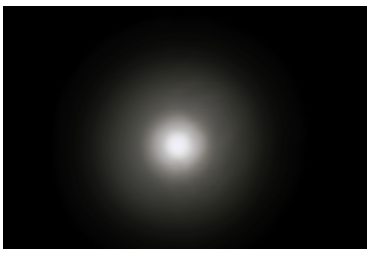
LED	NVSW319B
FWHM	10.0°
Efficiency	87 %
Peak intensity	16.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

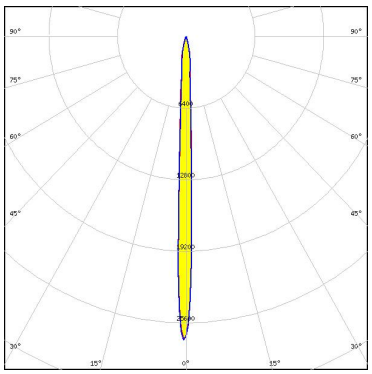




NICHIA

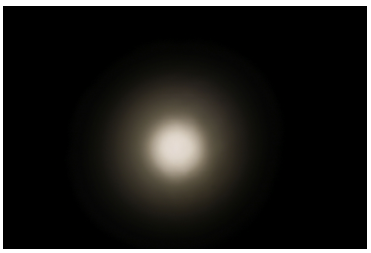
LED	NVSxE21A
FWHM	5.0°
Efficiency	84 %
Peak intensity	27.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

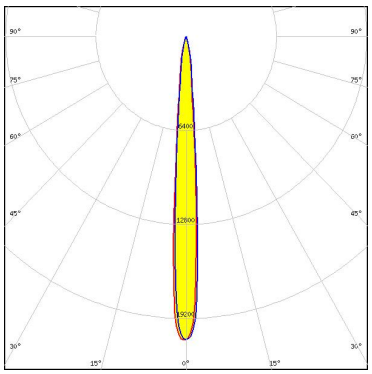




NICHIA

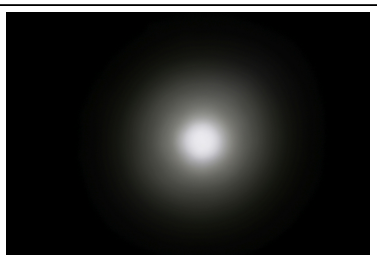
LED	NVSxx19B/NVSxx19C
FWHM	8.0°
Efficiency	85 %
Peak intensity	20.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

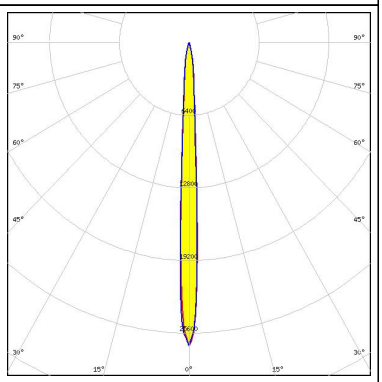




OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM	6.0°
Efficiency	86 %
Peak intensity	26.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



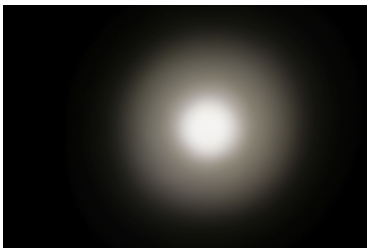


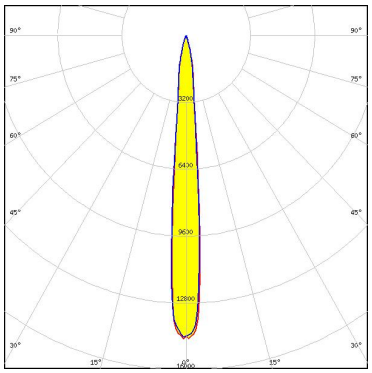
PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM	10.0°
Efficiency	85 %
Peak intensity	14.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

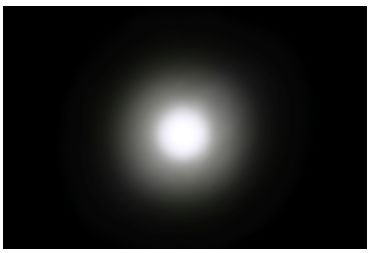


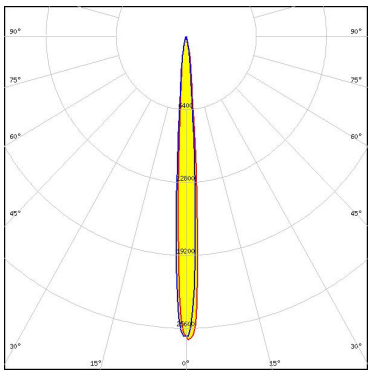


OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	7.0°
Efficiency	86 %
Peak intensity	26.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

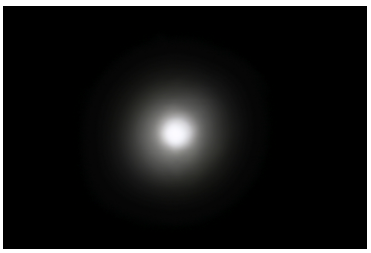


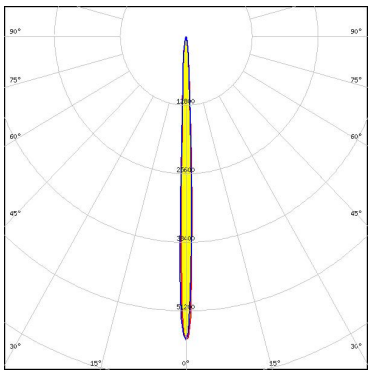


OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM	4.0°
Efficiency	87 %
Peak intensity	57 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

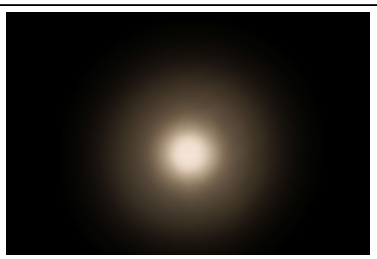


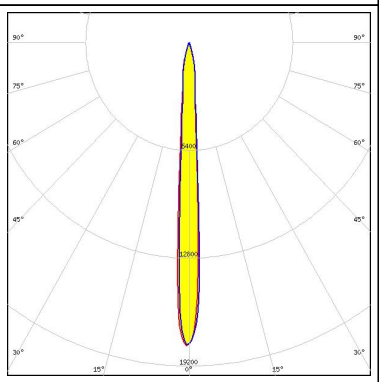


SAMSUNG

LED	LH231B
FWHM	7.0°
Efficiency	86 %
Peak intensity	18 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



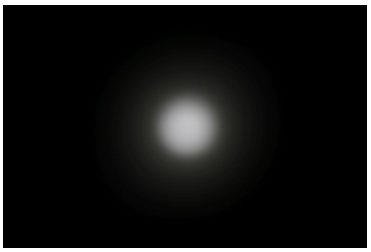


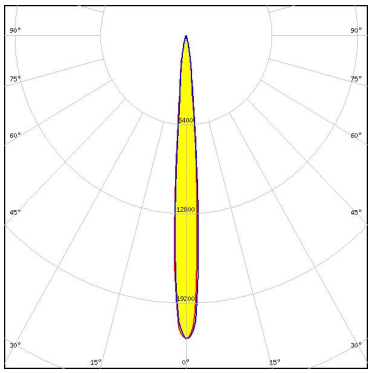
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LH351B
FWHM	8.0°
Efficiency	86 %
Peak intensity	21.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

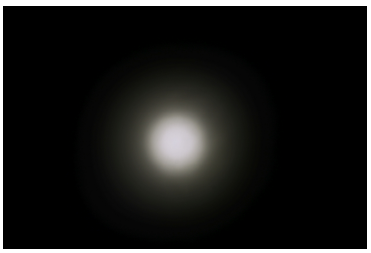


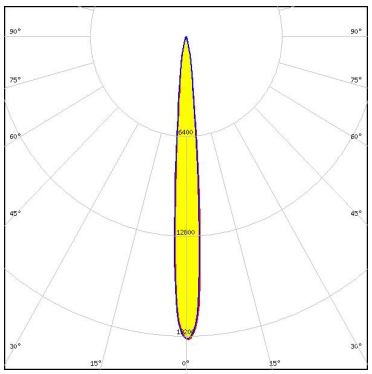


SAMSUNG

LED	LH351C
FWHM	9.0°
Efficiency	87 %
Peak intensity	19.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

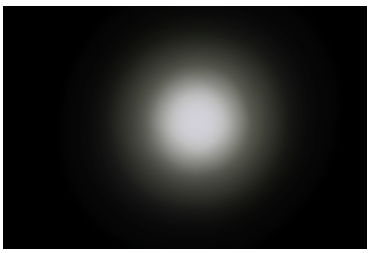


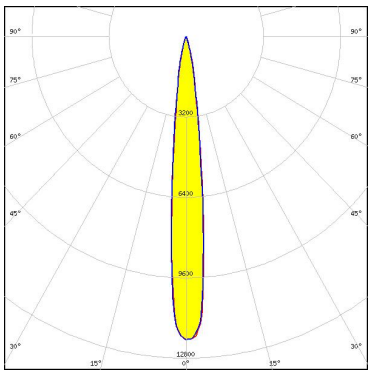


SAMSUNG

LED	LH351D
FWHM	12.0°
Efficiency	86 %
Peak intensity	12.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

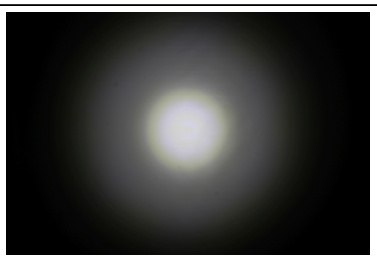


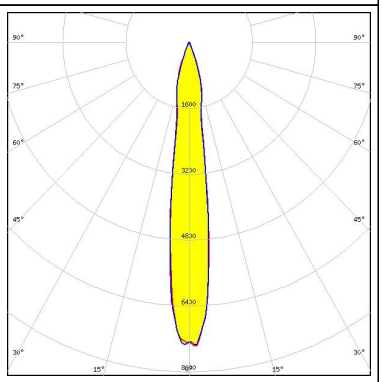


SAMSUNG

LED	LH508A
FWHM	14.0°
Efficiency	86 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



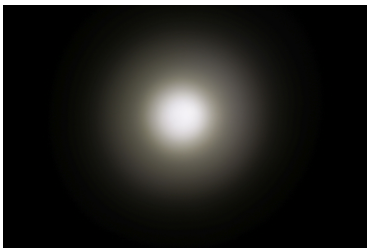


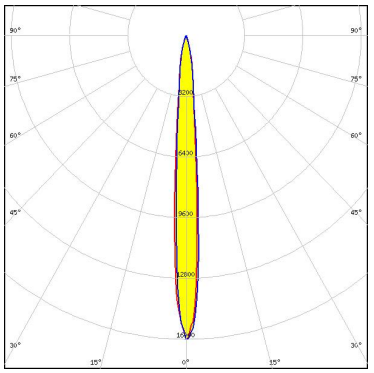
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM	9.0°
Efficiency	83 %
Peak intensity	16 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

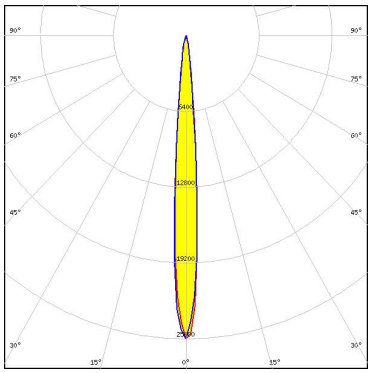




PHOTOMETRIC DATA (SIMULATED):

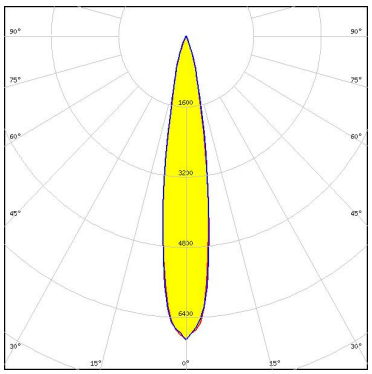
CREE

LED	XHP35 HI
FWHM	9.0°
Efficiency	92 %
Peak intensity	25 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



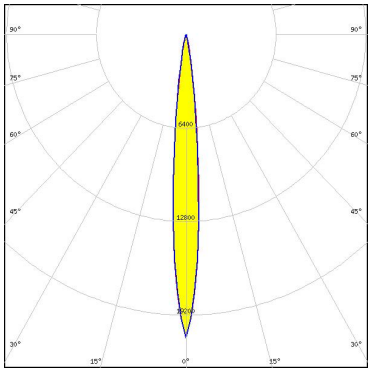
CREE

LED	XHP50.2
FWHM	18.0°
Efficiency	88 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



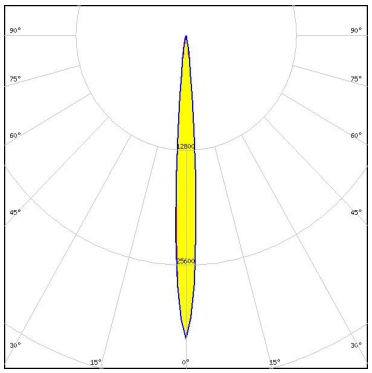
CREE

LED	XP-G2 HE
FWHM	10.0°
Efficiency	93 %
Peak intensity	20.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

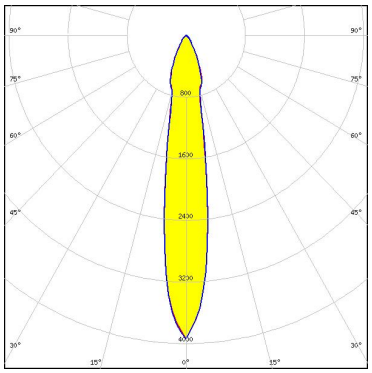
LED	XP-L HI
FWHM	8.0°
Efficiency	92 %
Peak intensity	33 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

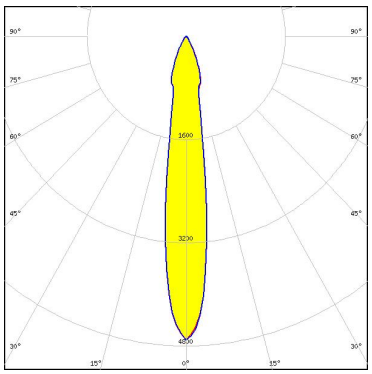
NICHIA

LED	COB S-Type (LES 7)
FWHM	16.0°
Efficiency	84 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



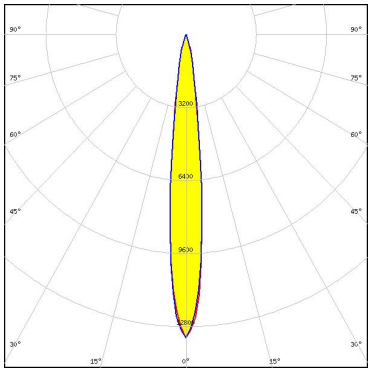
NICHIA

LED	COB T-Type
FWHM	16.0°
Efficiency	86 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NV4WB35AM
FWHM	12.0°
Efficiency	93 %
Peak intensity	13.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



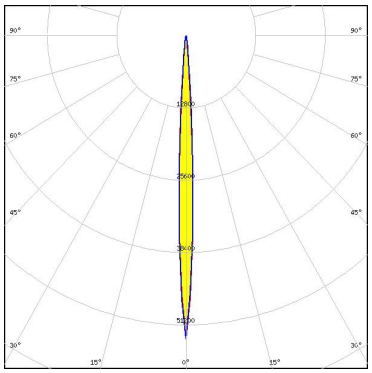
OSRAM
Opto Semiconductors

LED	OSLON Pure 1010
FWHM	14.0°
Efficiency	88 %
Peak intensity	8.1 cd/lm
LEDs/each optic	9
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

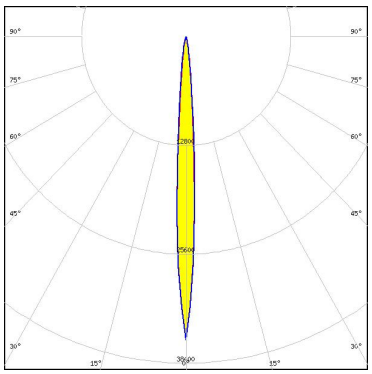
OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM	6.0°
Efficiency	82 %
LEDs/each optic	1
Light colour	IR
Required components:	



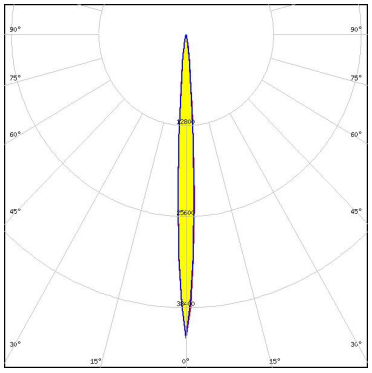
OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM	7.0°
Efficiency	92 %
LEDs/each optic	1
Light colour	IR
Required components:	



OSRAM
Opto Semiconductors

LED	SFH 4716AS
FWHM	6.0°
Efficiency	93 %
LEDs/each optic	1
Light colour	IR
Required components:	



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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

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