G2-LXP2-RS-P

~9.6° spot beam optimized for CREE XP-E. 14.7 mm high assembly with installation tape. Variant with thin holder with pins.

SPECIFICATION:

Dimensions	Ã˜ 21.8
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes

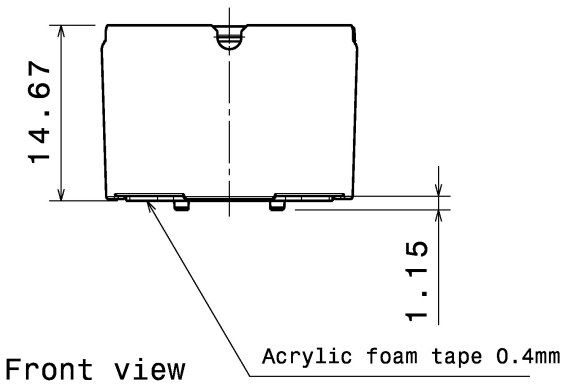
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LXP2-RS	Single lens	PMMA	clear		21.6
LXP2-LT-HLD	Holder	PC	black		21.6
HEIDI-TAPE	Tape	Acrylic foam	black		

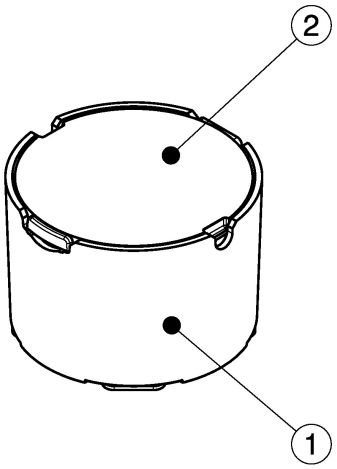
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA14503_G2-LXP2-RS-P			112	0.0
» Box size:				

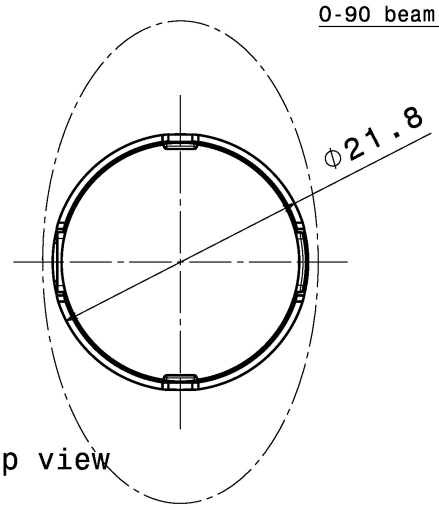
Applies to:
CA14503
CA14505
CA14507
CA14509
CA14511



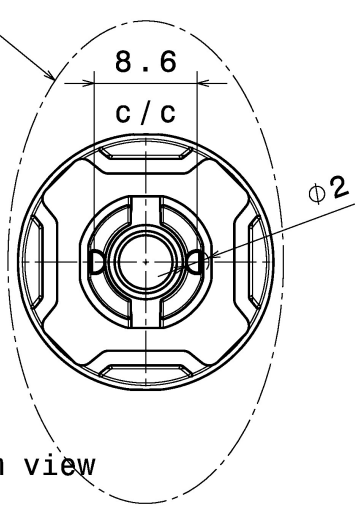
Front view



Isometric view



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14443	LXP2-LT-HLD	PC	black
2	-	LXP2-series_mech lens	PMMA	clear

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
up to 30mm class M, otherwise class C
According to DIN ISO 2768-2
Form and position: class L

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
LEILA-G2-LXP2-PIN

SIZE	PART NUMBER
A4	-

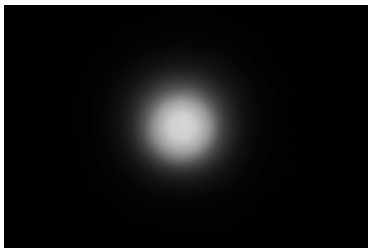
SCALE	WEIGHT		SHEET
2:1	4,0 g		1/1

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

OPTICAL RESULTS (MEASURED):

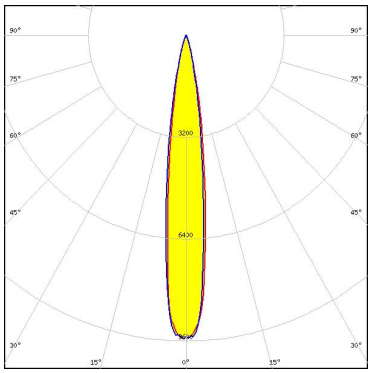
CREE LEDs

LED	XP-E
FWHM / FWTM	7.8° / 16.0°
Efficiency	89 %
Peak intensity	35.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



CREE LEDs

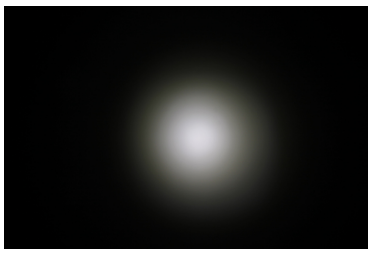
LED	XP-L HD
FWHM / FWTM	14.0° / 29.0°
Efficiency	90 %
Peak intensity	9.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

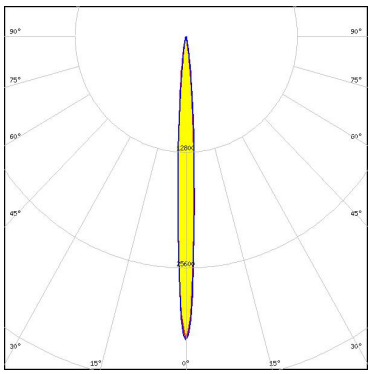


Light distribution files

LUMILEDS

LED	LUXEON C
FWHM / FWTM	6.0° / 16.0°
Efficiency	85 %
Peak intensity	34 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



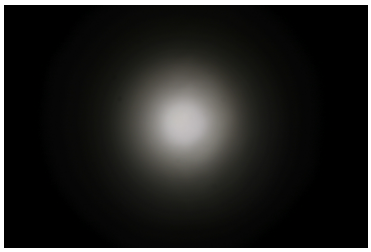


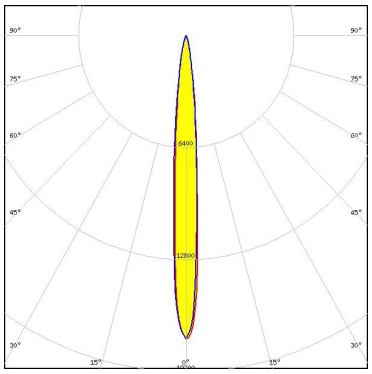
Light distribution files

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	9.0° / 22.0°
Efficiency	89 %
Peak intensity	17.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

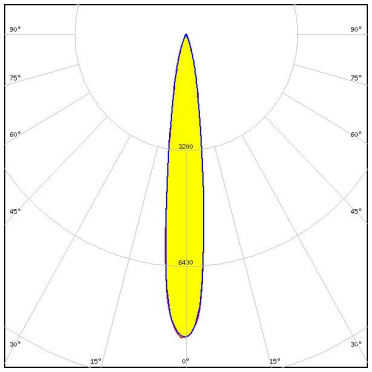




Light distribution files

LUMILEDS

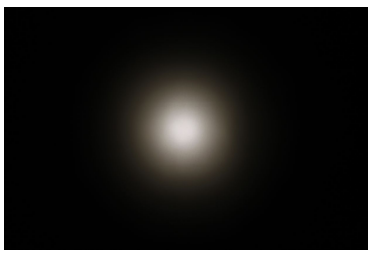
LED	LUXEON V
FWHM / FWTM	14.0° / 33.0°
Efficiency	89 %
Peak intensity	8.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

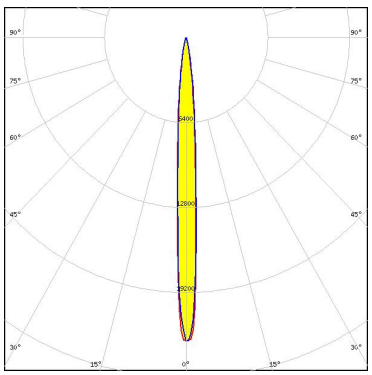


Light distribution files

NICHIA

LED	NCSxx19A
FWHM / FWTM	7.2° / 19.0°
Efficiency	90 %
Peak intensity	22.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



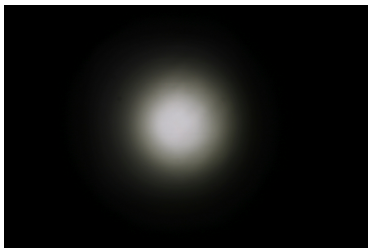


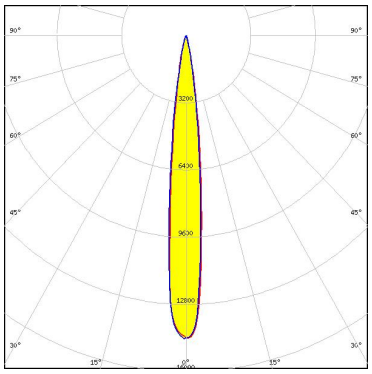
Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW219F
FWHM / FWTM	12.0° / 24.0°
Efficiency	92 %
Peak intensity	14.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

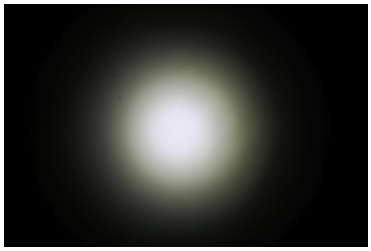


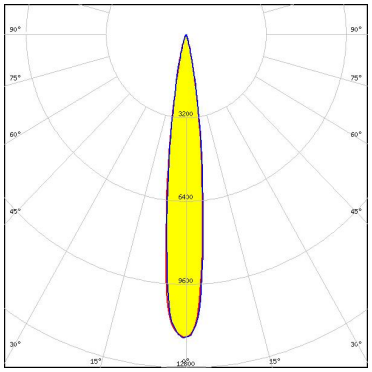


Light distribution files

NICHIA

LED	NVSW319B
FWHM / FWTM	14.0° / 27.0°
Efficiency	92 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

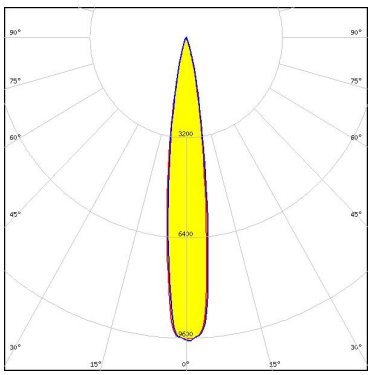




Light distribution files

NICHIA

LED	NVSW519A
FWHM / FWTM	15.0° / 30.0°
Efficiency	91 %
Peak intensity	9.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

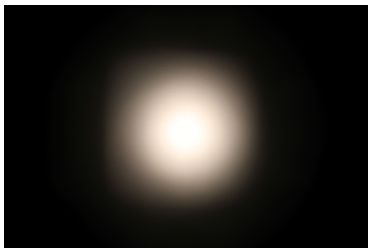


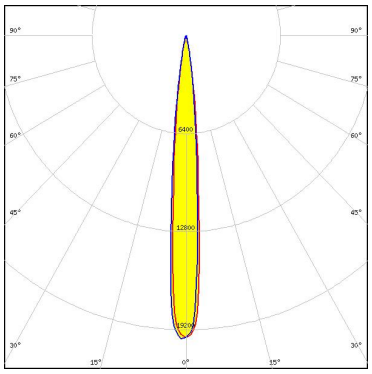
Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW719AC
FWHM / FWTM	10.0° / 21.0°
Efficiency	92 %
Peak intensity	19.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

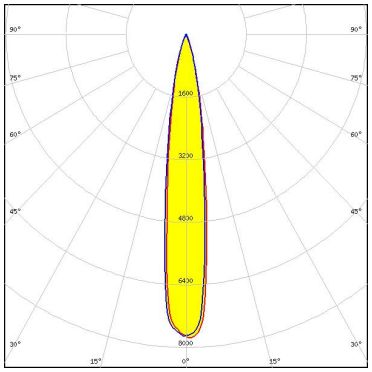




Light distribution files

NICHIA

LED	NWSx229A
FWHM / FWTM	15.0° / 34.0°
Efficiency	88 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

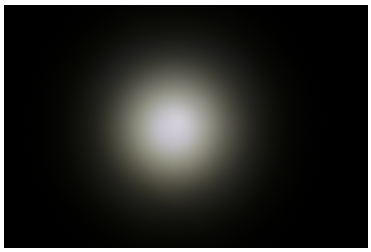
OSRAM
Opto Semiconductors

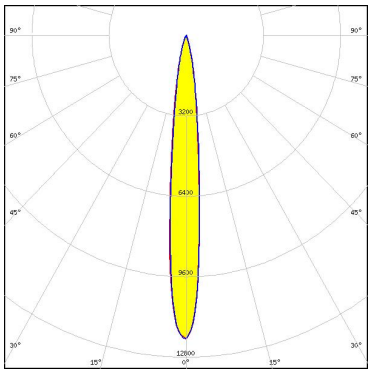
LED	PLPVEC2 850A
FWHM / FWTM	5.0° / 12.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	IR
Required components:	

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	11.0° / 27.0°
Efficiency	88 %
Peak intensity	12.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

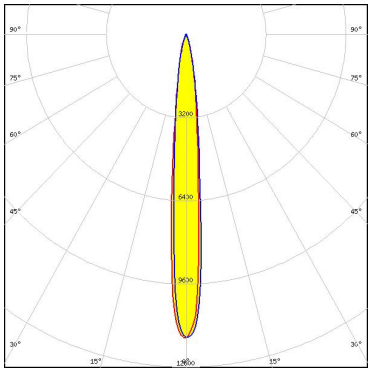




Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	10.0° / 26.0°
Efficiency	83 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

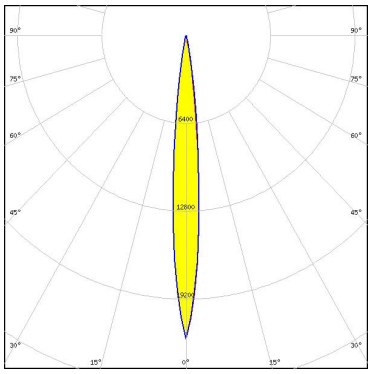


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

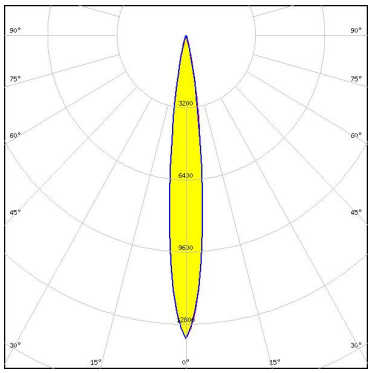
LED	XP-G2
FWHM / FWTM	10.0° / 20.0°
Efficiency	95 %
Peak intensity	22.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

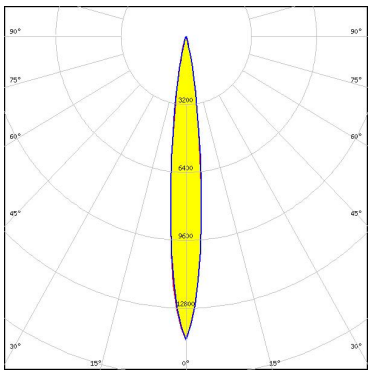
LED	XP-G2 HE
FWHM / FWTM	12.0° / 26.0°
Efficiency	91 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	12.0° / 24.0°
Efficiency	90 %
Peak intensity	14.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

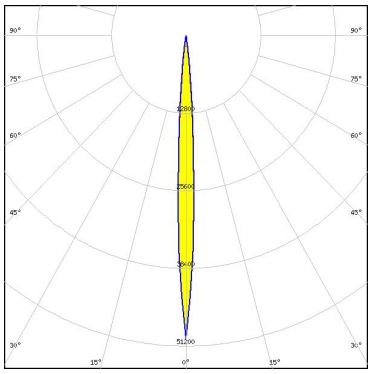


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

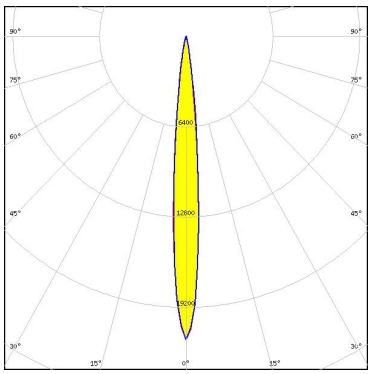
LED	XQ-E HI
FWHM / FWTM	6.0° / 14.0°
Efficiency	92 %
Peak intensity	50 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

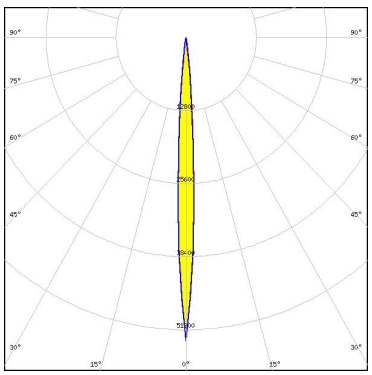
LED	XT-E
FWHM / FWTM	9.7° / 20.0°
Efficiency	91 %
Peak intensity	21.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	6.0° / 14.0°
Efficiency	92 %
Peak intensity	53.2 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	



Light distribution files

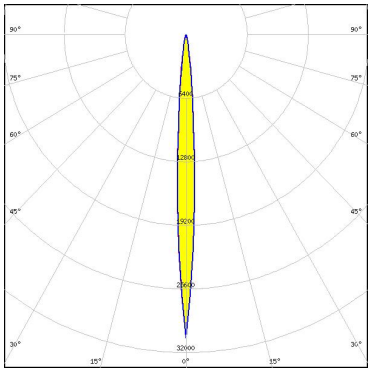
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	6.0° / 14.0°
Efficiency	93 %
Peak intensity	51.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMILEDS

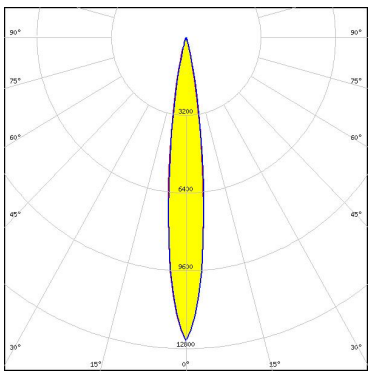
LED	LUXEON HL1Z
FWHM / FWTM	6.0° / 16.0 + 17.0°
Efficiency	88 %
Peak intensity	30.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	14.0° / 26.0°
Efficiency	93 %
Peak intensity	12.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

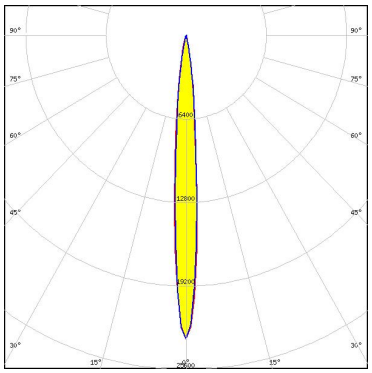
LED	LUXEON HL2Z
FWHM / FWTM	8.0° / 21.0°
Efficiency	90 %
Peak intensity	20.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 150 (L1I0-0xxx150000000)
FWHM / FWTM	9.0° / 20.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 60 (L1I0-0xxx060000000)
FWHM / FWTM	8.0° / 20.0°
Efficiency	94 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

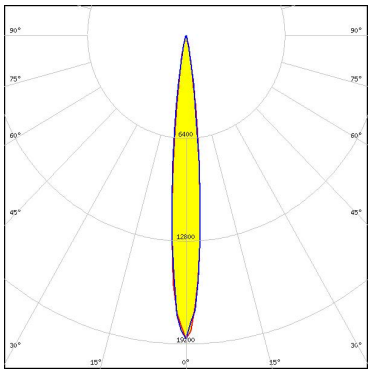
LED	LUXEON IR Domed 90 (L1I0-0xxx090000000)
FWHM / FWTM	10.0° / 23.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	6.0° / 14.0°
Efficiency	93 %
Peak intensity	49.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMILEDS

LED	LUXEON T
FWHM / FWTM	11.0° / 21.0°
Efficiency	93 %
Peak intensity	19.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

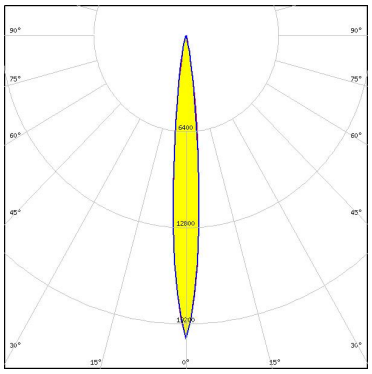


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	10.0° / 20.0°
Efficiency	92 %
Peak intensity	20.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

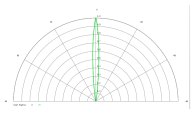


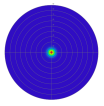
Light distribution files

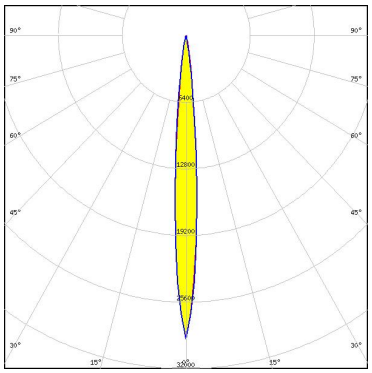
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	8.0° / 16.0°
Efficiency	93 %
Peak intensity	34.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

LUMINUS







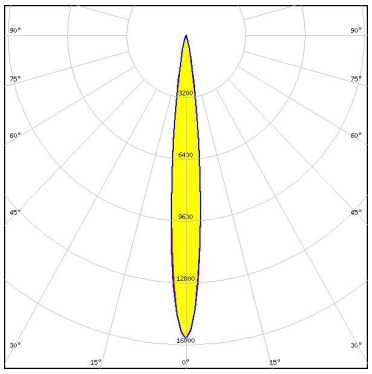
LED	SST-10-B130
FWHM / FWTM	8.0° / 17.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA

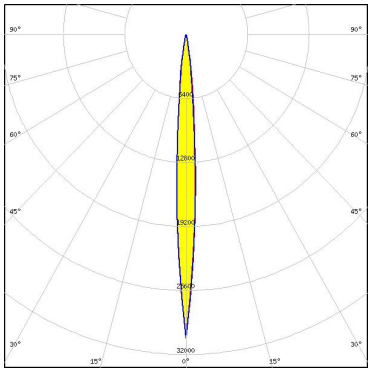
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	11.0° / 23.0°
Efficiency	89 %
Peak intensity	15.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

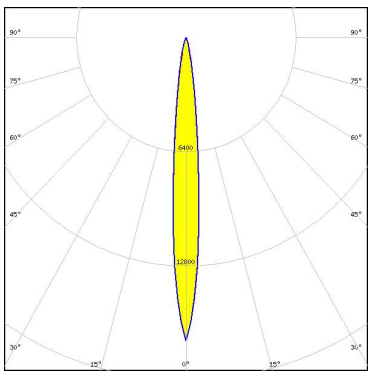
LED	OSCONIQ P 3030
FWHM / FWTM	8.0° / 18.0°
Efficiency	92 %
Peak intensity	30.3 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	10.0° / 23.0°
Efficiency	93 %
Peak intensity	17 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

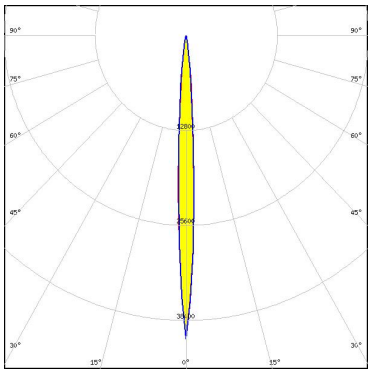


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

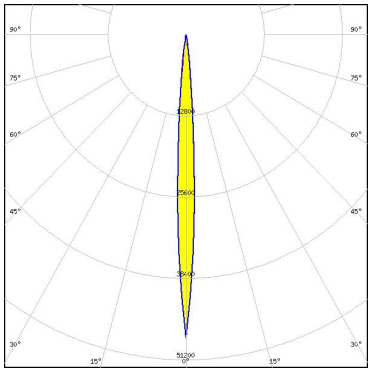
LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	6.2° / 15.0°
Efficiency	92 %
Peak intensity	40.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

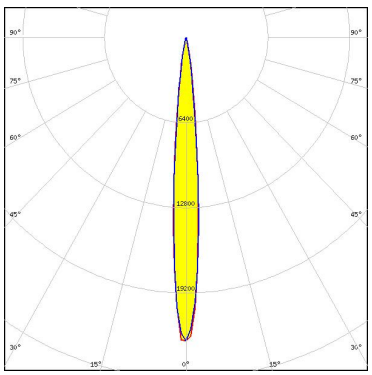
OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	6.0° / 14.0°
Efficiency	93 %
Peak intensity	47.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	9.6° / 19.0°
Efficiency	92 %
Peak intensity	22.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

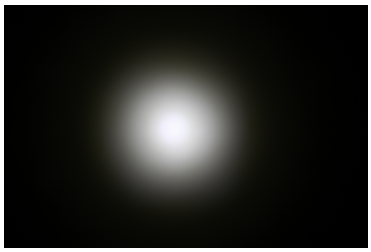


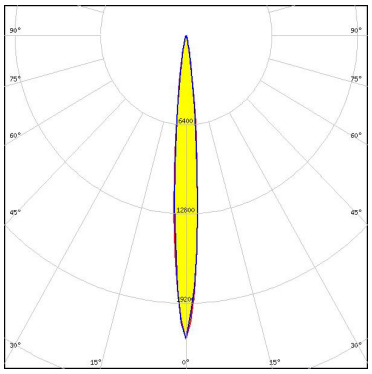
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	9.1° / 20.0°
Efficiency	91 %
Peak intensity	21.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

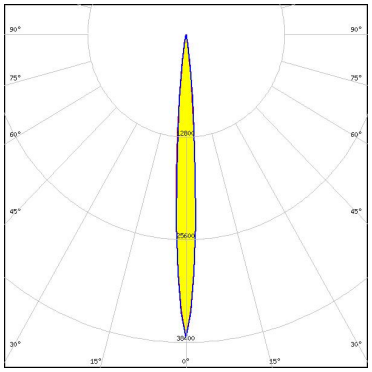




Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	8.0° / 16.0°
Efficiency	93 %
Peak intensity	37.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

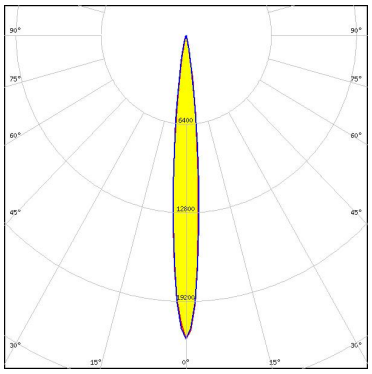
OSRAM
Opto Semiconductors

LED	SFH 4770S
FWHM / FWTM	8.0° / 23.0°
Efficiency	85 %
LEDs/each optic	1
Light colour/type	White
Required components:	

OPTICAL RESULTS (SIMULATED):

SAMSUNG

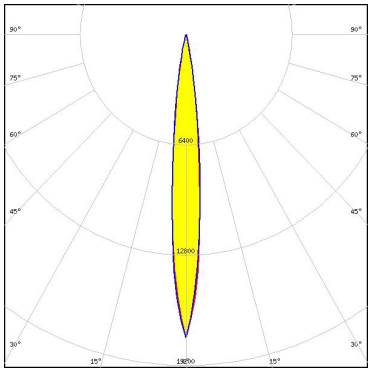
LED	LH351A
FWHM / FWTM	10.0° / 20.0°
Efficiency	92 %
Peak intensity	21.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	10.0° / 22.0°
Efficiency	92 %
Peak intensity	17.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

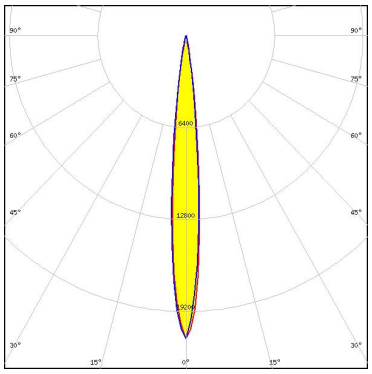
SAMSUNG

LED	LH351D
FWHM / FWTM	16.0° / 30.0°
Efficiency	90 %
Peak intensity	8.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

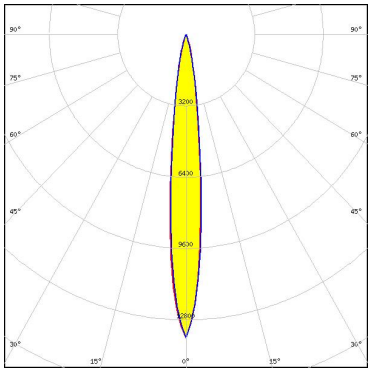
LED	Z5M1/Z5M2
FWHM / FWTM	10.0° / 20.0°
Efficiency	93 %
Peak intensity	21.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

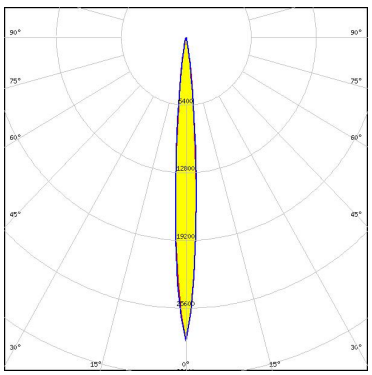
LED	Z5M4
FWHM / FWTM	12.0° / 26.0°
Efficiency	94 %
Peak intensity	13.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5P
FWHM / FWTM	8.0° / 17.0°
Efficiency	92 %
Peak intensity	28.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

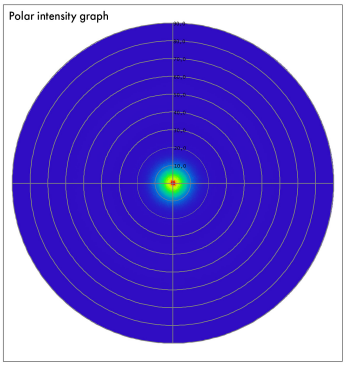


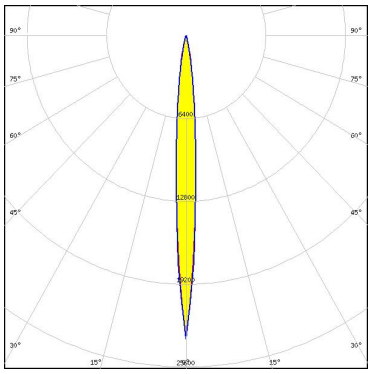
Light distribution files

OPTICAL RESULTS (SIMULATED):

STANLEY

LED	FWR1107MS
FWHM / FWTM	8.0° / 21.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

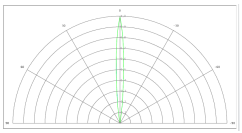


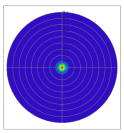


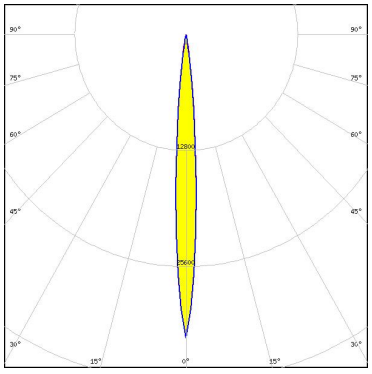
Light distribution files

STANLEY

LED	FWR1108MS
FWHM / FWTM	8.0° / 16.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



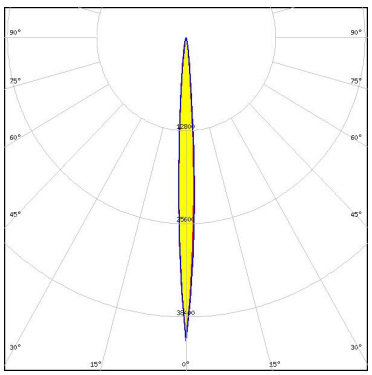




Light distribution files

STANLEY

LED	MFN1107MS
FWHM / FWTM	6.0° / 14.0°
Efficiency	89 %
Peak intensity	41.7 cd/lm
LEDs/each optic	1
Light colour/type	IR
Required components:	

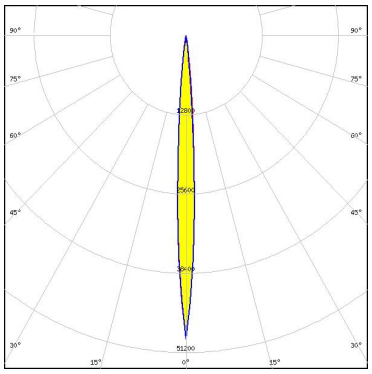


Light distribution files

OPTICAL RESULTS (SIMULATED):

STANLEY

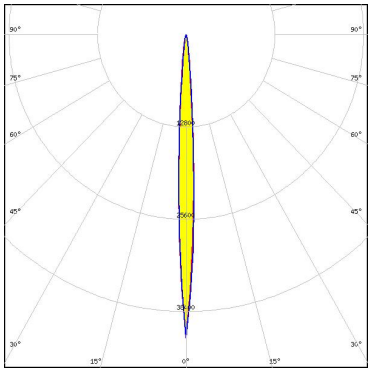
LED	MFN1108MS
FWHM / FWTM	6.0° / 14.0°
Efficiency	91 %
Peak intensity	49 cd/lm
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

STANLEY

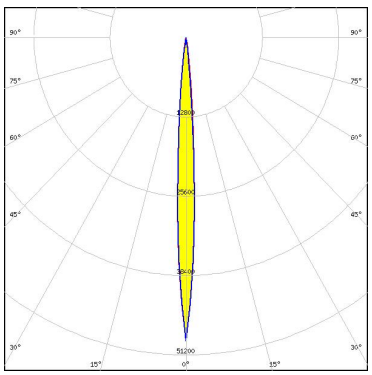
LED	MGN1107MS
FWHM / FWTM	6.0° / 14.0°
Efficiency	89 %
Peak intensity	42.1 cd/lm
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

STANLEY

LED	MGN1108MS
FWHM / FWTM	6.0° / 14.0°
Efficiency	91 %
Peak intensity	48.9 cd/lm
LEDs/each optic	1
Light colour/type	IR
Required components:	

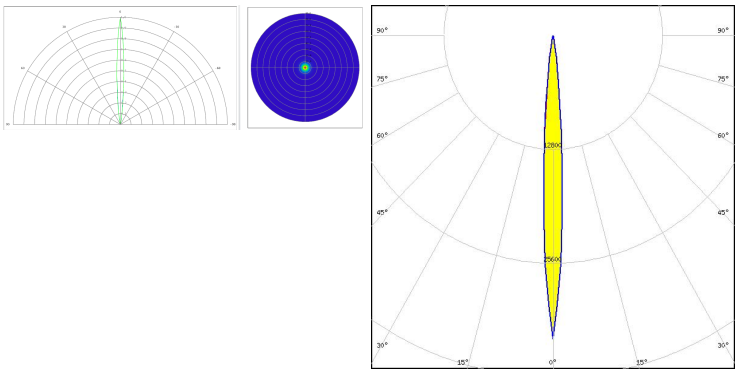


Light distribution files

OPTICAL RESULTS (SIMULATED):

STANLEY

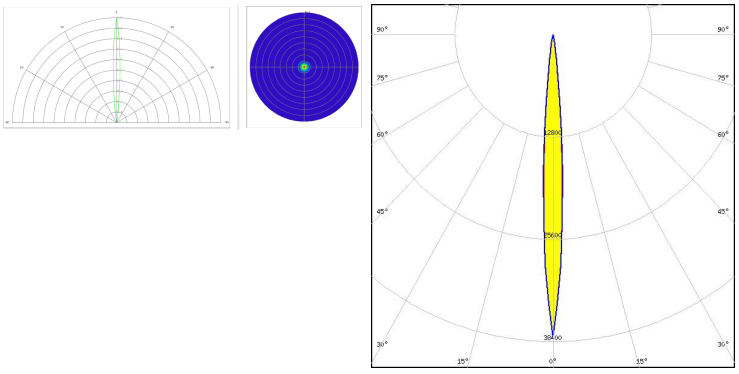
LED	MJN1107MS
FWHM / FWTM	7.0° / 16.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

STANLEY

LED	MJN1108MS
FWHM / FWTM	7.0° / 15.0°
Efficiency	94 %
LEDs/each optic	1
Light colour/type	IR
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:

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