IRIS-SCREW

~5° real spot beam with holder optimized for CREE XP-E. Assembly with screws.

SPECIFICATION:

Dimensions	Ø 38.0 mm
Height	26.9 mm
Fastening	glue, pin, screw
ROHS compliant	yes

MATERIALS:

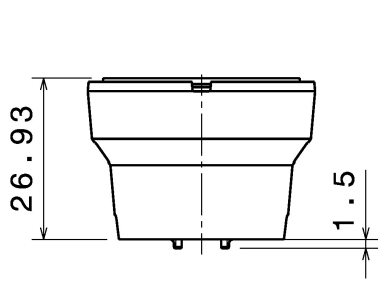
Component	Type	Material	Colour	Finish
F12075_IRIS	Single lens	PMMA	clear	
C12202_IRIS-XP-HLD	Holder	PC	black	

ORDERING INFORMATION:

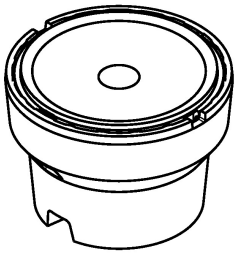
Quantities for one set:

Single lens	1
Holder	1

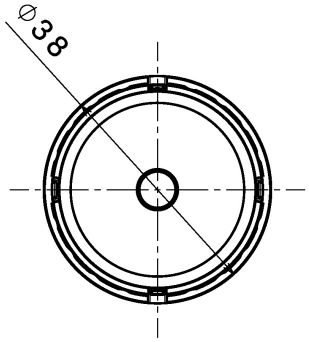
Component		Qty in box	MOQ	MPQ	Box weight (kg)
F12075_IRIS » Box size: 480 x 280 x 300 mm	Single lens	450	90	45	7.5
C12202_IRIS-XP-HLD » Box size: 480 x 280 x 300 mm	Holder	1080	90	15	7.6



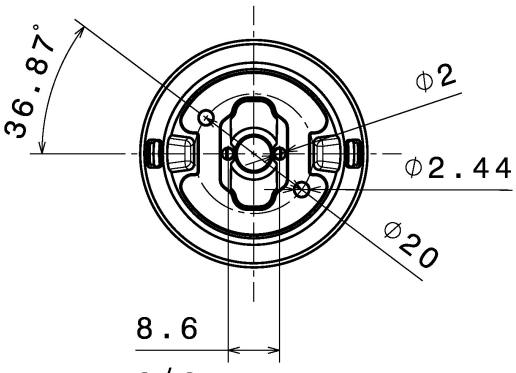
Front view



Isometric view
Scale: 1:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F12075	IRIS	PMMA	clear
2	C12202	IRIS-XP-HLD	PC	black

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
Joensuunkatu 13
FIN 24100 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
FCN12076_IRIS-SCREW

SIZE A4

PART NUMBER
FCN12076

SCALE 1:1 | WEIGHT 19,2 g | SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

CREE LED

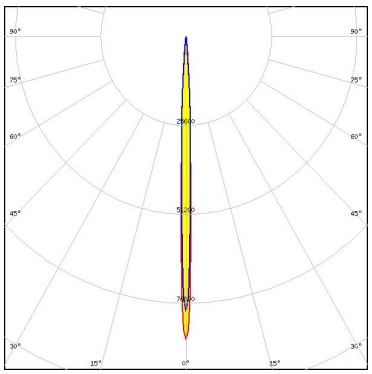
LED	XHP35 HI
FWHM / FWTM	7.6° / 17.0°
Efficiency	90 %
Peak intensity	35.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE LED

LED	XP-E
FWHM / FWTM	4.0° / 9.0°
Efficiency	93 %
Peak intensity	87.4 cd/lm
LEDs/each optic	1
Light colour	White

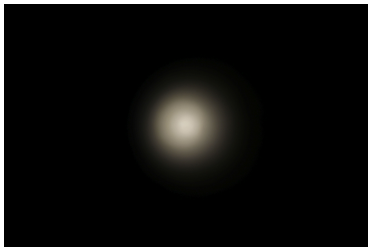
Required components:

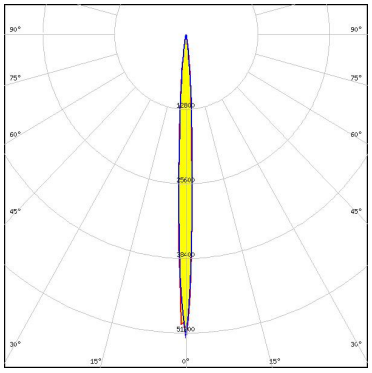


CREE LED

LED	XP-G
FWHM / FWTM	5.0° / 13.0°
Efficiency	93 %
Peak intensity	52 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

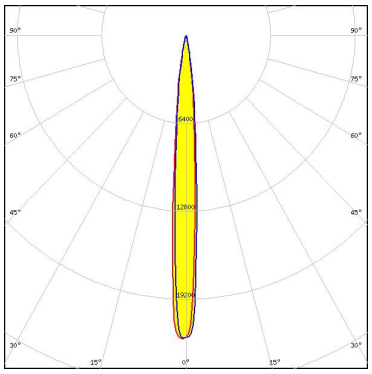




CREE LED

LED	XP-L HD
FWHM / FWTM	8.5° / 20.0°
Efficiency	93 %
Peak intensity	22.2 cd/lm
LEDs/each optic	1
Light colour	White

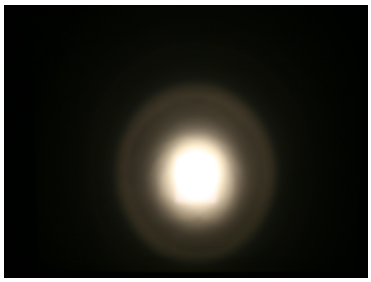
Required components:

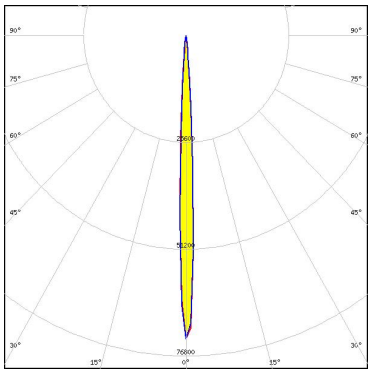


OPTICAL RESULTS (MEASURED):

LUMILEDS

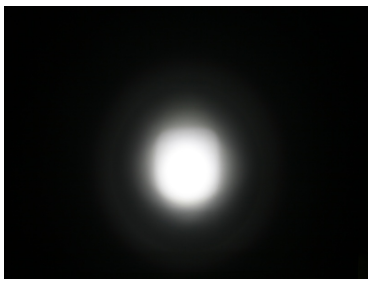
LED	LUXEON Rebel
FWHM / FWTM	5.0° / 9.0°
Efficiency	93 %
Peak intensity	75.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

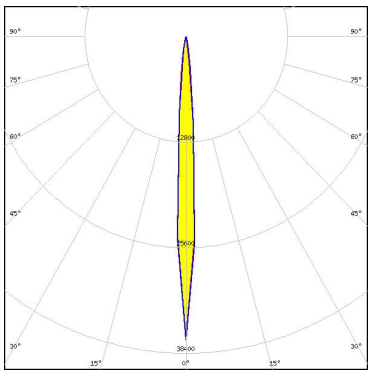




LUMILEDS

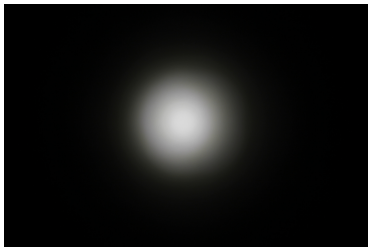
LED	LUXEON Rebel ES
FWHM / FWTM	7.0° / 14.0°
Efficiency	93 %
Peak intensity	38.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

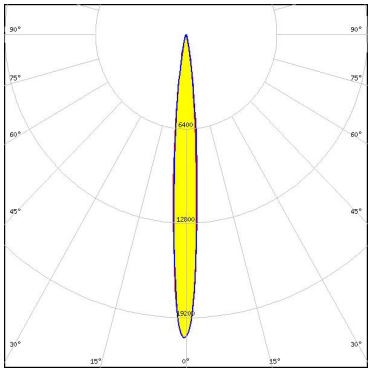




LUMILEDS

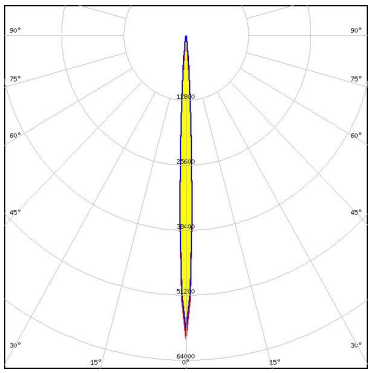
LED	LUXEON V
FWHM / FWTM	9.0° / 20.0°
Efficiency	92 %
Peak intensity	20.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

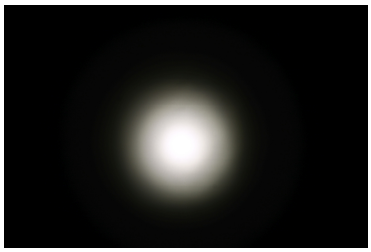
LED	NCSxx19A
FWHM / FWTM	5.0° / 11.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

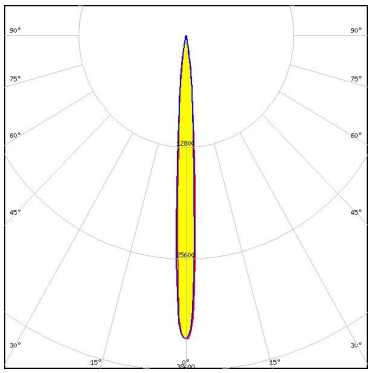


OPTICAL RESULTS (MEASURED):

NICHIA

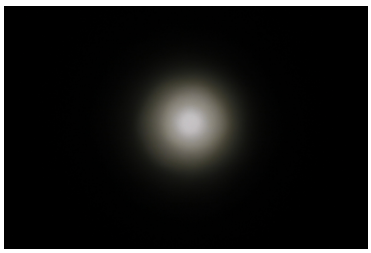
LED	NVSW219F
FWHM / FWTM	7.0° / 17.0°
Efficiency	93 %
Peak intensity	34.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

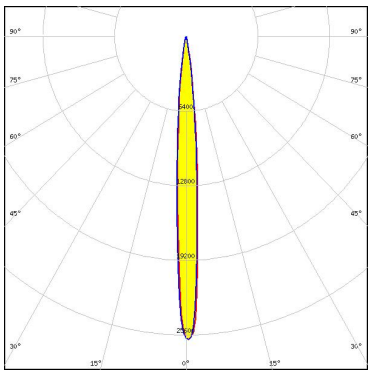




NICHIA

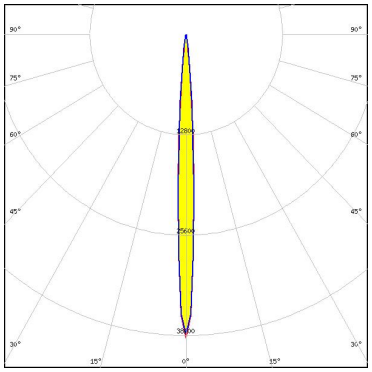
LED	NVSW3x9A
FWHM / FWTM	8.0° / 18.0°
Efficiency	90 %
Peak intensity	26.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





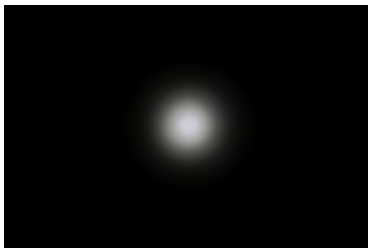
NICHIA

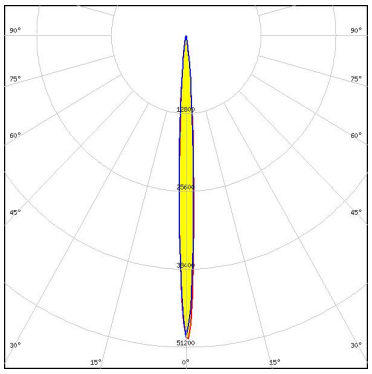
LED	NVSxx19A
FWHM / FWTM	6.0° / 14.0°
Efficiency	93 %
Peak intensity	38.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	6.0° / 13.0°
Efficiency	94 %
Peak intensity	49.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



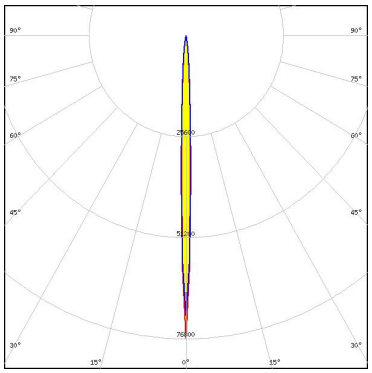


OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	4.0° / 11.0°
Efficiency	93 %
Peak intensity	76.8 cd/lm
LEDs/each optic	1
Light colour	White

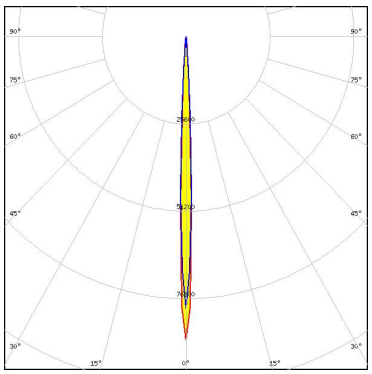
Required components:



OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	4.0° / 9.0°
Efficiency	90 %
Peak intensity	89 cd/lm
LEDs/each optic	1
Light colour	White

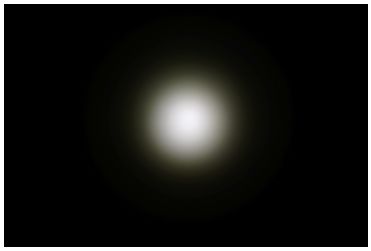
Required components:

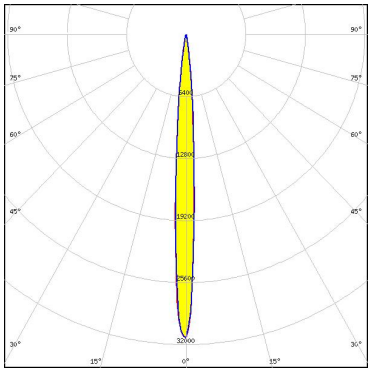


SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	7.0° / 16.0°
Efficiency	92 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

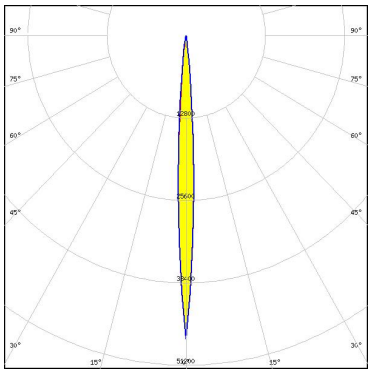




OPTICAL RESULTS (SIMULATED):

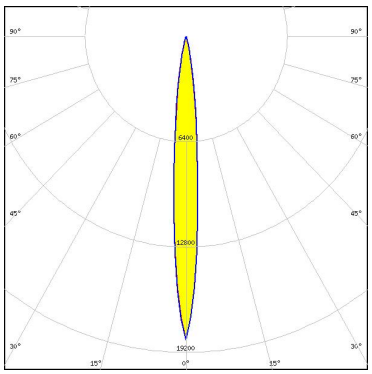
CREE LED

LED	XD16
FWHM / FWTM	6.0° / 14.0°
Efficiency	91 %
Peak intensity	47.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



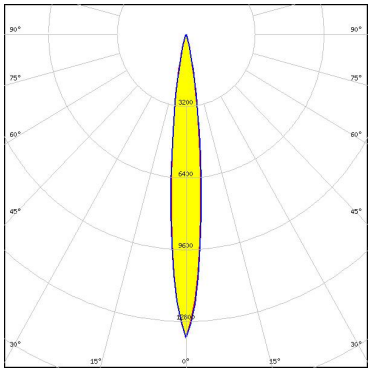
CREE LED

LED	XHP35 HD
FWHM / FWTM	10.0° / 22.0°
Efficiency	93 %
Peak intensity	18.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



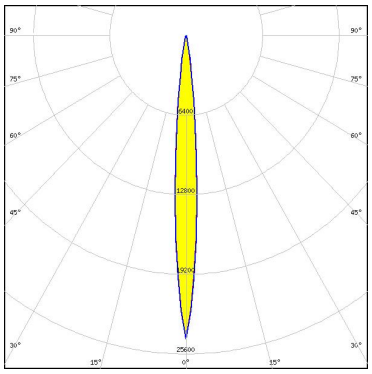
CREE LED

LED	XHP35.2 HD
FWHM / FWTM	12.0° / 25.0°
Efficiency	86 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

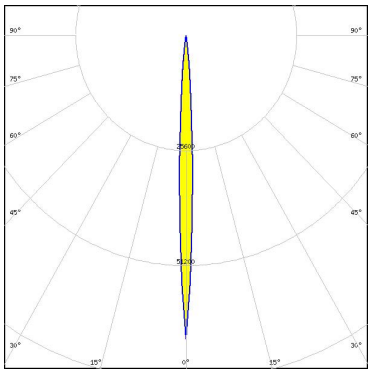
LED	XHP35.2 HD
FWHM / FWTM	8.0° / 18.0°
Efficiency	90 %
Peak intensity	24.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

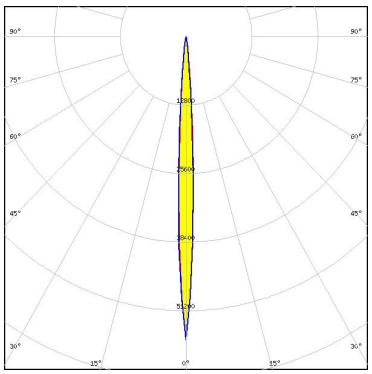
CREE LED

LED	XP-E2
FWHM / FWTM	6.0° / 12.0°
Efficiency	93 %
Peak intensity	67.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



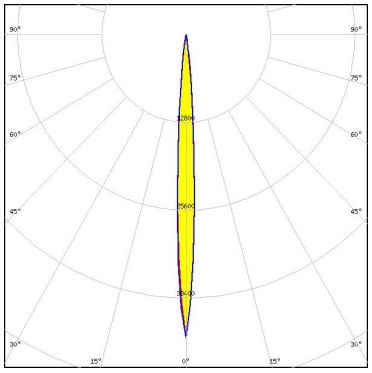
CREE LED

LED	XP-E2
FWHM / FWTM	5.9° / 13.0°
Efficiency	94 %
Peak intensity	56.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



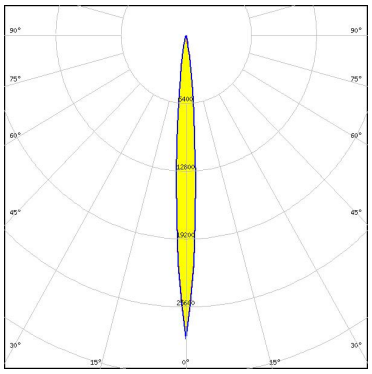
CREE LED

LED	XP-G2
FWHM / FWTM	6.7° / 15.0°
Efficiency	94 %
Peak intensity	44.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

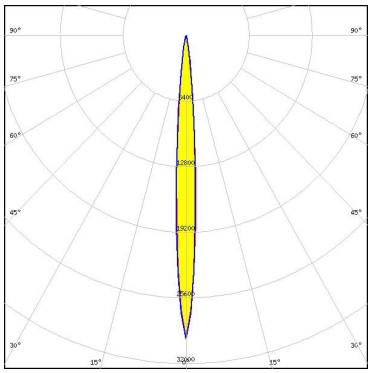
LED	XP-G2 HE
FWHM / FWTM	8.0° / 18.0°
Efficiency	90 %
Peak intensity	28.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

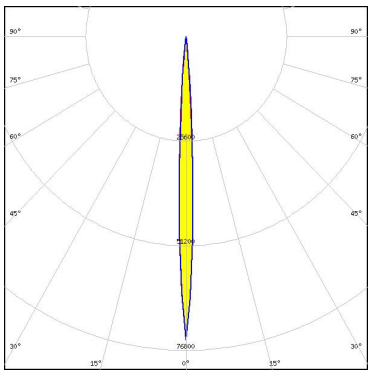
CREE LED

LED	XP-G3
FWHM / FWTM	7.5° / 18.0°
Efficiency	91 %
Peak intensity	29.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XQ-E HD
FWHM / FWTM	5.5° / 12.0°
Efficiency	94 %
Peak intensity	74.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

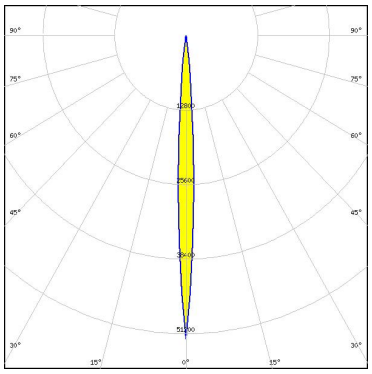


CREE LED

LED	XQ-E HD
FWHM / FWTM	5.0° / 11.5°
Efficiency	93 %
Peak intensity	80 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMINUS

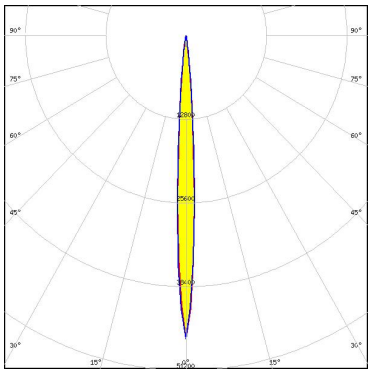
LED	SST-20
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	52.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

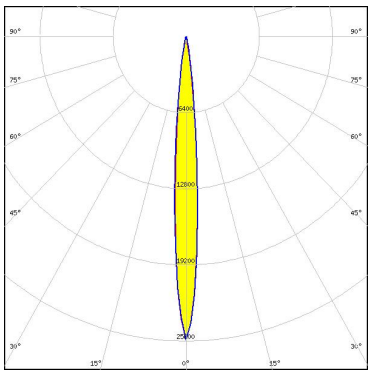
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	6.5° / 13.0°
Efficiency	94 %
Peak intensity	46.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



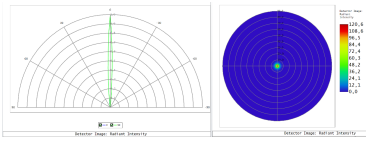
OSRAM
Opto Semiconductors

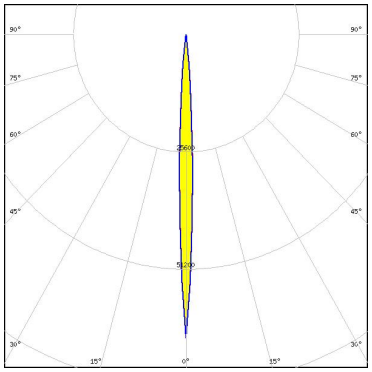
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	9.0° / 19.0°
Efficiency	94 %
Peak intensity	25.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

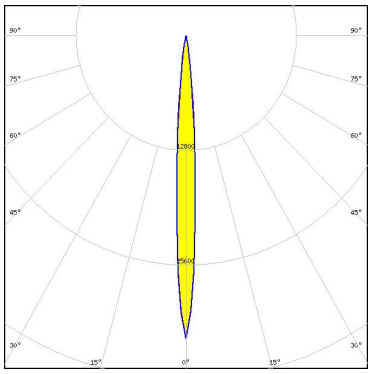
LED	SFH 4716AS
FWHM / FWTM	6.0° / 12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	IR
Required components:	





SAMSUNG

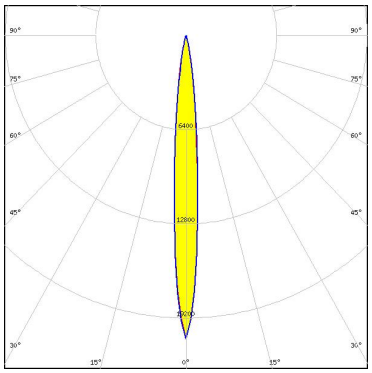
LED	LH351B
FWHM / FWTM	7.4° / 17.0°
Efficiency	94 %
Peak intensity	33.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

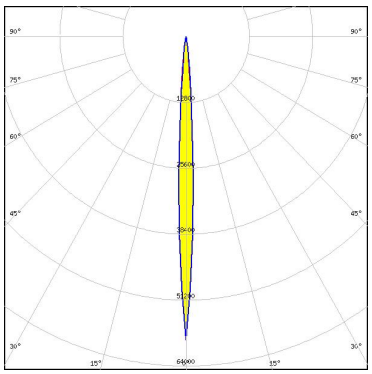
SAMSUNG

LED	LH351D
FWHM / FWTM	9.2° / 21.0°
Efficiency	90 %
Peak intensity	20.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



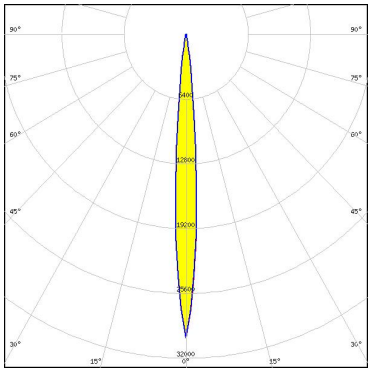
SAMSUNG

LED	LM101B
FWHM / FWTM	6.0° / 12.0°
Efficiency	92 %
Peak intensity	58.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	8.0°
Efficiency	98 %
Peak intensity	29.9 cd/lm
LEDs/each optic	1
Light colour	White
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.

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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