

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:

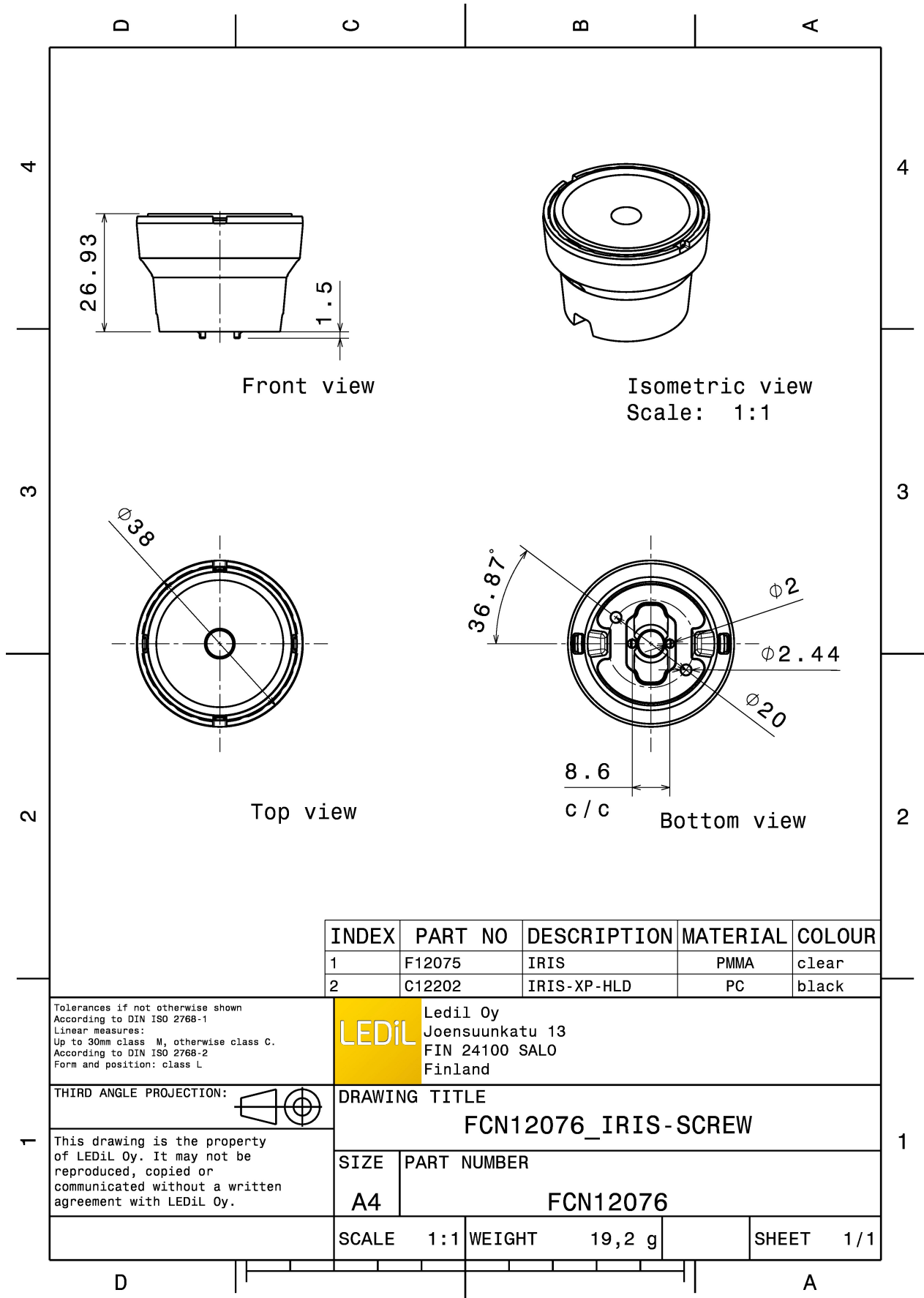
Component	Type	Material	Colour	Finish
F12075_IRIS	Single lens	PMMA	clear	
C12202_IRIS-XP-HLD	Holder	PC	black	

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

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



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 Ledil Oy
Joensuunkatu 13
FIN 24100 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
FCN12076_IRIS-SCREW

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SIZE	PART NUMBER
A4	FCN12076

SCALE	1:1	WEIGHT	19,2 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

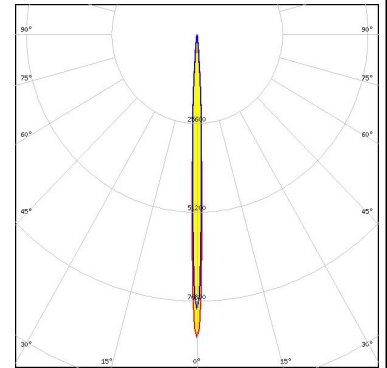
OPTICAL RESULTS (MEASURED):



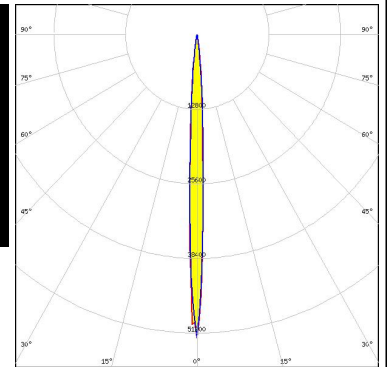
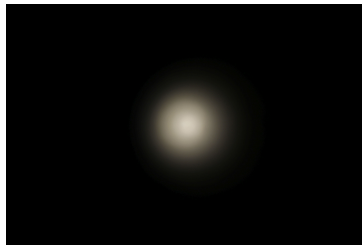
LED XHP35 HI
 FWHM / FWTM 7.6° / 17.0°
 Efficiency 90 %
 Peak intensity 35.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



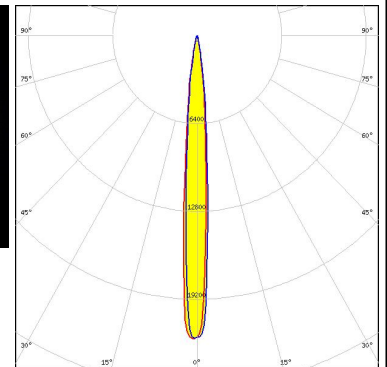
LED XP-E
 FWHM / FWTM 4.0° / 9.0°
 Efficiency 93 %
 Peak intensity 87.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



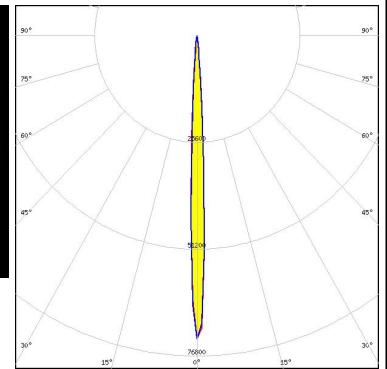
LED XP-L HD
 FWHM / FWTM 8.5° / 20.0°
 Efficiency 93 %
 Peak intensity 22.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

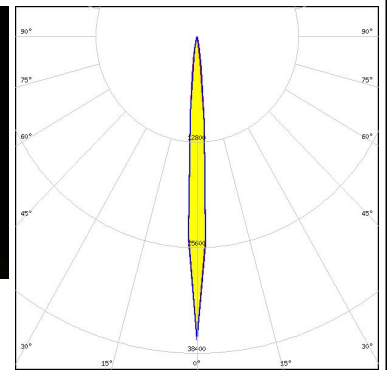
LUMILEDS

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:



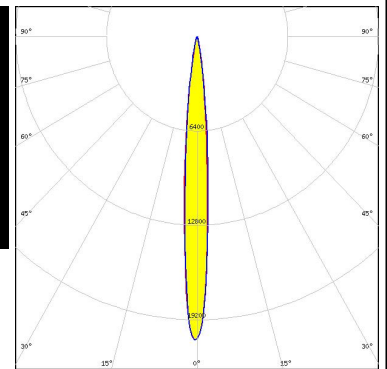
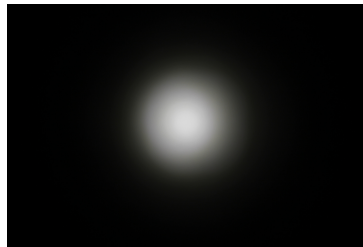
LUMILEDS

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:



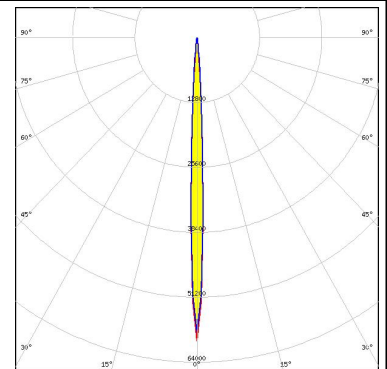
LUMILEDS

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:

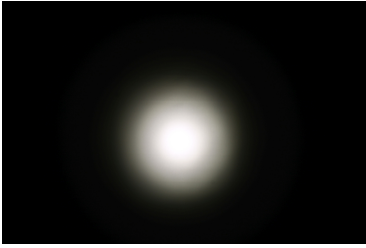
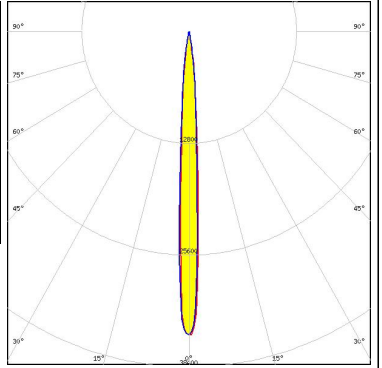

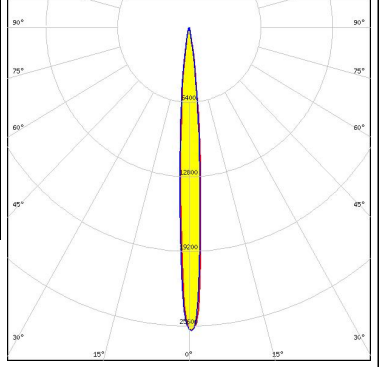

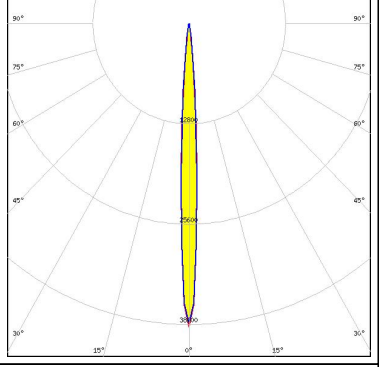
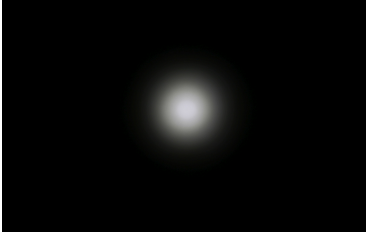
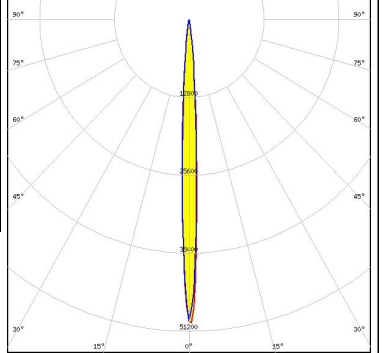


NICHIA

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



OPTICAL RESULTS (MEASURED):

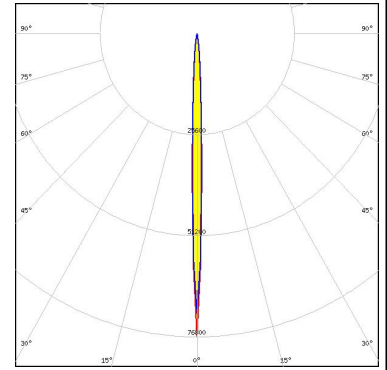
<p>NICHIA</p> <p>LED NVSW219F FWHM / FWTM 7.0° / 17.0° Efficiency 93 % Peak intensity 34.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A FWHM / FWTM 8.0° / 18.0° Efficiency 90 % Peak intensity 26.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>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:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>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:</p>		

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

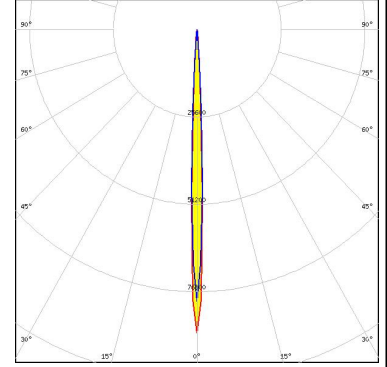
LED OSLON SSL 150
 FWHM / FWTM 4.0° / 11.0°
 Efficiency 93 %
 Peak intensity 76.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

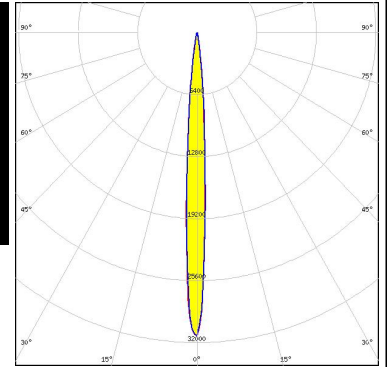
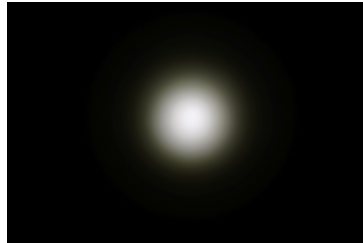
Opto Semiconductors

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

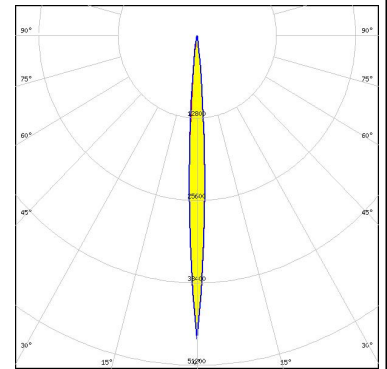
LED Z5M3
 FWHM / FWTM 7.0° / 16.0°
 Efficiency 92 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



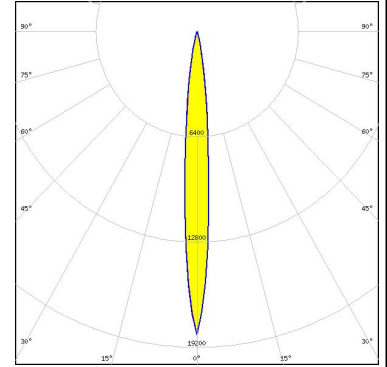
OPTICAL RESULTS (SIMULATED):



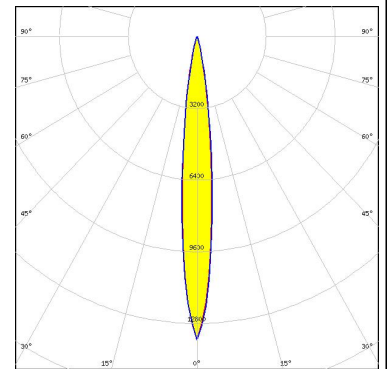
LED XD16
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 91 %
 Peak intensity 47.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



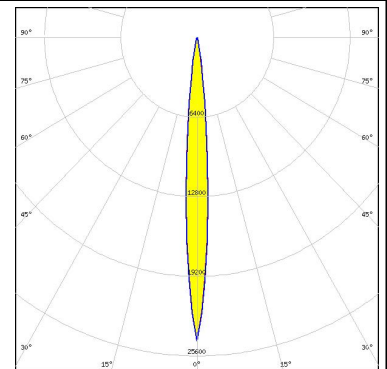
LED XHP35 HD
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 93 %
 Peak intensity 18.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




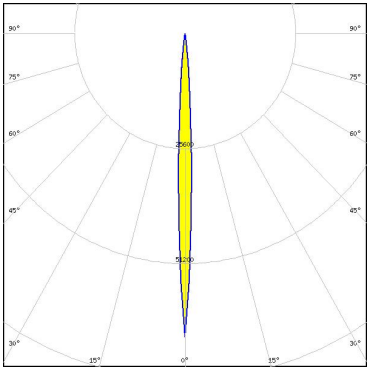

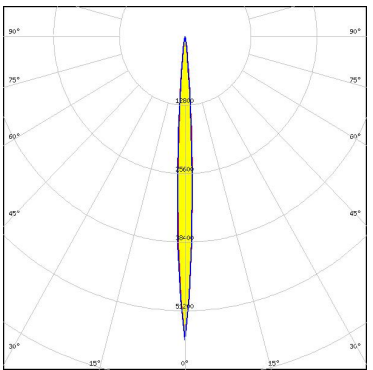

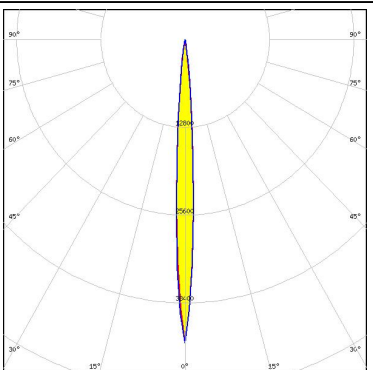

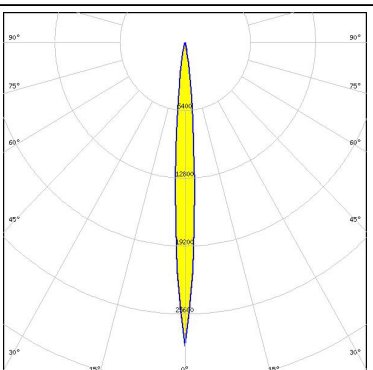
LED XHP35.2 HD
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 86 %
 Peak intensity 13.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



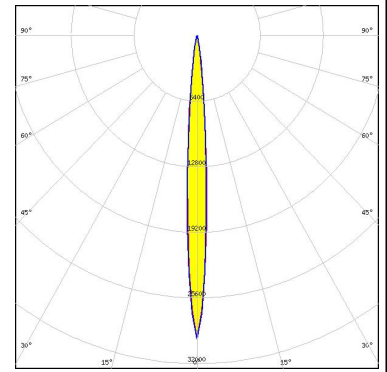
OPTICAL RESULTS (SIMULATED):

	<p>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:</p>	
	<p>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:</p>	
	<p>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:</p>	
	<p>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:</p>	

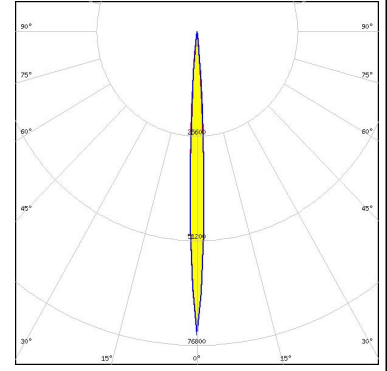
OPTICAL RESULTS (SIMULATED):



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:



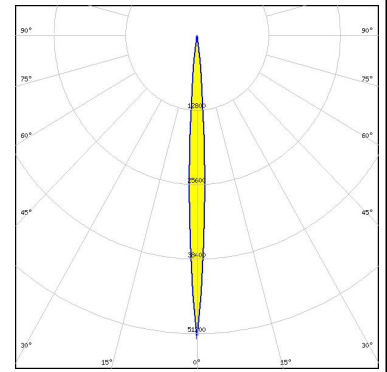
LED XQ-E HD
 FWHM / FWTM 5.5° / 12.0°
 Efficiency 94 %
 Peak intensity 74.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



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:

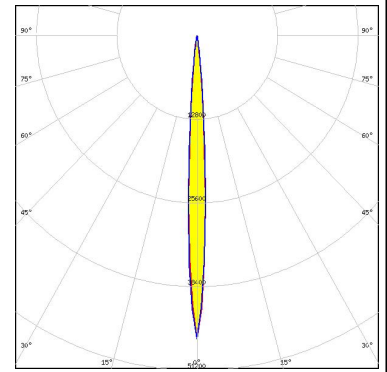


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

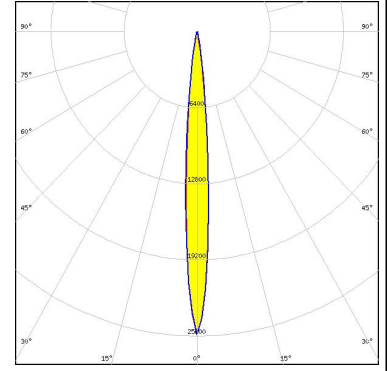
LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 6.5° / 13.0°
 Efficiency 94 %
 Peak intensity 46.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

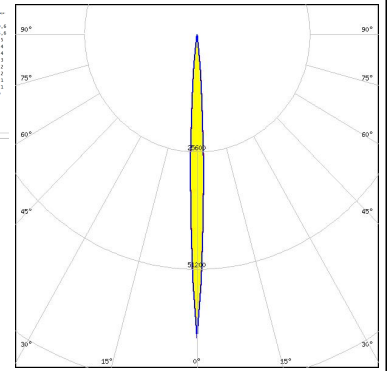
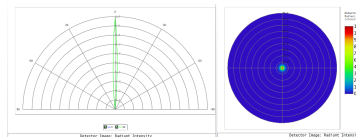
LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 9.0° / 19.0°
 Efficiency 94 %
 Peak intensity 25.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

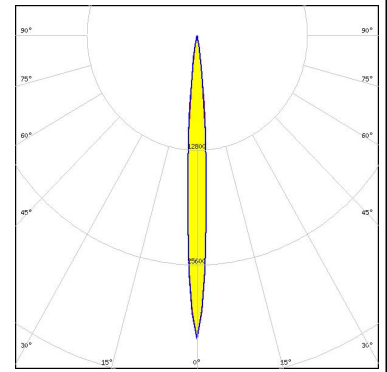
Opto Semiconductors

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



SAMSUNG

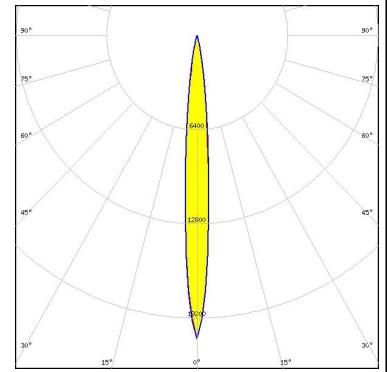
LED LH351B
 FWHM / FWTM 7.4° / 17.0°
 Efficiency 94 %
 Peak intensity 33.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

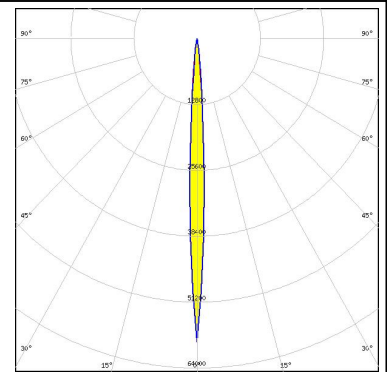
SAMSUNG

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:



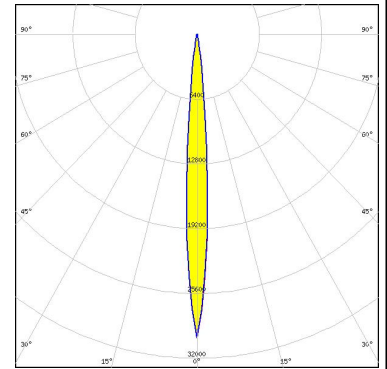
SAMSUNG

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.

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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