

OLGA-S

~11° spot beam beam. Assembly with holder and installation tape.

SPECIFICATION:

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

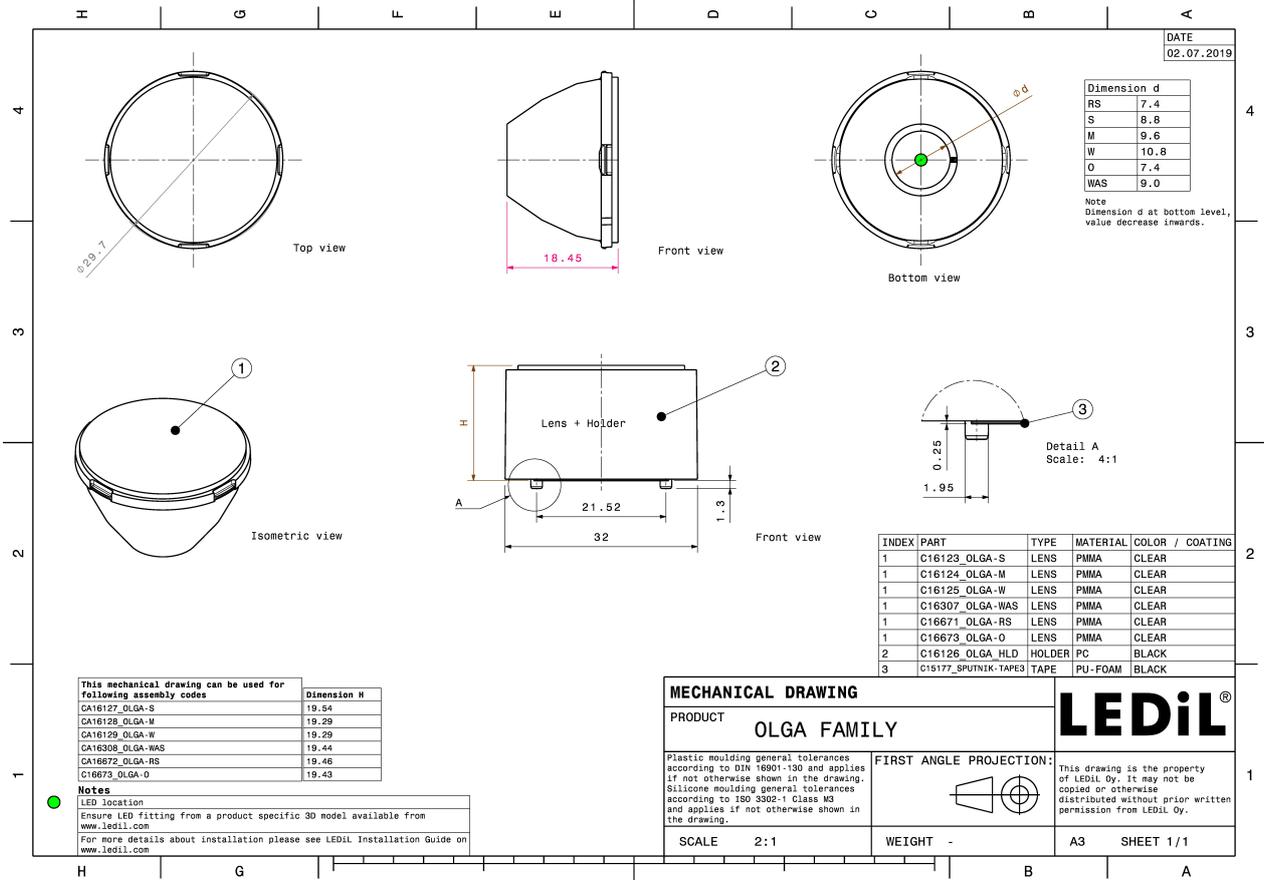
MATERIALS:

Component	Type	Material	Colour	Finish
OLGA-S	Single lens	PMMA	clear	
OLGA-HLD	Holder	PC	black	
SPUTNIK-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

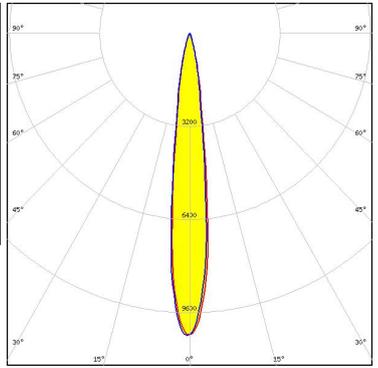
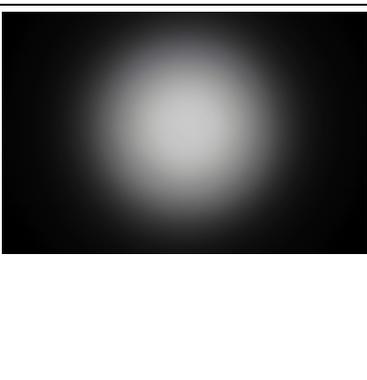
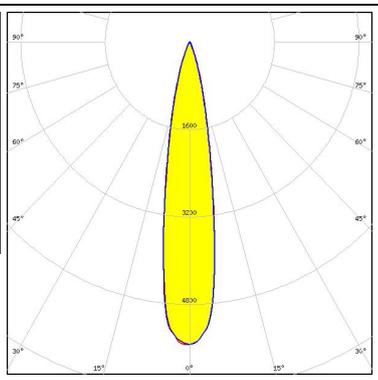
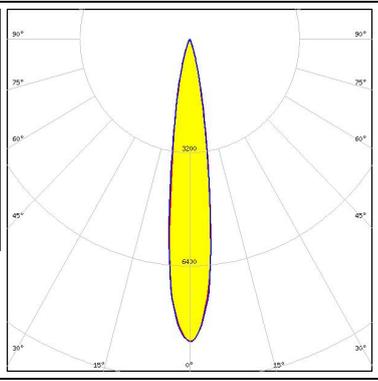
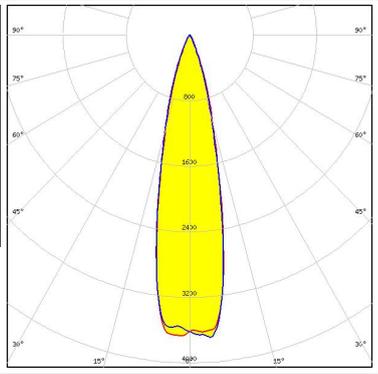
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA16127_OLGA-S	Single lens	792	132	66	9.8
» Box size: 476 x 273 x 292 mm					





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

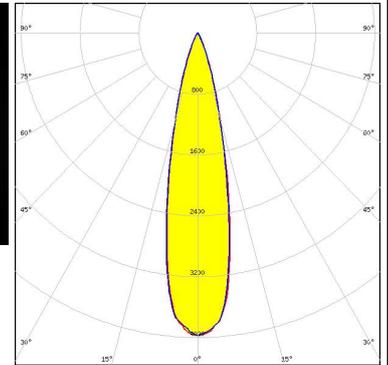
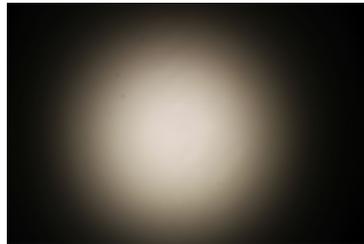
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XD16 FWHM / FWTM 13.0° / 28.0° Efficiency 82 % Peak intensity 10.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP35 HD FWHM / FWTM 19.0° / 37.0° Efficiency 83 % Peak intensity 5.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP35 HI FWHM / FWTM 15.0° / 31.0° Efficiency 87 % Peak intensity 8.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP50 FWHM / FWTM 24.0° / 44.0° Efficiency 83 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

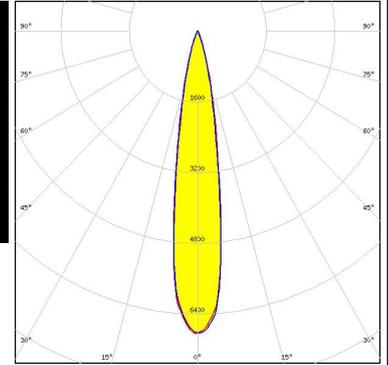
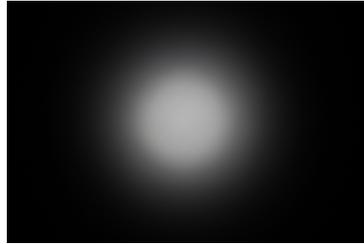
CREE LED

LED XHP50.2
 FWHM / FWTM 23.0° / 43.0°
 Efficiency 82 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



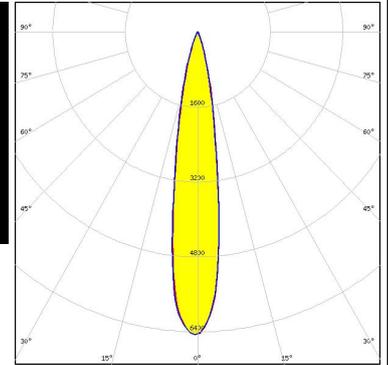
CREE LED

LED XM-L
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 86 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



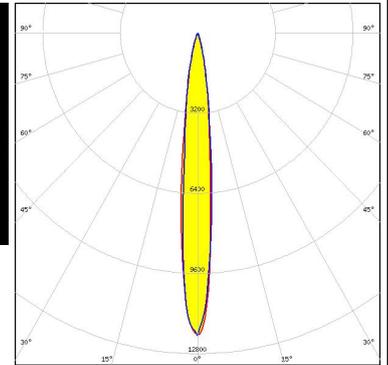
CREE LED

LED XM-L3
 FWHM / FWTM 17.0° / 35.0°
 Efficiency 85 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

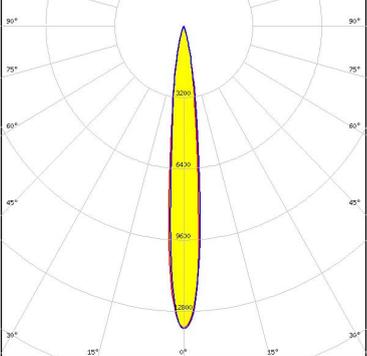
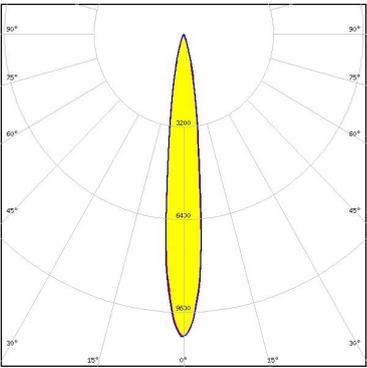
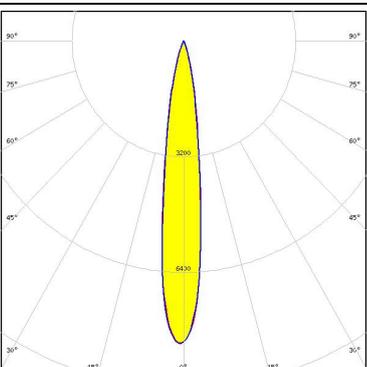
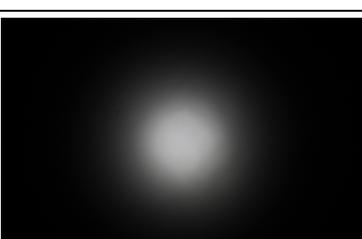
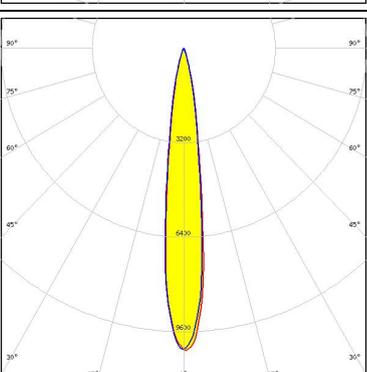


CREE LED

LED XP-E
 FWHM / FWTM 11.0° / 27.0°
 Efficiency 87 %
 Peak intensity 12.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



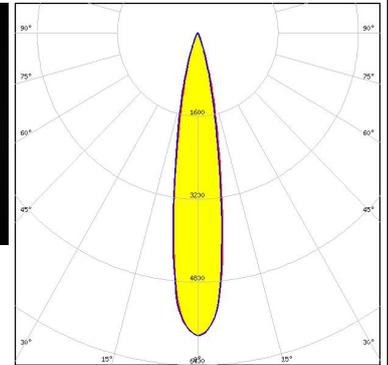
OPTICAL RESULTS (MEASURED):

<p>CREE ⇄ LED</p> <p>LED XP-E2 FWHM / FWTM 11.0° / 26.0° Efficiency 89 % Peak intensity 13.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XP-G2 FWHM / FWTM 13.0° / 29.0° Efficiency 87 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XP-G3 FWHM / FWTM 14.0° / 31.0° Efficiency 86 % Peak intensity 8.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XP-L HI FWHM / FWTM 14.0° / 29.0° Efficiency 88 % Peak intensity 10.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

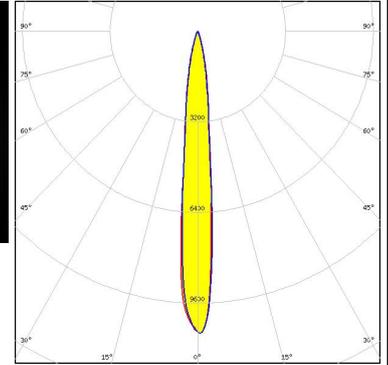
CREE LED

LED XP-L2
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 82 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



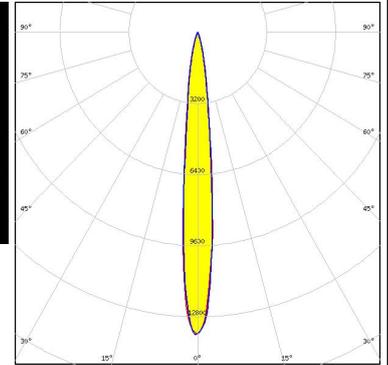
CREE LED

LED XQ-E HD
 FWHM / FWTM 11.0° / 28.0°
 Efficiency 81 %
 Peak intensity 11 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



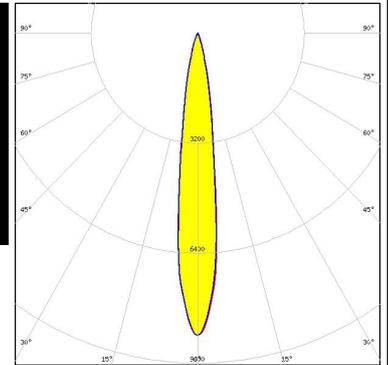
CREE LED

LED XQ-E HI
 FWHM / FWTM 11.0° / 26.0°
 Efficiency 86 %
 Peak intensity 13.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

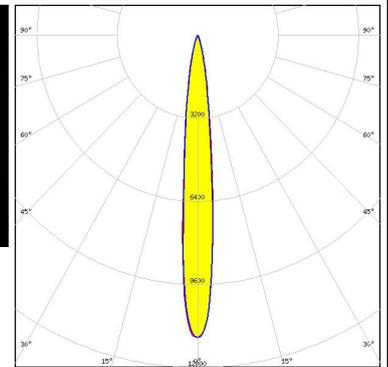
LED XT-E
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 84 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

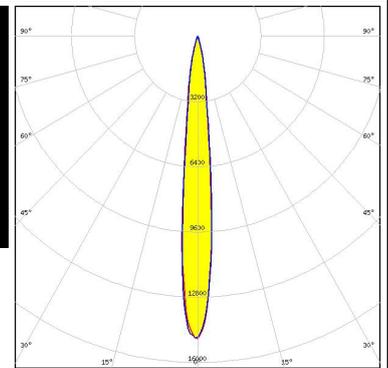
LUMILEDS

LED LUXEON C
 FWHM / FWTM 11.0° / 27.0°
 Efficiency 84 %
 Peak intensity 11.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



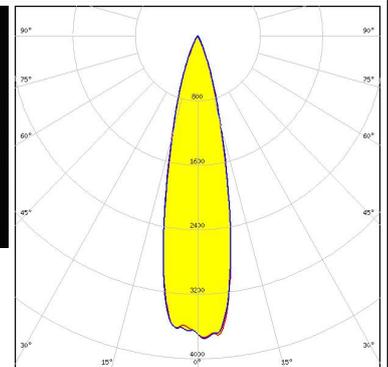
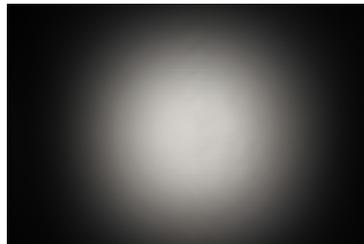
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 11.0° / 25.0°
 Efficiency 89 %
 Peak intensity 14.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



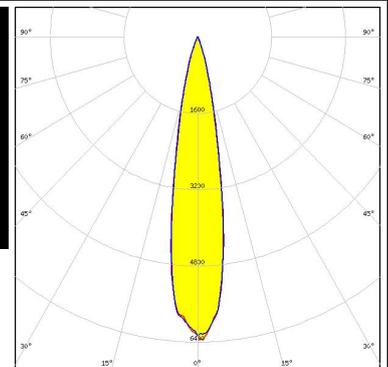
LUMILEDS

LED LUXEON M/MX
 FWHM / FWTM 24.0° / 44.0°
 Efficiency 84 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

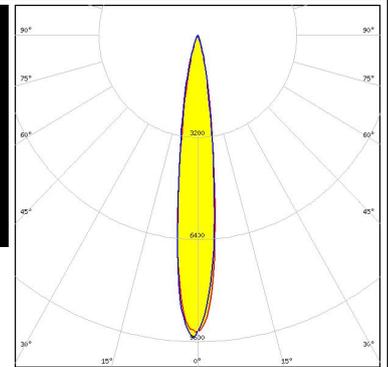
LED LUXEON MZ
 FWHM / FWTM 19.0° / 35.0°
 Efficiency 86 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

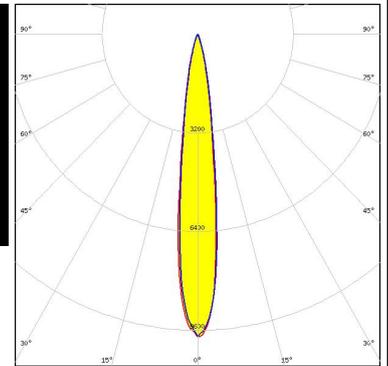
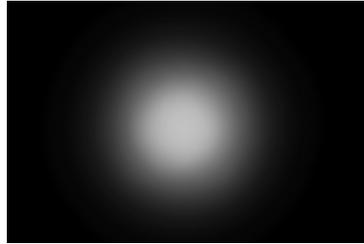
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 86 %
 Peak intensity 9.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



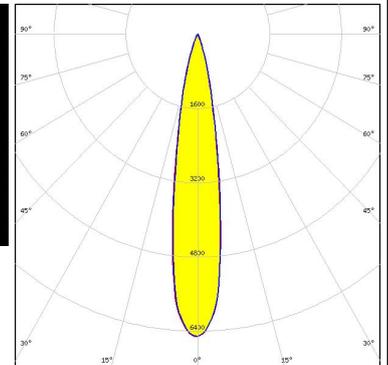
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 86 %
 Peak intensity 9.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



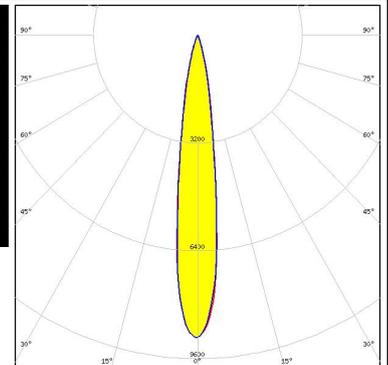
LUMILEDS

LED LUXEON V
 FWHM / FWTM 18.0° / 35.0°
 Efficiency 84 %
 Peak intensity 6.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

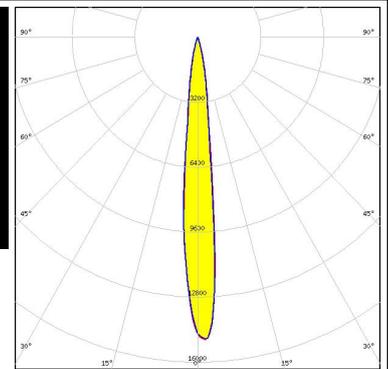
LED LUXEON V2
 FWHM / FWTM 15.0° / 31.0°
 Efficiency 86 %
 Peak intensity 9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

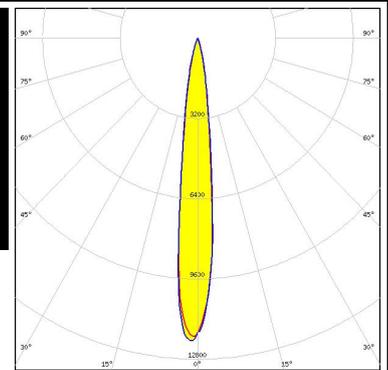
LUMILEDS

LED LUXEON Z
 FWHM / FWTM 11.0° / 25.0°
 Efficiency 88 %
 Peak intensity 15.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



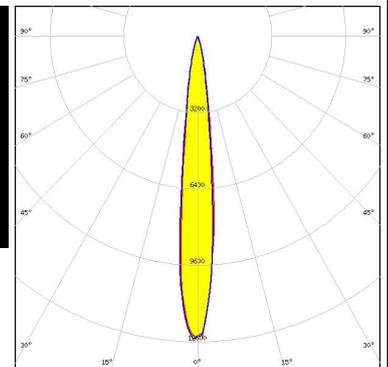
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 12.0° / 27.0°
 Efficiency 89 %
 Peak intensity 12.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



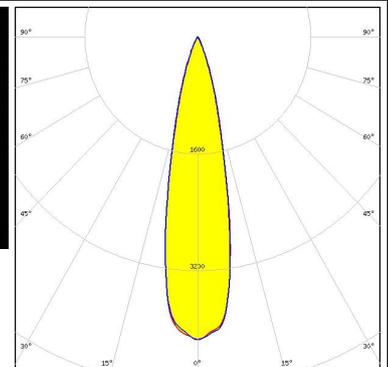
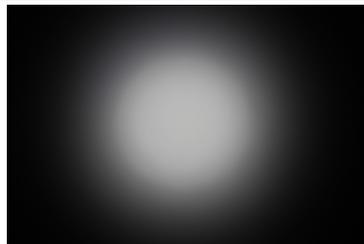
NICHIA

LED NCSxE17A
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 87 %
 Peak intensity 12.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

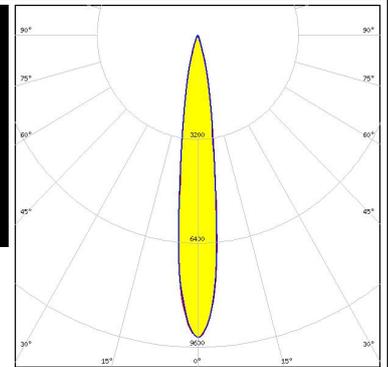
LED NV4x144A
 FWHM / FWTM 23.0° / 43.0°
 Efficiency 84 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



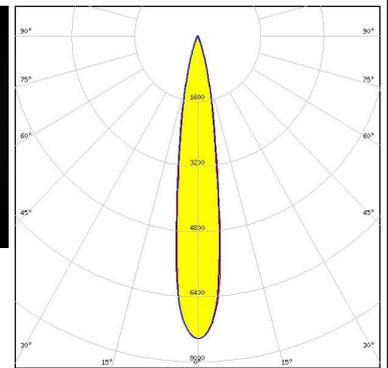
OPTICAL RESULTS (MEASURED):



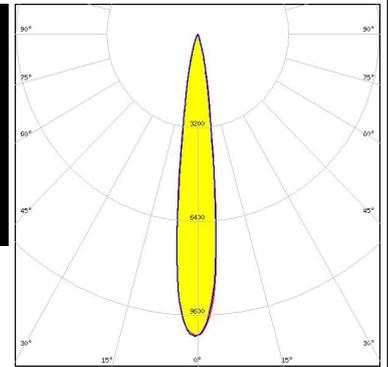
LED NVSW219D
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 85 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



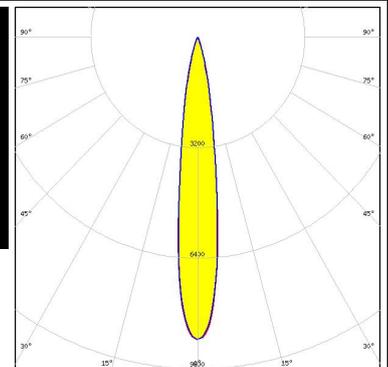
LED NVSW319B
 FWHM / FWTM 16.0° / 33.0°
 Efficiency 86 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxE21A
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 87 %
 Peak intensity 10.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



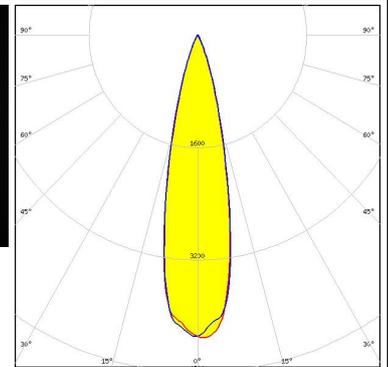
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 15.0° / 31.0°
 Efficiency 85 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

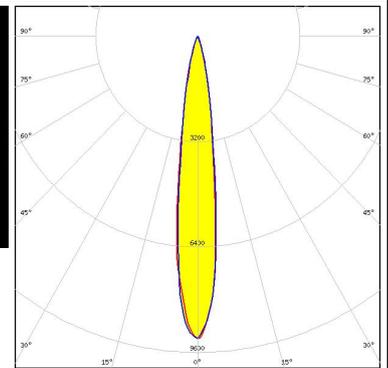
OSRAM Opto Semiconductors

LED Duris S8
 FWHM / FWTM 24.0° / 43.0°
 Efficiency 86 %
 Peak intensity 4.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



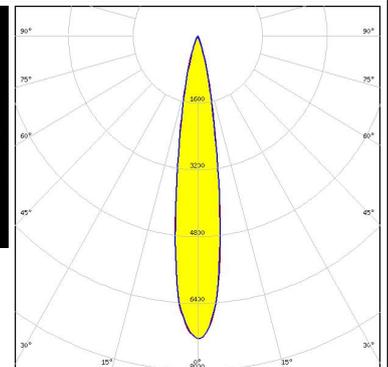
OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 87 %
 Peak intensity 9.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



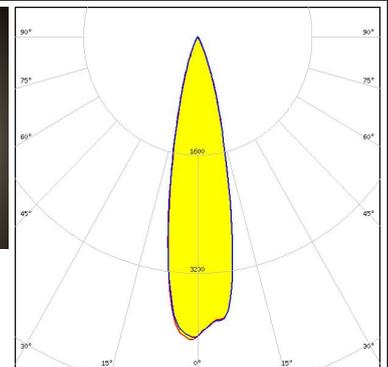
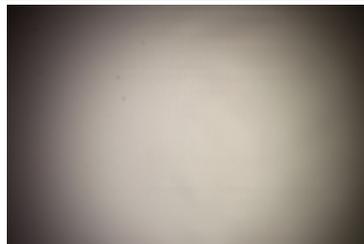
OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 17.0° / 33.0°
 Efficiency 86 %
 Peak intensity 7.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

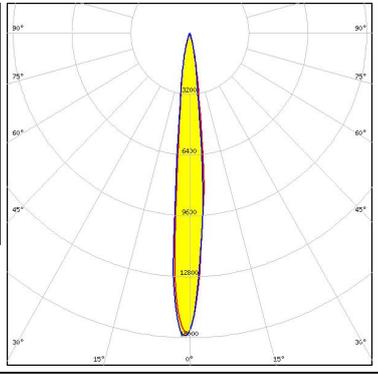
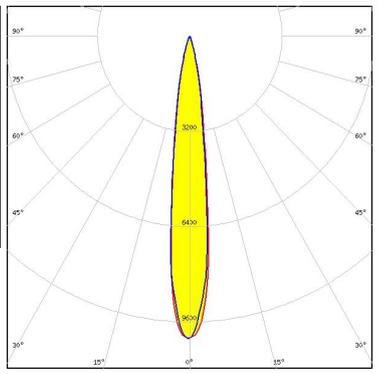
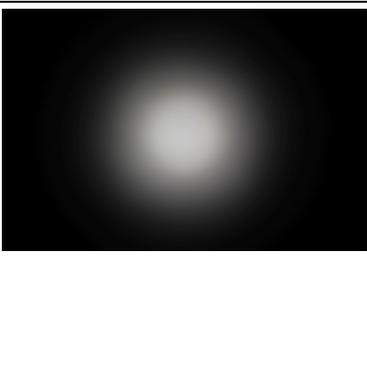
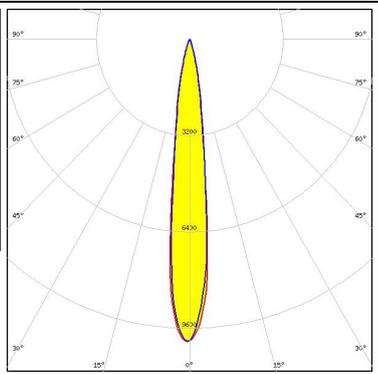
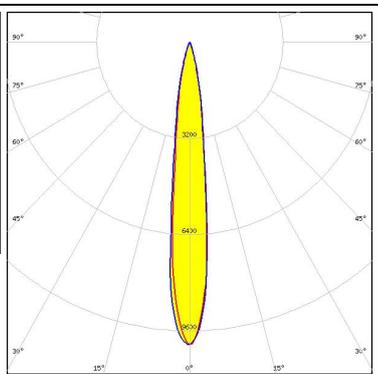


OSRAM Opto Semiconductors

LED OSCONIQ P 7070
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 84 %
 Peak intensity 4.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

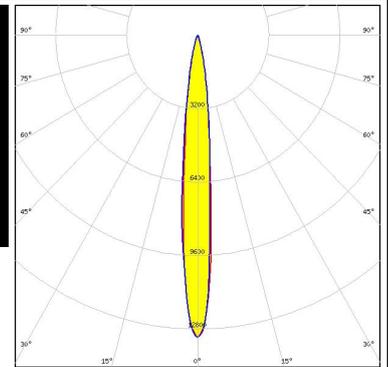
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Black Flat</p> <p>FWHM / FWTM 11.0° / 24.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 16 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 14.0° / 30.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 10.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 13.0° / 29.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 10 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square PC</p> <p>FWHM / FWTM 13.0° / 30.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 10.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

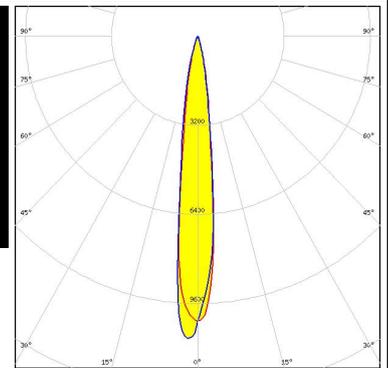
LED OSLON SSL 150
 FWHM / FWTM 11.0° / 26.0°
 Efficiency 87 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

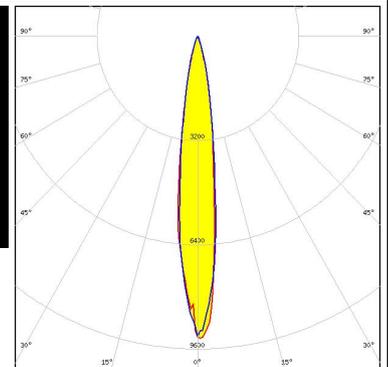
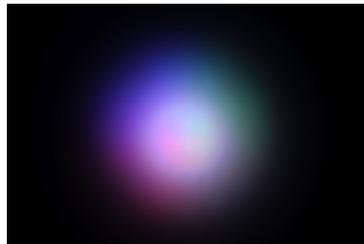
LED OSLON SSL 80
 FWHM / FWTM 13.0° / 28.0°
 Efficiency 86 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

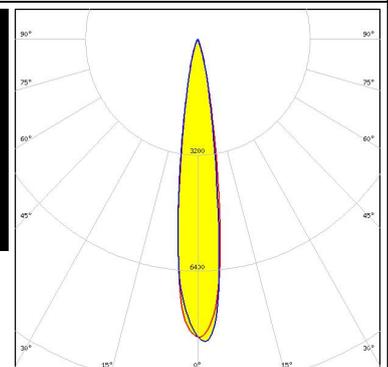
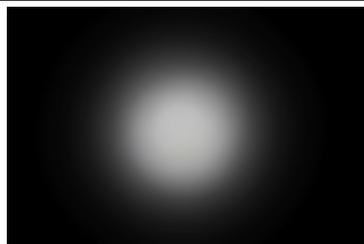
Opto Semiconductors

LED OSTAR Stage (S2WN)
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 86 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour RGBW
 Required components:



SAMSUNG

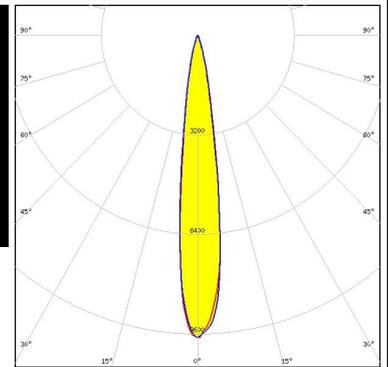
LED LH181A
 FWHM / FWTM 15.0° / 30.0°
 Efficiency 81 %
 Peak intensity 8.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

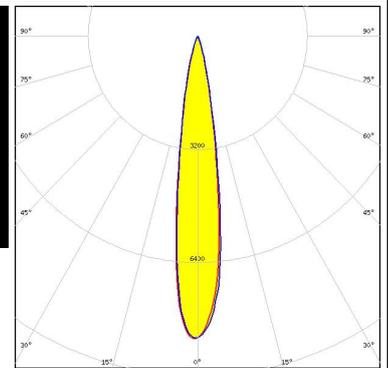
SAMSUNG

LED LH181B
 FWHM / FWTM 15.0° / 29.0°
 Efficiency 87 %
 Peak intensity 9.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



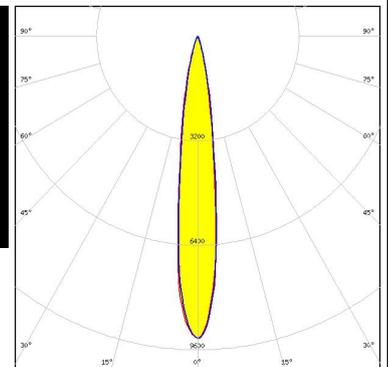
SAMSUNG

LED LH231B
 FWHM / FWTM 16.0° / 31.0°
 Efficiency 88 %
 Peak intensity 8.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



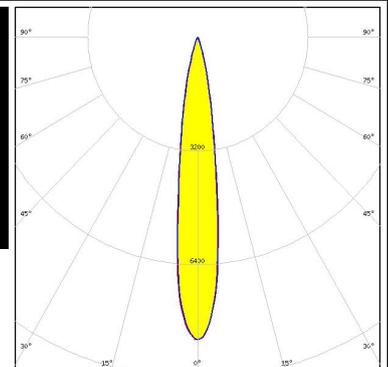
SAMSUNG

LED LH351B
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 87 %
 Peak intensity 9.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

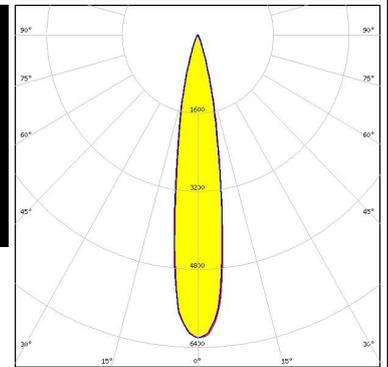
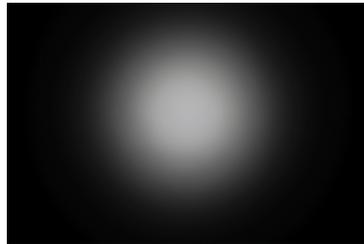
LED LH351C
 FWHM / FWTM 15.0° / 31.0°
 Efficiency 86 %
 Peak intensity 8.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

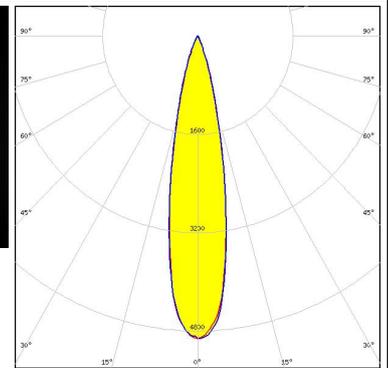
SAMSUNG

LED LH351D
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



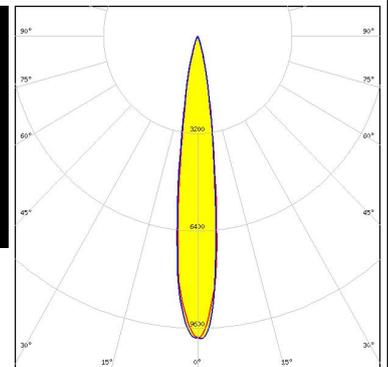
SAMSUNG

LED LH508A
 FWHM / FWTM 21.0° / 40.0°
 Efficiency 86 %
 Peak intensity 4.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



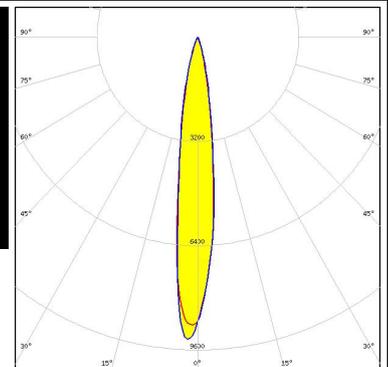
SAMSUNG

LED LM302A
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 89 %
 Peak intensity 9.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

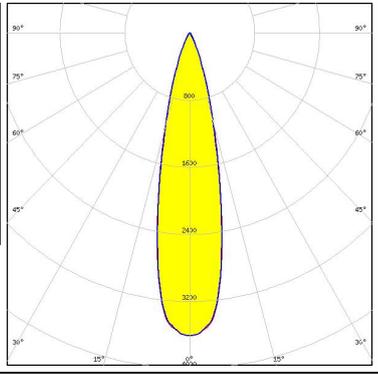
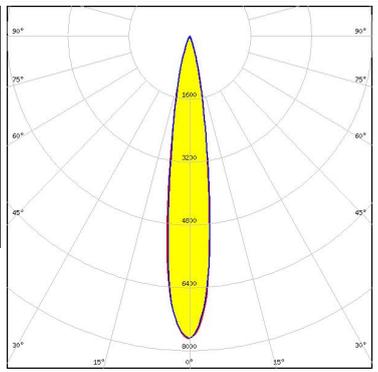


SAMSUNG

LED LM561B
 FWHM / FWTM 14.0° / 31.0°
 Efficiency 88 %
 Peak intensity 9.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



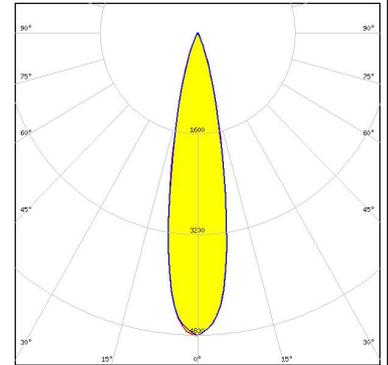
OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED WICOP 5050</p> <p>FWHM / FWTM 24.0° / 45.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 3.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 16.0° / 32.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 7.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

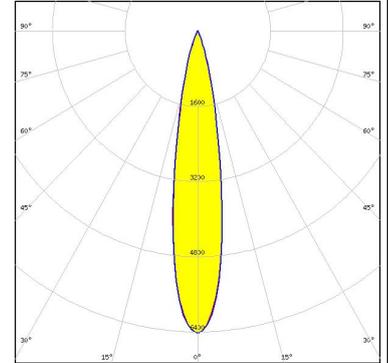
OPTICAL RESULTS (SIMULATED):



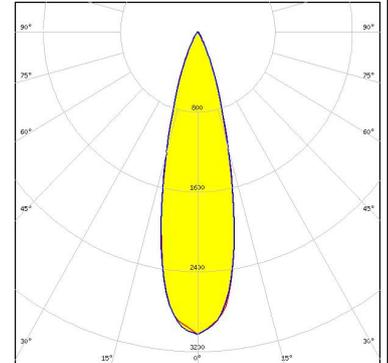
LED XHP50.3 HD
 FWHM / FWTM 22.0° / 40.0°
 Efficiency 84 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



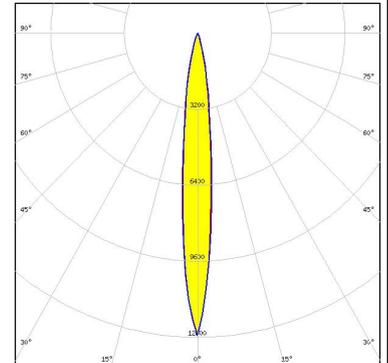
LED XHP50.3 HI
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 95 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP70.3 HD
 FWHM / FWTM 26.0 + 28.0° / 50.0°
 Efficiency 82 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



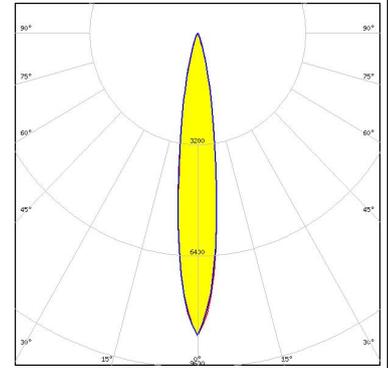
LED XP-E2
 FWHM / FWTM 11.0° / 28.0°
 Efficiency 91 %
 Peak intensity 12.7 cd/lm
 LEDs/each optic 1
 Light colour Amber
 Required components:



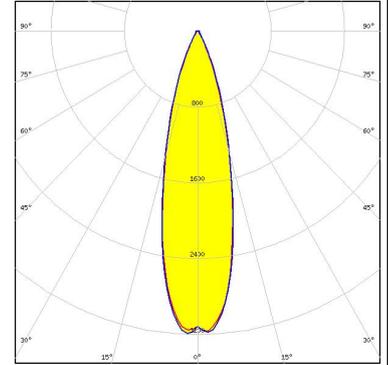
OPTICAL RESULTS (SIMULATED):



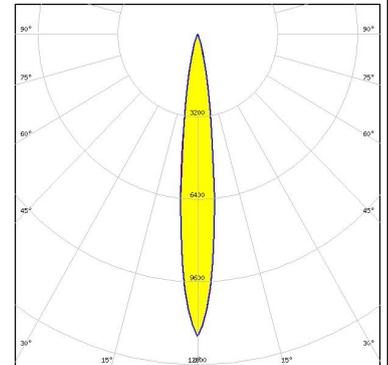
LED XP-G2 HE
 FWHM / FWTM 15.0° / 32.0°
 Efficiency 88 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



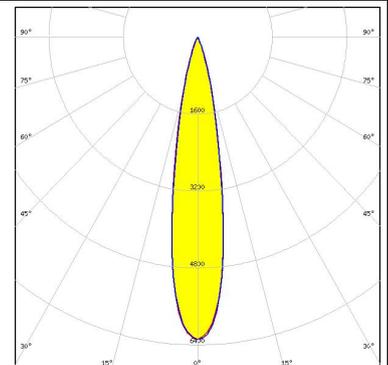
LED LUXEON 7070
 FWHM / FWTM 26.0° / 51.0°
 Efficiency 94 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SST-20
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 91 %
 Peak intensity 11.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



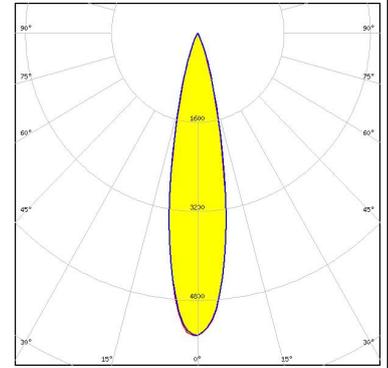
LED SST-70X-WCS
 FWHM / FWTM 20.0° / 37.0 + 36.0°
 Efficiency 89 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



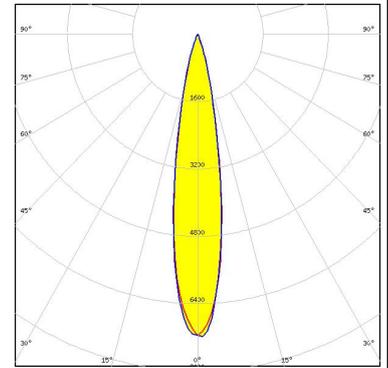
OPTICAL RESULTS (SIMULATED):



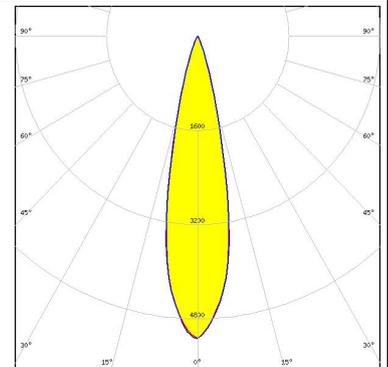
LED NFMW48xA
FWHM / FWTM 21.0° / 40.0°
Efficiency 89 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NV4WB35AM
FWHM / FWTM 18.0° / 34.0°
Efficiency 89 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LH151B
FWHM / FWTM 22.0° / 38.0°
Efficiency 88 %
Peak intensity 5.1 cd/lm
LEDs/each optic 4
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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)