

HEIDI-RS

~8° spot beam

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

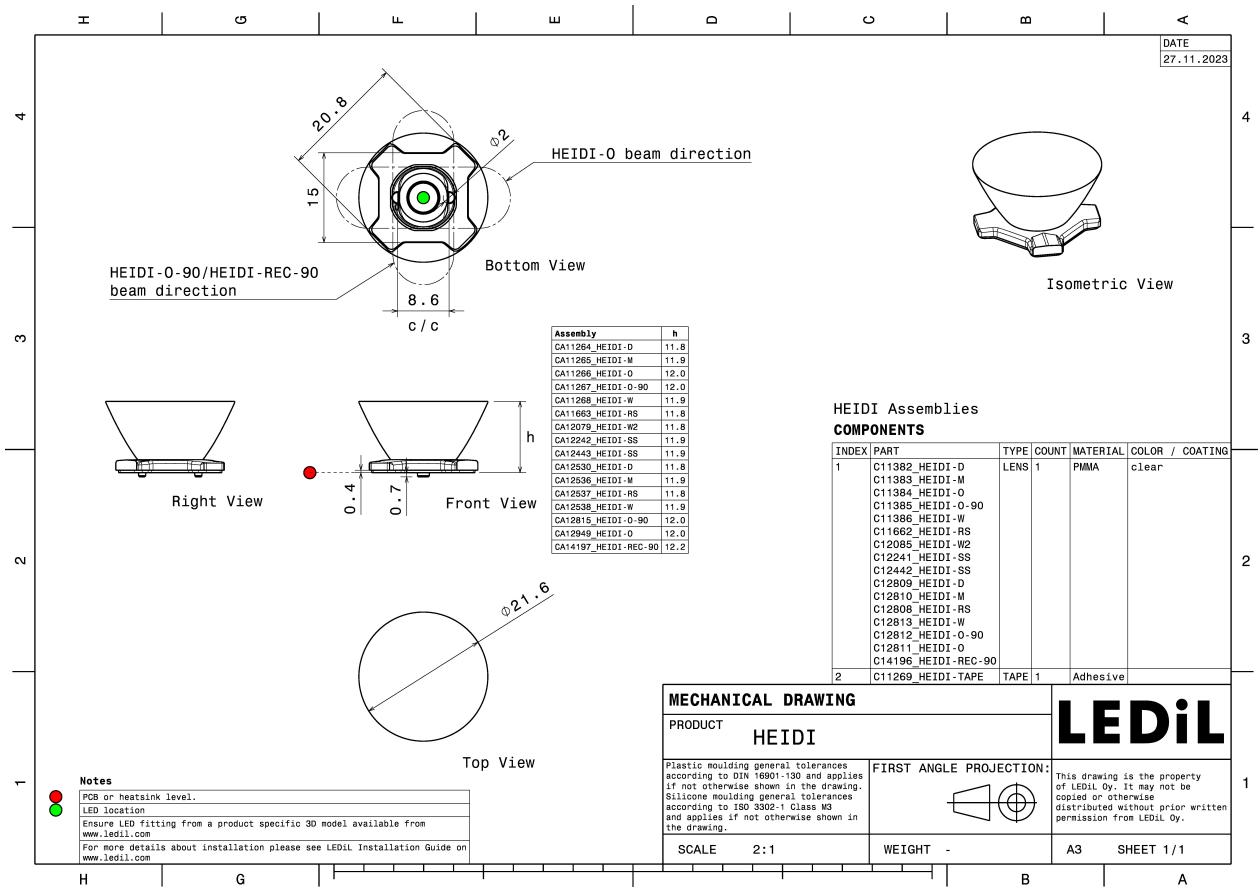
MATERIALS:

Component	Type	Material	Colour	Finish
HEIDI-RS	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11663_HEIDI-RS	Single lens	3264	204	204	10.4
» Box size: 480 x 280 x 300 mm					





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

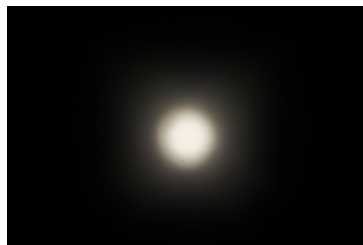
OPTICAL RESULTS (MEASURED):



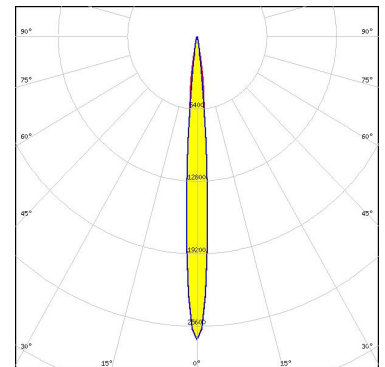
LED XB-D
FWHM / FWTM 8.0°
Efficiency 91 %
Peak intensity 19.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



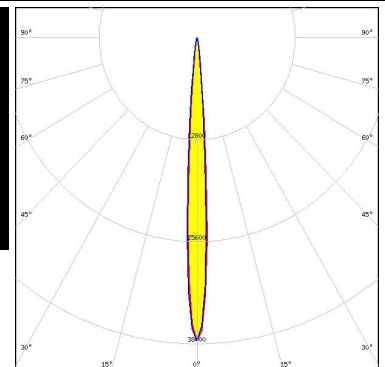
LED XB-H
FWHM / FWTM 10.0° / 19.0°
Efficiency 90 %
Peak intensity 18.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E
FWHM / FWTM 8.0° / 18.0°
Efficiency 93 %
Peak intensity 26.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM / FWTM 8.0° / 14.0°
Efficiency 90 %
Peak intensity 38 cd/lm
LEDs/each optic 1
Light colour White
Required components:



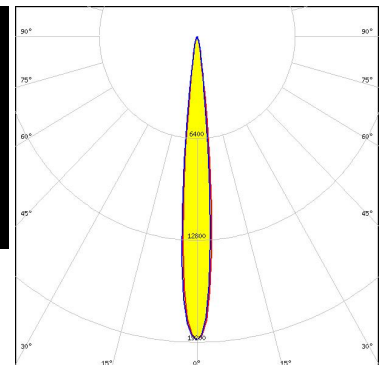
OPTICAL RESULTS (MEASURED):



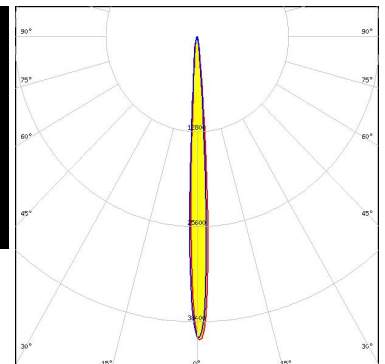
LED XP-G
FWHM / FWTM 9.0° / 20.0°
Efficiency 93 %
Peak intensity 16.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



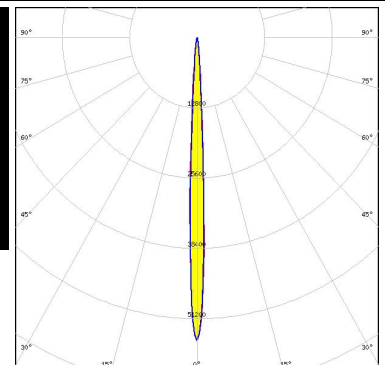
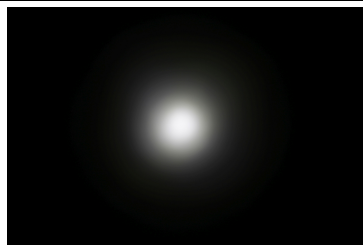
LED XP-G2
FWHM / FWTM 11.0° / 20.0°
Efficiency 91 %
Peak intensity 19.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XQ-E HD
FWHM / FWTM 6.0° / 12.0°
Efficiency 94 %
Peak intensity 42.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



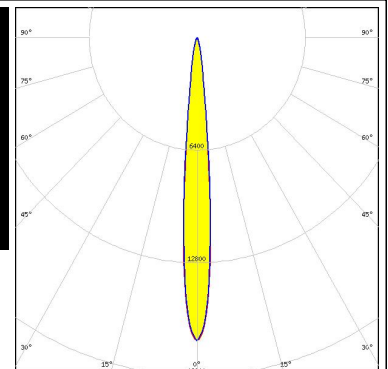
LED XQ-E HI
FWHM / FWTM 5.0° / 11.0°
Efficiency 94 %
Peak intensity 55.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



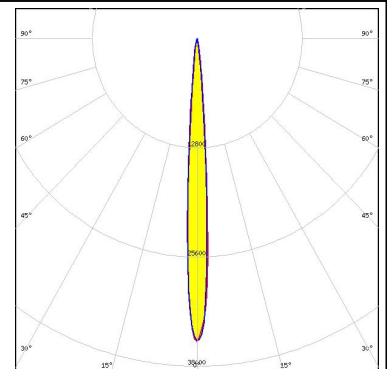
OPTICAL RESULTS (MEASURED):



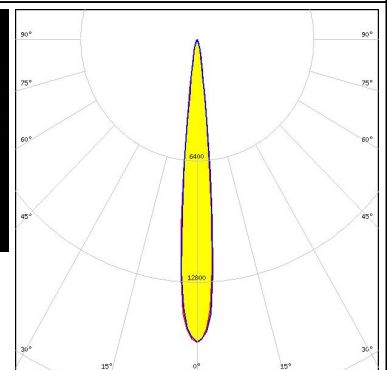
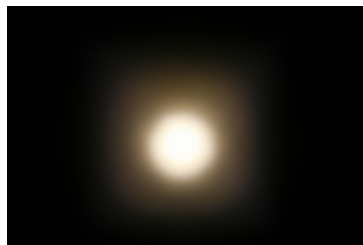
LED XT-E
FWHM / FWTM 10.0° / 21.0°
Efficiency 97 %
Peak intensity 17.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



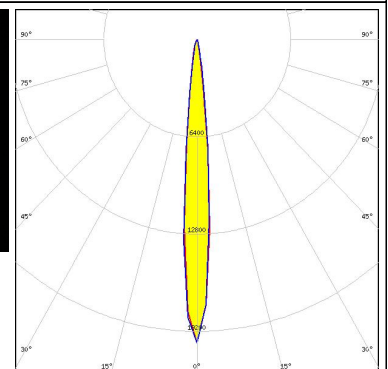
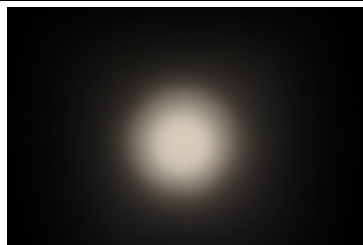
LED LUXEON C
FWHM / FWTM 7.0° / 14.0°
Efficiency 92 %
Peak intensity 35.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON T
FWHM / FWTM 11.0° / 20.0°
Efficiency 92 %
Peak intensity 16.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON TX
FWHM / FWTM 10.0° / 20.0°
Efficiency 90 %
Peak intensity 19.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



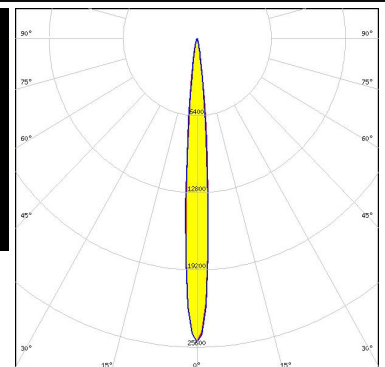
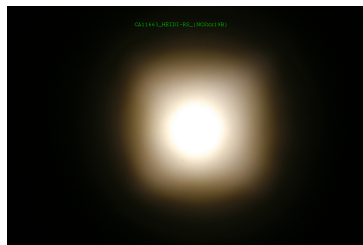
OPTICAL RESULTS (MEASURED):



LED NCSxx19A
FWHM / FWTM 8.0° / 18.0°
Efficiency 89 %
Peak intensity 19 cd/lm
LEDs/each optic 1
Light colour White
Required components:



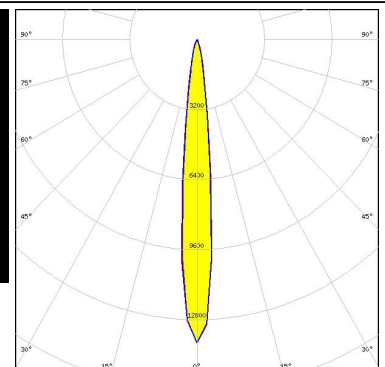
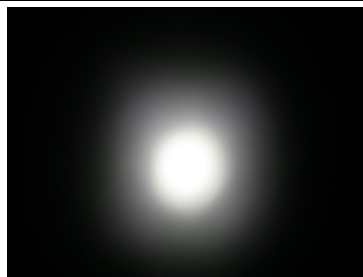
LED NCSxx19B
FWHM / FWTM 9.0° / 18.0°
Efficiency 90 %
Peak intensity 25.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19A
FWHM / FWTM 10.0° / 23.0°
Efficiency 89 %
Peak intensity 13.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



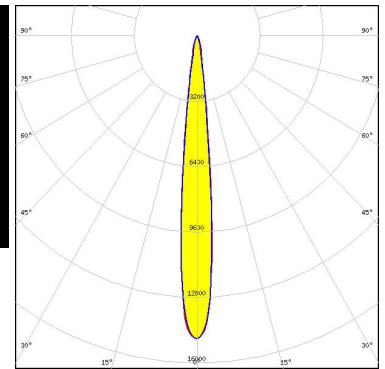
LED NVSxx19B/NVSxx19C
FWHM / FWTM 12.0° / 26.0°
Efficiency 92 %
Peak intensity 13.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 12.0° / 21.0°
 Efficiency 96 %
 Peak intensity 14.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



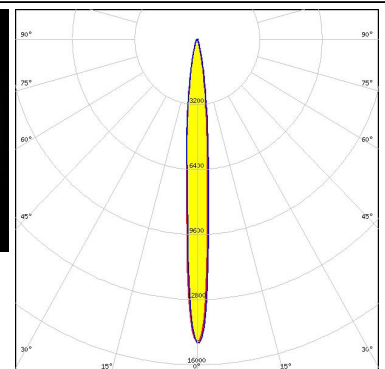
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 89 %
 Peak intensity 20.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLON SSL 150
 FWHM / FWTM 7.0° / 16.0°
 Efficiency 93 %
 Peak intensity 24.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



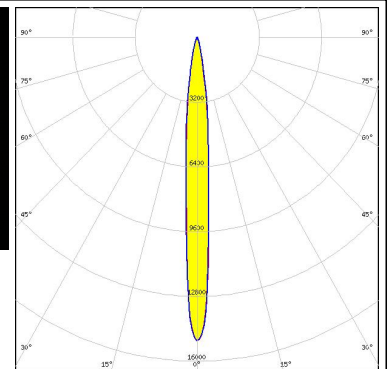
LED LH181A
 FWHM / FWTM 8.0° / 24.0°
 Efficiency 94 %
 Peak intensity 14.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

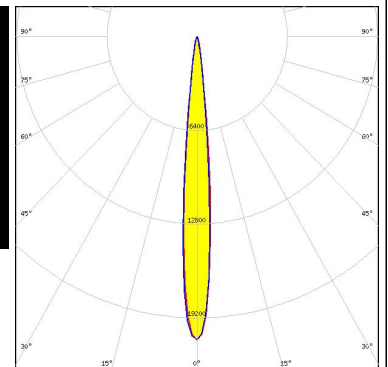
SAMSUNG

LED LH181B
FWHM / FWTM 9.0° / 24.0°
Efficiency 94 %
Peak intensity 15 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH351Z
FWHM / FWTM 11.0° / 19.0°
Efficiency 89 %
Peak intensity 20.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



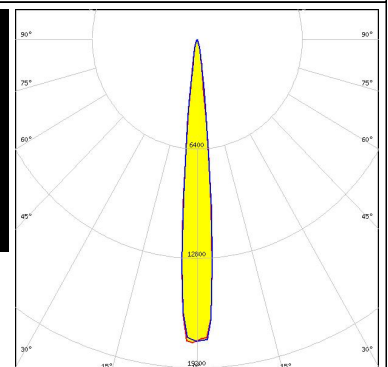
SEOUL SEMICONDUCTOR

LED Z5
FWHM / FWTM 7.0° / 16.0°
Efficiency 93 %
Peak intensity 32.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

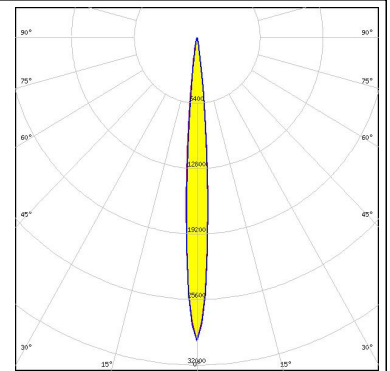
LED Z5M1/Z5M2
FWHM / FWTM 11.0° / 19.0°
Efficiency 94 %
Peak intensity 17.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



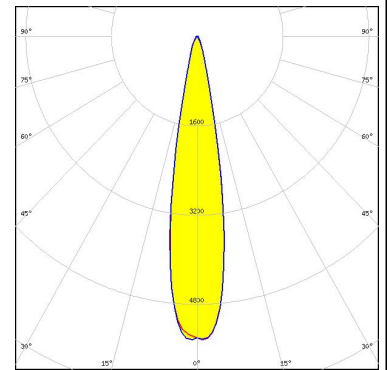
OPTICAL RESULTS (SIMULATED):



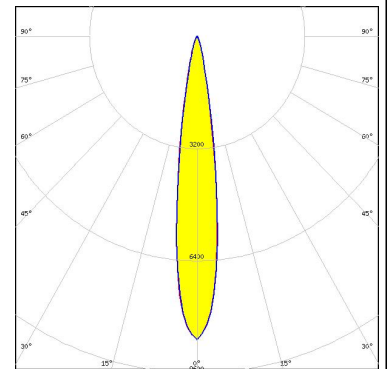
LED XE-G
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 29.7 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



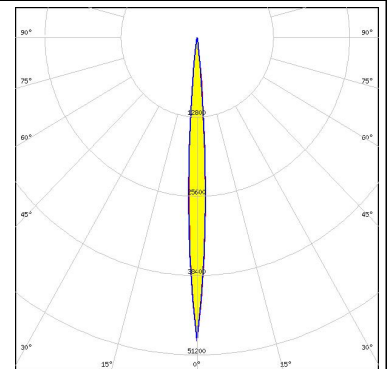
LED XHP35.2 HD
FWHM / FWTM 20.0° / 34.0°
Efficiency 91 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35.2 HI
FWHM / FWTM 16.0° / 29.0°
Efficiency 94 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



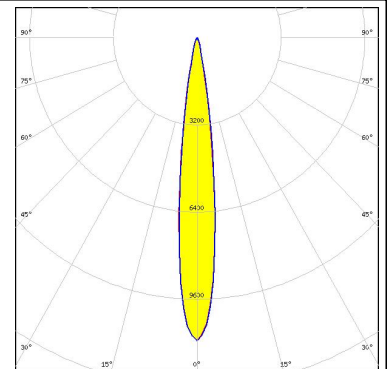
LED LUXEON CZ
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 48.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

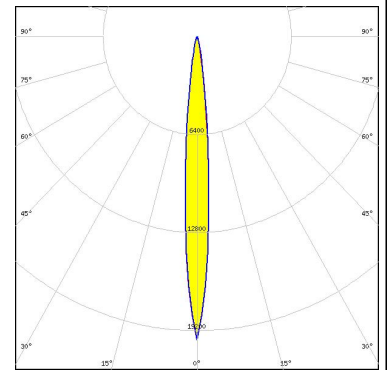
LUMILEDS

LED LUXEON HL2X
FWHM / FWTM 14.0° / 26.0°
Efficiency 94 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



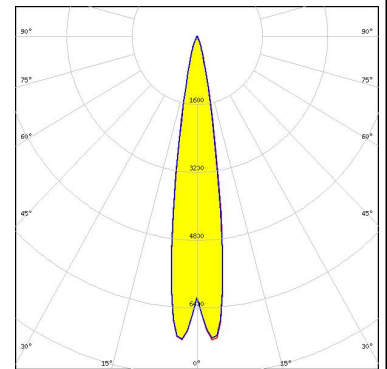
LUMILEDS

LED LUXEON HL2Z
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 19.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



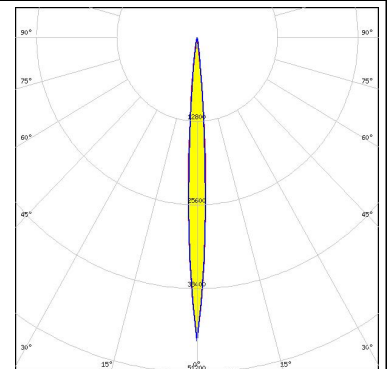
LUMILEDS

LED LUXEON MZ
FWHM / FWTM 18.0° / 31.0°
Efficiency 95 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

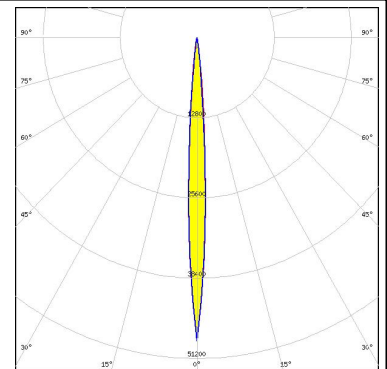
LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 46.4 cd/lm
LEDs/each optic 1
Light colour Green
Required components:



OPTICAL RESULTS (SIMULATED):

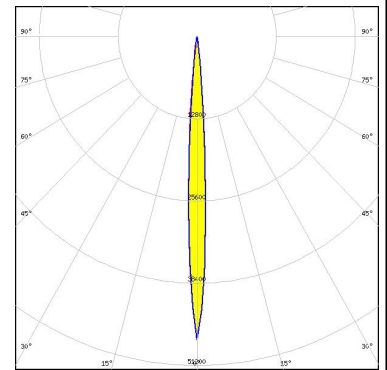
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 48.4 cd/Im
LEDs/each optic 1
Light colour Red
Required components:



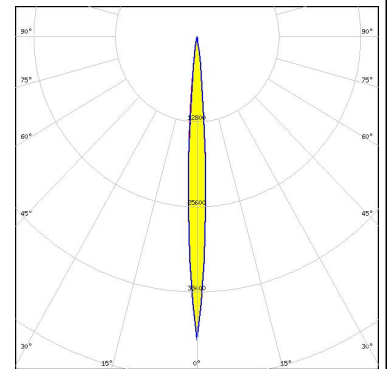
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 47.2 cd/Im
LEDs/each optic 1
Light colour White
Required components:



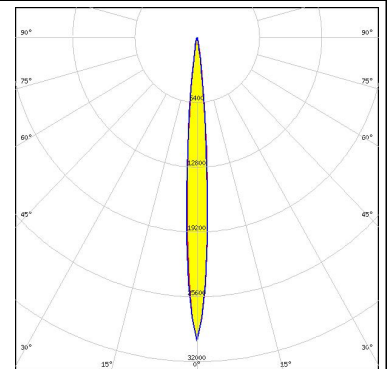
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 45.6 cd/Im
LEDs/each optic 1
Light colour Blue
Required components:



LUMILEDS

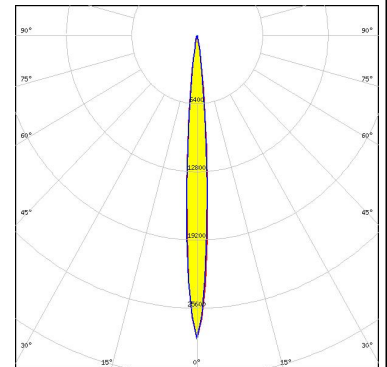
LED LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 30 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

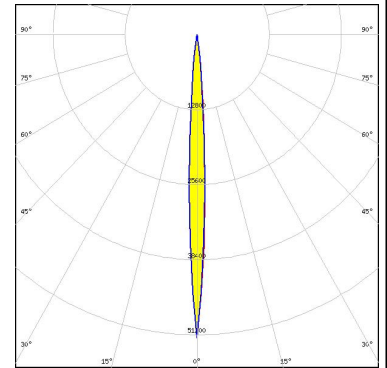
LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 8.0° / 17.0°
Efficiency 91 %
Peak intensity 28.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



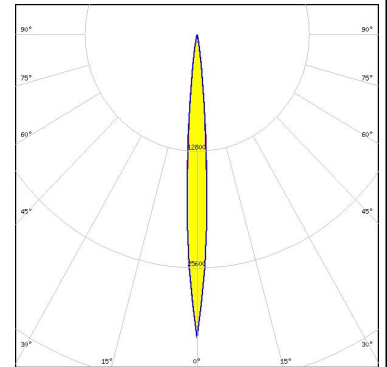
LUMILEDS

LED LUXEON Z
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 51.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



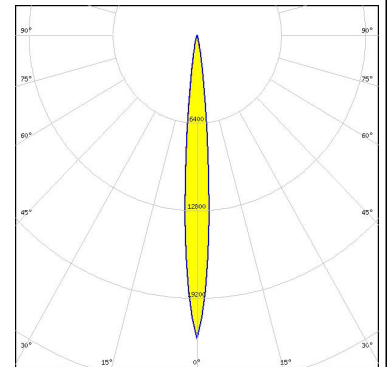
LUMILEDS

LED LUXEON Z ES
FWHM / FWTM 7.7° / 17.0°
Efficiency 94 %
Peak intensity 33.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMINUS

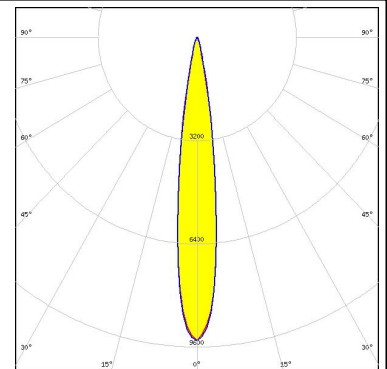
LED SST-20
FWHM / FWTM 10.0° / 19.0°
Efficiency 94 %
Peak intensity 22.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



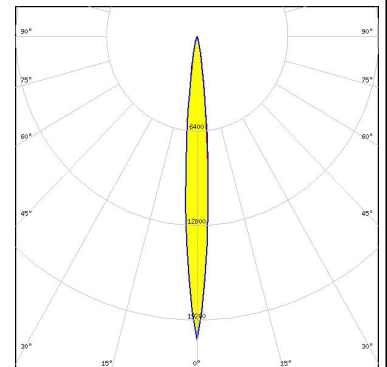
OPTICAL RESULTS (SIMULATED):



LED NVSW519A
FWHM / FWTM 14.0° / 28.0°
Efficiency 92 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

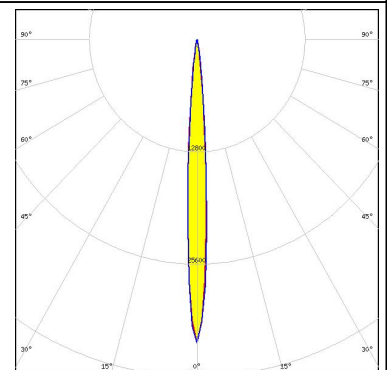


LED NVSxE21A
FWHM / FWTM 8.0° / 20.0°
Efficiency 93 %
Peak intensity 20.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



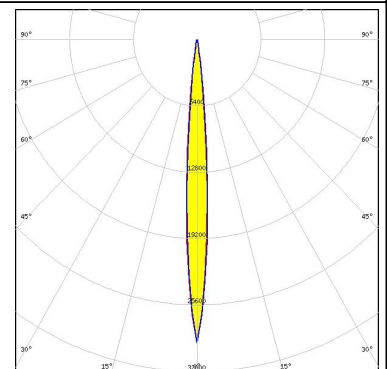
Opto Semiconductors

LED OSCONIQ P 3030
FWHM / FWTM 7.1° / 16.0°
Efficiency 96 %
Peak intensity 34.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors

LED OSLON PURE 1010
FWHM / FWTM 8.0° / 16.0°
Efficiency 93 %
Peak intensity 29.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM

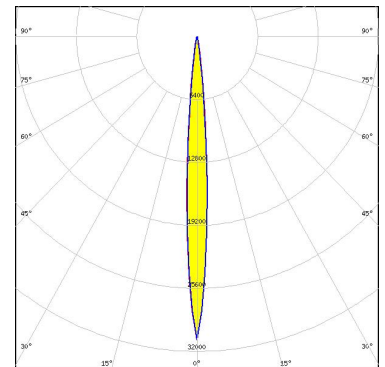
Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 12.0°
Efficiency %
Peak intensity 11.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OSRAM

Opto Semiconductors

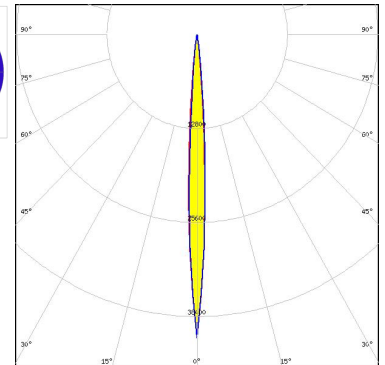
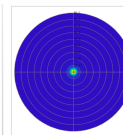
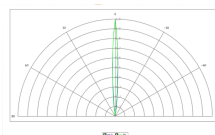
LED OSLON Square Flat
FWHM / FWTM 8.0° / 17.0°
Efficiency 96 %
Peak intensity 30.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

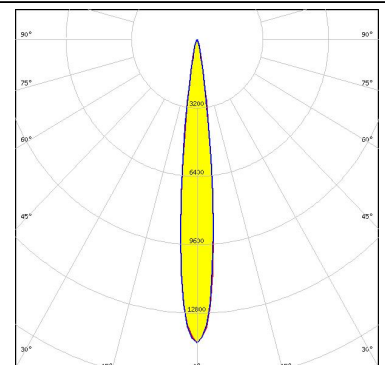
Opto Semiconductors

LED SFH 4170S
FWHM / FWTM 6.0° / 14.0°
Efficiency 88 %
LEDs/each optic 1
Light colour IR
Required components:



SAMSUNG

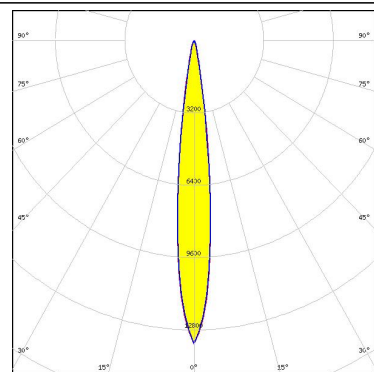
LED LH351B
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 14.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351C
FWHM / FWTM	12.0° / 24.0°
Efficiency	95 %
Peak intensity	13.4 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.

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.

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LEDiL Oy

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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

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