

HEIDI-RS

~8° spot beam



SPECIFICATION:

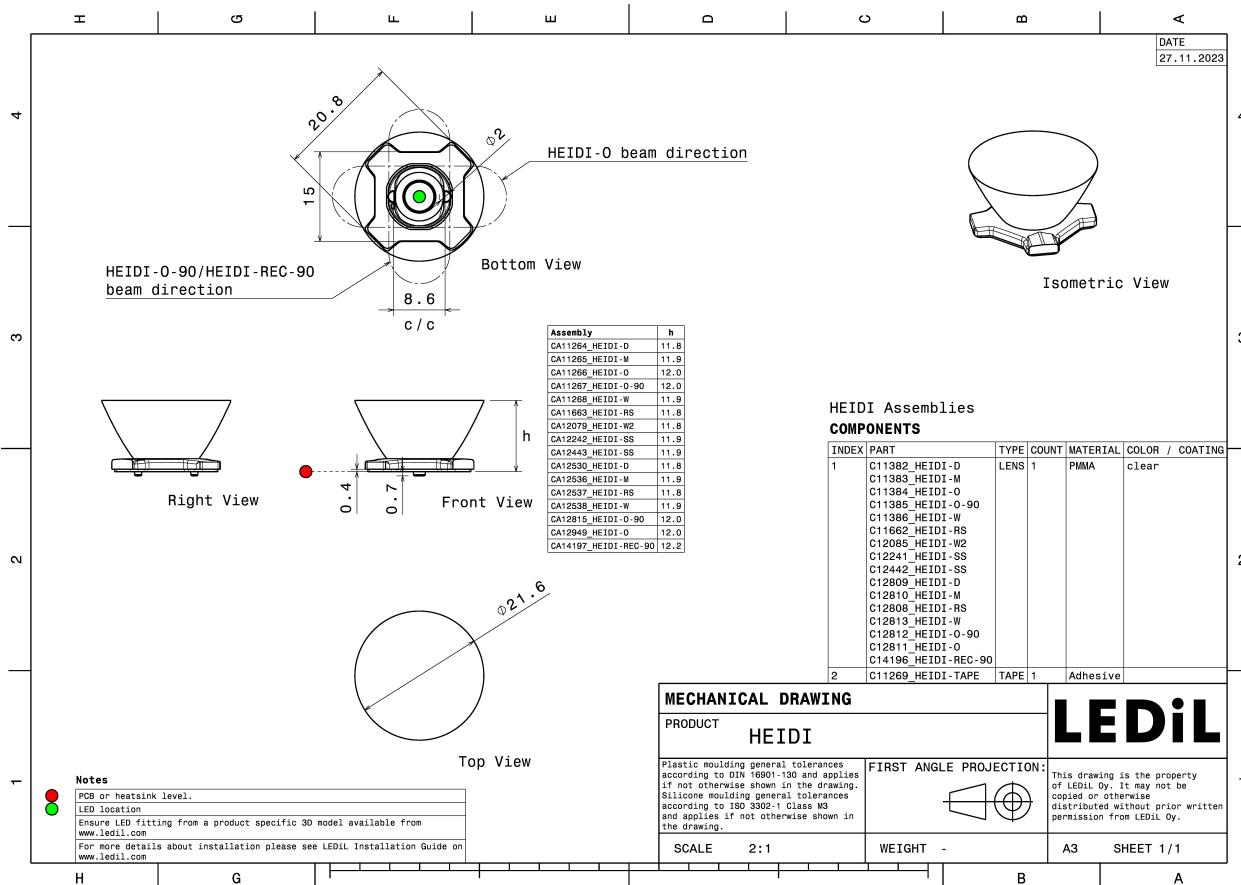
Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes 

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 » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204

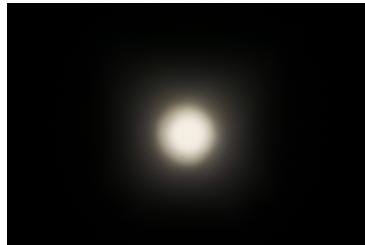


See also our general installation guide: www.ledil.com/installation_guide

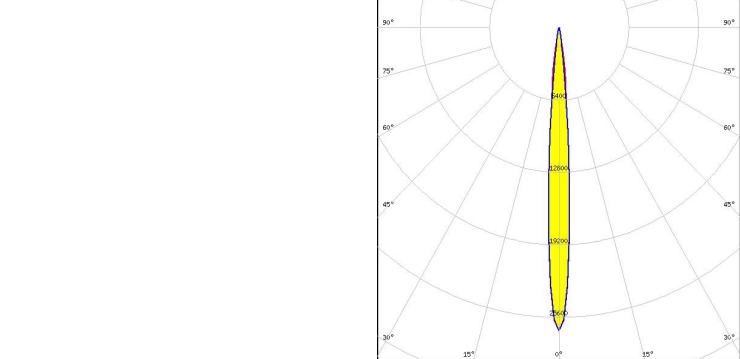
OPTICAL RESULTS (MEASURED):



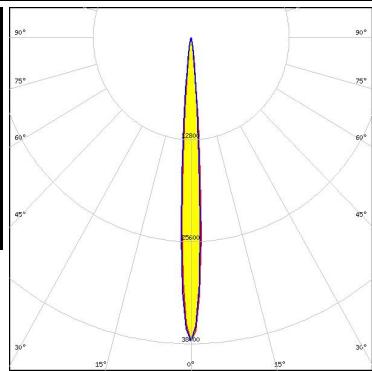
LED XB-D
 FWHM / FWTM 8.0°
 Efficiency 91 %
 Peak intensity 19.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:

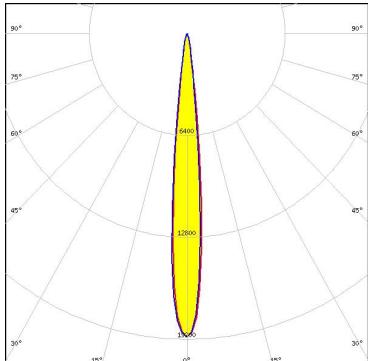


LED XP-E2
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 90 %
 Peak intensity 38 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

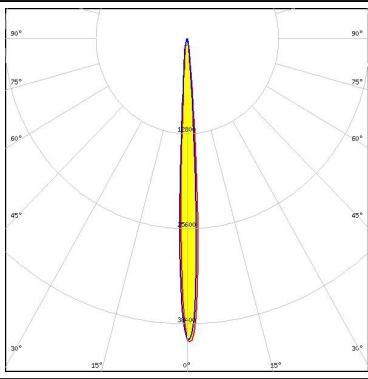
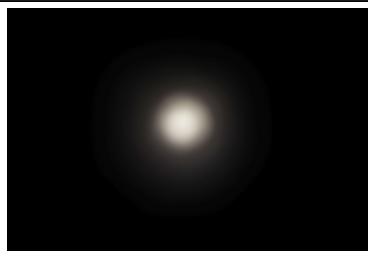
OPTICAL RESULTS (MEASURED):



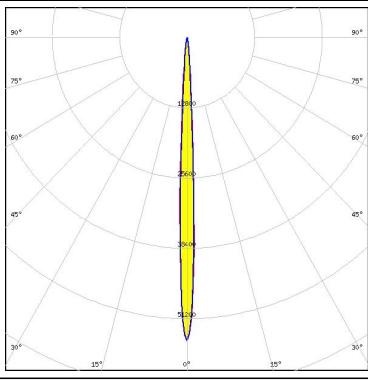
LED XP-G
FWHM / FWTM 9.0° / 20.0°
Efficiency 93 %
Peak intensity 16.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



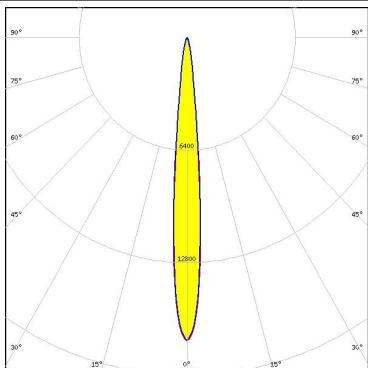
LED XQ-E HD
FWHM / FWTM 6.0° / 12.0°
Efficiency 94 %
Peak intensity 42.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



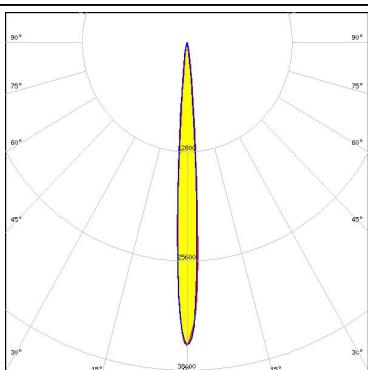
OPTICAL RESULTS (MEASURED):



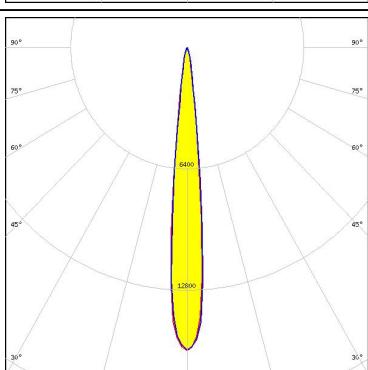
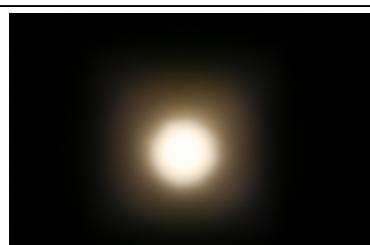
LED XT-E
FWHM / FWTM 10.0° / 21.0°
Efficiency 97 %
Peak intensity 17.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



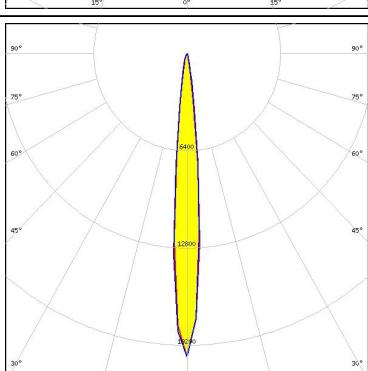
LED LUXEON C
FWHM / FWTM 7.0° / 14.0°
Efficiency 92 %
Peak intensity 35.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



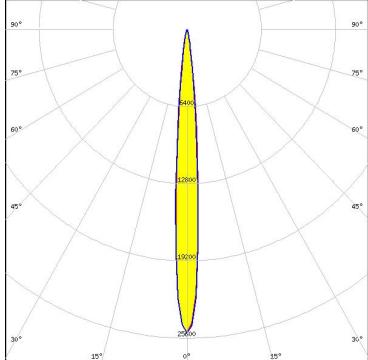
LED LUXEON TX
FWHM / FWTM 10.0° / 20.0°
Efficiency 90 %
Peak intensity 19.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



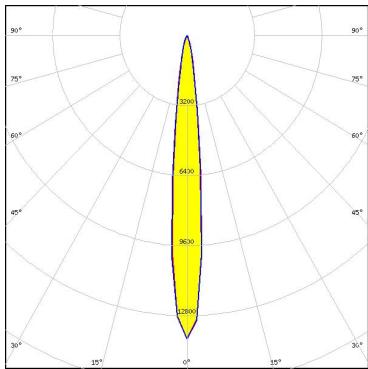
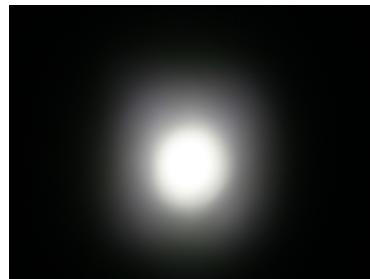
OPTICAL RESULTS (MEASURED):



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 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°

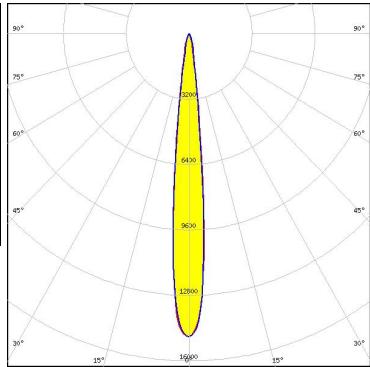
Efficiency 96 %

Peak intensity 14.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



Opto Semiconductors

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:



Opto Semiconductors

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°

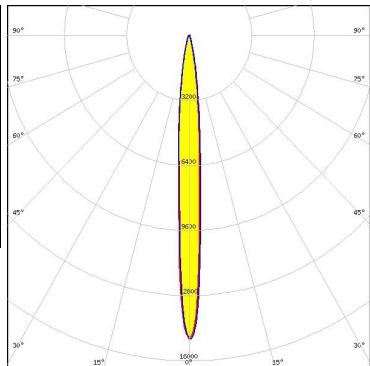
Efficiency 94 %

Peak intensity 14.9 cd/lm

LEDs/each optic 1

Light colour White

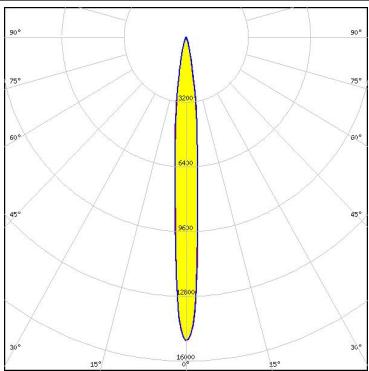
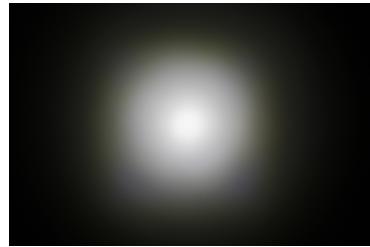
Required components:



OPTICAL RESULTS (MEASURED):

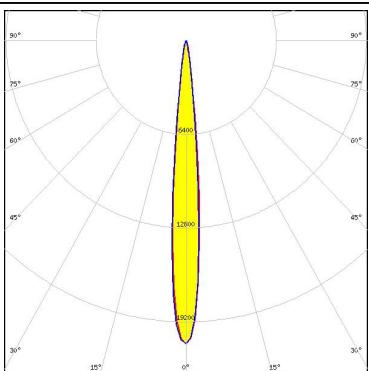
SAMSUNG

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



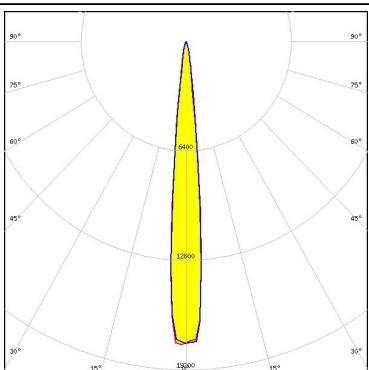
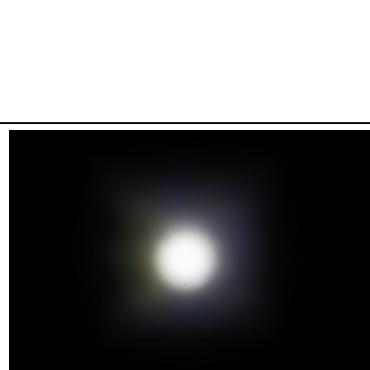
SAMSUNG

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:



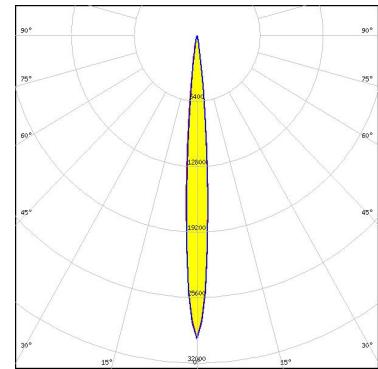
SEOUL SEMICONDUCTOR

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:

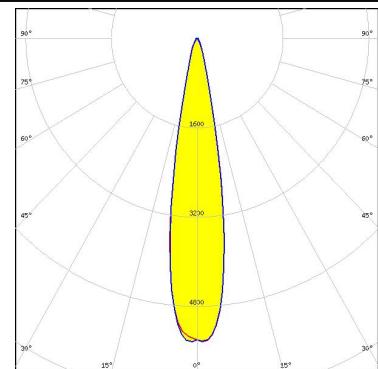
OPTICAL RESULTS (SIMULATED):



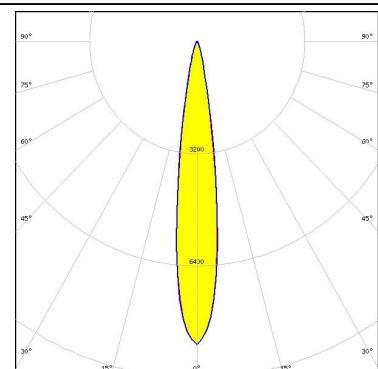
LED XE-G
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 29.7 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



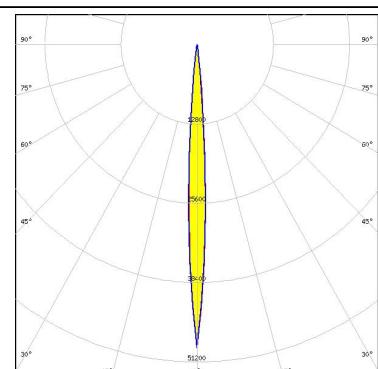
LED XHP35.2 HD
FWHM / FWTM 20.0° / 34.0°
Efficiency 91 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



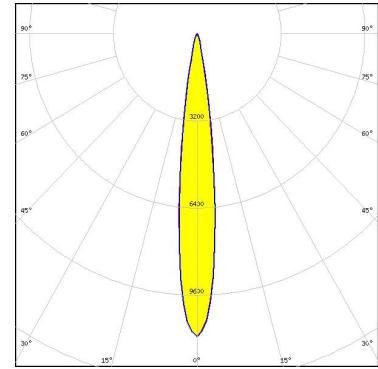
LED LUXEON CZ
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 48.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

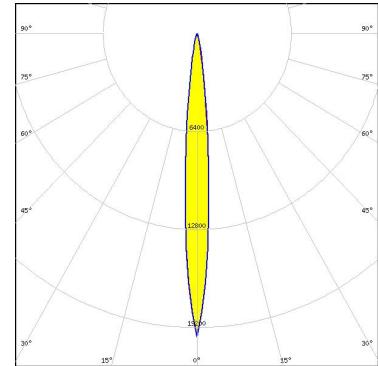
LUMILEDS

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:



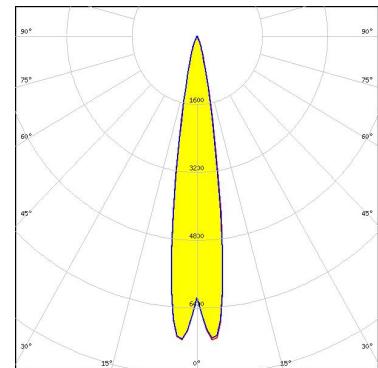
LUMILEDS

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:



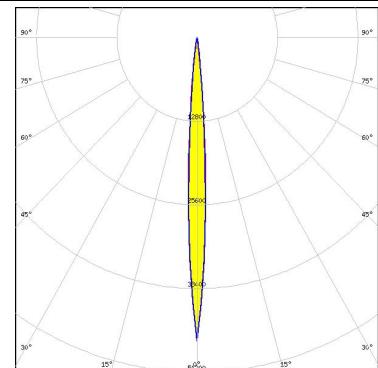
LUMILEDS

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:

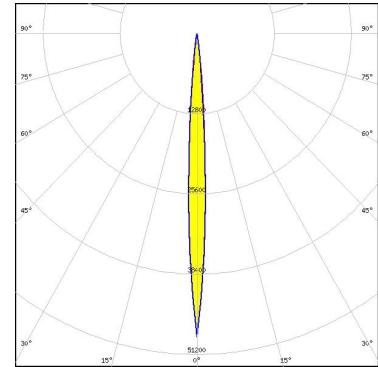


OPTICAL RESULTS (SIMULATED):

LUMILEDS

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

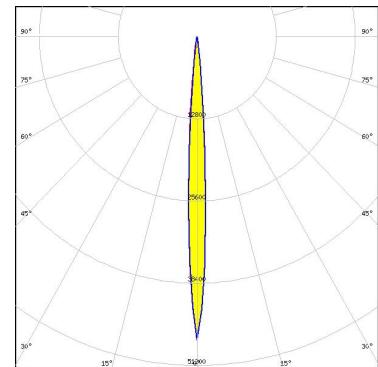
Required components:



LUMILEDS

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

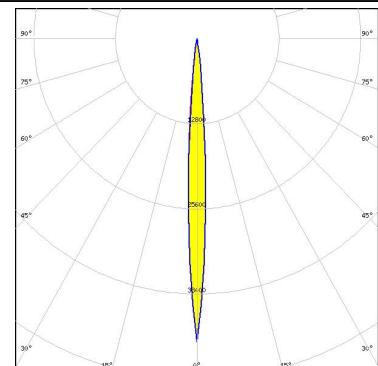
Required components:



LUMILEDS

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

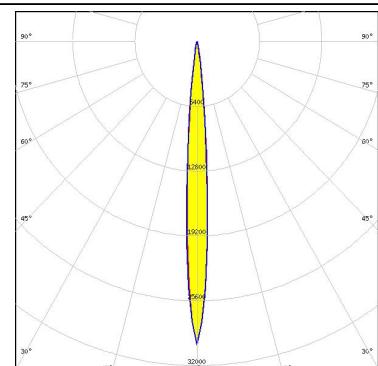
Required components:



LUMILEDS

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

Required components:

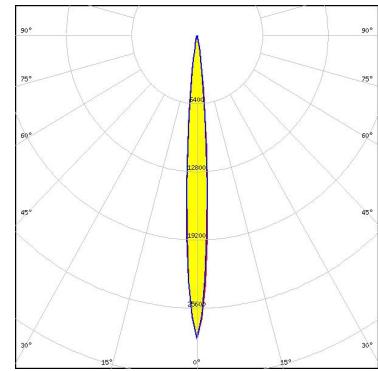


OPTICAL RESULTS (SIMULATED):

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

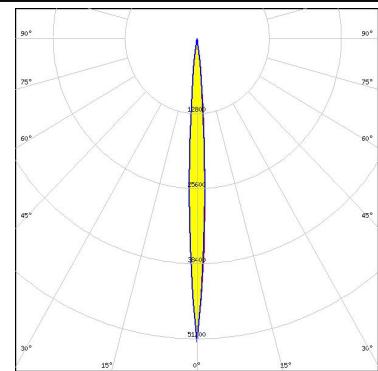
Required components:



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

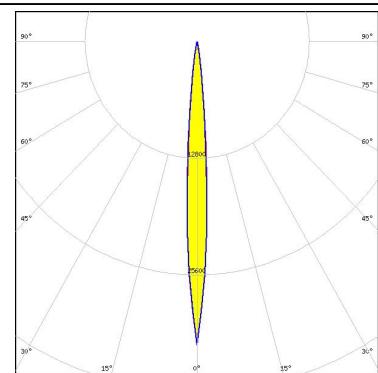
Required components:



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

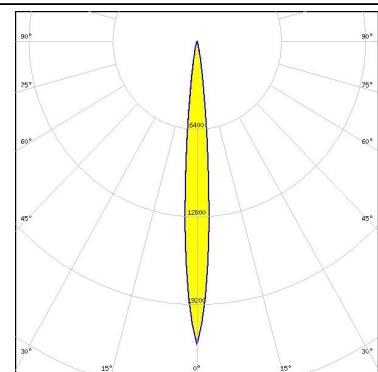
Required components:



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:

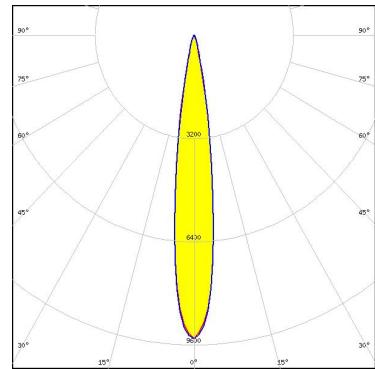


OPTICAL RESULTS (SIMULATED):



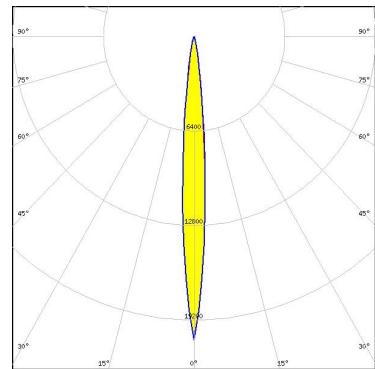
LED	NVSW519A
FWHM / FWTM	14.0° / 28.0°
Efficiency	92 %
Peak intensity	9.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



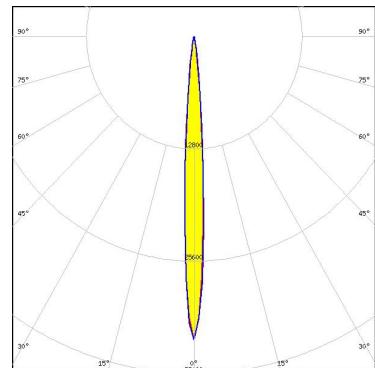
LED	NVSxE21A
FWHM / FWTM	8.0° / 20.0°
Efficiency	93 %
Peak intensity	20.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



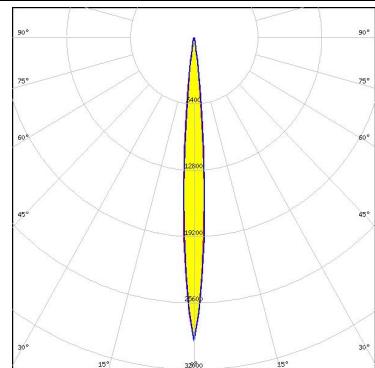
LED	OSCONIQ P 3030
FWHM / FWTM	7.1° / 16.0°
Efficiency	96 %
Peak intensity	34.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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°

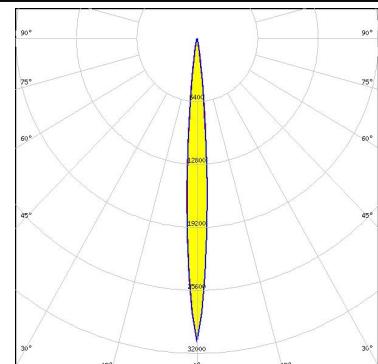
Efficiency 96 %

Peak intensity 30.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED SFH 4170S

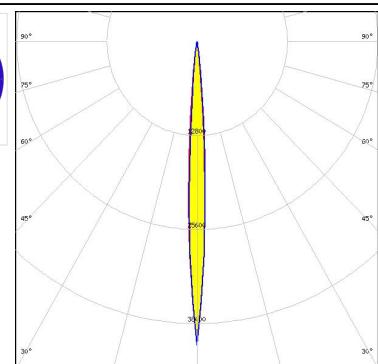
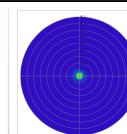
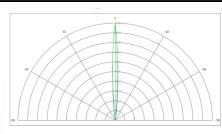
FWHM / FWTM 6.0° / 14.0°

Efficiency 88 %

LEDs/each optic 1

Light colour IR

Required components:



SAMSUNG

LED LH351B

FWHM / FWTM 12.0° / 22.0°

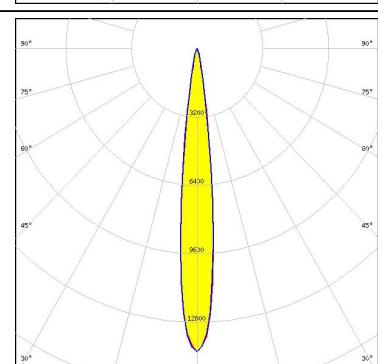
Efficiency 94 %

Peak intensity 14.2 cd/lm

LEDs/each optic 1

Light colour White

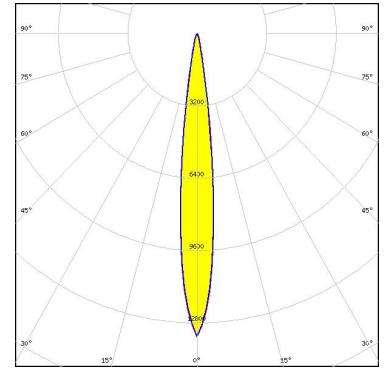
Required components:



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.

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Hong Kong, China

Distribution Partners
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