

HEIDI-SS

~15° smooth spot beam

SPECIFICATION:

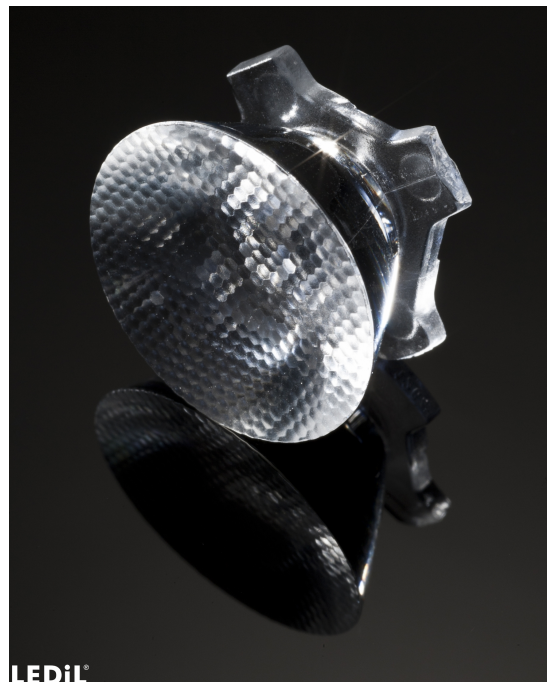
Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

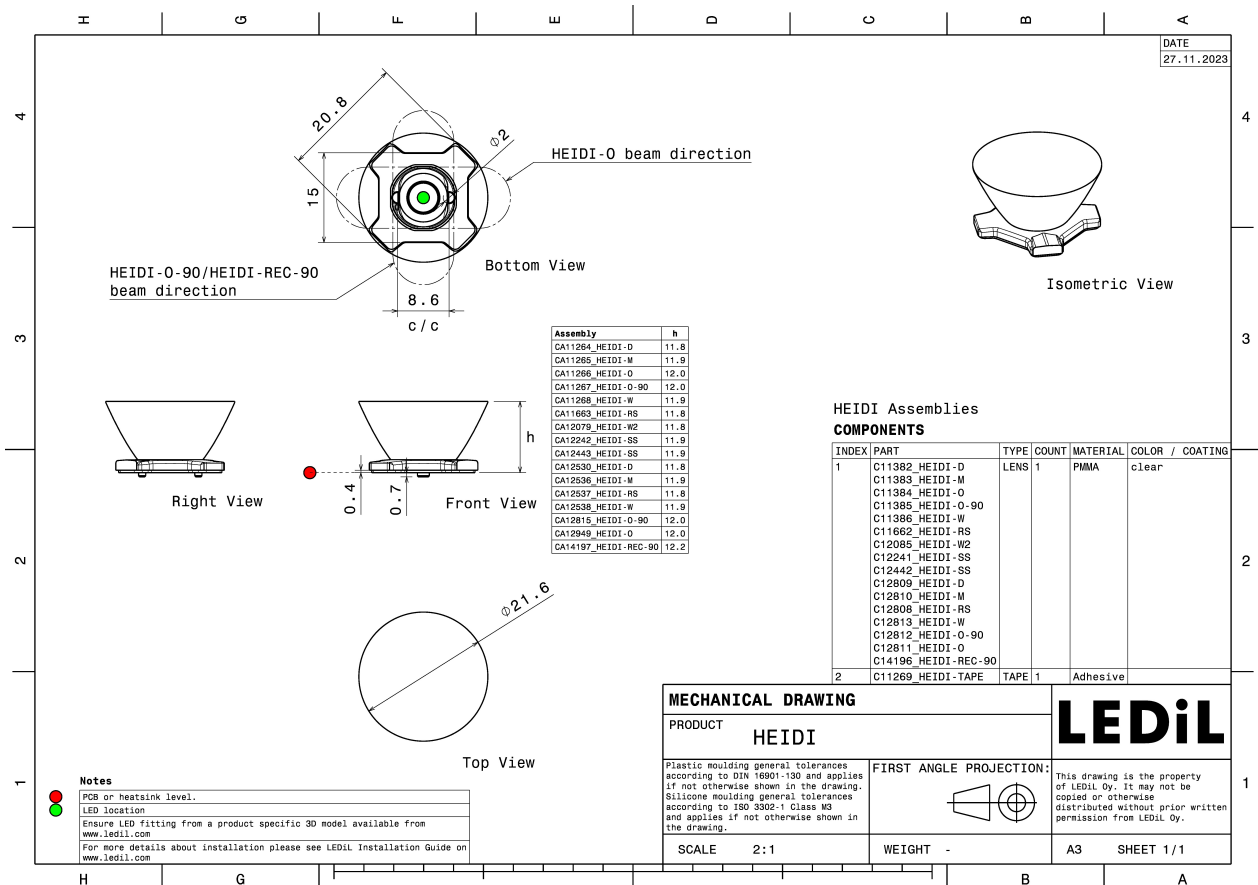
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12242_HEIDI-SS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					



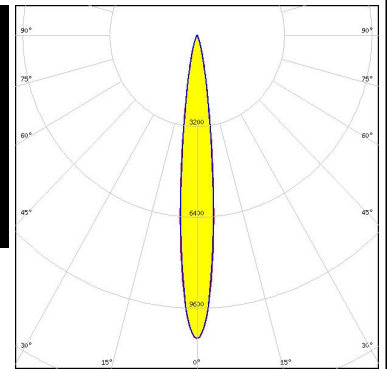


See also our general installation guide: www.ledil.com/installation_guide

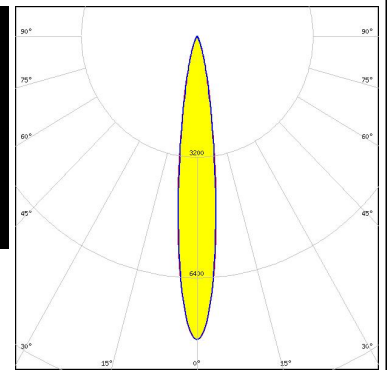
OPTICAL RESULTS (MEASURED):



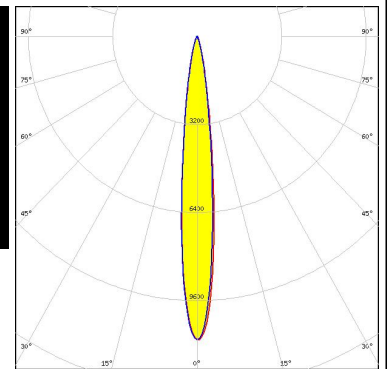
LED XP-E
FWHM / FWTM 13.0° / 28.0°
Efficiency 95 %
Peak intensity 10.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



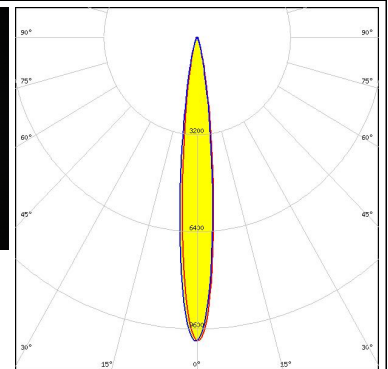
LED XP-G
FWHM / FWTM 15.0° / 33.0°
Efficiency 95 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XQ-E HD
FWHM / FWTM 12.0° / 27.0°
Efficiency 94 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



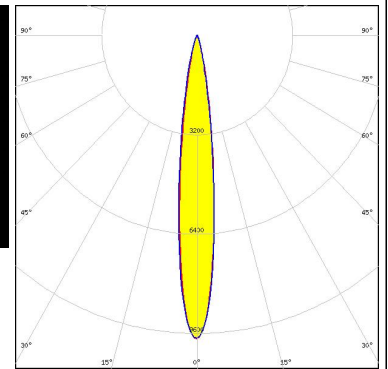
LED XQ-E HI
FWHM / FWTM 12.0° / 28.0°
Efficiency 92 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour White
Required components:



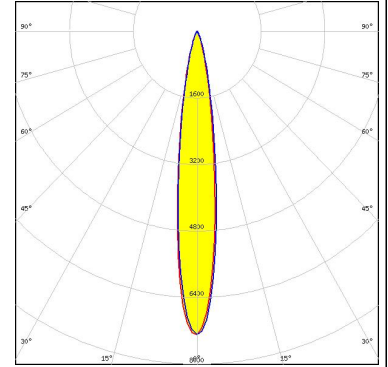
OPTICAL RESULTS (MEASURED):



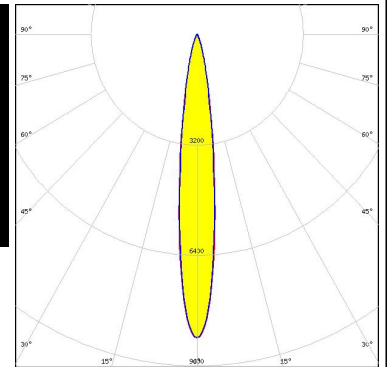
LED LUXEON C
FWHM / FWTM 13.0° / 28.0°
Efficiency 87 %
Peak intensity 9.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



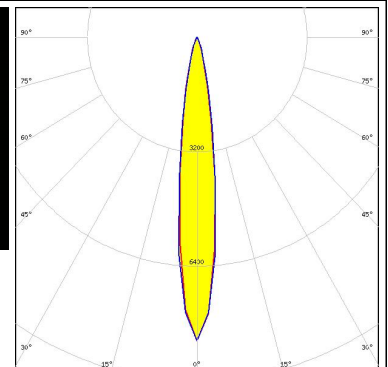
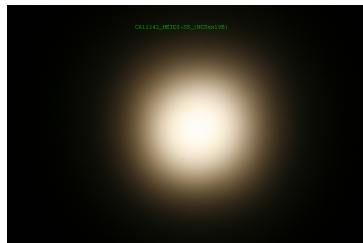
LED LUXEON T
FWHM / FWTM 15.0° / 33.0°
Efficiency 87 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NCSxx19A
FWHM / FWTM 14.0° / 31.0°
Efficiency 95 %
Peak intensity 8.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



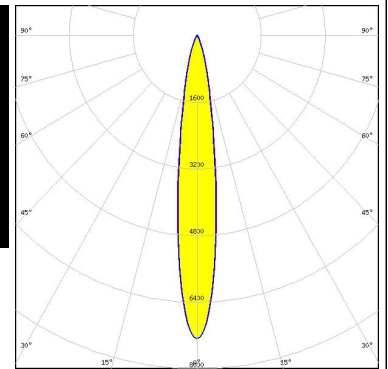
LED NCSxx19B
FWHM / FWTM 15.0° / 32.0°
Efficiency 86 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



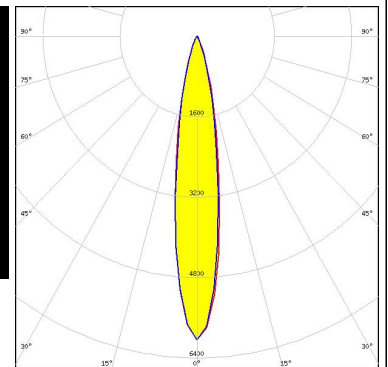
OPTICAL RESULTS (MEASURED):



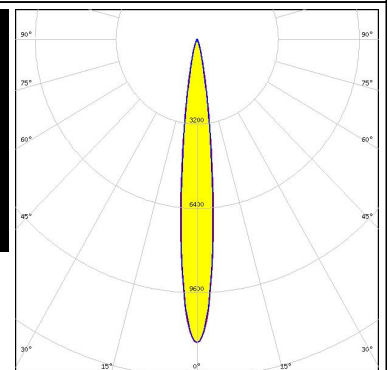
LED NVSxx19A
FWHM / FWTM 15.0° / 34.0°
Efficiency 95 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



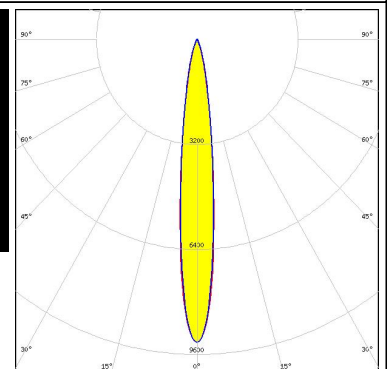
LED NVSxx19B/NVSxx19C
FWHM / FWTM 18.0° / 38.0°
Efficiency 87 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSLON SSL 150
FWHM / FWTM 13.0° / 26.0°
Efficiency 96 %
Peak intensity 11.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



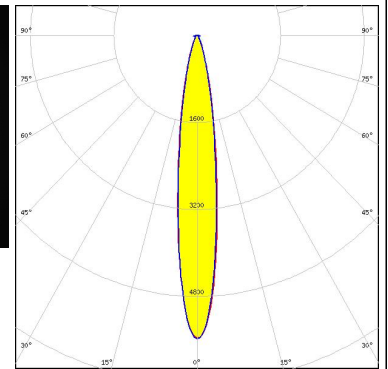
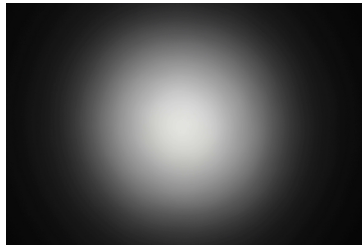
LED OSLON SSL 80
FWHM / FWTM 13.0° / 30.0°
Efficiency 95 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

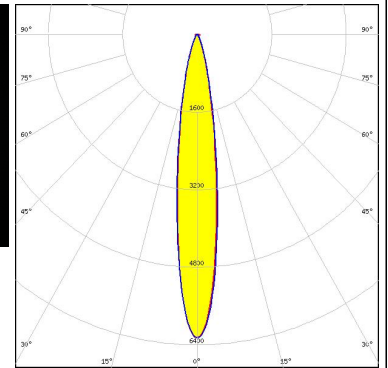
SAMSUNG

LED LH181A
FWHM / FWTM 15.0° / 36.0°
Efficiency 88 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



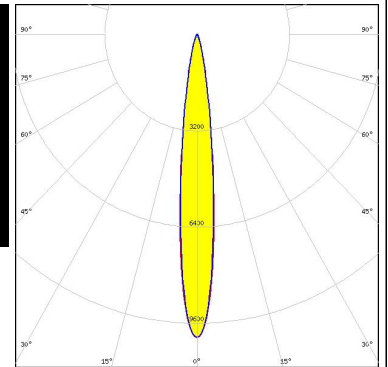
SAMSUNG

LED LH181B
FWHM / FWTM 15.0° / 36.0°
Efficiency 93 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



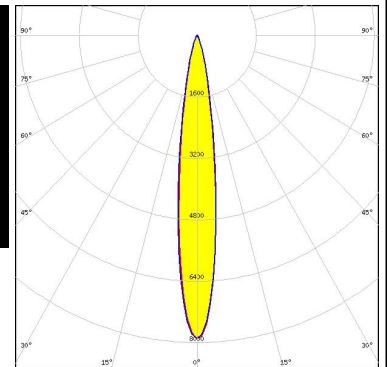
SEOUL SEMICONDUCTOR

LED Z5
FWHM / FWTM 13.0° / 28.0°
Efficiency 95 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

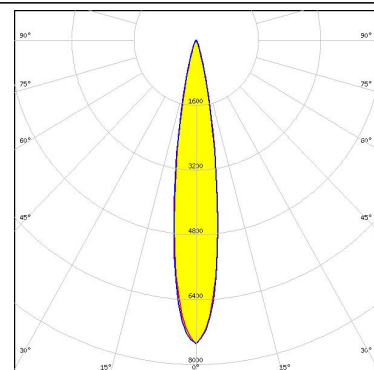
LED Z5M1/Z5M2
FWHM / FWTM 14.0° / 32.0°
Efficiency 91 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



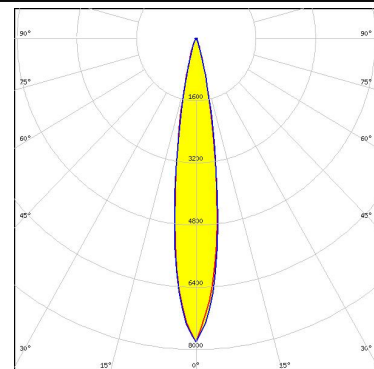
OPTICAL RESULTS (SIMULATED):



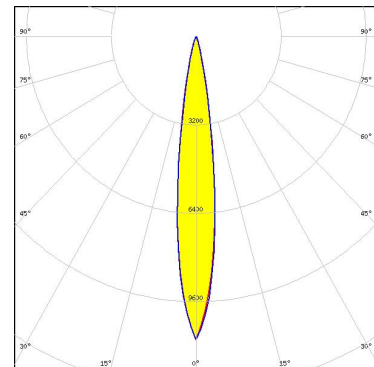
LED XP-G2 HE
FWHM / FWTM 16.0° / 32.0°
Efficiency 94 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



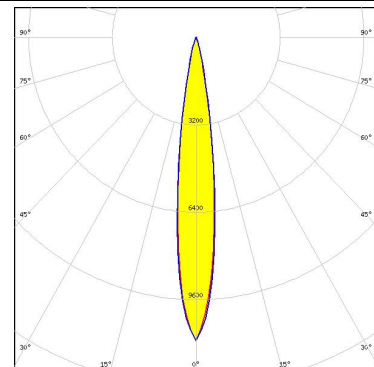
LED XP-G3
FWHM / FWTM 17.0° / 32.0°
Efficiency 94 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 3030 HE Plus
FWHM / FWTM 14.0° / 28.0°
Efficiency 95 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:



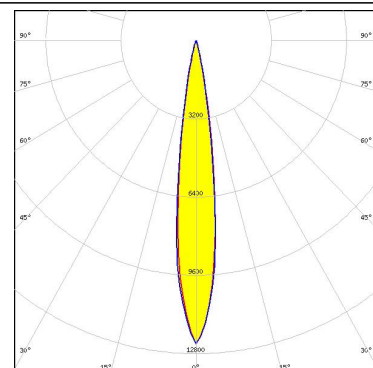
LED LUXEON HL2Z
FWHM / FWTM 14.0° / 28.0°
Efficiency 96 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

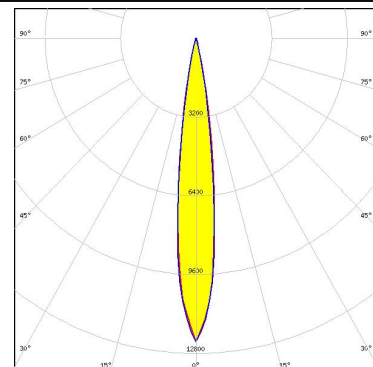
LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM 14.0° / 26.0°
Efficiency 96 %
Peak intensity 12.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



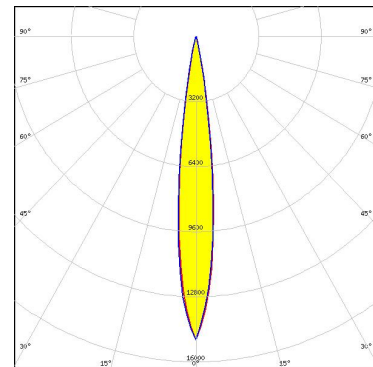
LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 14.0° / 26.0°
Efficiency 92 %
Peak intensity 12.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



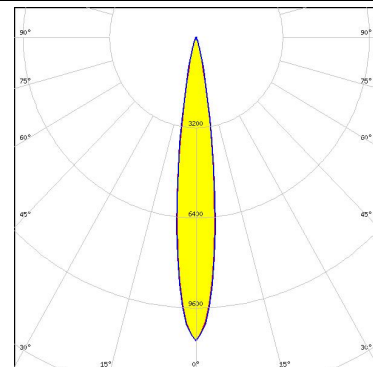
LUMILEDS

LED LUXEON Z ES
FWHM / FWTM 13.0° / 24.0°
Efficiency 94 %
Peak intensity 14.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

LED NVSxE21A
FWHM / FWTM 14.0° / 28.0°
Efficiency 95 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

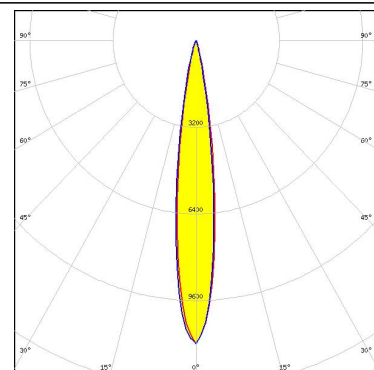


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

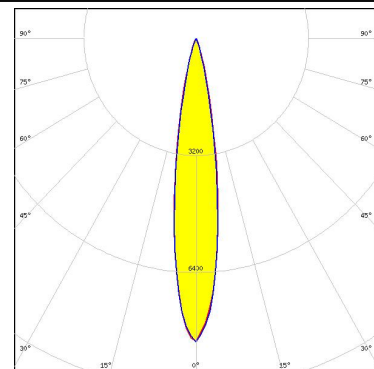
LED OSCONIQ S 3030 (QSLR31)
FWHM / FWTM 15.0° / 28.0°
Efficiency 95 %
Peak intensity 11.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

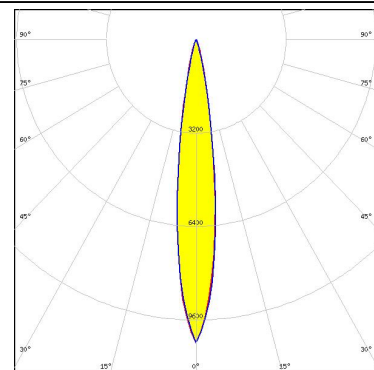
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 17.0° / 33.0°
Efficiency 94 %
Peak intensity 8.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

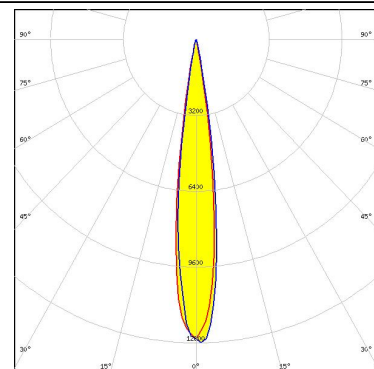
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 15.0° / 29.0°
Efficiency 95 %
Peak intensity 10.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

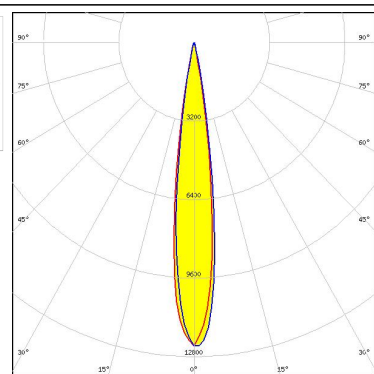
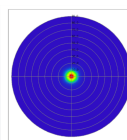
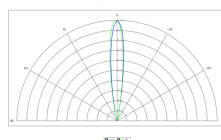
LED SFH 4170S
FWHM / FWTM 15.0° / 23.0°
Efficiency 88 %
LEDs/each optic 1
Light colour IR
Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4170S
FWHM / FWTM 14.0° / 24.0°
Efficiency 88 %
LEDs/each optic 1
Light colour IR
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)