

HEIDI-RS

~8° spot beam

SPECIFICATION:

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

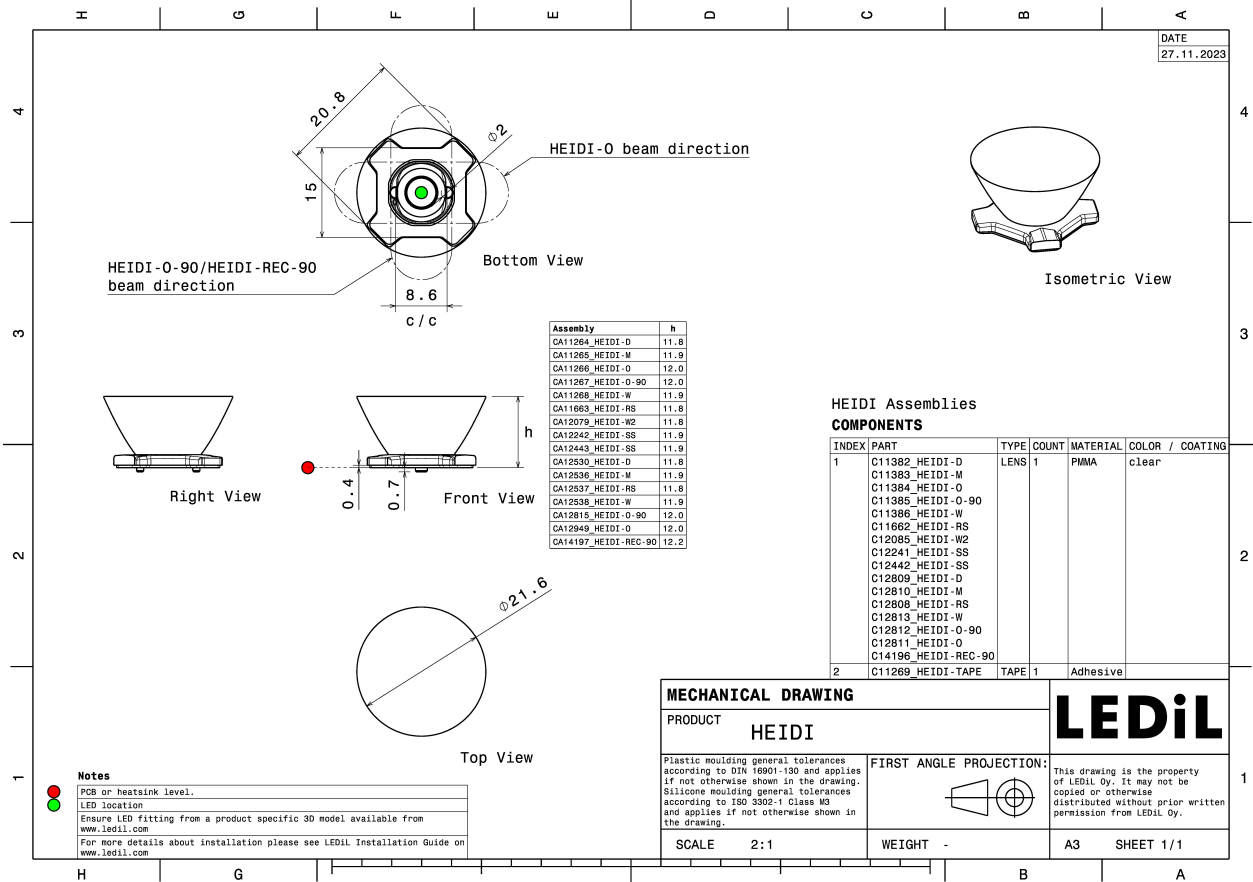


MATERIALS:

Component	Type	Material	Colour	Finish	Length
HEIDI-RS	Single lens	PMMA	clear		21.6
HEIDI-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12537_HEIDI-RS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

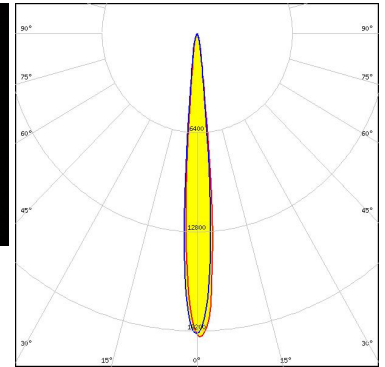


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



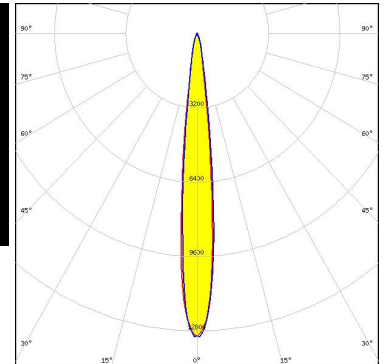
LED XP-G2
FWHM / FWTM 10.0° / 18.0°
Efficiency 94 %
Peak intensity 20 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



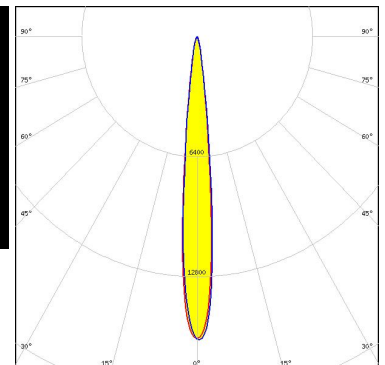
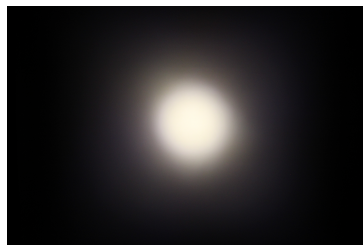
LED XP-G3
FWHM / FWTM 12.0° / 23.0°
Efficiency 94 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G4
FWHM / FWTM 11.0° / 21.0°
Efficiency 96 %
Peak intensity 16.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

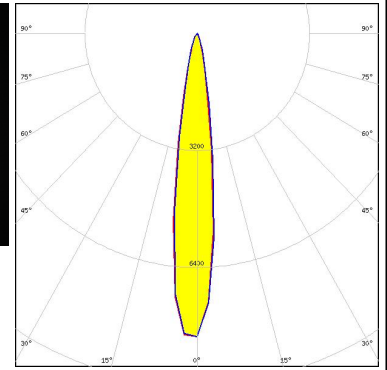


Light distribution files

OPTICAL RESULTS (MEASURED):



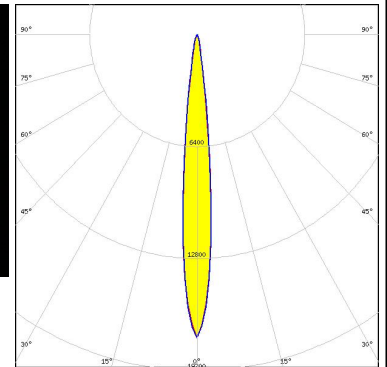
LED XP-L HD
 FWHM / FWTM 15.0° / 29.0°
 Efficiency 89 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON A
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 87 %
 Peak intensity 15.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rebel
 FWHM / FWTM 8.0° / 17.0°
 Efficiency 88 %
 Peak intensity 26 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

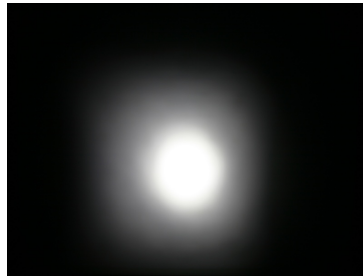


Light distribution files

OPTICAL RESULTS (MEASURED):



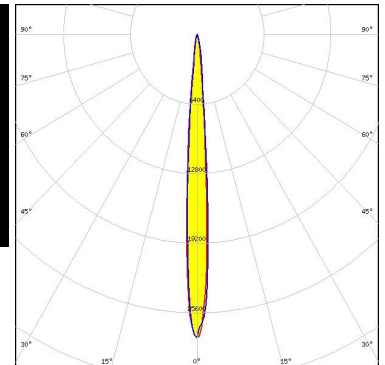
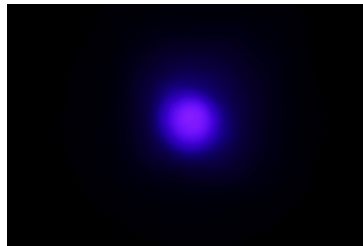
LED LUXEON Rebel ES
FWHM / FWTM 11.0° / 20.0°
Efficiency 86 %
Peak intensity 15.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



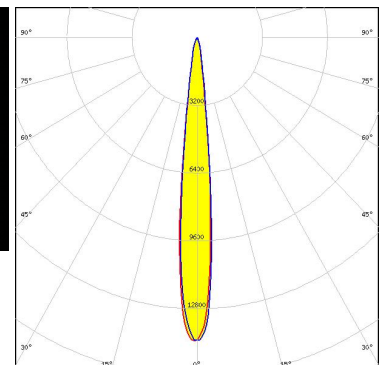
LED SST-10-B130
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 27.9 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files



LED NVSW219D
FWHM / FWTM 11.0° / 21.0°
Efficiency 94 %
Peak intensity 14.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

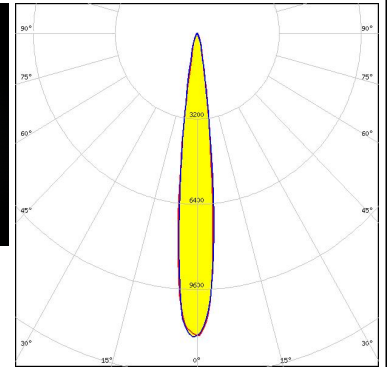


Light distribution files

OPTICAL RESULTS (MEASURED):



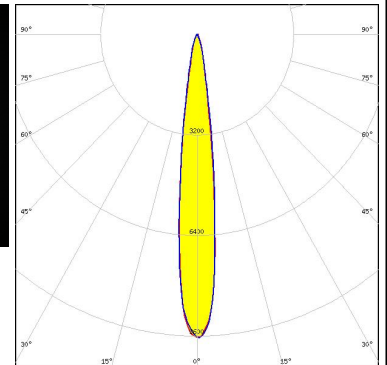
LED NVSW319B
FWHM / FWTM 13.0° / 25.0°
Efficiency 94 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



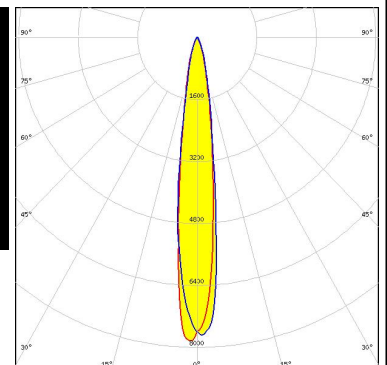
LED NVSW3x9A
FWHM / FWTM 13.0° / 27.0°
Efficiency 92 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW519A
FWHM / FWTM 14.0° / 33.0°
Efficiency 93 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

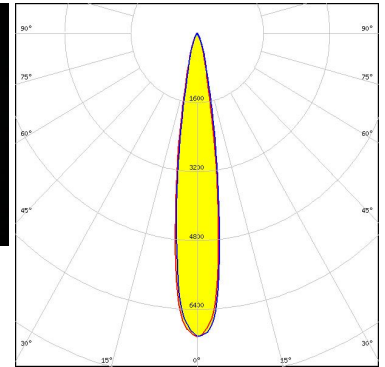


Light distribution files

OPTICAL RESULTS (MEASURED):



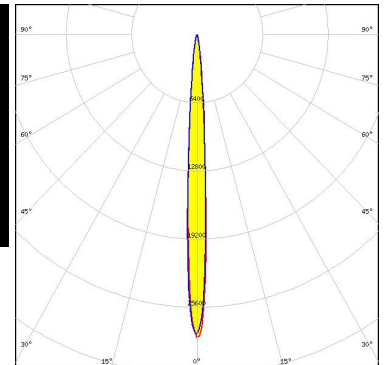
LED NWSx229A
FWHM / FWTM 16.0° / 32.0°
Efficiency 87 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLOM SSL 150
FWHM / FWTM 7.0° / 16.0°
Efficiency 89 %
Peak intensity 28.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:





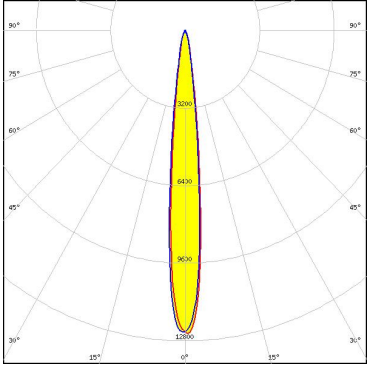
Light distribution files





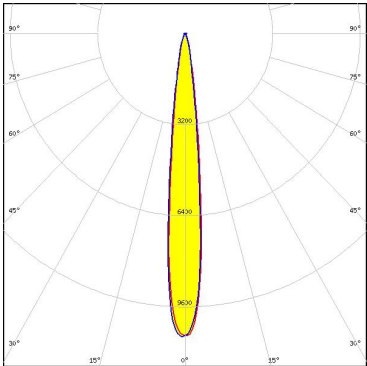
LED PLPVEC2 850A
FWHM / FWTM 6.0° / 16.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):

 <p>SEOL SEMICONDUCTOR</p>			
LED	Z5M3		
FWHM / FWTM	11.0° / 23.0°		
Efficiency	94 %		
Peak intensity	12.5 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:			

Light distribution files

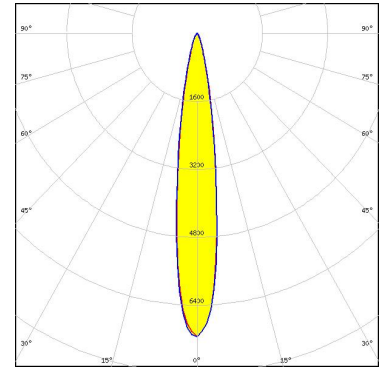
 <p>SEOL SEMICONDUCTOR</p>			
LED	Z8Y22P		
FWHM / FWTM	12.0° / 25.0°		
Efficiency	94 %		
Peak intensity	10.7 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:			

Light distribution files

OPTICAL RESULTS (SIMULATED):



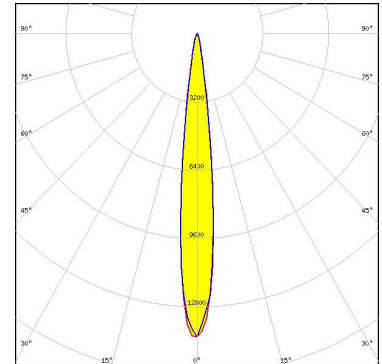
LED XHP35 HD
FWHM / FWTM 16.0° / 32.0°
Efficiency 94 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



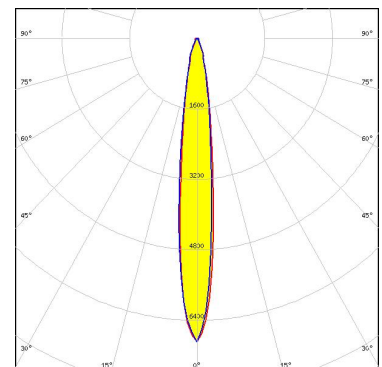
LED XHP35 HI
FWHM / FWTM 12.0° / 22.0°
Efficiency 96 %
Peak intensity 14.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



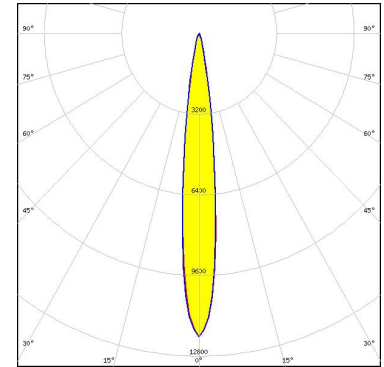
LED XHP35.2 HI
FWHM / FWTM 13.0° / 32.0°
Efficiency 88 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OPTICAL RESULTS (SIMULATED):



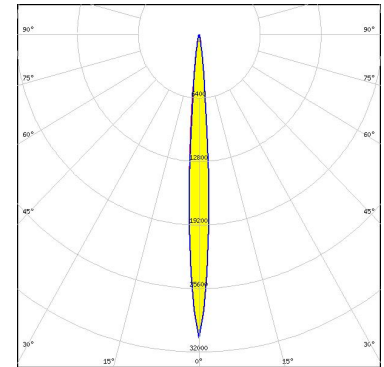
LED XP-G2 HE
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 95 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



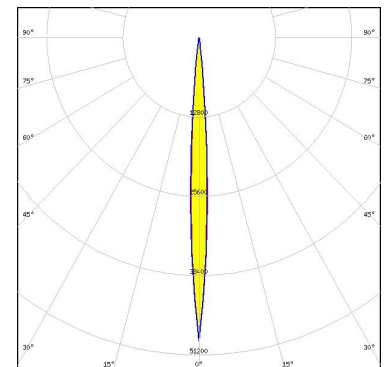
LED XP-G4 HI
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 95 %
 Peak intensity 30.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

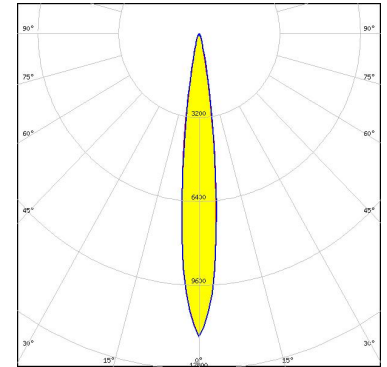


Light distribution files

OPTICAL RESULTS (SIMULATED):



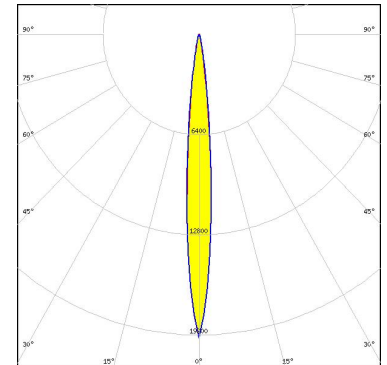
LED LUXEON HL2X
FWHM / FWTM 14.0° / 26.0°
Efficiency 95 %
Peak intensity 11.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON HL2Z
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 19.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON IR Domed 150 (L110-0xxx150000000)
FWHM / FWTM 11.0° / 22.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):

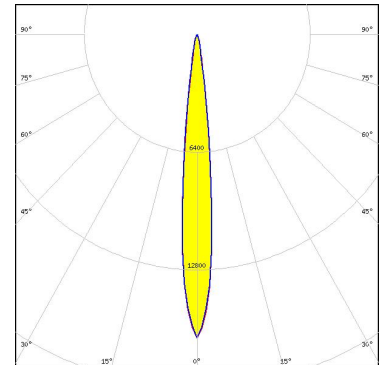


LED LUXEON IR Domed 90 (L110-0xxx090000000)
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

[Light distribution files](#)



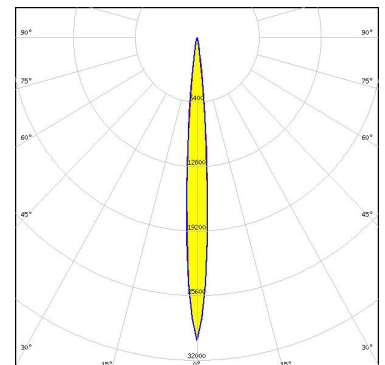
LED LUXEON R
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 92 %
 Peak intensity 16.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



[Light distribution files](#)



LED LUXEON SunPlus 20 Line (120 deg)
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 96 %
 Peak intensity 30.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

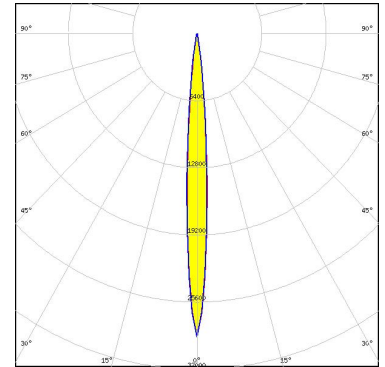


[Light distribution files](#)

OPTICAL RESULTS (SIMULATED):



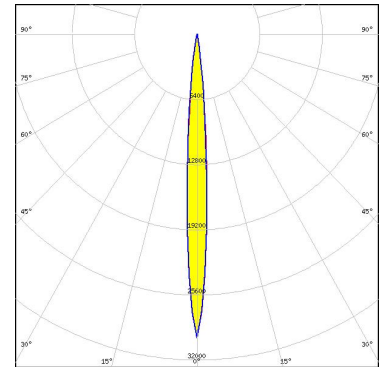
LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 8.0° / 16.0°
Efficiency 92 %
Peak intensity 28.9 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



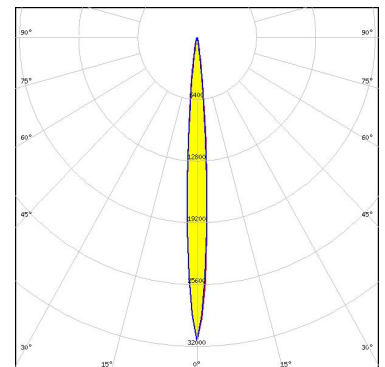
LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 7.8° / 17.0°
Efficiency 93 %
Peak intensity 29.8 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON SunPlus 35 Line
FWHM / FWTM 7.8° / 17.0°
Efficiency 94 %
Peak intensity 31.4 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

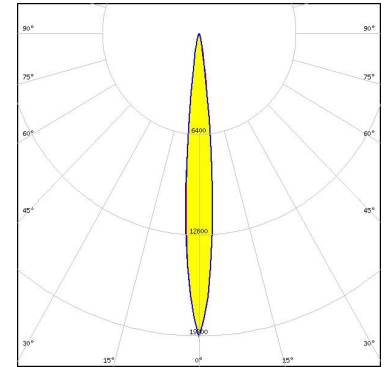


Light distribution files

OPTICAL RESULTS (SIMULATED):



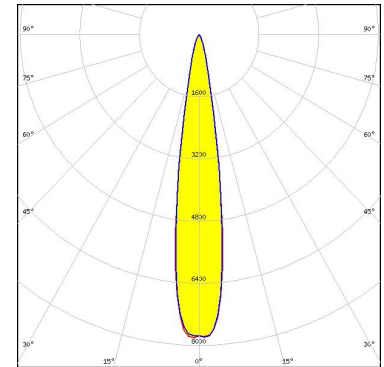
LED LUXEON TX
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 96 %
 Peak intensity 19.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



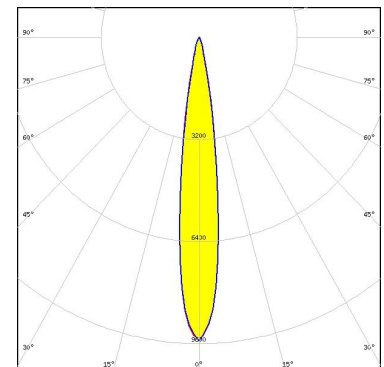
LED NV4WB35AM
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 96 %
 Peak intensity 8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW519A
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 92 %
 Peak intensity 9.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

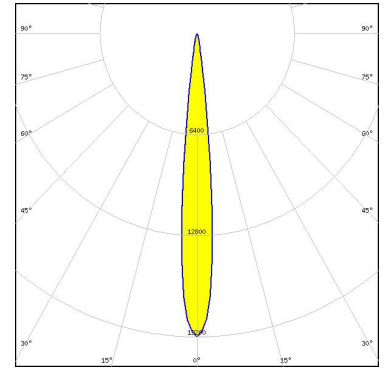


Light distribution files

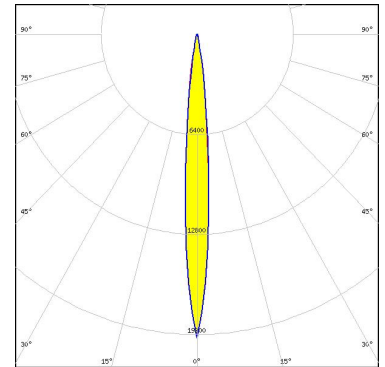
OPTICAL RESULTS (SIMULATED):



LED NVSW719AC
FWHM / FWTM 12.0° / 20.0°
Efficiency 97 %
Peak intensity 19.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



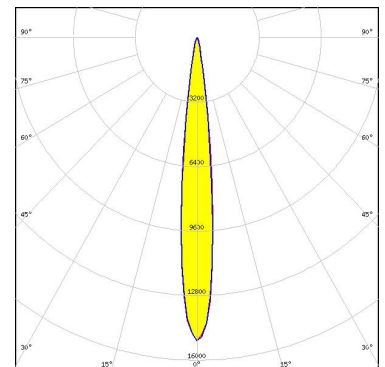
LED NVSxE21A
FWHM / FWTM 10.0° / 20.0°
Efficiency 94 %
Peak intensity 19.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 12.0° / 22.0°
Efficiency 95 %
Peak intensity 15 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

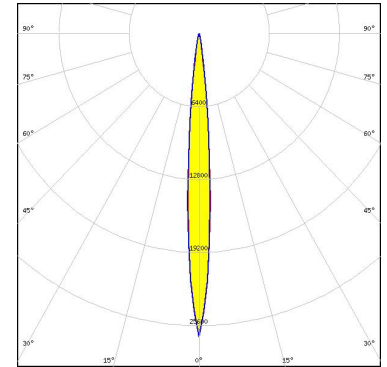


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

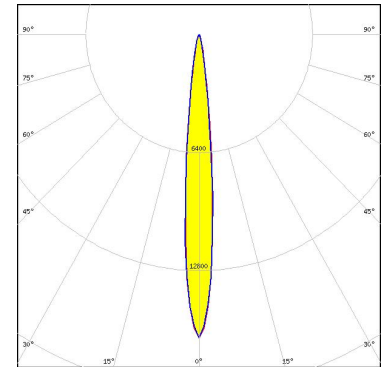
LED OSCONIQ C 2424
FWHM / FWTM 8.0° / 18.0°
Efficiency 96 %
Peak intensity 26.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

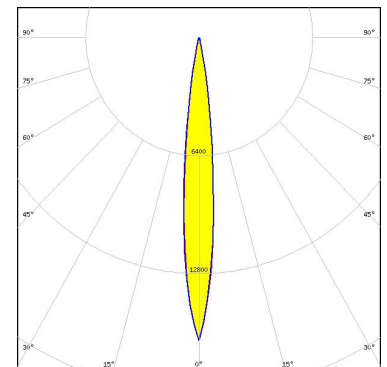
LED OSCONIQ P 3737 Flat
FWHM / FWTM 10.0° / 22.0°
Efficiency 96 %
Peak intensity 16.5 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSOLON Black
FWHM / FWTM 11.0° / 22.0°
Efficiency 93 %
Peak intensity 16.8 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

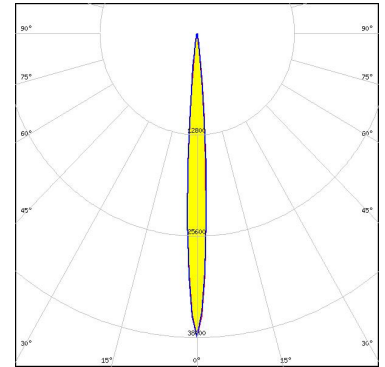


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

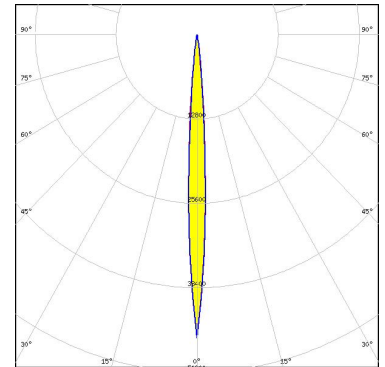
LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 7.3° / 15.0°
Efficiency 94 %
Peak intensity 38.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

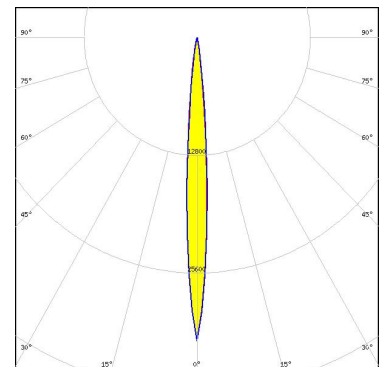
OSRAM
Opto Semiconductors

LED OSLON Pure 1414
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 46 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 33 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

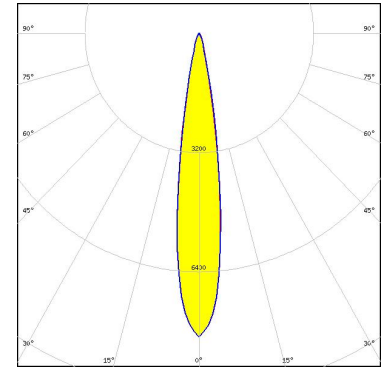


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

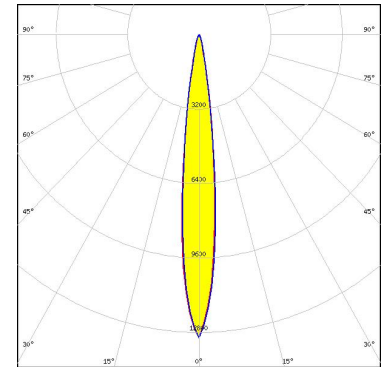
LED LH351D
FWHM / FWTM 16.0° / 29.0°
Efficiency 94 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M4
FWHM / FWTM 12.0° / 25.0°
Efficiency 96 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED MGN1108MS
FWHM / FWTM 8.0° / 14.0°
Efficiency 97 %
LEDs/each optic 1
Light colour/type IR
Required components:

OPTICAL RESULTS (SIMULATED):



LED	MJN1108MS
FWHM / FWTM	8.0° / 14.0°
Efficiency	97 %
LEDs/each optic	1
Light colour/type	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.

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LEDiL Oy

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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

Poznan, Poland
Hong Kong, China

Distribution Partners

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