

G2-LXP2-RS2-P

~8.5° spot beam with light, black holder.
Assembly with location pins and installation
tape.

SPECIFICATION:

Dimensions	Ø 21.8
Height	14.7 mm
Fastening	pin, tape
ROHS compliant	yes ⓘ

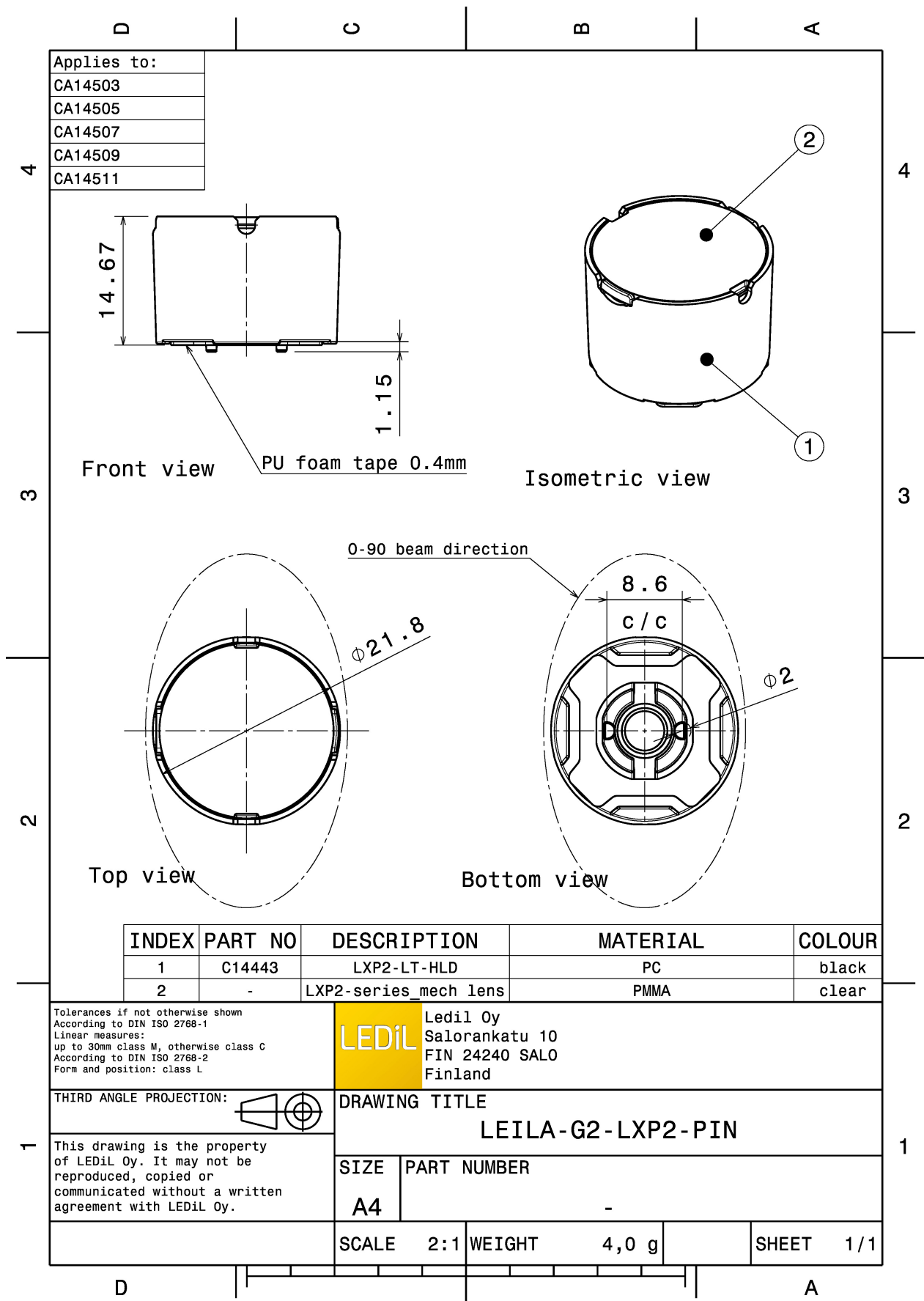


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LXP2-RS2	Single lens	PMMA			
LXP2-LT-HLD	Holder	PC	black		
HEIDI-TAPE	Tape	Acrylic foam tape	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA14505_G2-LXP2-RS2-P » Box size: 480 x 280 x 300 mm	1680	336	112	8.1

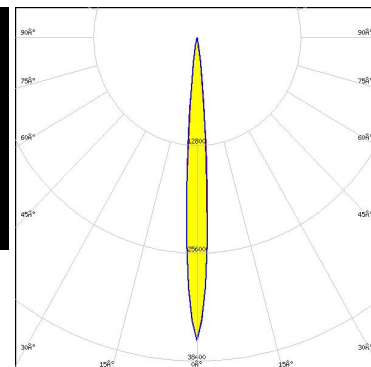


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



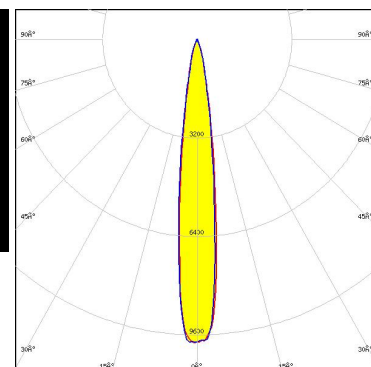
LED XP-E
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 88 %
 Peak intensity 34.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



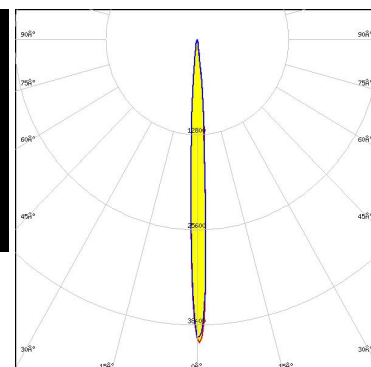
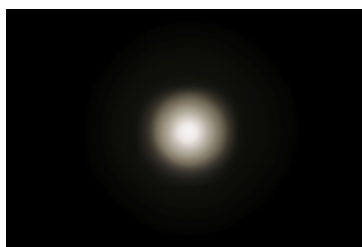
LED XP-L HD
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 90 %
 Peak intensity 9.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XQ-E HD
 FWHM / FWTM 5.0° / 13.0°
 Efficiency 89 %
 Peak intensity 42 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

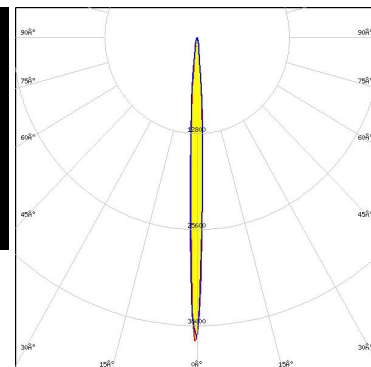


Light distribution files

OPTICAL RESULTS (MEASURED):



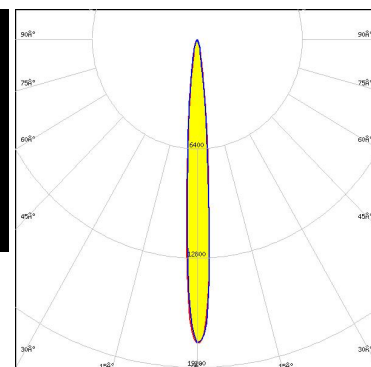
LED XQ-E HI
 FWHM / FWTM 5.0° / 13.0°
 Efficiency 88 %
 Peak intensity 40.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



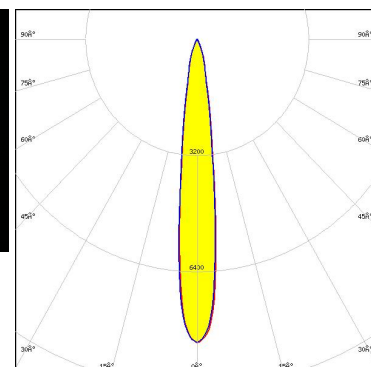
LED LUXEON Rebel ES
 FWHM / FWTM 9.0° / 20.0°
 Efficiency 90 %
 Peak intensity 17.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON V
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 89 %
 Peak intensity 8.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

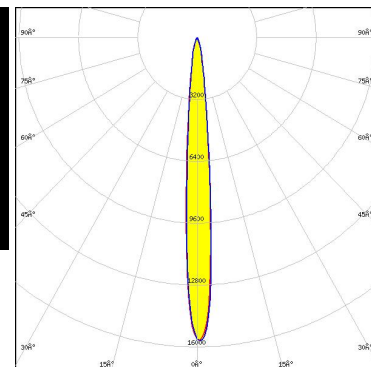


Light distribution files

OPTICAL RESULTS (MEASURED):



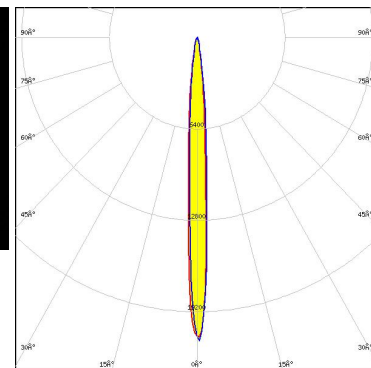
LED LUXEON V2
 FWHM / FWTM 9.0° / 22.0°
 Efficiency 90 %
 Peak intensity 15.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



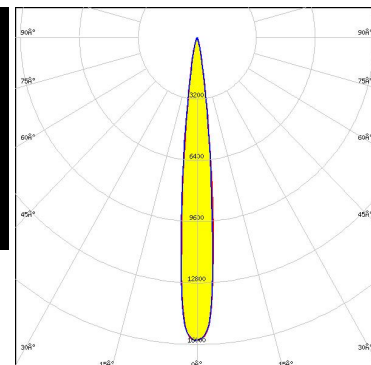
LED NCSxx19A
 FWHM / FWTM 6.8° / 18.0°
 Efficiency 89 %
 Peak intensity 21.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219D
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 93 %
 Peak intensity 16 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

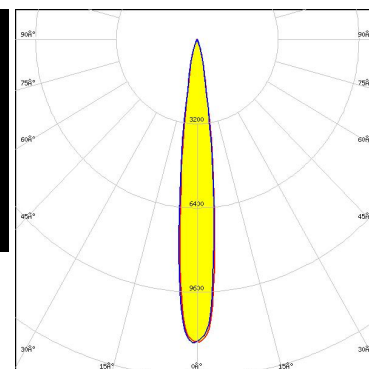


Light distribution files

OPTICAL RESULTS (MEASURED):



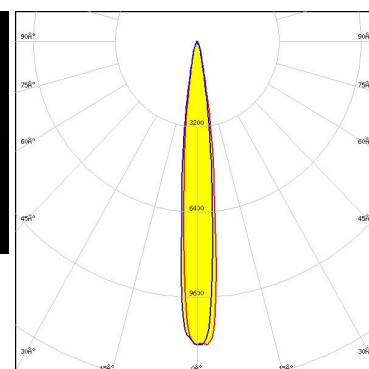
LED NVSW319B
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 93 %
 Peak intensity 11.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



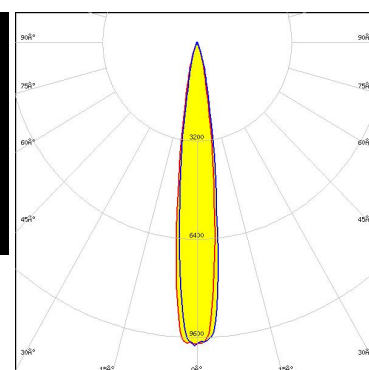
LED NVSW3x9A
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 89 %
 Peak intensity 11.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW519A
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 92 %
 Peak intensity 9.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

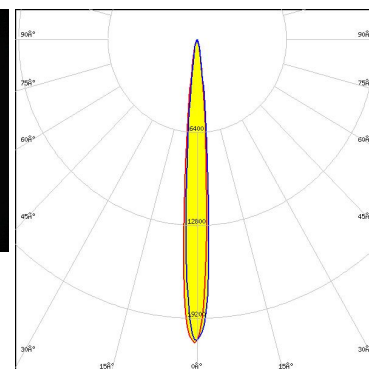


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

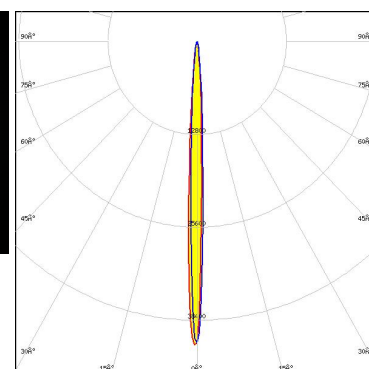
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 8.6° / 19.0°
Efficiency 92 %
Peak intensity 20.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

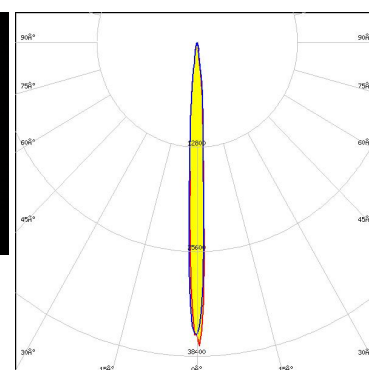
LED OSLON SSL 150
FWHM / FWTM 5.0° / 13.0°
Efficiency 90 %
Peak intensity 41.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 5.0° / 14.0°
Efficiency 91 %
Peak intensity 37.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

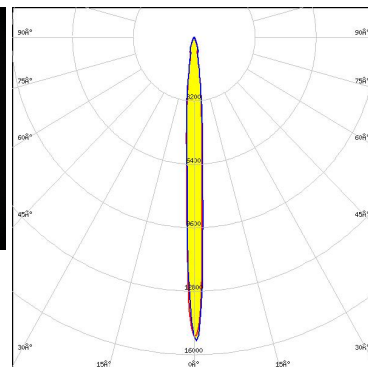


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

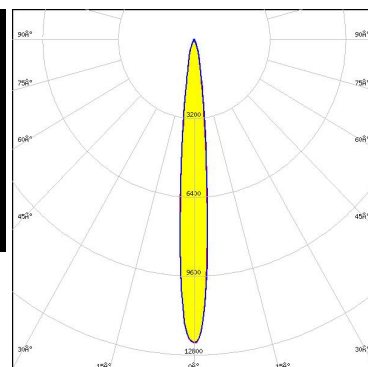
LED LH181A
 FWHM / FWTM 6.0° / 19.0°
 Efficiency 80 %
 Peak intensity 15.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



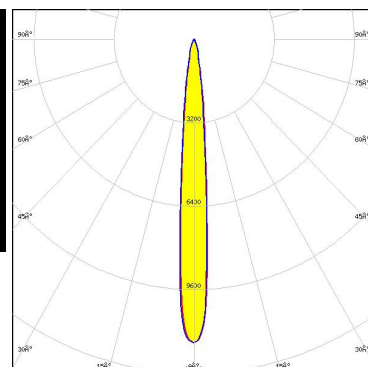
LED Z5M3
 FWHM / FWTM 10.0° / 25.0°
 Efficiency 88 %
 Peak intensity 12.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22P
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 84 %
 Peak intensity 11.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

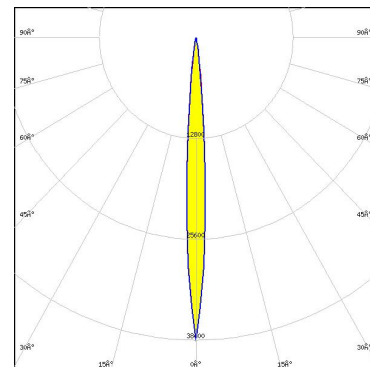


Light distribution files

OPTICAL RESULTS (SIMULATED):



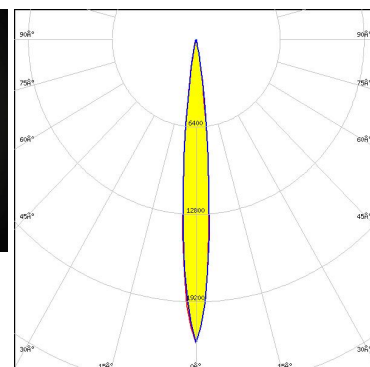
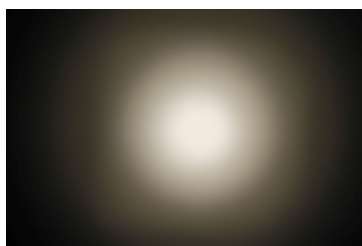
LED XP-E2
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 93 %
 Peak intensity 38.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



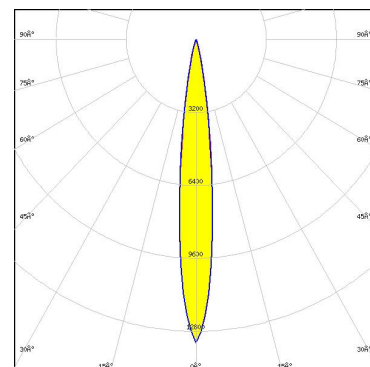
LED XP-G2
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 94 %
 Peak intensity 22.2 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2 HE
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 91 %
 Peak intensity 13.3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

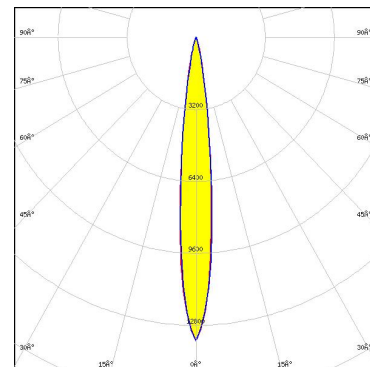


Light distribution files

OPTICAL RESULTS (SIMULATED):



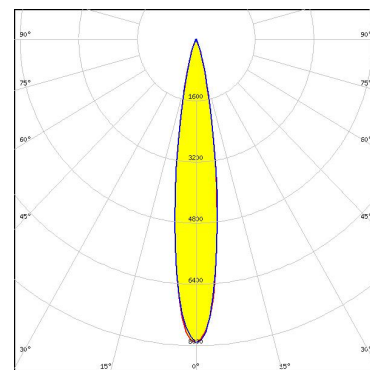
LED XP-G3
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 91 %
 Peak intensity 13.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



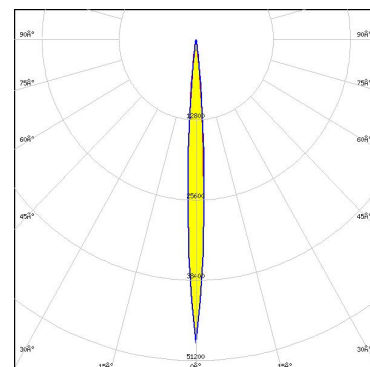
LED XP-L2
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 90 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-P
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 93 %
 Peak intensity 48.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

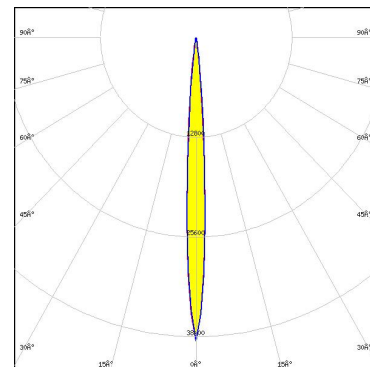


Light distribution files

OPTICAL RESULTS (SIMULATED):



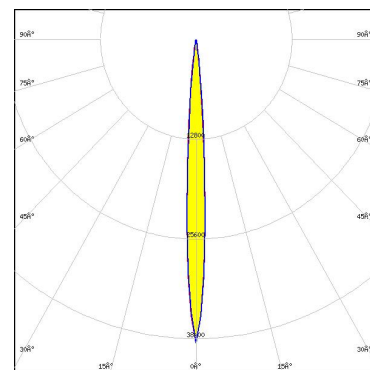
LED XQ-E HD
 FWHM / FWTM 6.7° / 14.0°
 Efficiency 91 %
 Peak intensity 41.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



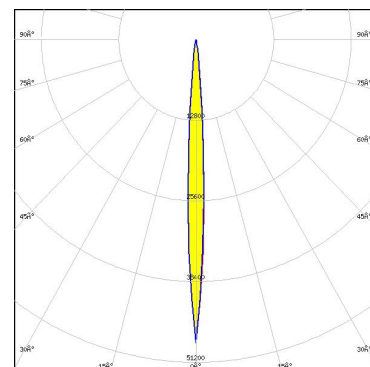
LED XQ-E HD
 FWHM / FWTM 7.1° / 15.0°
 Efficiency 92 %
 Peak intensity 38.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 92 %
 Peak intensity 48.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

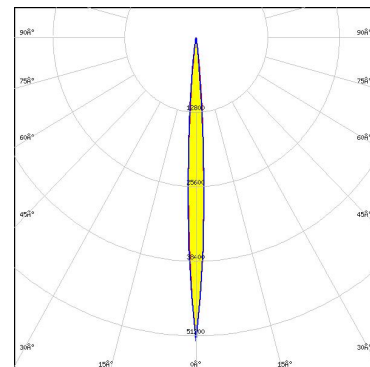


Light distribution files

OPTICAL RESULTS (SIMULATED):



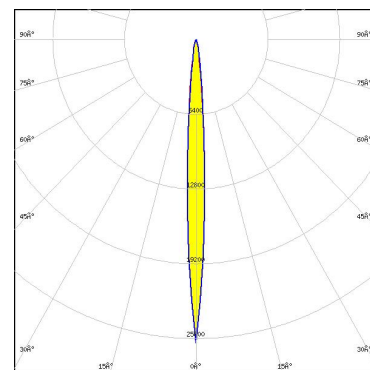
LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 92 %
 Peak intensity 52.1 cd/Im
 LEDs/each optic 1
 Light colour/type Red
 Required components:



Light distribution files



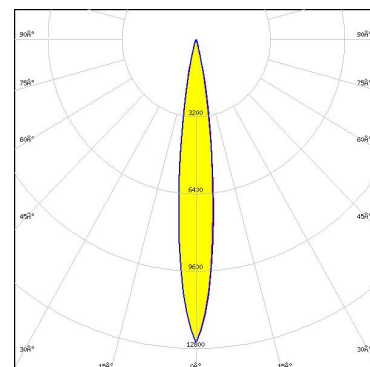
LED LUXEON HL1Z
 FWHM / FWTM 6.0° / 18.0°
 Efficiency 88 %
 Peak intensity 26 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 93 %
 Peak intensity 12.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

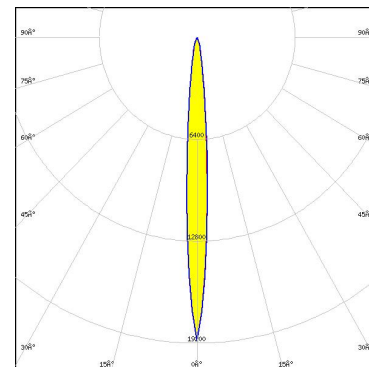


Light distribution files

OPTICAL RESULTS (SIMULATED):



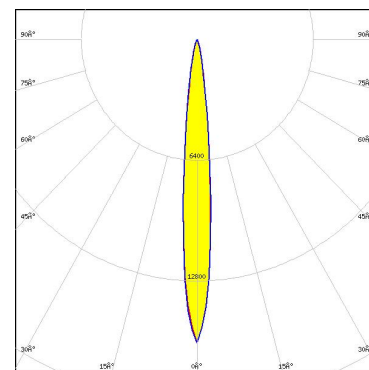
LED LUXEON HL2Z
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 90 %
 Peak intensity 19.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



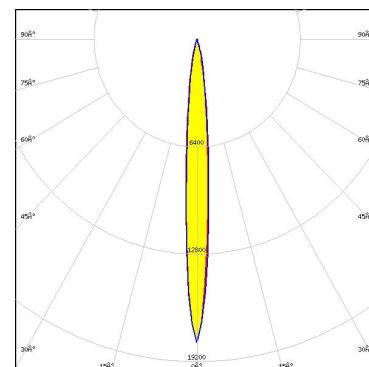
LED LUXEON HL4Z
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 93 %
 Peak intensity 16.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON IR Domed 60 (L110-0xxx060000000)
 FWHM / FWTM 9.0° / 23.0°
 Efficiency 93 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:

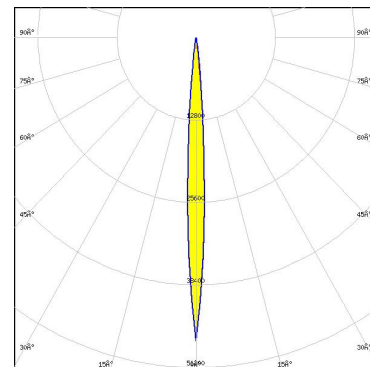


Light distribution files

OPTICAL RESULTS (SIMULATED):



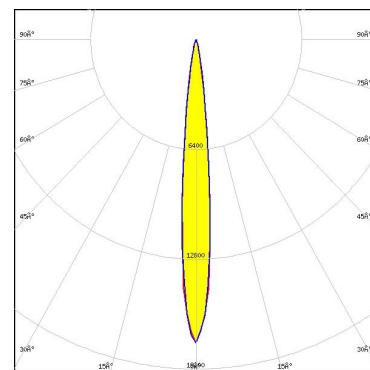
LED LUXEON Rubix
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 93 %
 Peak intensity 47.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



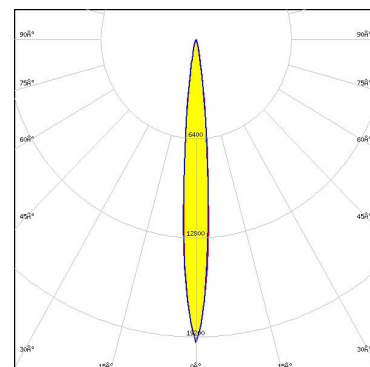
LED LUXEON T
 FWHM / FWTM 11.0° / 22.0°
 Efficiency 93 %
 Peak intensity 17.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON TX
 FWHM / FWTM 9.7° / 21.0°
 Efficiency 91 %
 Peak intensity 19.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

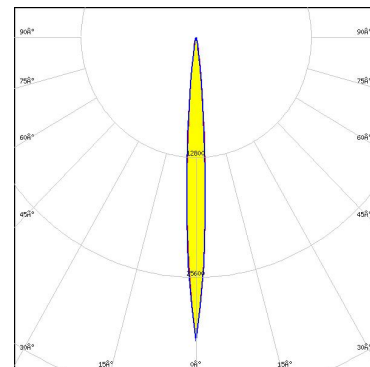


Light distribution files

OPTICAL RESULTS (SIMULATED):



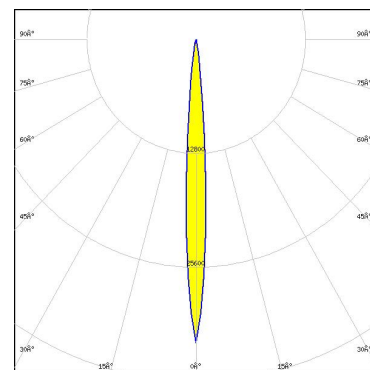
LED LUXEON Z ES
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 92 %
 Peak intensity 32.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



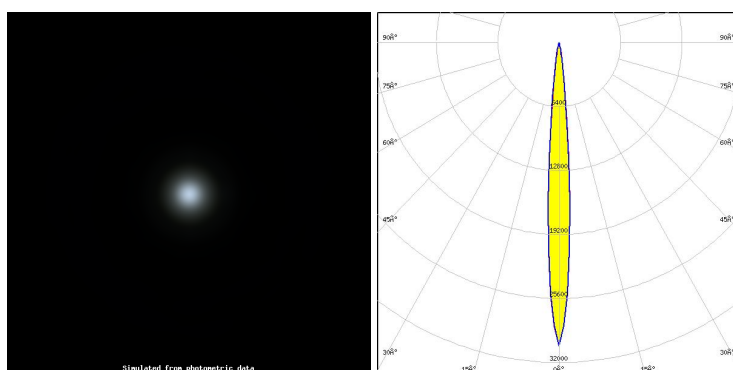
LED SST-12 Gen1
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 92 %
 Peak intensity 34.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-12 Gen2
 FWHM / FWTM 8.0° / 17.0 + 18.0°
 Efficiency 93 %
 Peak intensity 30.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

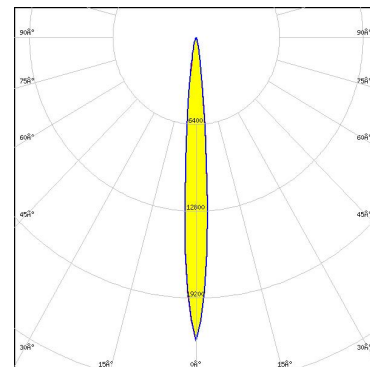


Light distribution files

OPTICAL RESULTS (SIMULATED):



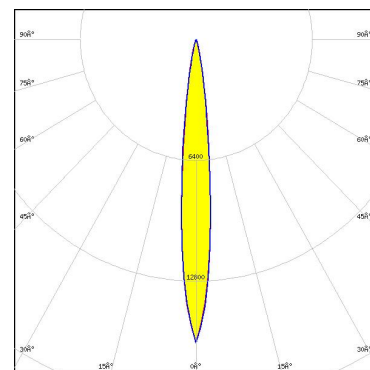
LED SST-20 Gen1
 FWHM / FWTM 8.0° / 19.0°
 Efficiency 91 %
 Peak intensity 22.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



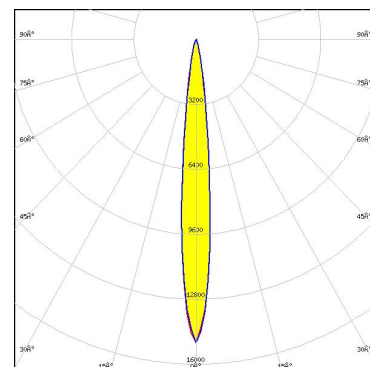
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 91 %
 Peak intensity 16.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 88 %
 Peak intensity 15.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

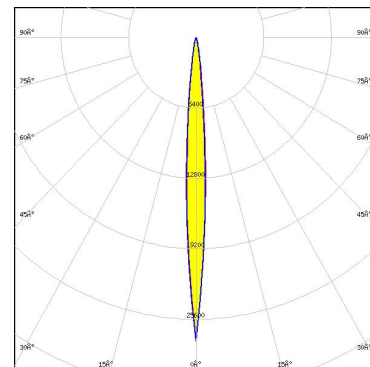


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

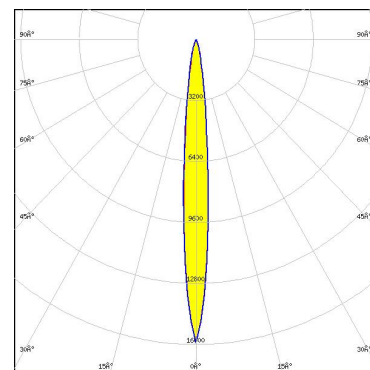
LED OSCONIQ P 3030
FWHM / FWTM 8.0° / 18.0°
Efficiency 92 %
Peak intensity 27.6 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files

OSRAM
Opto Semiconductors

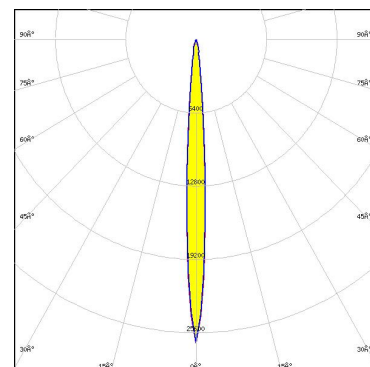
LED OSCONIQ P 3737 Flat
FWHM / FWTM 10.0° / 24.0°
Efficiency 93 %
Peak intensity 15.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLOM Black Flat (LUW HWQP)
FWHM / FWTM 8.0° / 16.0°
Efficiency 90 %
Peak intensity 26.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

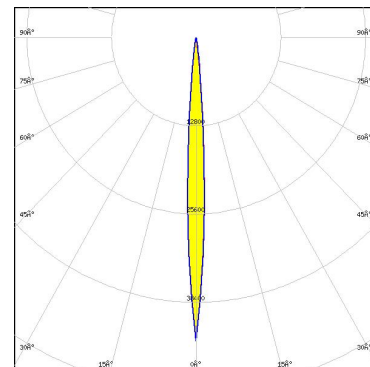


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

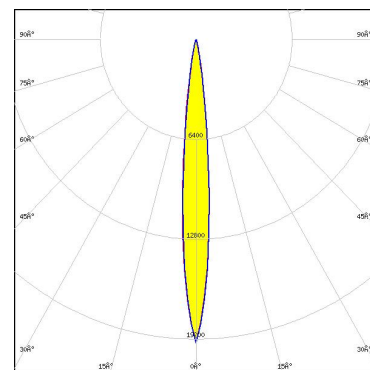
LED OSLON Pure 1414
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 44 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

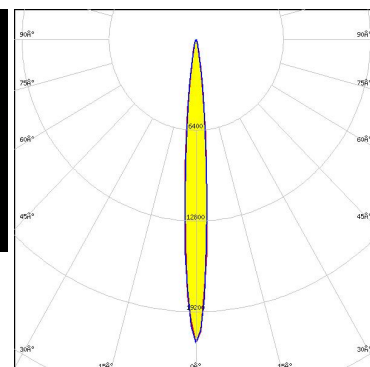
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 10.0° / 22.0°
Efficiency 93 %
Peak intensity 19.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square Flat
FWHM / FWTM 8.7° / 19.0°
Efficiency 91 %
Peak intensity 21.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

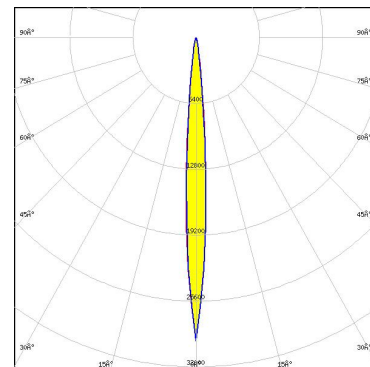


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

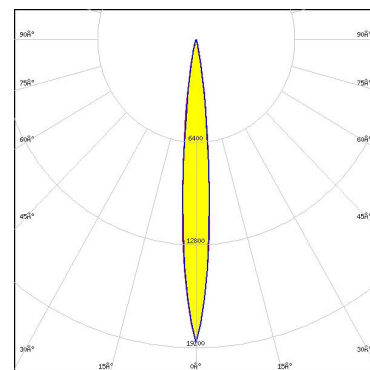
LED OSLON Square Flat
FWHM / FWTM 8.0° / 18.0°
Efficiency 93 %
Peak intensity 29.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

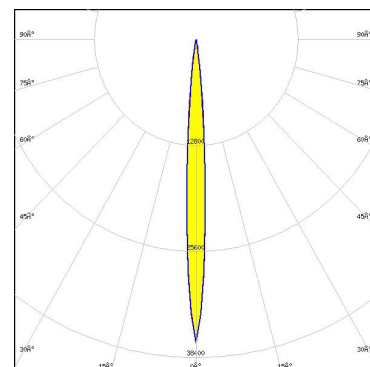
LED OSLON Square PC
FWHM / FWTM 11.0° / 22.0°
Efficiency 94 %
Peak intensity 18.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 8.0° / 16.0°
Efficiency 93 %
Peak intensity 36.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

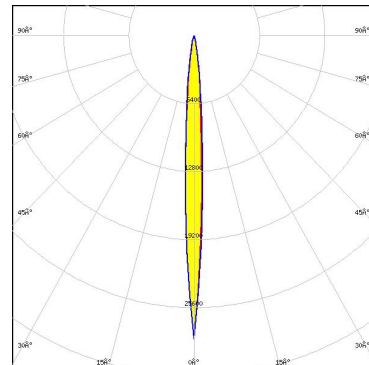
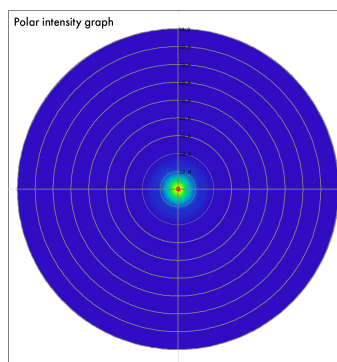


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

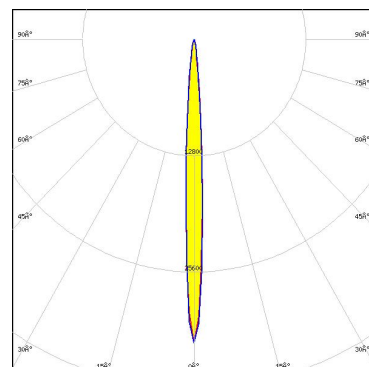
LED SFH 4715AS
FWHM / FWTM 6.0° / 18.0°
Efficiency 91 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

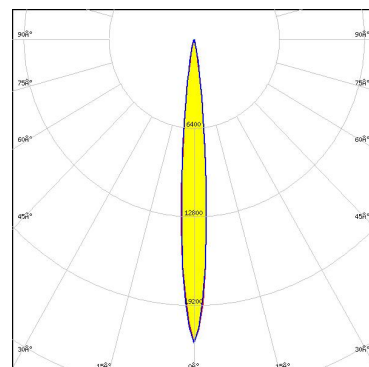
LED SFH 4716AS
FWHM / FWTM 6.5° / 15.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

LED LH351A
FWHM / FWTM 9.0° / 20.0°
Efficiency 91 %
Peak intensity 21.9 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

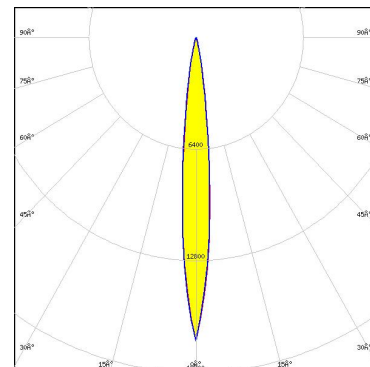


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

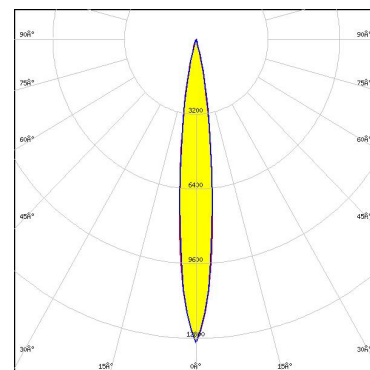
LED LH351B
 FWHM / FWTM 10.0° / 23.0°
 Efficiency 92 %
 Peak intensity 17.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

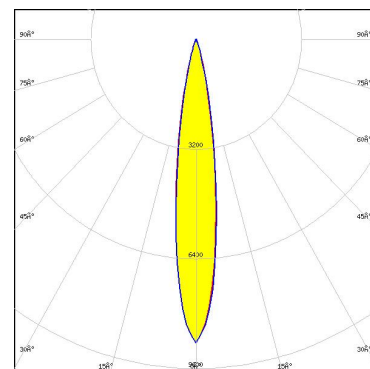
LED LH351C
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 93 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LH351D
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 91 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

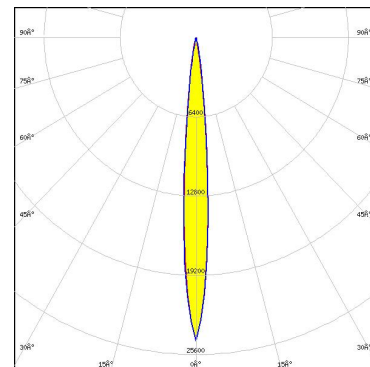


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

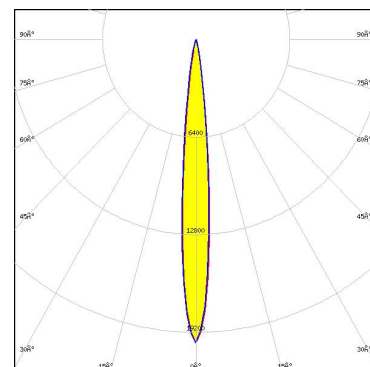
LED LH351Z
 FWHM / FWTM 9.0° / 19.0°
 Efficiency 93 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



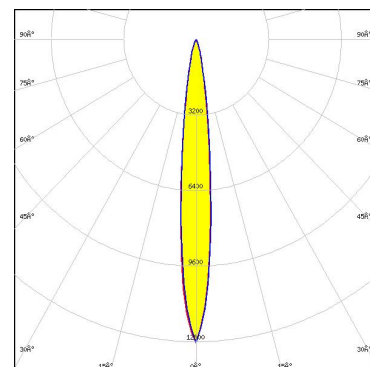
LED Z5M1/Z5M2
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 93 %
 Peak intensity 19.9 cd/m²
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M4
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 94 %
 Peak intensity 12.9 cd/m²
 LEDs/each optic 1
 Light colour/type White
 Required components:

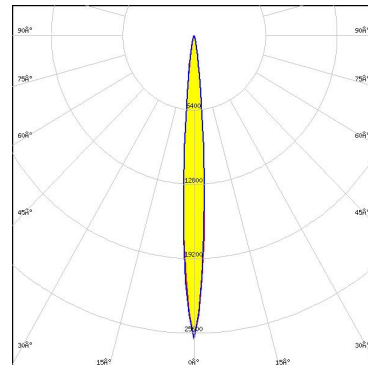


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED Z5P
FWHM / FWTM 8.0° / 17.0°
Efficiency 92 %
Peak intensity 26.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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 7
FI-24100 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

Poznan, Poland
Hong Kong, China

Distribution Partners

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