

LR2-RS

~9.6° spot beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

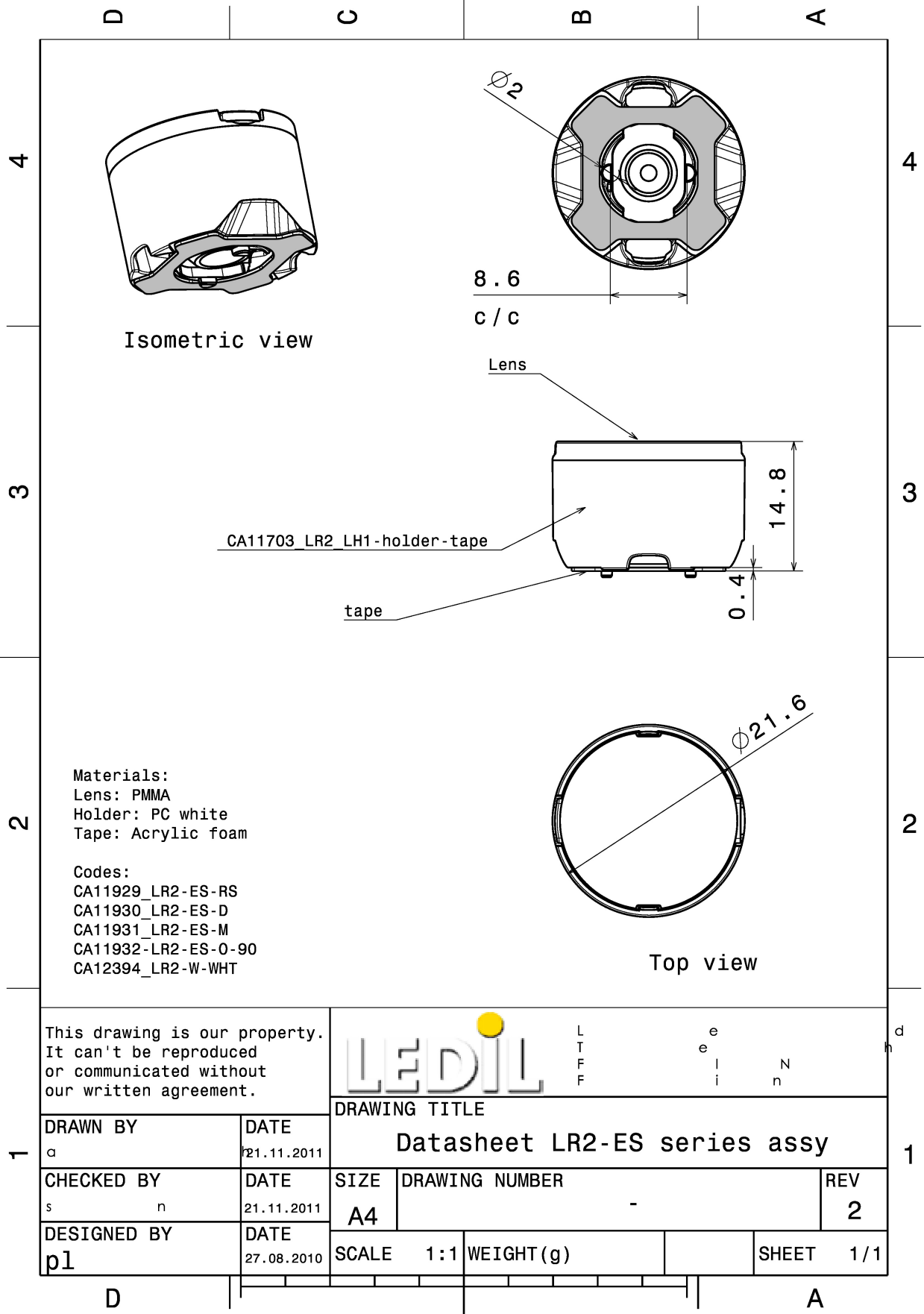
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LXP2-RS	Single lens	PMMA	clear		21.6
LR2-ES-LH1-HLD	Holder	PC	white		21.6
HEIDI-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11929_LR2-RS » Box size: 480 x 280 x 300 mm	1680	336	112	9.3





This drawing is our property. It can't be reproduced or communicated without our written agreement.



L
T
F
F

e
e
i
n

d

DRAWING TITLE

Datasheet LR2-ES series assy

DRAWN BY a	DATE 21.11.2011
CHECKED BY s n	DATE 21.11.2011
DESIGNED BY pl	DATE 27.08.2010

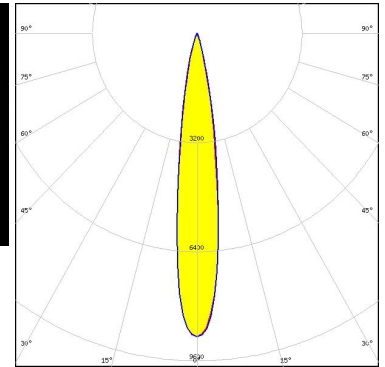
SIZE A4	DRAWING NUMBER -	REV 2
SCALE 1:1	WEIGHT (g)	SHEET 1/1

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

OPTICAL RESULTS (MEASURED):



LED XP-L HD
FWHM / FWTM 16.0° / 31.0°
Efficiency 91 %
Peak intensity 8.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



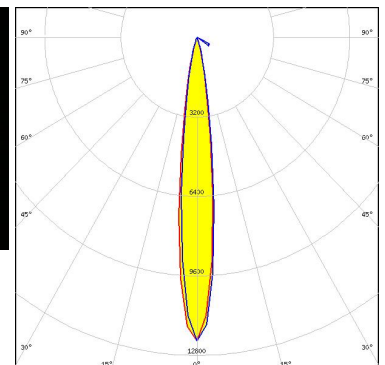
Light distribution files



LED LUXEON Rebel ES
FWHM / FWTM 11.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON T
FWHM / FWTM 12.0° / 23.0°
Efficiency 91 %
Peak intensity 12.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

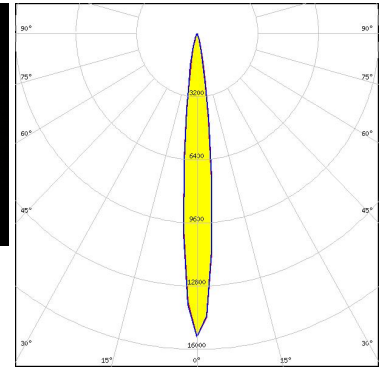


Light distribution files

OPTICAL RESULTS (MEASURED):



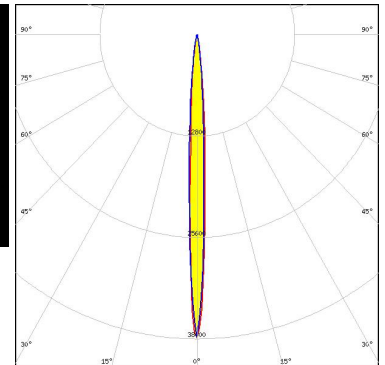
LED LUXEON TX
FWHM / FWTM 11.0° / 23.0°
Efficiency 91 %
Peak intensity 15.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



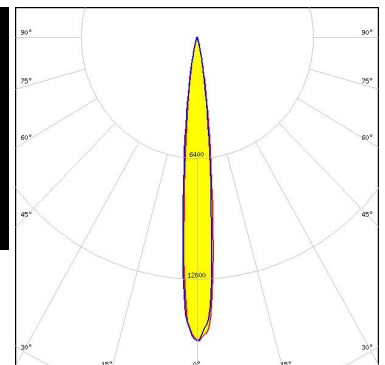
LED LUXEON Z ES
FWHM / FWTM 6.0° / 16.0°
Efficiency 91 %
Peak intensity 38.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 11.0° / 23.0°
Efficiency 94 %
Peak intensity 16 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

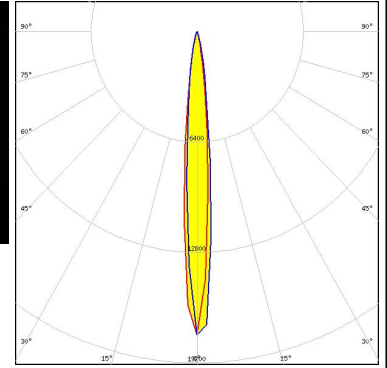


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 10.0° / 22.0°
Efficiency 92 %
Peak intensity 17.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

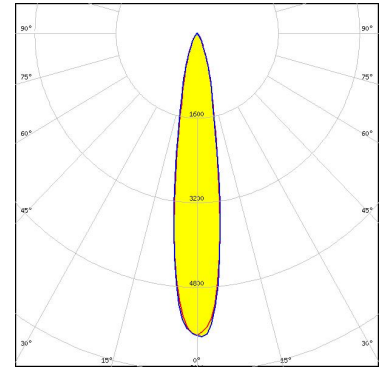
OSRAM
Opto Semiconductors

LED PLPVEC2 850A
FWHM / FWTM 5.0° / 12.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

OPTICAL RESULTS (SIMULATED):



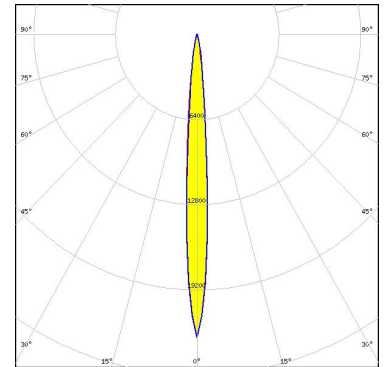
LED J Series 5050 Round LES
FWHM / FWTM 18.0° / 41.0°
Efficiency 95 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



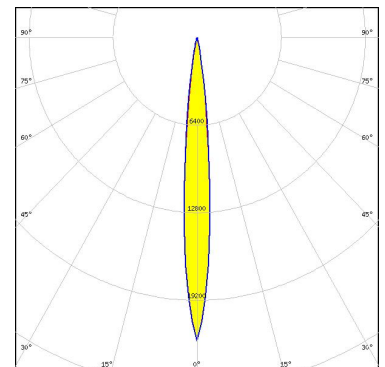
LED XD16
FWHM / FWTM 8.0° / 18.0°
Efficiency 91 %
Peak intensity 22.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 22.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

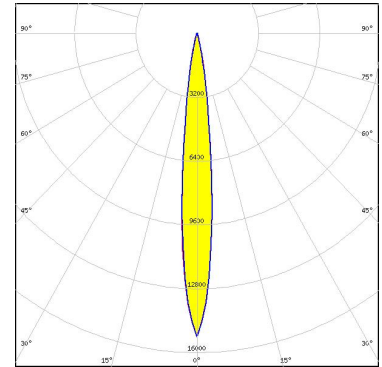


Light distribution files

OPTICAL RESULTS (SIMULATED):



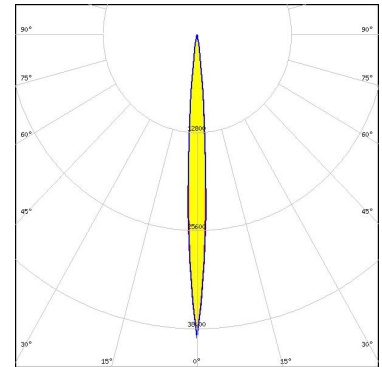
LED XP-G3
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 94 %
 Peak intensity 15.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



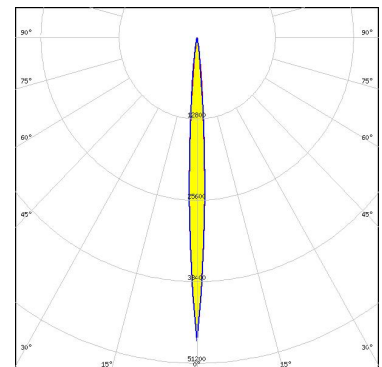
LED XQ-E HD
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 92 %
 Peak intensity 39 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XQ-E HI
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 93 %
 Peak intensity 47.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

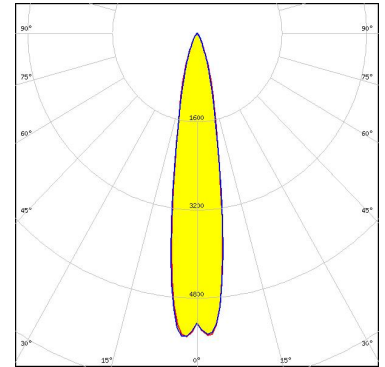


Light distribution files

OPTICAL RESULTS (SIMULATED):



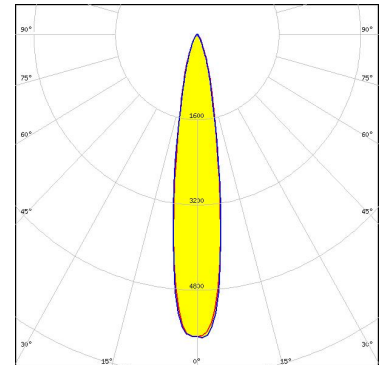
LED LUXEON 5050 Round LES
 FWHM / FWTM 18.0° / 41.0°
 Efficiency 96 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



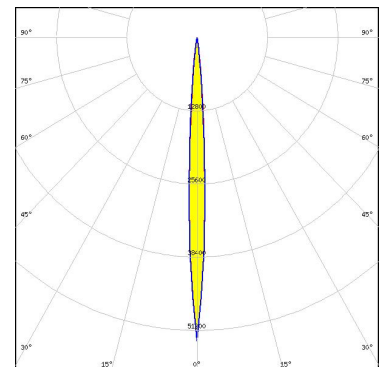
LED LUXEON 5050 Square LES
 FWHM / FWTM 18.0° / 40.0°
 Efficiency 97 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 95 %
 Peak intensity 53 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:

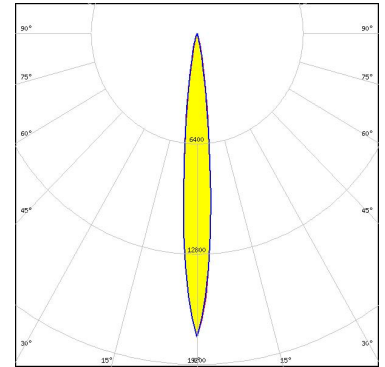


Light distribution files

OPTICAL RESULTS (SIMULATED):



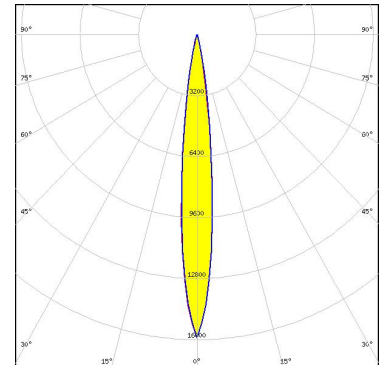
LED LUXEON H50-2
 FWHM / FWTM 10.5° / 22.0°
 Efficiency 93 %
 Peak intensity 17.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



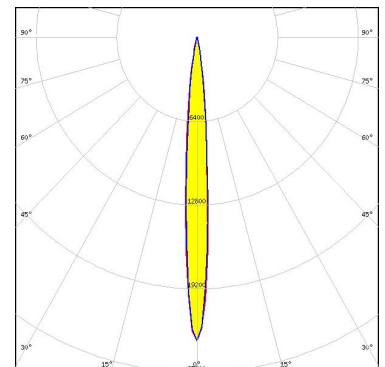
LED LUXEON HL2X
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 94 %
 Peak intensity 15.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON IR Domed 60 (L110-0xxx060000000)
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:

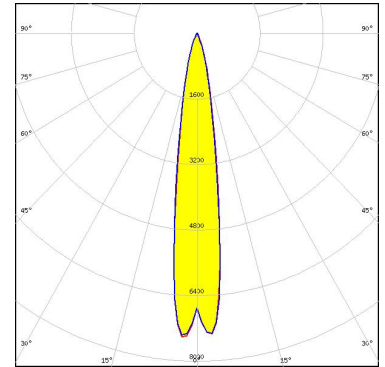


Light distribution files

OPTICAL RESULTS (SIMULATED):



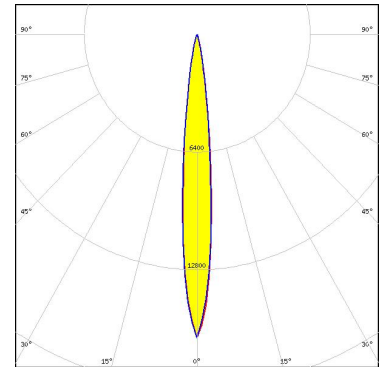
LED LUXEON MZ
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 95 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



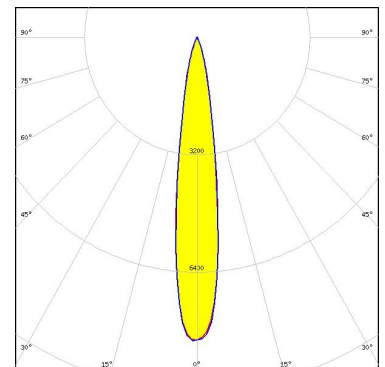
LED LUXEON V2
 FWHM / FWTM 11.0° / 24.0°
 Efficiency 94 %
 Peak intensity 16.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NV4WB35AM
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 96 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

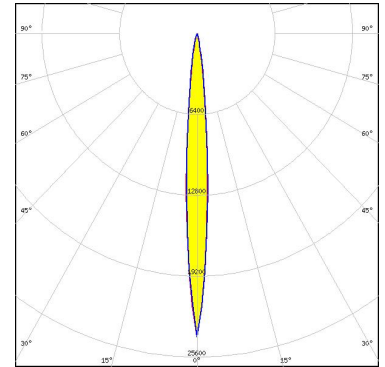


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

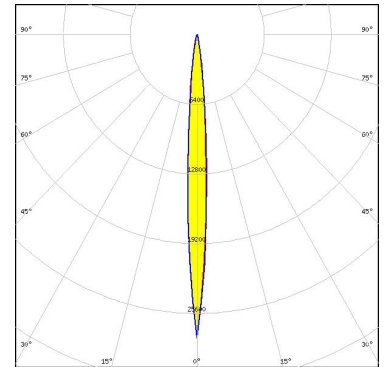
LED OSCONIQ C 2424
FWHM / FWTM 8.0° / 20.0°
Efficiency 95 %
Peak intensity 24 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

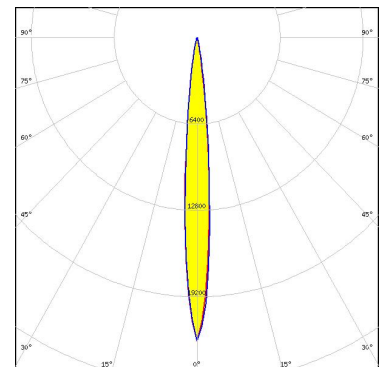
LED OSCONIQ P 3030
FWHM / FWTM 8.0° / 18.0°
Efficiency 94 %
Peak intensity 27.8 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 22.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

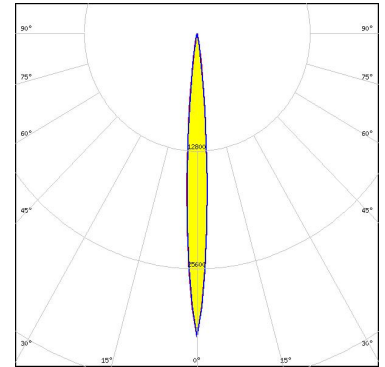


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

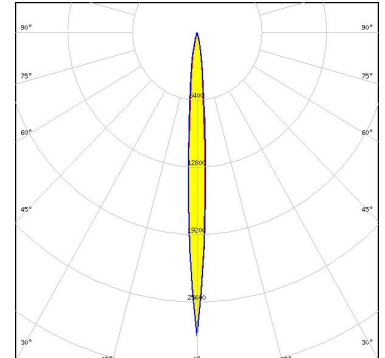
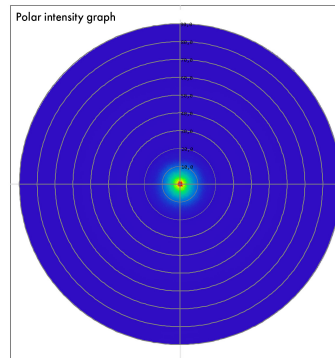
LED OSLON SSL 120
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 95 %
 Peak intensity 33 cd/m
 LEDs/each optic 1
 Light colour/type Amber
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

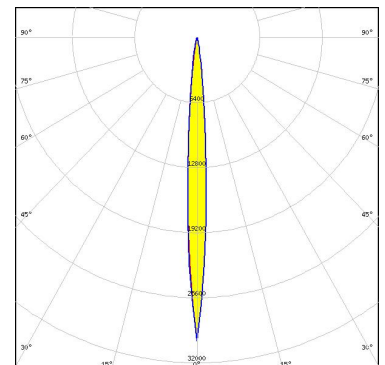
LED SFH 4715AS
 FWHM / FWTM 6.0° / 19.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4770S
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 95 %
 Peak intensity 29.9 cd/m
 LEDs/each optic 1
 Light colour/type IR
 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 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

Poznan, Poland
Hong Kong, China

Distribution Partners

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