

LR2-RS

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

SPECIFICATION:

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

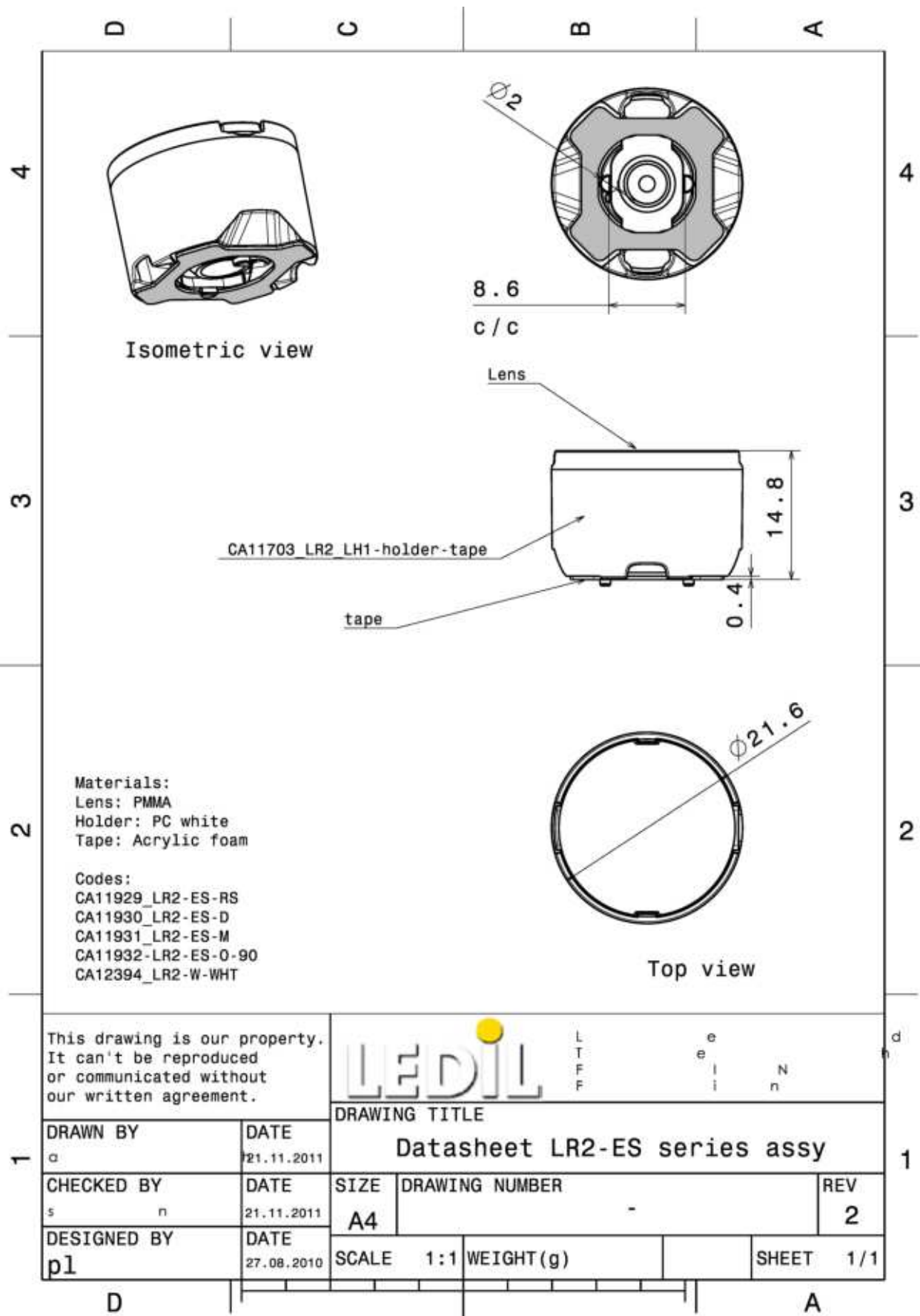


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LR2-ES-LH1-HLD	Holder	PC	white		
LXP2-RS	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acryl tape	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

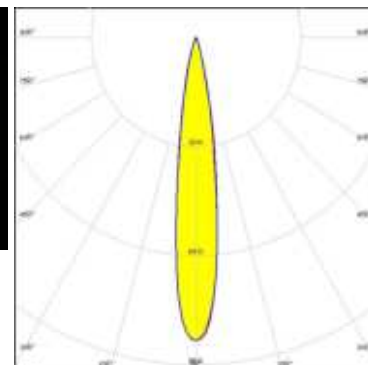
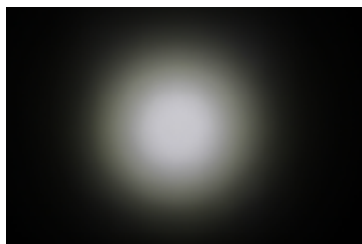


See also our general installation guide: www.ledil.com/installation_guide

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:



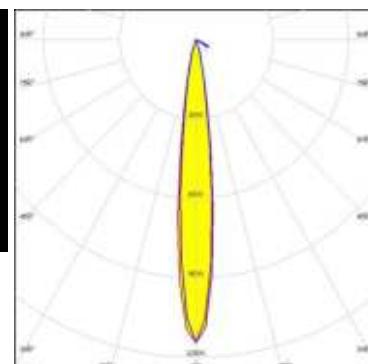
Light distribution files



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:

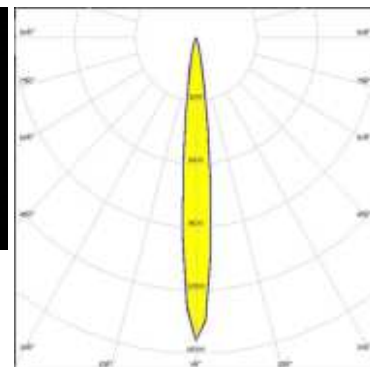


Light distribution files

OPTICAL RESULTS (MEASURED):



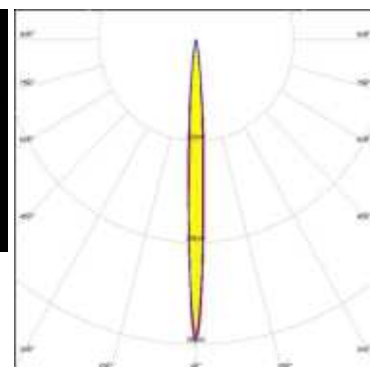
LED LUXEON TX
FWHM / FWTM 11.0° / 23.0°
Efficiency 91 %
Peak intensity 15.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



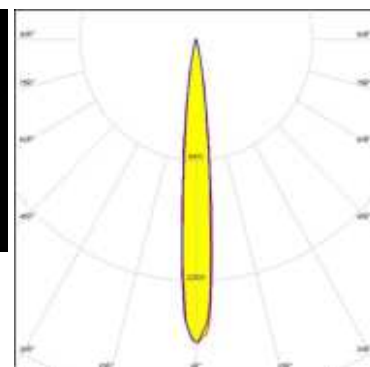
LED LUXEON Z ES
FWHM / FWTM 6.0° / 16.0°
Efficiency 91 %
Peak intensity 38.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

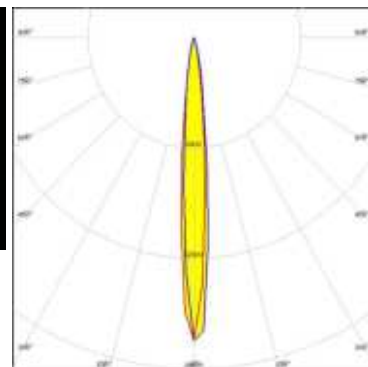


Light distribution files

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

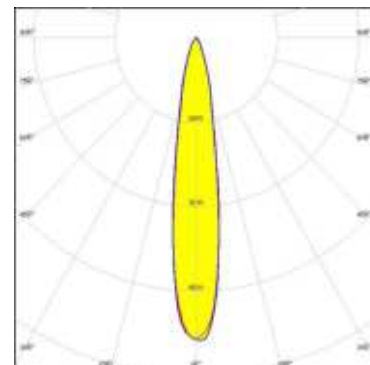
LED PLPVEC2 850A
FWHM / FWTM 5.0° / 12.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



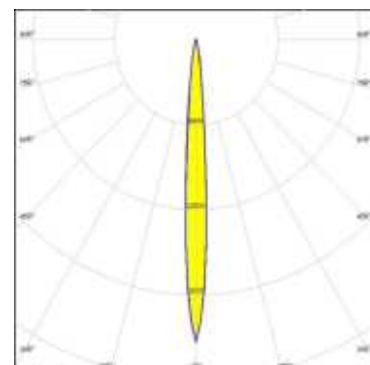
LED J Series 5050 6V P Class
FWHM / FWTM 18.0° / 41.0°
Efficiency 95 %
Peak intensity 5.8 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



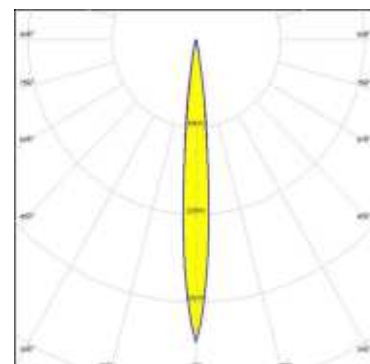
LED XD16
FWHM / FWTM 8.0° / 18.0°
Efficiency 91 %
Peak intensity 22.8 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

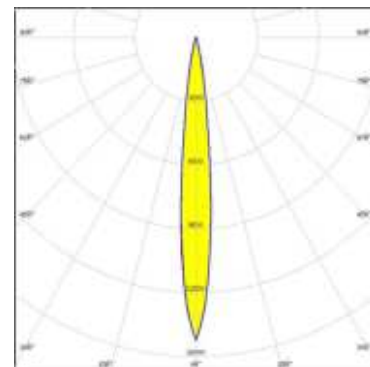


Light distribution files

OPTICAL RESULTS (SIMULATED):



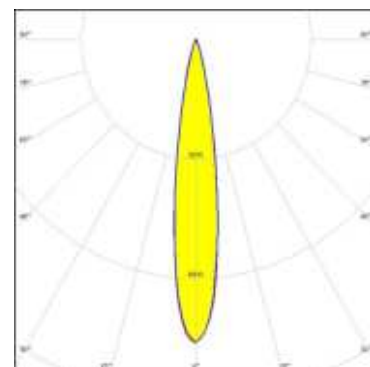
LED XP-G3
FWHM / FWTM 12.0° / 24.0°
Efficiency 94 %
Peak intensity 15.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



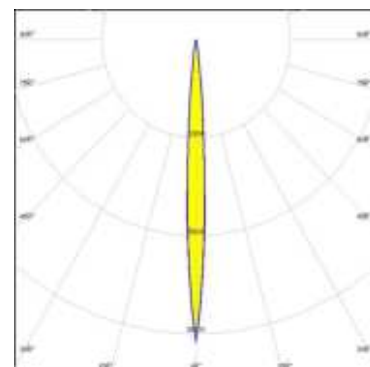
LED XP-L2
FWHM / FWTM 16.0° / 32.0°
Efficiency 93 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

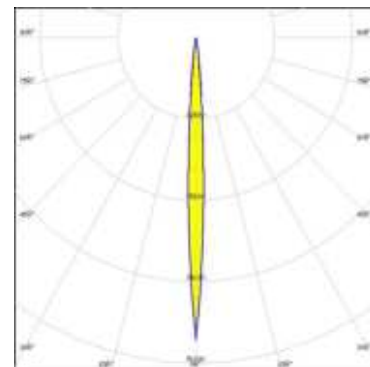


Light distribution files

OPTICAL RESULTS (SIMULATED):



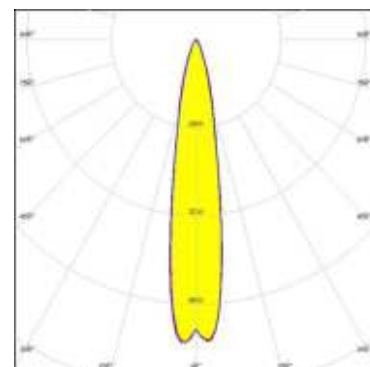
LED XQ-E HI
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 47.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



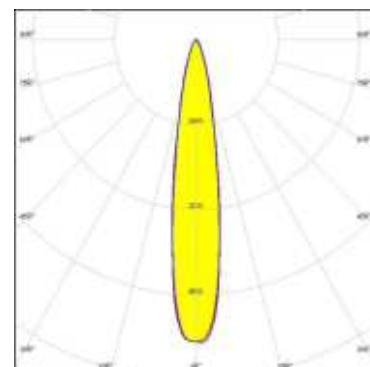
LED LUXEON 5050 Round LES
FWHM / FWTM 18.0° / 41.0°
Efficiency 96 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

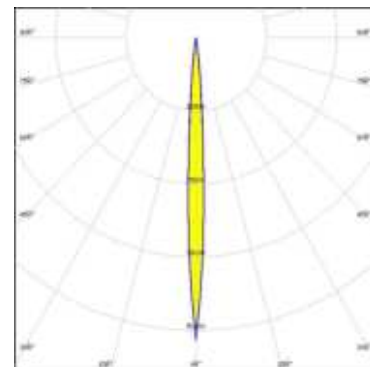


Light distribution files

OPTICAL RESULTS (SIMULATED):



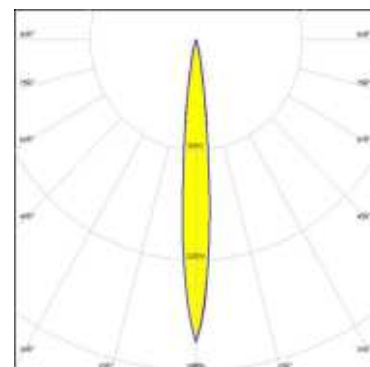
LED LUXEON CZ
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 53 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files



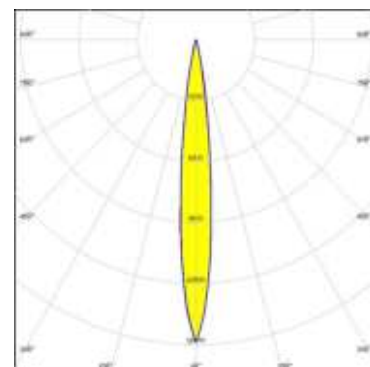
LED LUXEON H50-2
FWHM / FWTM 10.5° / 22.0°
Efficiency 93 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

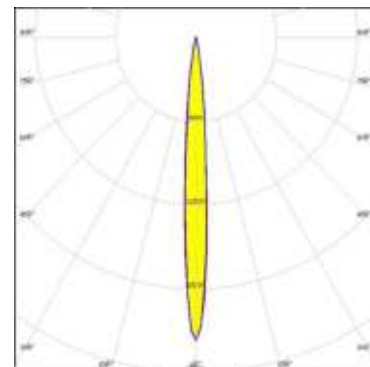


Light distribution files

OPTICAL RESULTS (SIMULATED):



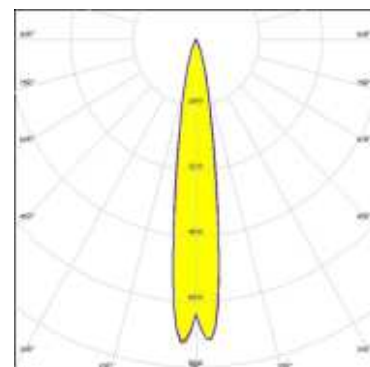
LED LUXEON IR Domed 60 (L110-0xxx060000000)
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



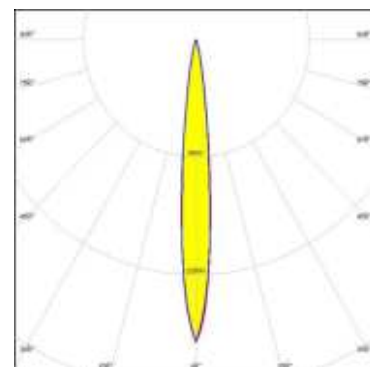
LED LUXEON MZ
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 95 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

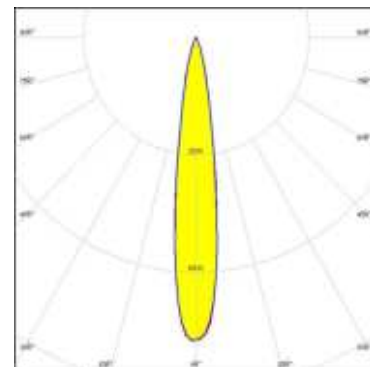


Light distribution files

OPTICAL RESULTS (SIMULATED):



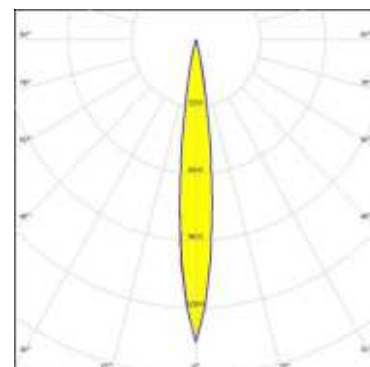
LED NV4WB35AM
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 96 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



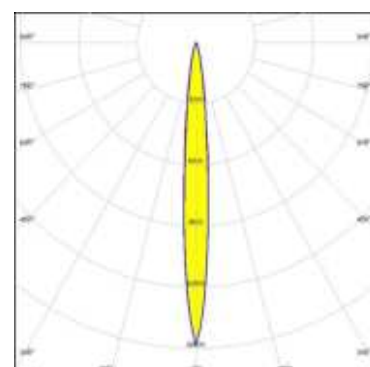
LED NVSW219F-V2
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 91 %
 Peak intensity 14.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Duris E5
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 95 %
 Peak intensity 15.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

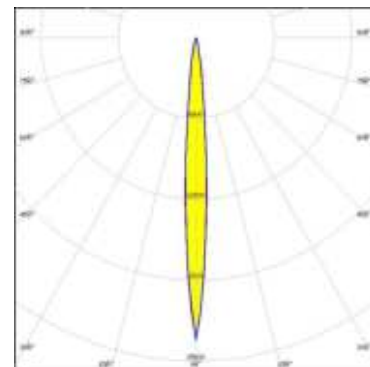


Light distribution files

OPTICAL RESULTS (SIMULATED):



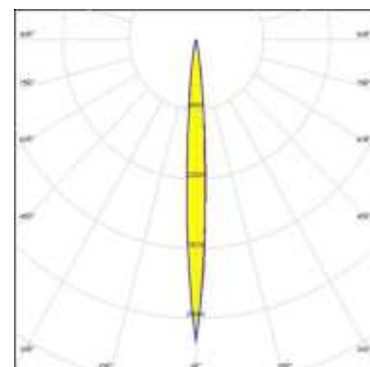
LED OSCONIQ C 2424 Gen1
FWHM / FWTM 8.0° / 20.0°
Efficiency 95 %
Peak intensity 24 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



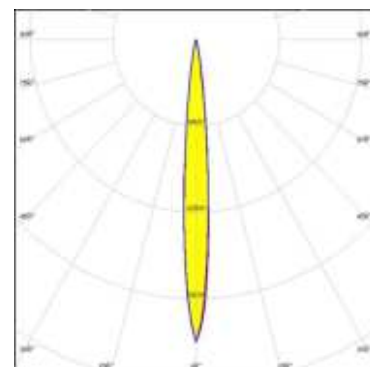
LED OSCONIQ P 3030
FWHM / FWTM 8.0° / 18.0°
Efficiency 94 %
Peak intensity 27.8 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files



LED OSLON 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:

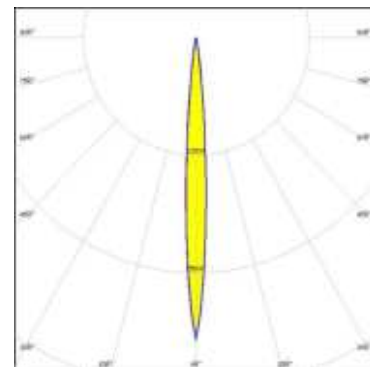


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

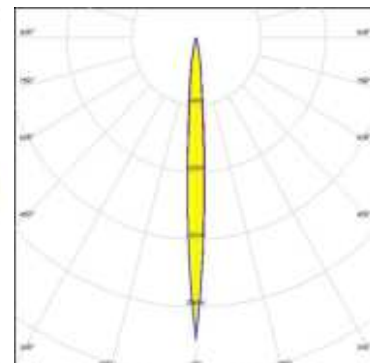
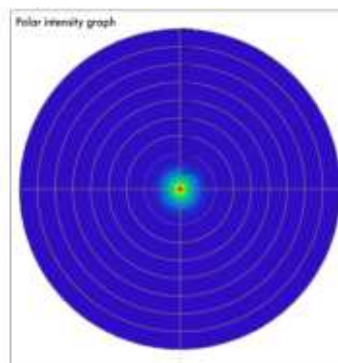
LED OSLON SSL 120
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 33 cd/m
LEDs/each optic 1
Light colour/type Amber
Required components:



Light distribution files

OSRAM
Opto Semiconductors

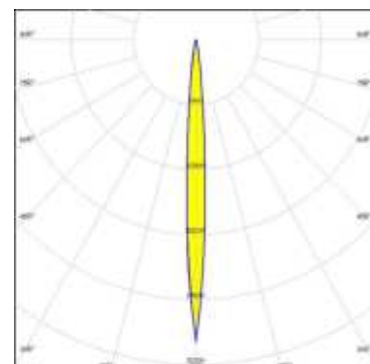
LED SFH 4715AS
FWHM / FWTM 6.0° / 19.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type IR
Required components:



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.

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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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