

LISA4-RS

~16° spot beam with integrated pins on lens

SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	7.7 mm
Fastening	pin
ROHS compliant	yes ⓘ

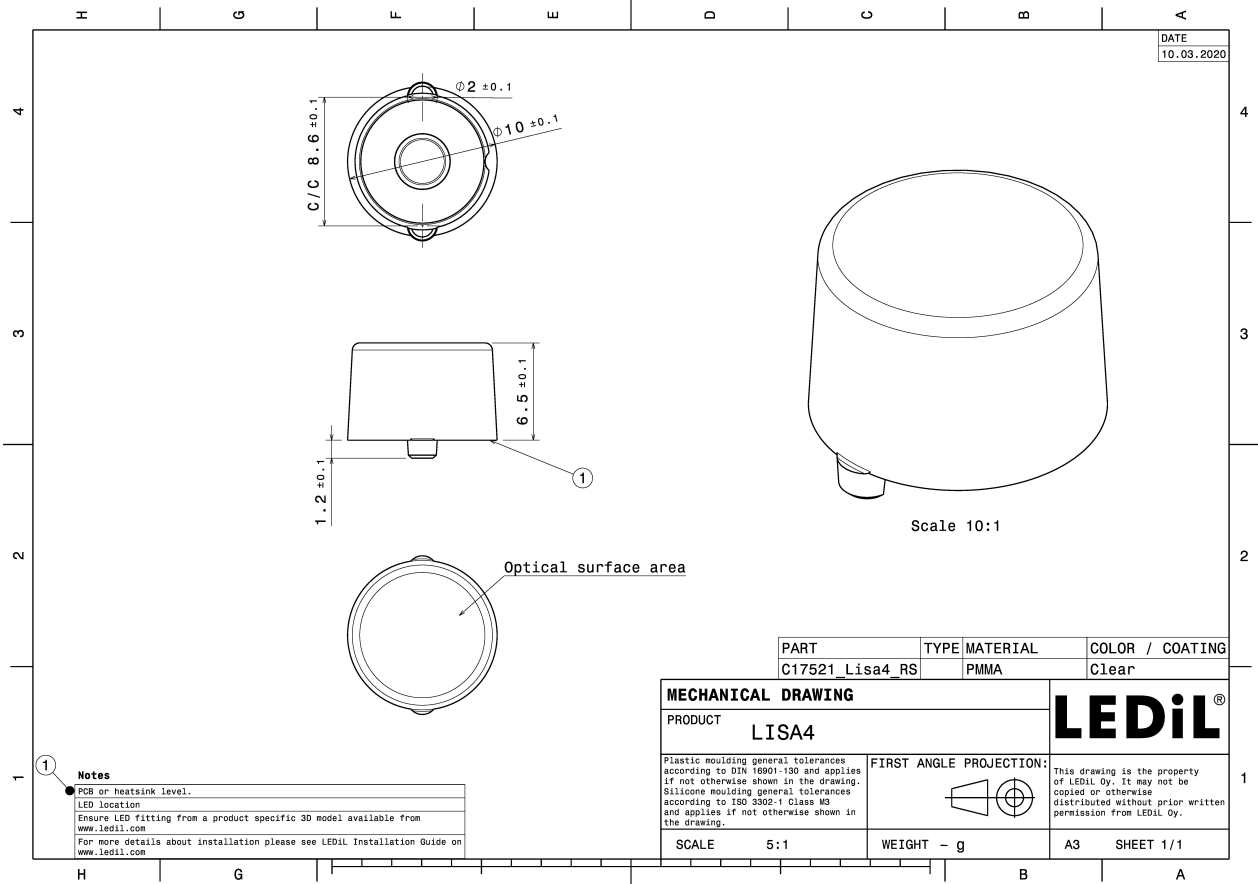
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA4-RS	Single lens	PMMA	clear		10.0

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17521_LISA4-RS » Box size: 430 x 390 x 215 mm	20000	1000	1000	7.5



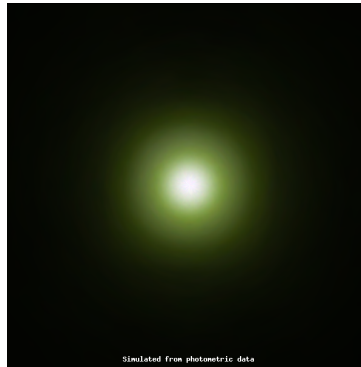


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (SIMULATED):



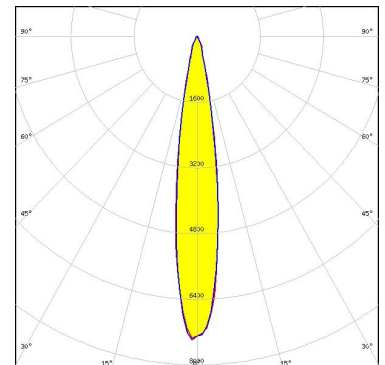
LED J Series 3030C
FWHM / FWTM 23.0° / 51.0°
Efficiency 95 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



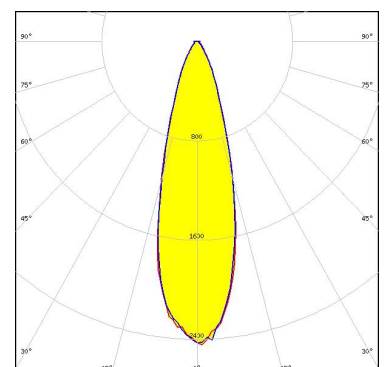
LED XP-E2
FWHM / FWTM 16.0° / 32.0°
Efficiency 95 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 29.0° / 60.0°
Efficiency 94 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

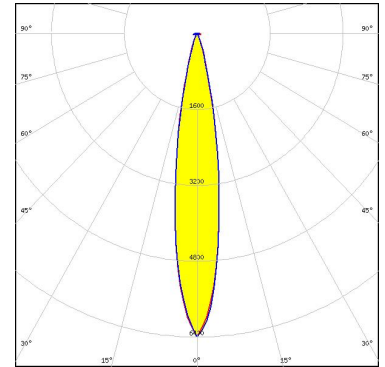


Light distribution files

OPTICAL RESULTS (SIMULATED):



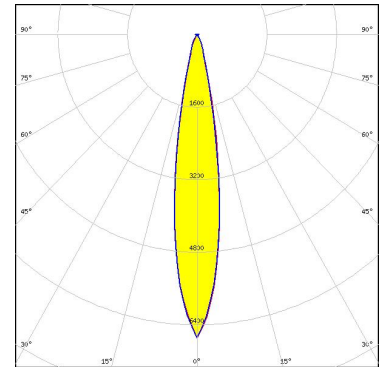
LED LUXEON HL1Z
FWHM / FWTM 18.0° / 34.0 + 33.0°
Efficiency 96 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



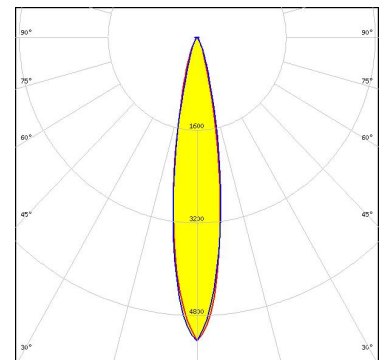
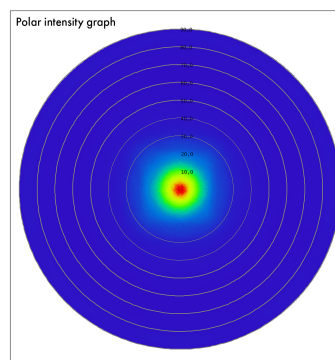
LED LUXEON Z ES
FWHM / FWTM 18.0° / 33.0°
Efficiency 92 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-10-IR-B90
FWHM / FWTM 18.0° / 39.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type IR
Required components:

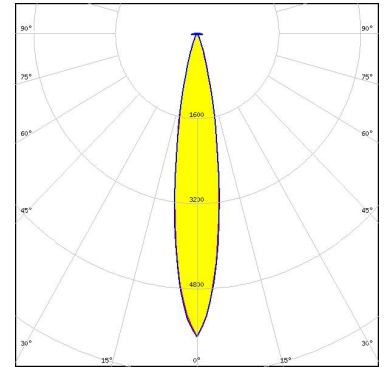


Light distribution files

OPTICAL RESULTS (SIMULATED):



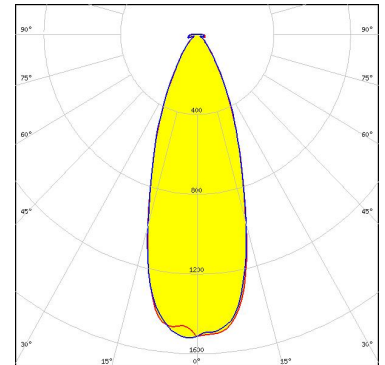
LED NCSxE17A
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 93 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



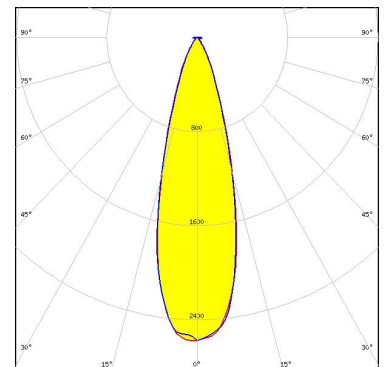
LED NV4WB35AM
 FWHM / FWTM 36.0° / 73.0°
 Efficiency 93 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 29.0° / 55.0°
 Efficiency 91 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

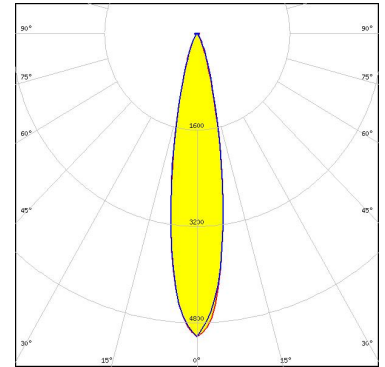


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

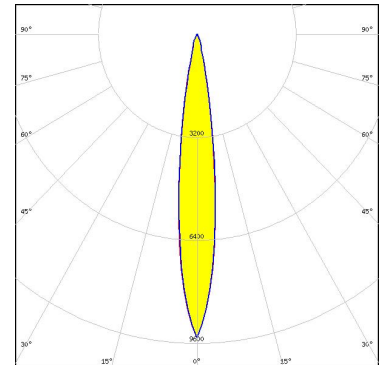
LED OSCONIQ C 2424
FWHM / FWTM 20.0° / 41.0°
Efficiency 95 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

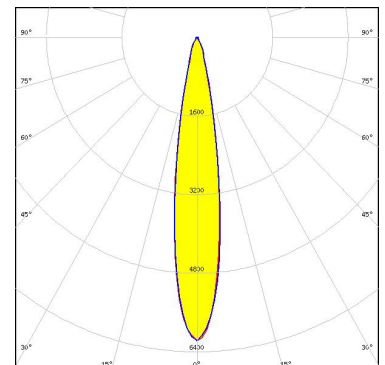
OSRAM
Opto Semiconductors

LED OSLO Pure 1414
FWHM / FWTM 14.0° / 28.0°
Efficiency 95 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OSRAM
Opto Semiconductors

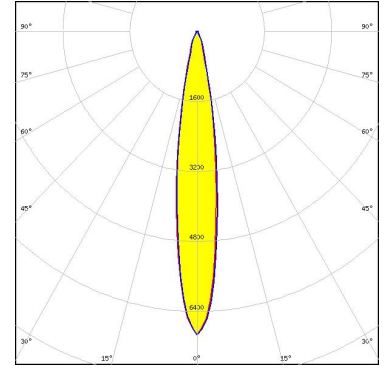
LED OSLO Signal
FWHM / FWTM 18.0° / 35.0°
Efficiency 92 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OPTICAL RESULTS (SIMULATED):

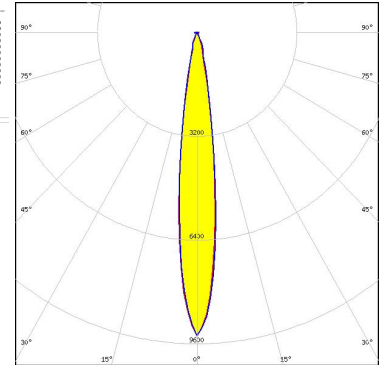
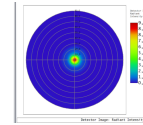
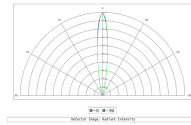
OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 16.0° / 33.0°
Efficiency 93 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OSRAM
Opto Semiconductors

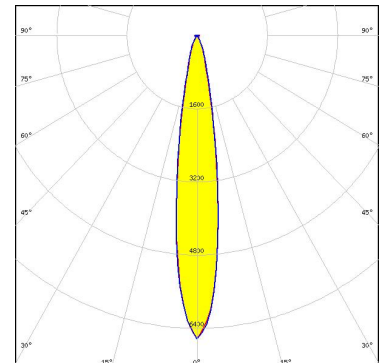
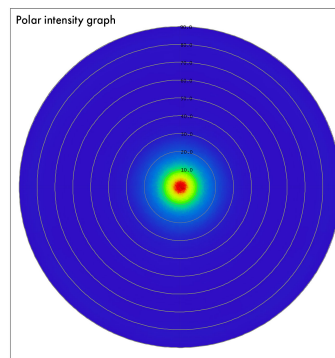
LED SFH 4714A
FWHM / FWTM 14.0° / 27.0°
Efficiency 96 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 16.0° / 34.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:

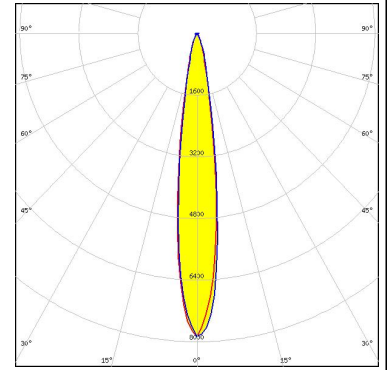


Light distribution files

OPTICAL RESULTS (SIMULATED):

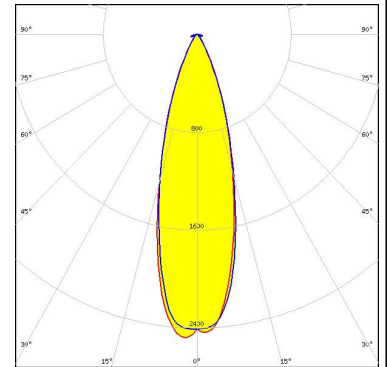
OSRAM
Opto Semiconductors

LED Synios P2720 1/2 mm
 FWHM / FWTM 15.0° / 32.0°
 Efficiency 95 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



SEOL
SEOUL SEMICONDUCTOR

LED Z5M4
 FWHM / FWTM 30.0° / 56.0°
 Efficiency 93 %
 Peak intensity 2.5 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:

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