

LISA4-M

~24° medium beam with integrated pins on lens

SPECIFICATION:

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

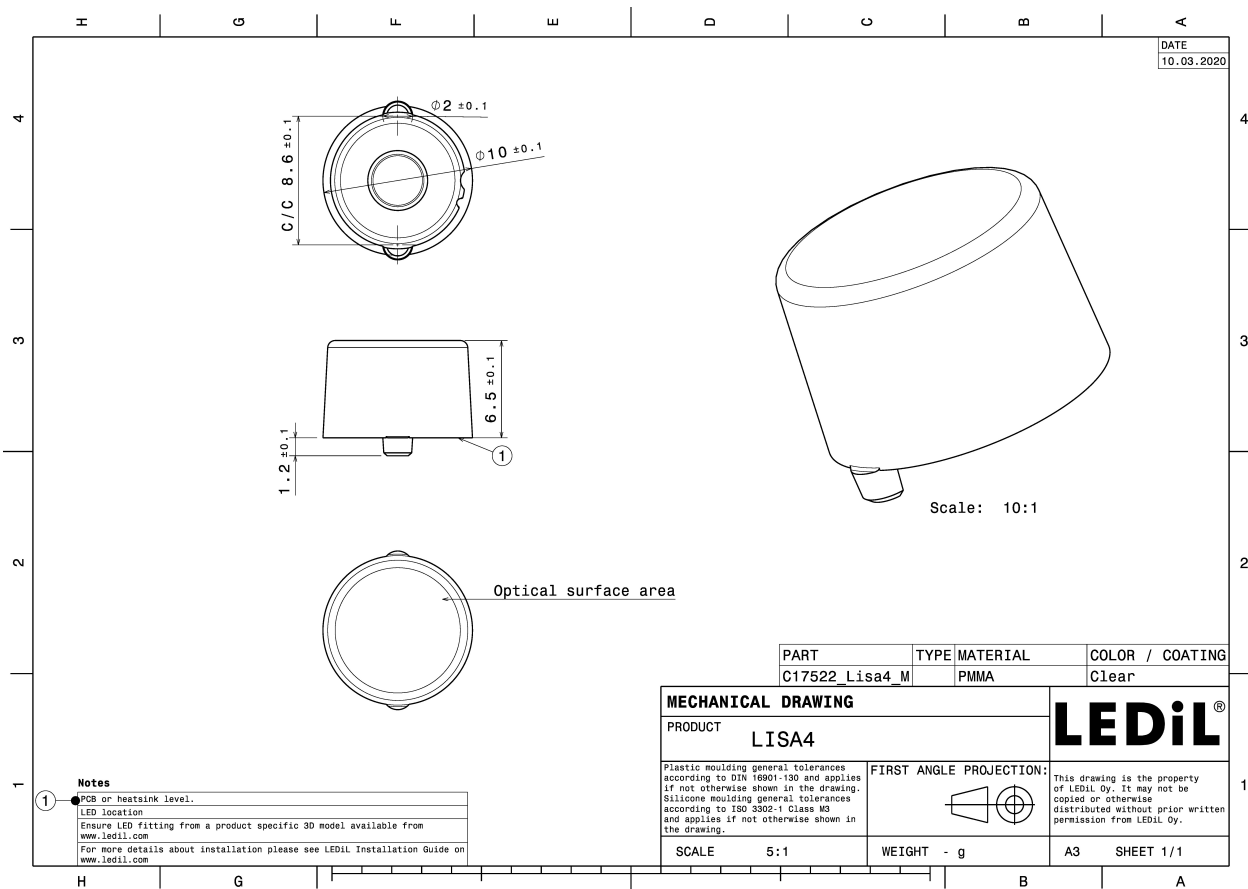
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA4-M	Single lens	PMMA	clear		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17522_LISA4-M » Box size: 430 x 390 x 215 mm	20000	1000	1000	7.5

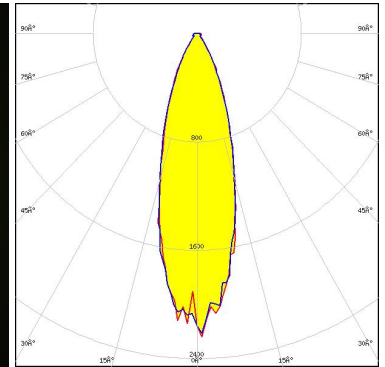
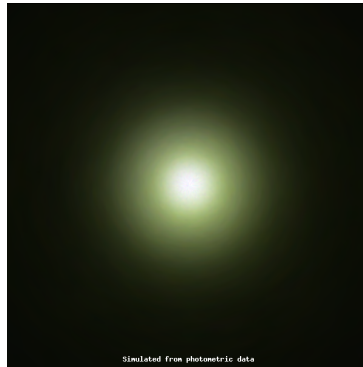


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (SIMULATED):



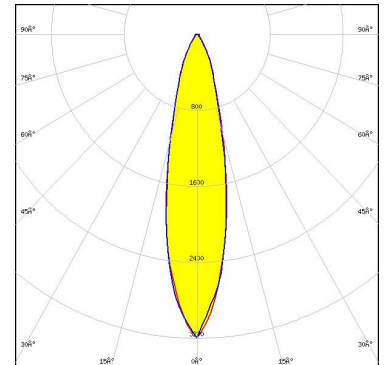
LED J Series 3030C
FWHM / FWTM 30.0° / 63.0 + 64.0°
Efficiency 94 %
Peak intensity 2.3 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



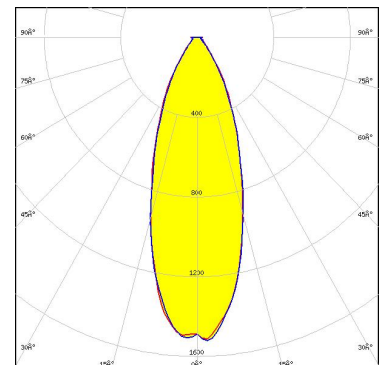
LED XP-E2
FWHM / FWTM 24.0° / 54.0°
Efficiency 92 %
Peak intensity 3.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 36.0° / 76.0°
Efficiency 92 %
Peak intensity 1.5 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

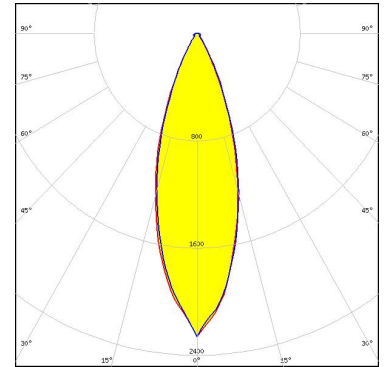


Light distribution files

OPTICAL RESULTS (SIMULATED):



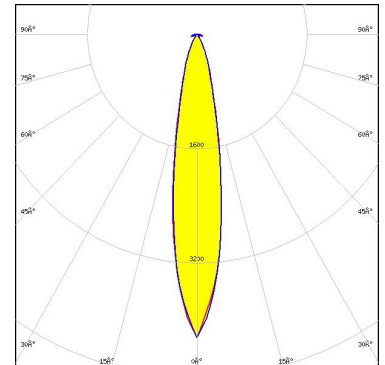
LED XP-G4
FWHM / FWTM 32.0° / 60.0°
Efficiency 92 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



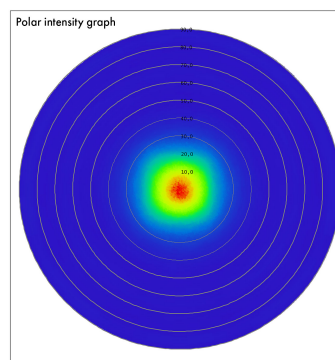
LED LUXEON HL1Z
FWHM / FWTM 20.0 + 19.0° / 44.0°
Efficiency 94 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



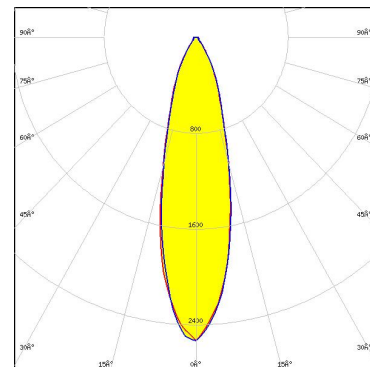
LED SST-10-IR-B90
FWHM / FWTM 26.0° / 50.0°
Efficiency 87 %
LEDs/each optic 1
Light colour/type IR
Required components:



OPTICAL RESULTS (SIMULATED):



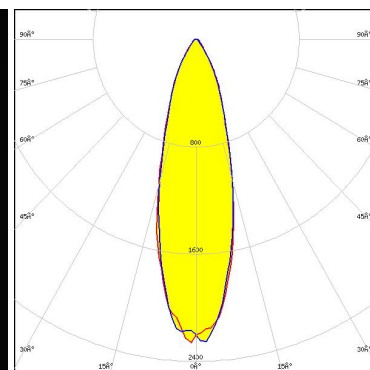
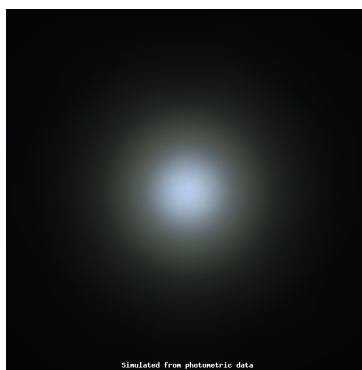
LED SST-12 Gen1
 FWHM / FWTM 27.0° / 62.0 + 61.0°
 Efficiency 93 %
 Peak intensity 2.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



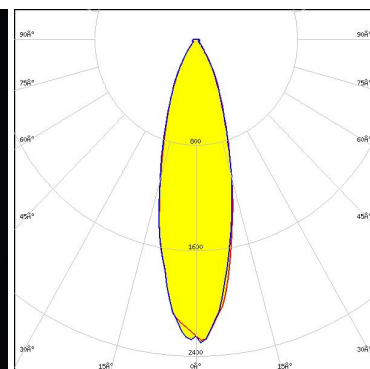
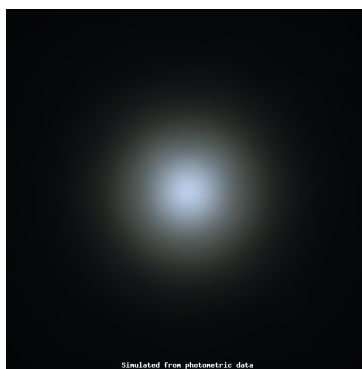
LED SST-12 Gen2
 FWHM / FWTM 30.0° / 65.0 + 66.0°
 Efficiency 93 %
 Peak intensity 2.3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-20 Gen2
 FWHM / FWTM 28.0° / 64.0 + 63.0°
 Efficiency 94 %
 Peak intensity 2.3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

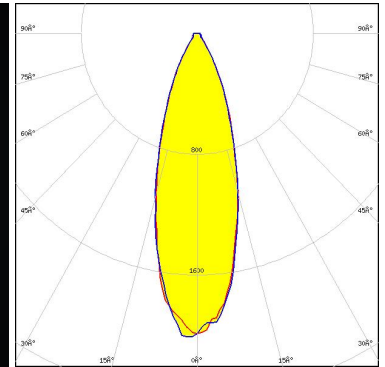


Light distribution files

OPTICAL RESULTS (SIMULATED):



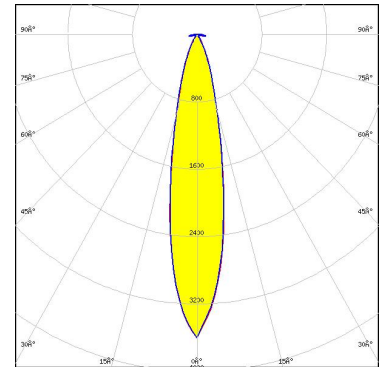
LED SST-25-W
FWHM / FWTM 32.0° / 65.0°
Efficiency 94 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



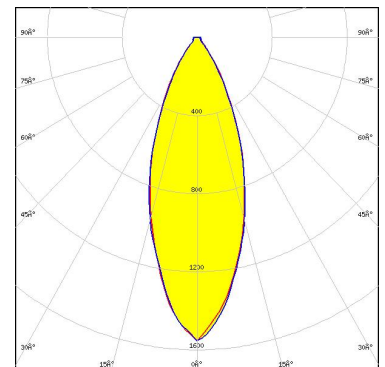
LED NCSxE17A
FWHM / FWTM 22.0° / 46.0°
Efficiency 92 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 38.0° / 73.0°
Efficiency 89 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

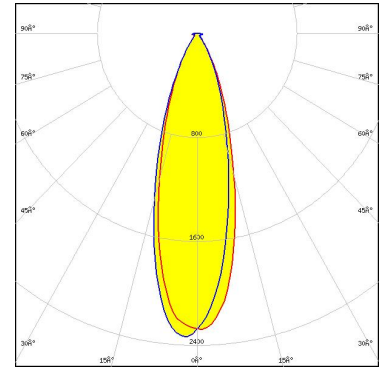


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

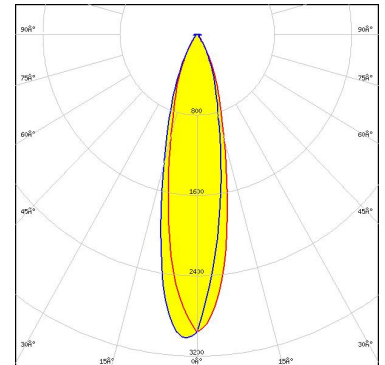
LED Duris S5 (2 chip)
FWHM / FWTM 30.0° / 62.0°
Efficiency 94 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

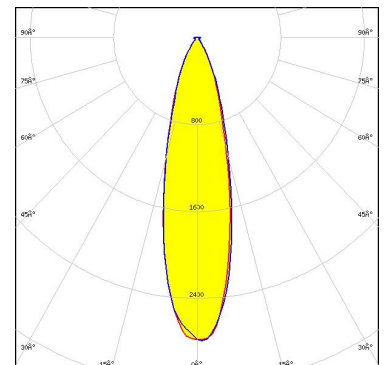
LED Duris S5 (Single chip)
FWHM / FWTM 24.0° / 55.0°
Efficiency 90 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM 26.0° / 57.0°
Efficiency 93 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

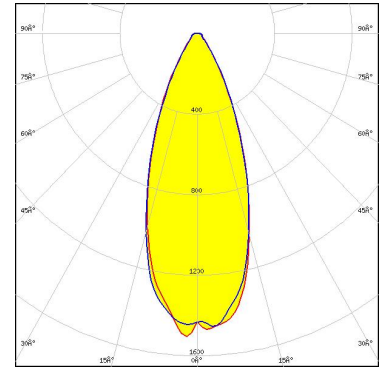


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

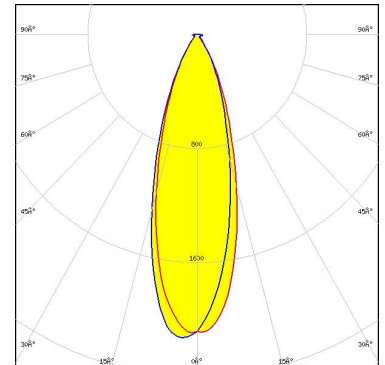
LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 40.0° / 73.0°
Efficiency 92 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

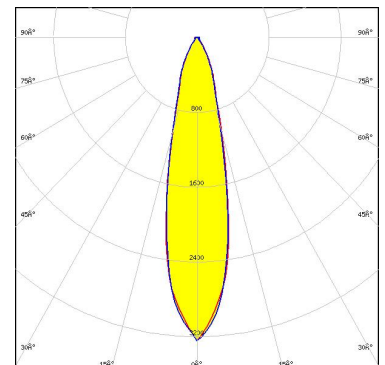
LED OSCONIQ S 3030 (QSLR31)
FWHM / FWTM 31.0° / 63.0°
Efficiency 90 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Pure 1414
FWHM / FWTM 24.0° / 54.0 + 55.0°
Efficiency 93 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

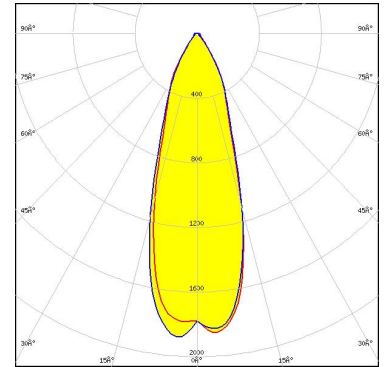


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

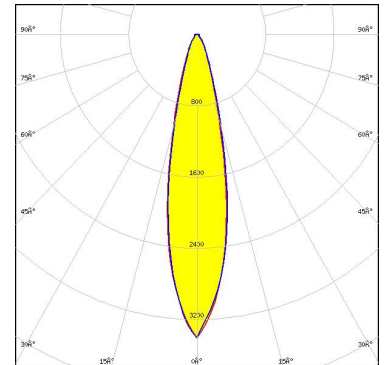
LED OSLON Signal
FWHM / FWTM 34.0° / 69.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

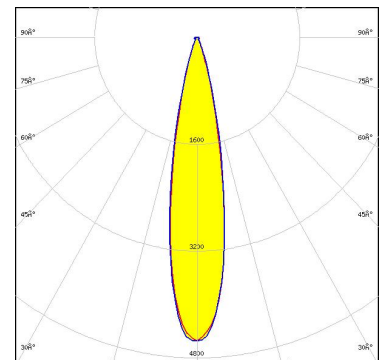
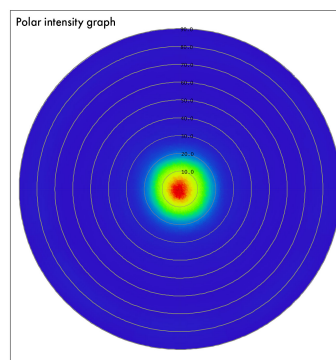
LED OSLON SSL 80
FWHM / FWTM 23.0° / 47.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 21.0° / 38.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type IR
Required components:

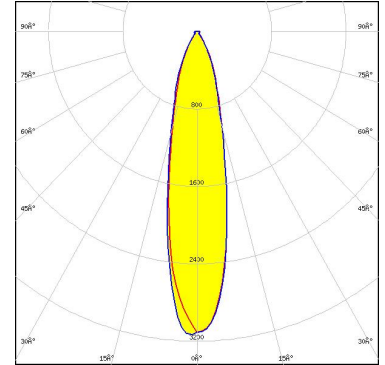
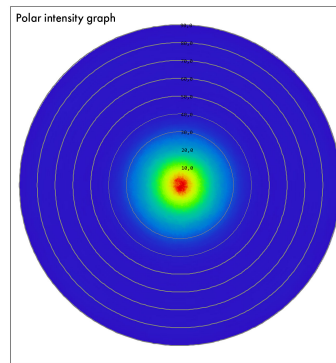


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

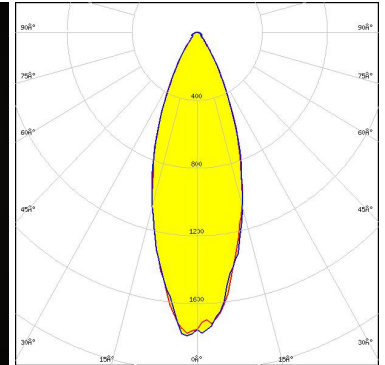
LED SFH 4770S
FWHM / FWTM 24.0° / 56.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

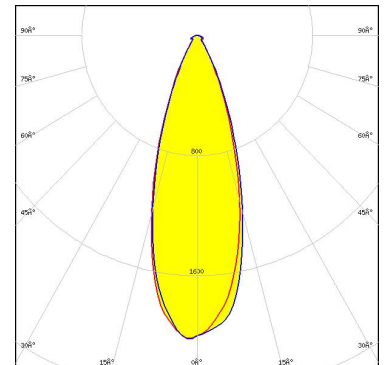
LED Z5M3-E1
FWHM / FWTM 36.0° / 68.0° + 69.0°
Efficiency 93 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

LED Z5M4
FWHM / FWTM 34.0° / 62.0°
Efficiency 94 %
Peak intensity 2 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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