

LISA4-WWW

~60° spot beam with integrated pins on lens

SPECIFICATION:

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

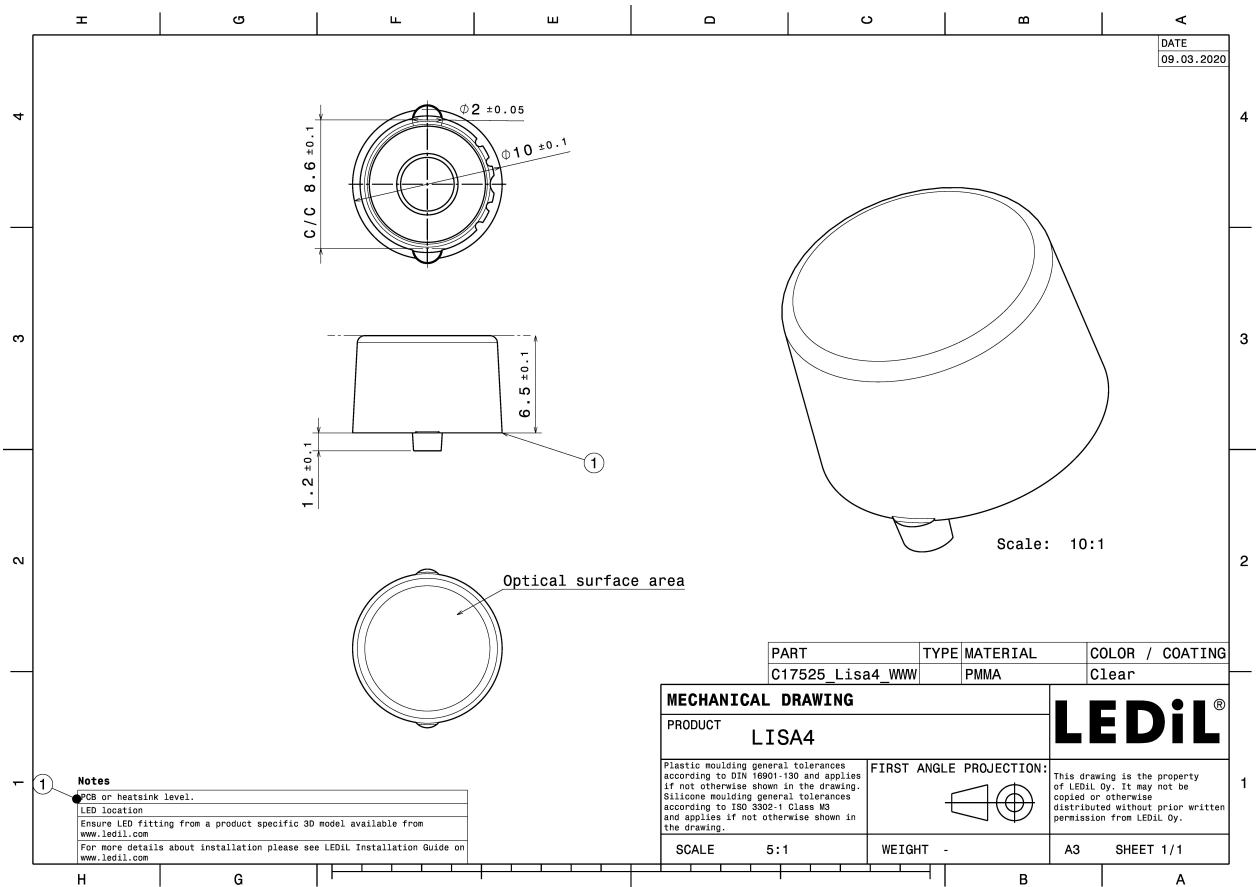
MATERIALS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17525_LISA4-WWW » Box size: 430 x 390 x 215 mm	20000	1000	1000	7.5

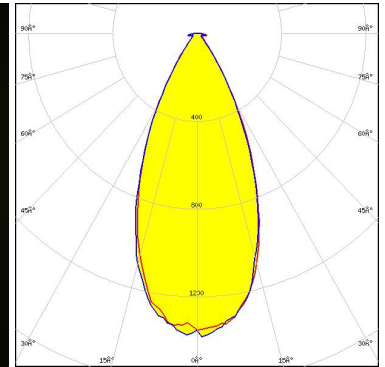
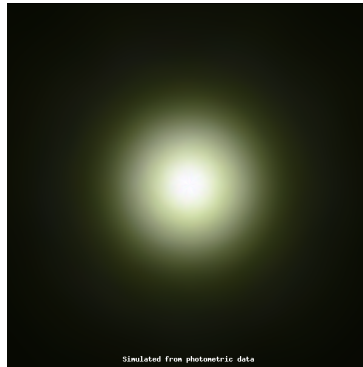


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (SIMULATED):



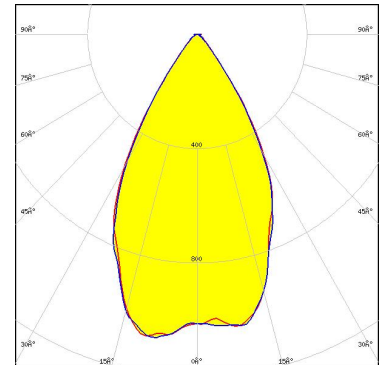
LED J Series 3030C
FWHM / FWTM 47.0 + 46.0° / 75.0 + 74.0°
Efficiency 97 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



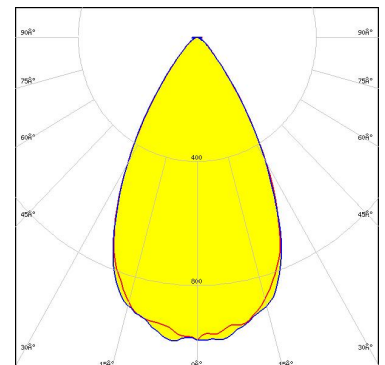
LED XP-E2
FWHM / FWTM 57.0° / 82.0°
Efficiency 96 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2
FWHM / FWTM 58.0° / 88.0°
Efficiency 95 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

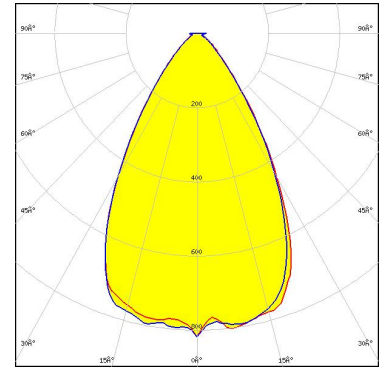


Light distribution files

OPTICAL RESULTS (SIMULATED):



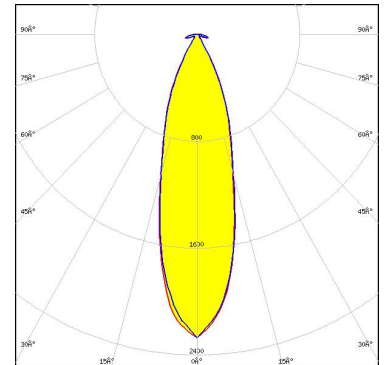
LED XP-G3
 FWHM / FWTM 62.0° / 96.0°
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



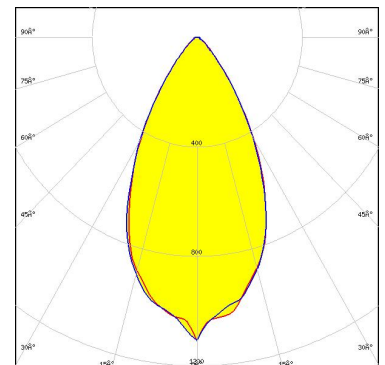
LED LUXEON HL1Z
 FWHM / FWTM 29.0° / 60.0°
 Efficiency 97 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM 53.0° / 86.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

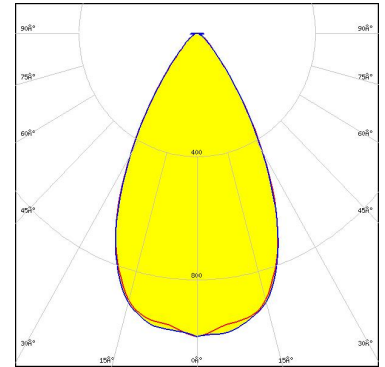


Light distribution files

OPTICAL RESULTS (SIMULATED):



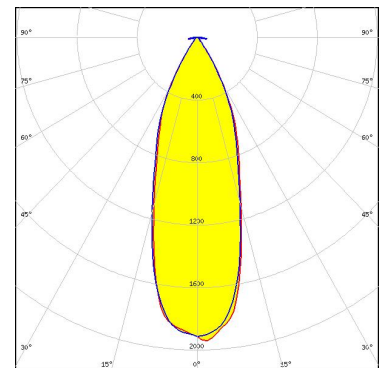
LED LUXEON TX
FWHM / FWTM 57.0° / 88.0°
Efficiency 95 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



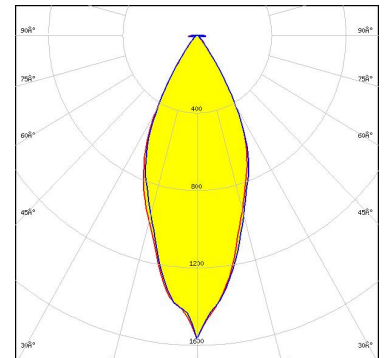
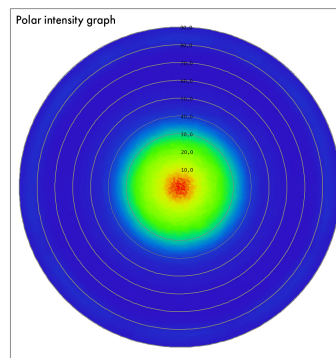
LED LUXEON Z ES
FWHM / FWTM 35.0° / 68.0°
Efficiency 97 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-10-IR-B90
FWHM / FWTM 42.0° / 72.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type IR
Required components:

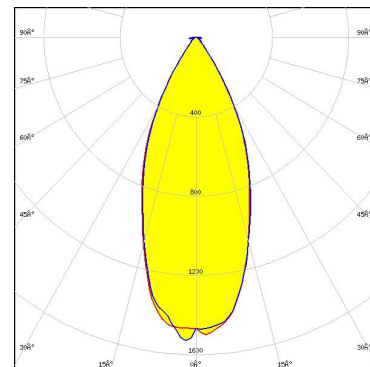


Light distribution files

OPTICAL RESULTS (SIMULATED):



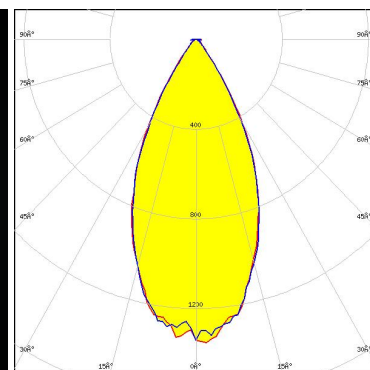
LED SST-12 Gen1
 FWHM / FWTM 44.0 + 43.0° / 74.0°
 Efficiency 96 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



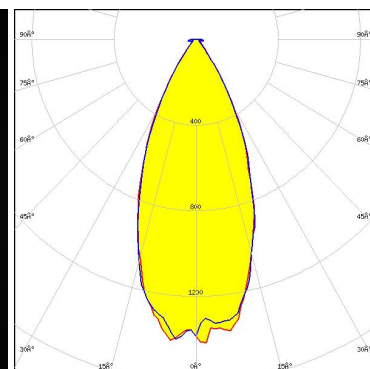
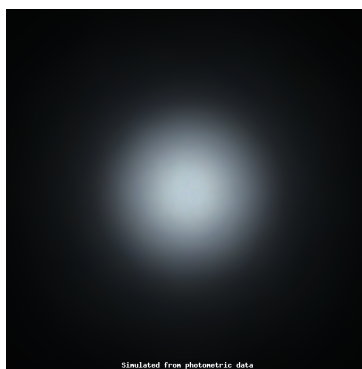
LED SST-12 Gen2
 FWHM / FWTM 49.0 + 50.0° / 76.0°
 Efficiency 96 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-20 Gen2
 FWHM / FWTM 44.0° / 74.0 + 75.0°
 Efficiency 96 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

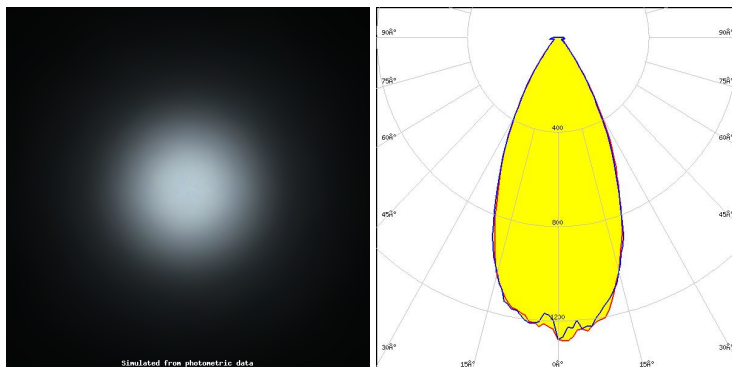


Light distribution files

OPTICAL RESULTS (SIMULATED):



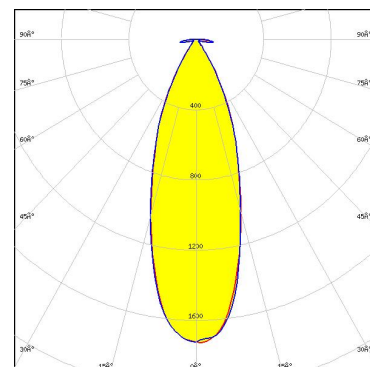
LED SST-25-W
 FWHM / FWTM 48.0° / 78.0°
 Efficiency 96 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



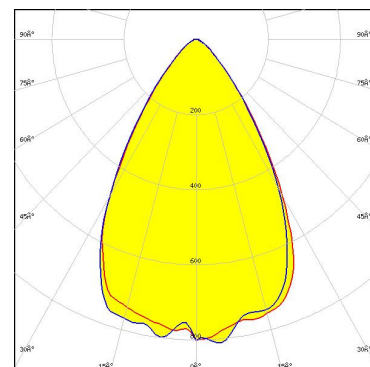
LED NCSxE17A
 FWHM / FWTM 35.0° / 68.0°
 Efficiency 95 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219F
 FWHM / FWTM 64.0° / 97.0°
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

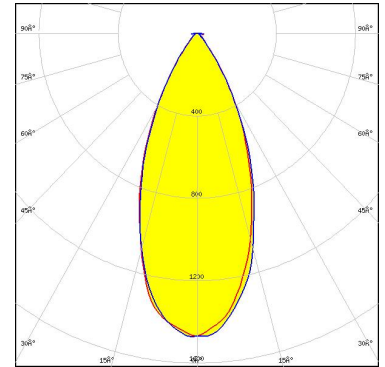


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

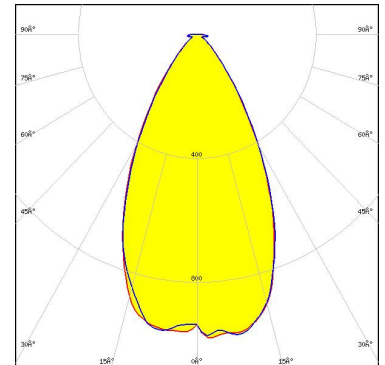
LED OSCONIQ C 2424 Gen1
FWHM / FWTM 44.0° / 76.0°
Efficiency 96 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

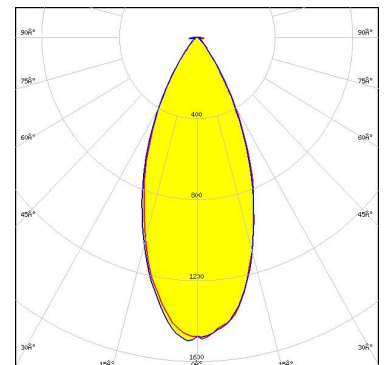
LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 55.0° / 90.0°
Efficiency 95 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ S 3030 (QSLMS2.EM)
FWHM / FWTM 44.0° / 76.0°
Efficiency 96 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

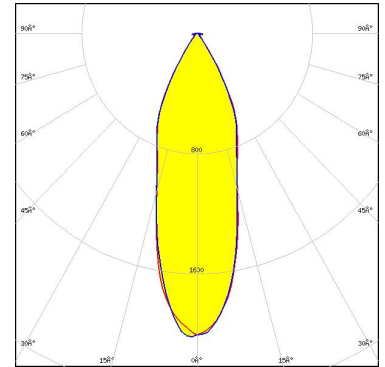


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

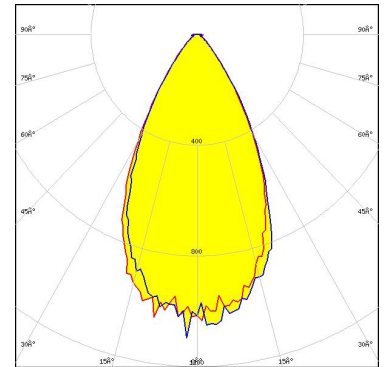
LED OSLON Pure 1414
FWHM / FWTM 32.0° / 68.0°
Efficiency 97 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

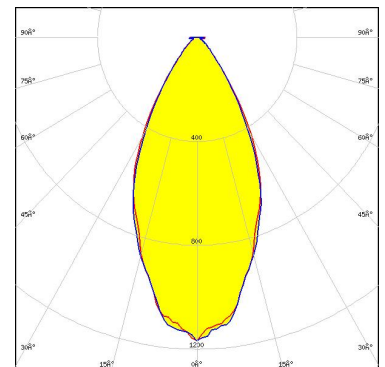
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 53.0° / 86.0°
Efficiency 95 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 51.0° / 84.0°
Efficiency 95 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

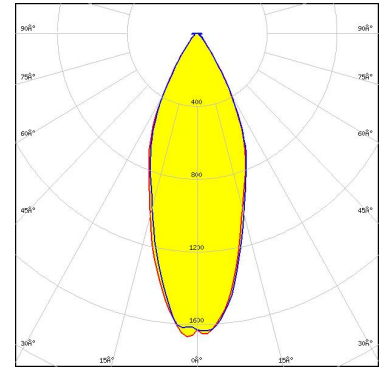


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

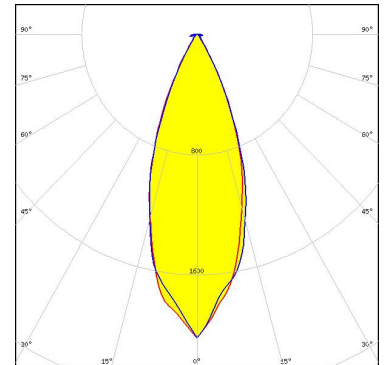
LED OSLON SSL 80
FWHM / FWTM 39.0° / 72.0°
Efficiency 96 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

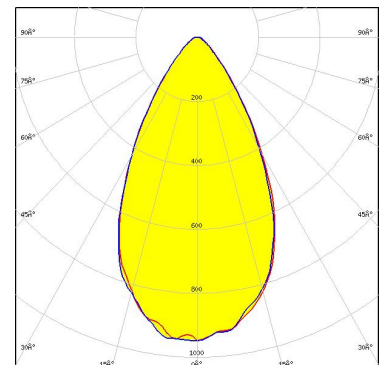
LED SFH 4715AS
FWHM / FWTM 38.0° / 61.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

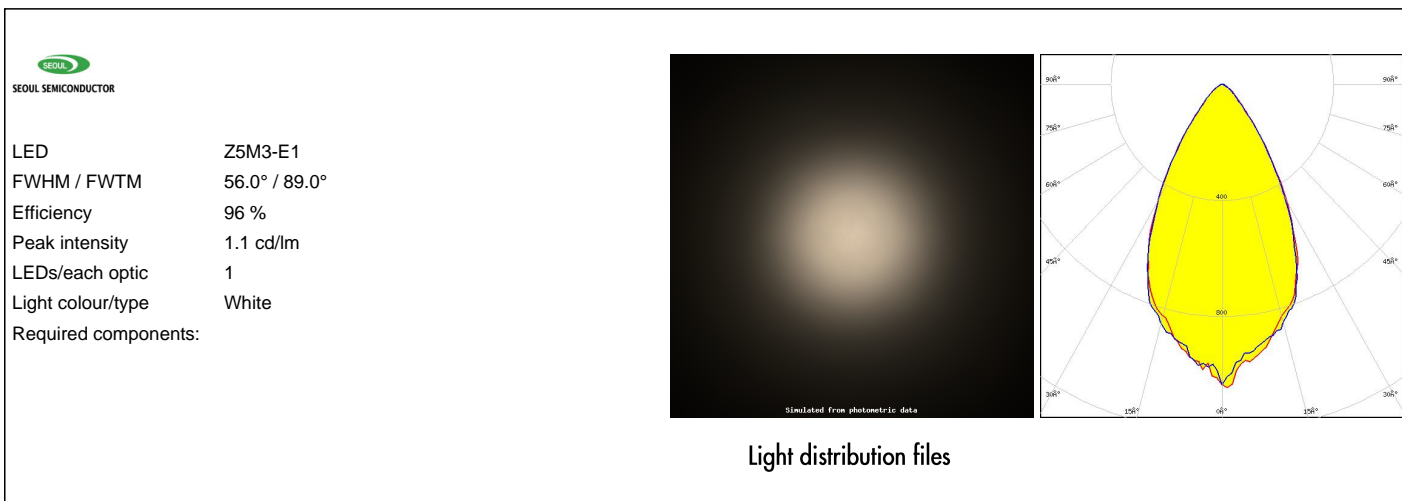
SAMSUNG

LED LH351B
FWHM / FWTM 57.0° / 93.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):



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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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

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