

LISA4-WW

~45° spot beam with integrated pins on lens

SPECIFICATION:

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

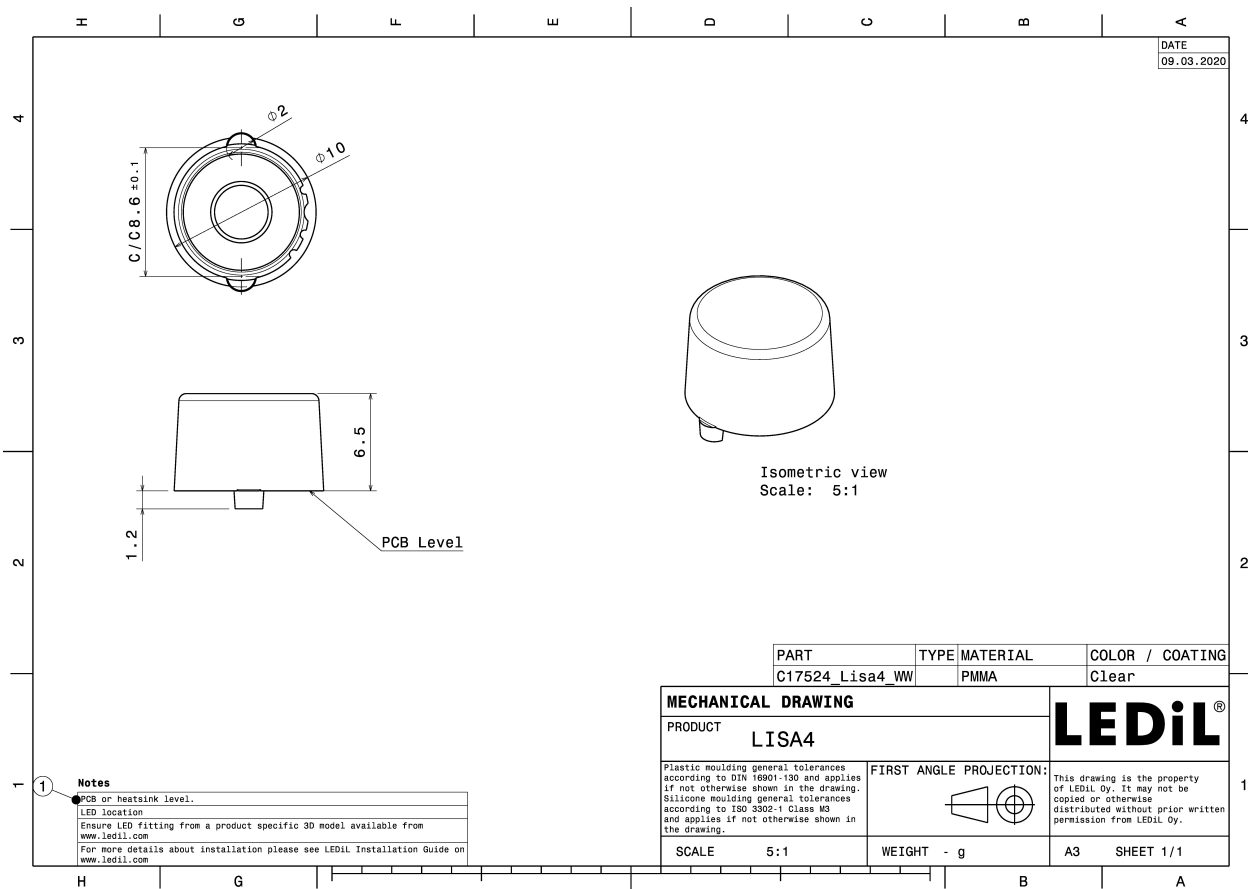
MATERIALS:

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



ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|------|------|-----------------|
| C17524_LISA4-WW » Box size: 430 x 390 x 215 mm | 20000 | 1000 | 1000 | 7.5 |

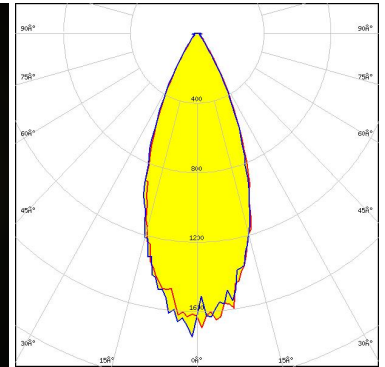


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (SIMULATED):



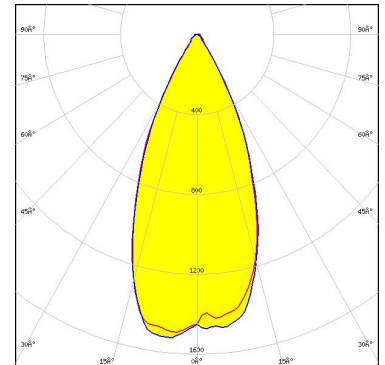
LED J Series 3030C
 FWHM / FWTM 42.0 + 40.0° / 69.0 + 68.0°
 Efficiency 96 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



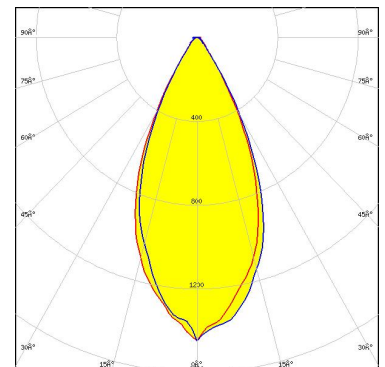
LED XP-E2
 FWHM / FWTM 45.0° / 70.0°
 Efficiency 95 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 47.0° / 74.0°
 Efficiency 95 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

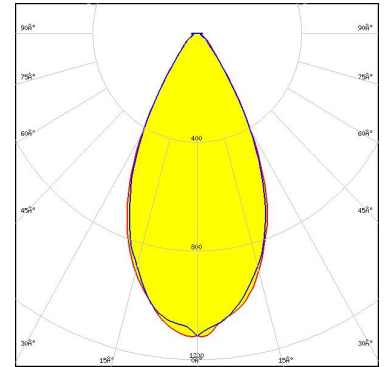


Light distribution files

OPTICAL RESULTS (SIMULATED):



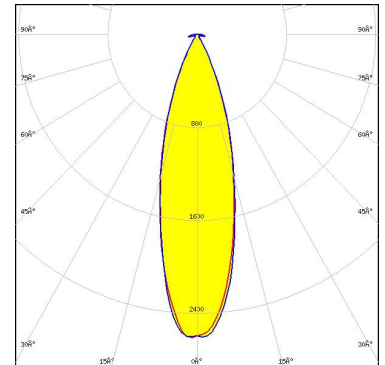
LED XP-G3
 FWHM / FWTM 52.0° / 84.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



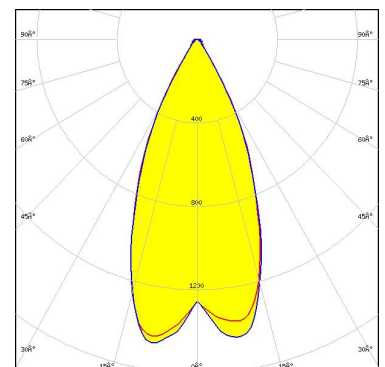
LED LUXEON HL1Z
 FWHM / FWTM 30.0° / 56.0° + 55.0°
 Efficiency 97 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rubix
 FWHM / FWTM 47.0° / 70.0°
 Efficiency 95 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

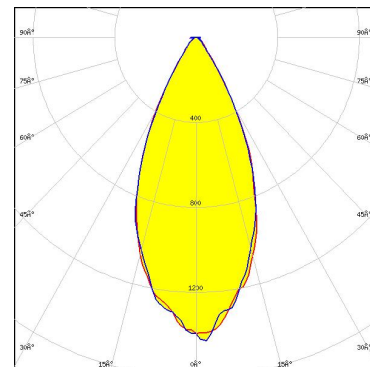


Light distribution files

OPTICAL RESULTS (SIMULATED):



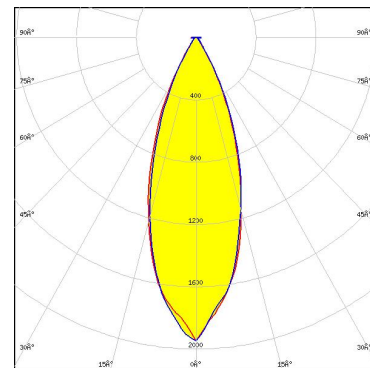
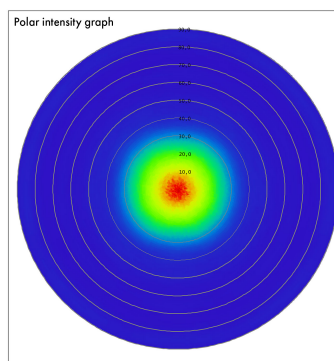
LED LUXEON TX
FWHM / FWTM 46.0° / 73.0°
Efficiency 95 %
Peak intensity 1.4 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



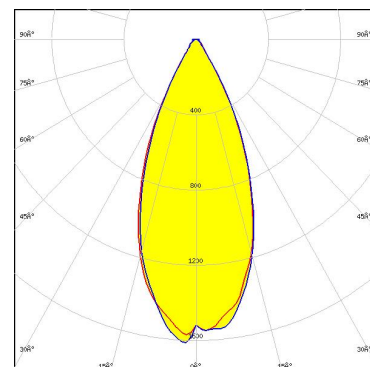
LED SST-10-IR-B90
FWHM / FWTM 36.0° / 64.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



LED SST-12 Gen1
FWHM / FWTM 44.0 + 43.0° / 70.0 + 69.0°
Efficiency 96 %
Peak intensity 1.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

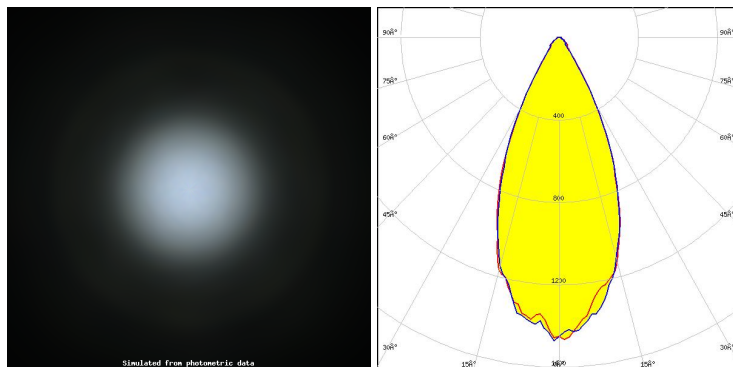


Light distribution files

OPTICAL RESULTS (SIMULATED):



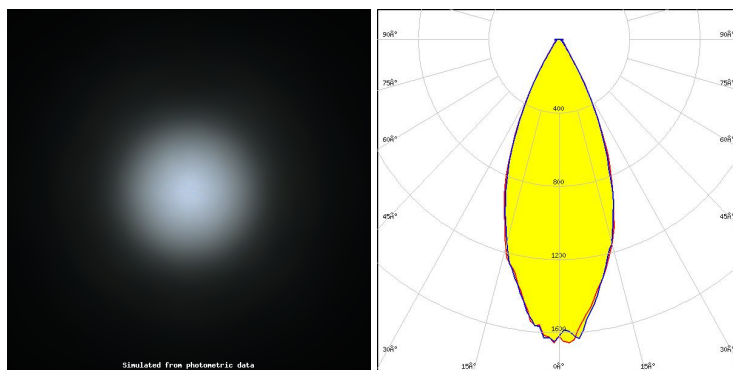
LED SST-12 Gen2
 FWHM / FWTM 46.0° / 72.0° + 71.0°
 Efficiency 96 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



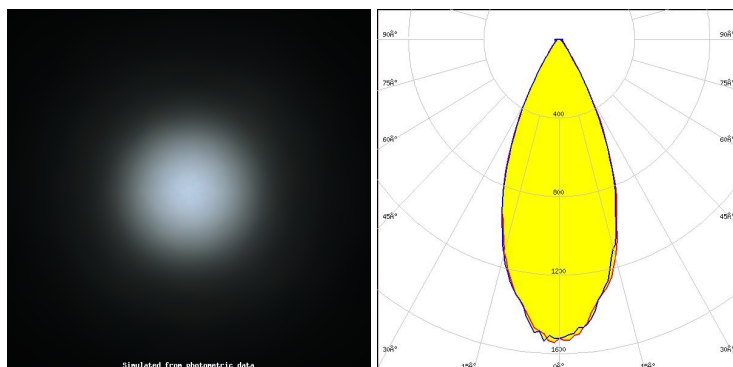
LED SST-20 Gen2
 FWHM / FWTM 43.0° + 42.0° / 68.0°
 Efficiency 96 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-25-W
 FWHM / FWTM 44.0° / 70.0°
 Efficiency 96 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

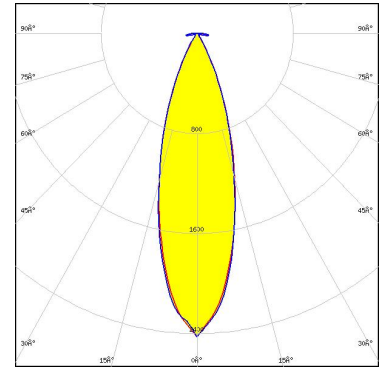


Light distribution files

OPTICAL RESULTS (SIMULATED):



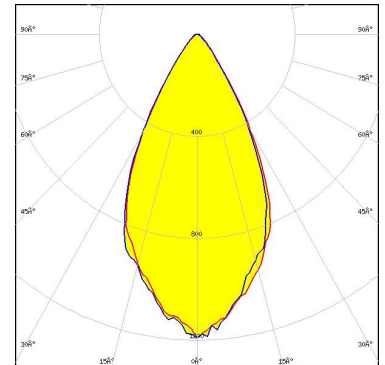
LED NCSxE17A
 FWHM / FWTM 30.0° / 56.0°
 Efficiency 95 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



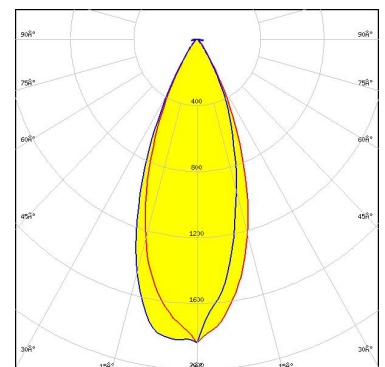
LED NVSW219F
 FWHM / FWTM 53.0° / 80.0°
 Efficiency 95 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Duris S5 (2 chip)
 FWHM / FWTM 39.0° / 66.0°
 Efficiency 95 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

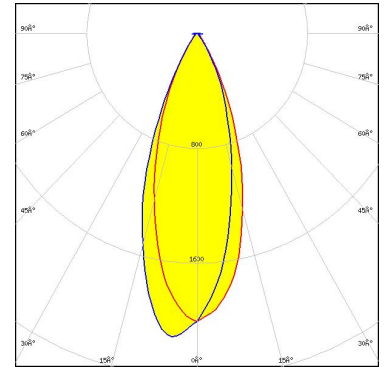


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

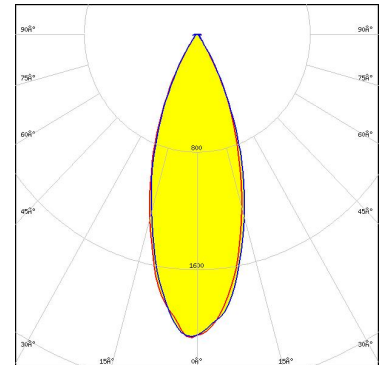
LED Duris S5 (Single chip)
FWHM / FWTM 36.0° / 64.0°
Efficiency 95 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

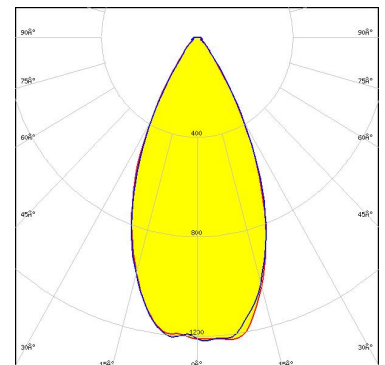
LED OSCONIQ C 2424
FWHM / FWTM 37.0° / 64.0°
Efficiency 96 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 50.0° / 78.0°
Efficiency 96 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

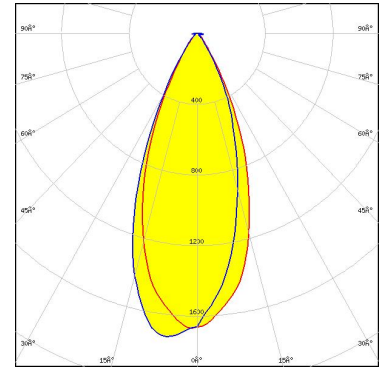


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

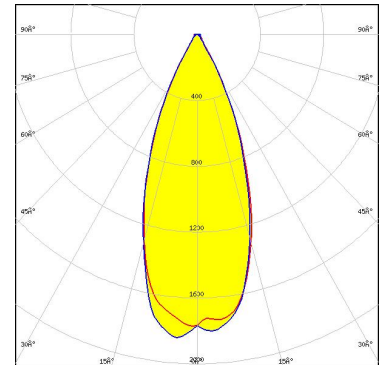
LED OSCONIQ S 3030 (QSLR31)
FWHM / FWTM 41.0° / 68.0°
Efficiency 95 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

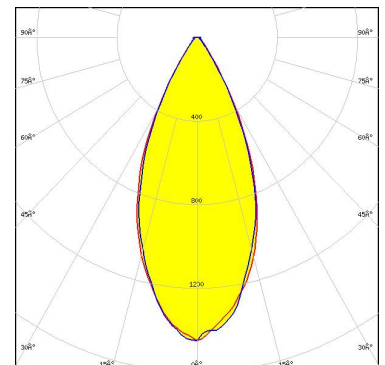
LED OSLO Pure 1414
FWHM / FWTM 42.0 + 40.0° / 64.0°
Efficiency 96 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3
FWHM / FWTM 46.0° / 73.0°
Efficiency 95 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

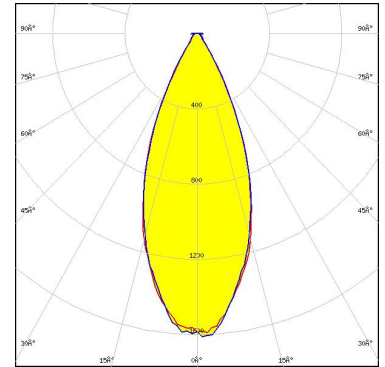


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

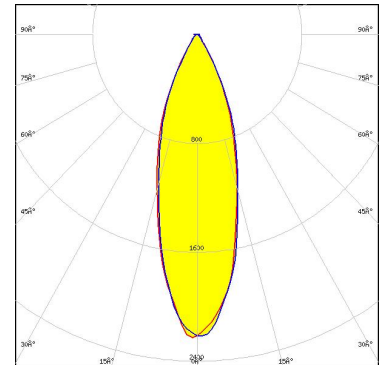
LED OSLON Square EC
FWHM / FWTM 42.0° / 68.0°
Efficiency 95 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

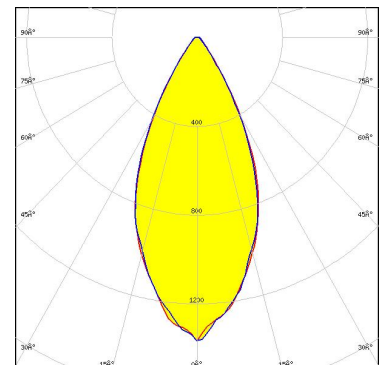
LED OSLON SSL 80
FWHM / FWTM 32.0° / 63.0°
Efficiency 95 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 47.0° / 76.0°
Efficiency 95 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

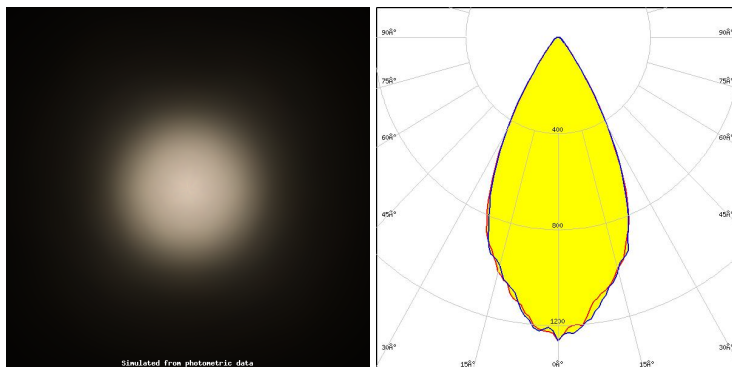


Light distribution files

OPTICAL RESULTS (SIMULATED):



| | |
|----------------------|----------------------|
| LED | Z5M3-E1 |
| FWHM / FWTM | 52.0° / 77.0 + 78.0° |
| Efficiency | 96 % |
| Peak intensity | 1.3 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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LEDiL Oy

Joensuunkatu 7
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

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