

LISA2-WW-PIN

~45° wide beam. 7.0 mm high variant with location pin installation.

SPECIFICATION:

Dimensions	Ø 9.9
Height	7 mm
Fastening	glue, pin
ROHS compliant	yes 

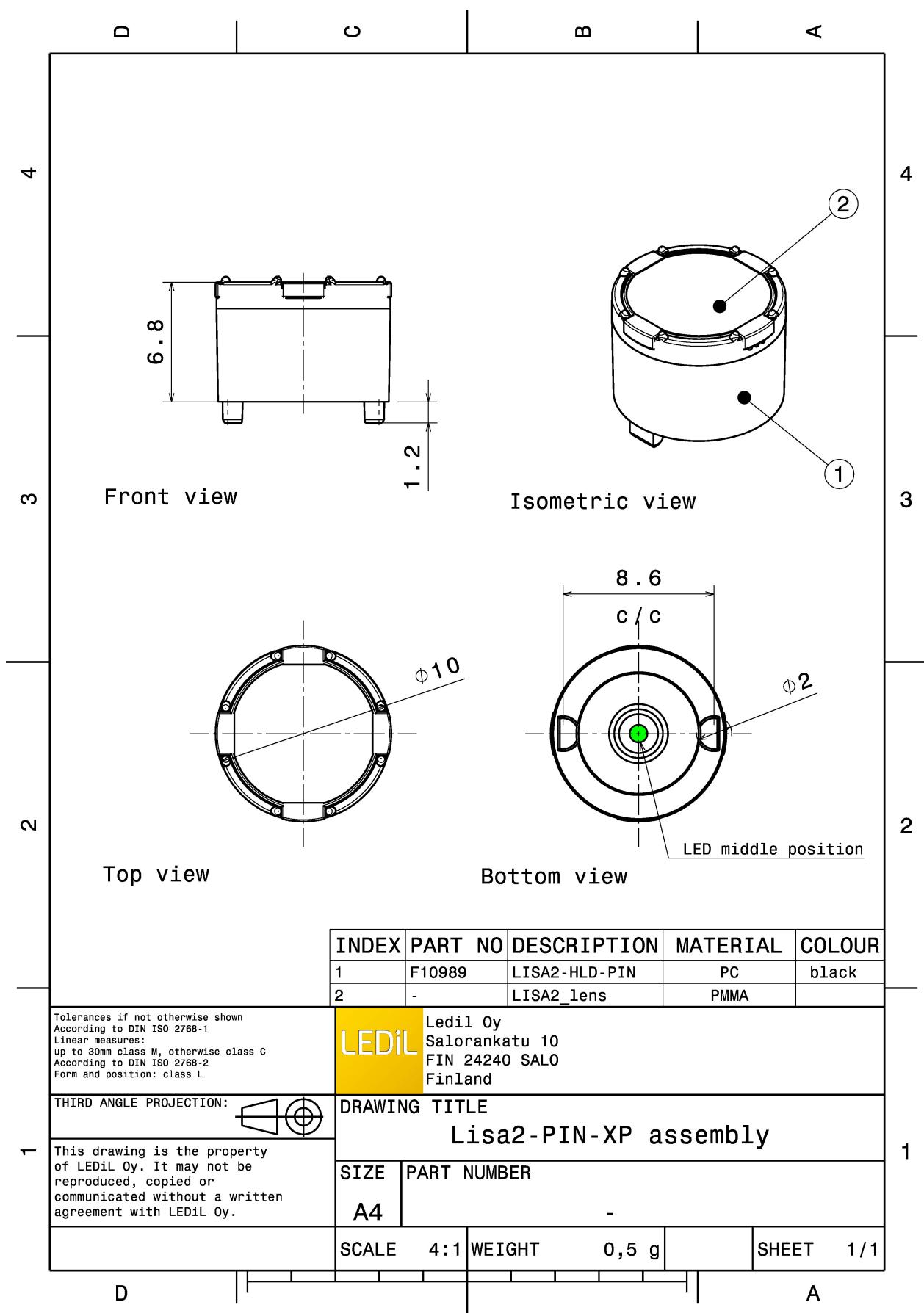


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA2-WW	Single lens	PMMA	clear		
LISA2-HLD-PIN	Holder	PC	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)	
FP10997_LISA2-WW-PIN » Box size: 310 x 230 x 60 mm	Single lens	2000	300	100	1.4

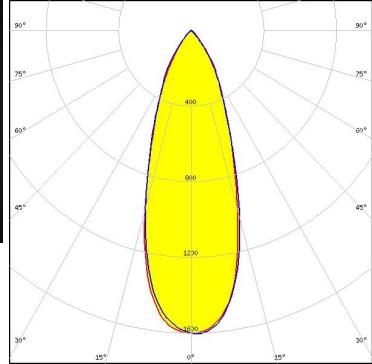
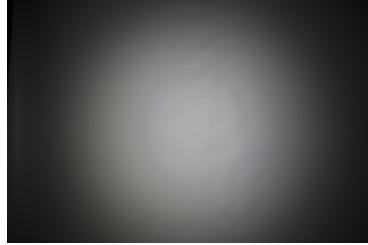


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



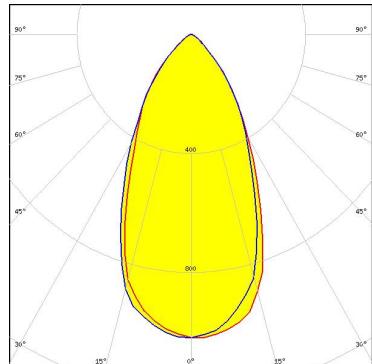
LED XD16
 FWHM / FWTM 35.0° / 72.0°
 Efficiency 78 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



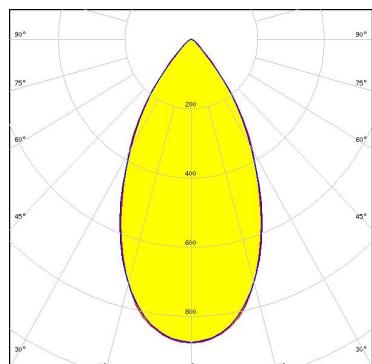
LED XP-E
 FWHM / FWTM 42.0° / 78.0°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G
 FWHM / FWTM 54.0° / 88.0°
 Efficiency 90 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

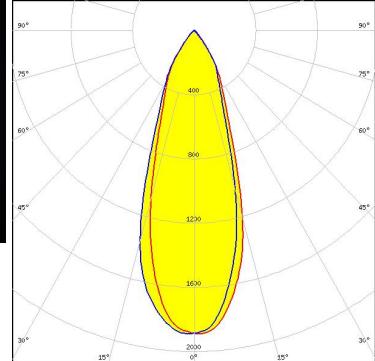


Light distribution files

OPTICAL RESULTS (MEASURED):



LED LUXEON C
FWHM / FWTM 34.0° / 72.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

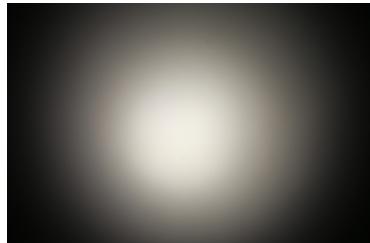


LED LUXEON Rebel ES
FWHM / FWTM 56.0° / 88.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED LUXEON Z
FWHM / FWTM 28.0° / 70.0°
Efficiency 87 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

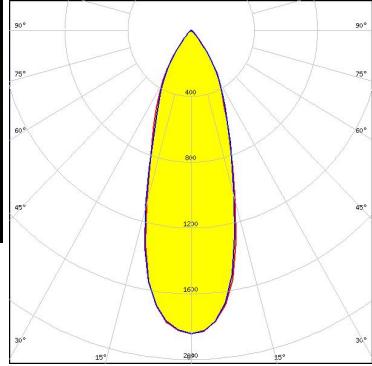
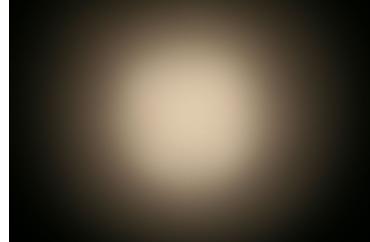


Light distribution files

OPTICAL RESULTS (MEASURED):



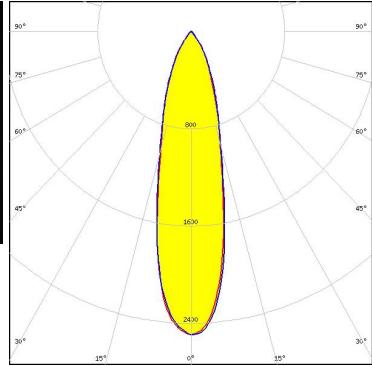
LED LUXEON Z ES
 FWHM / FWTM 35.0° / 73.0°
 Efficiency 88 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NCSxE17A
 FWHM / FWTM 25.0° / 62.0°
 Efficiency 82 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SFH 4170S
 FWHM / FWTM 25.0° / 69.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type IR
 Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED SFH 4180S

FWHM / FWTM 25.0° / 68.0°

Efficiency %

LEDs/each optic 1

Light colour/type IR

Required components:

Light distribution files

SAMSUNG

LED LH181B

FWHM / FWTM 34.0° / 69.0°

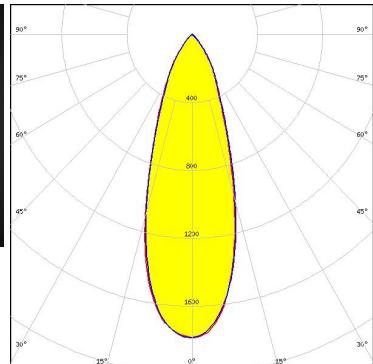
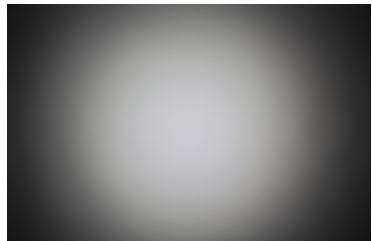
Efficiency 81 %

Peak intensity 1.8 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

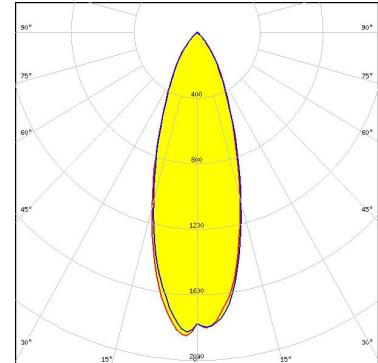


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CSP 2323 (BXCP)
 FWHM / FWTM 34.0° / 72.0°
 Efficiency 86 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

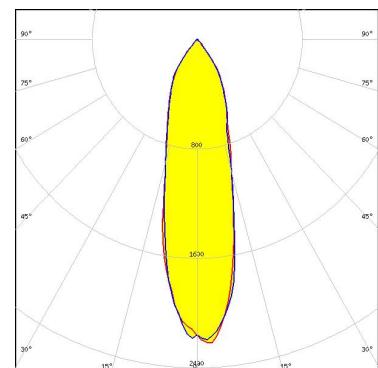


LED XQ-E HD
 FWHM / FWTM 72.0° / 99.0°
 Efficiency 90 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED XQ-E HI
 FWHM / FWTM 27.0° / 72.0°
 Efficiency 89 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

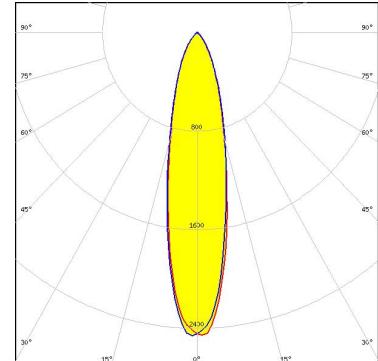


Light distribution files

OPTICAL RESULTS (SIMULATED):



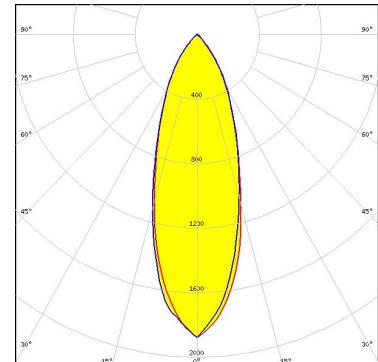
LED LUXEON IR 2720
FWHM / FWTM 24.0° / 60.0°
Efficiency 74 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



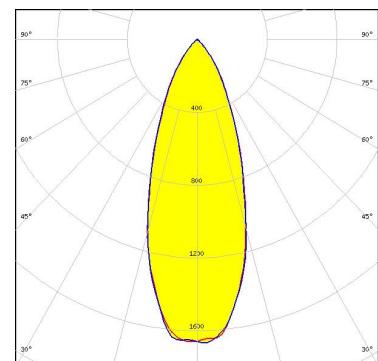
LED LUXEON IR 2720
FWHM / FWTM 35.0° / 75.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



LED NVSxE21A
FWHM / FWTM 37.0° / 75.0°
Efficiency 88 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

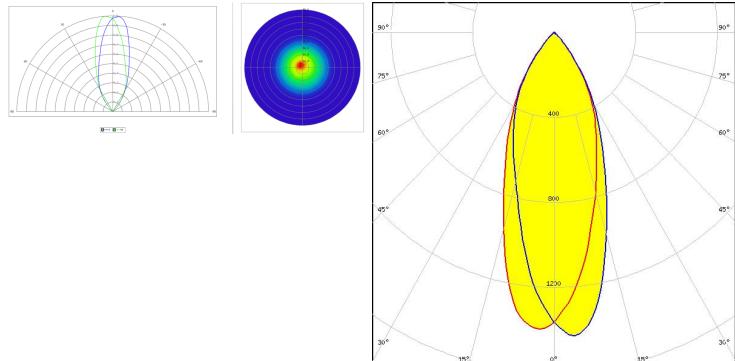


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

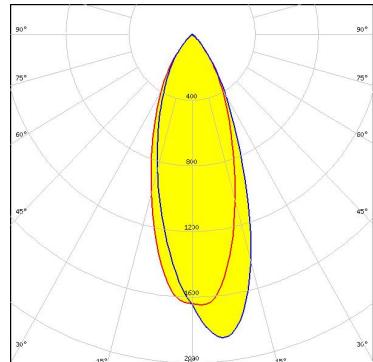
LED SFH 4170S
FWHM / FWTM 36.0° / 78.0°
Efficiency 80 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 34.0° / 75.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SHARP

LED Double Dome (GM2BB)
FWHM / FWTM 60.0°
Efficiency %
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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