

LISA2-O-PIN

~45° x 20° oval beam. 7.13 mm high variant with location pin installation.

SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	6.8 mm
Fastening	pin
ROHS compliant	yes ⓘ

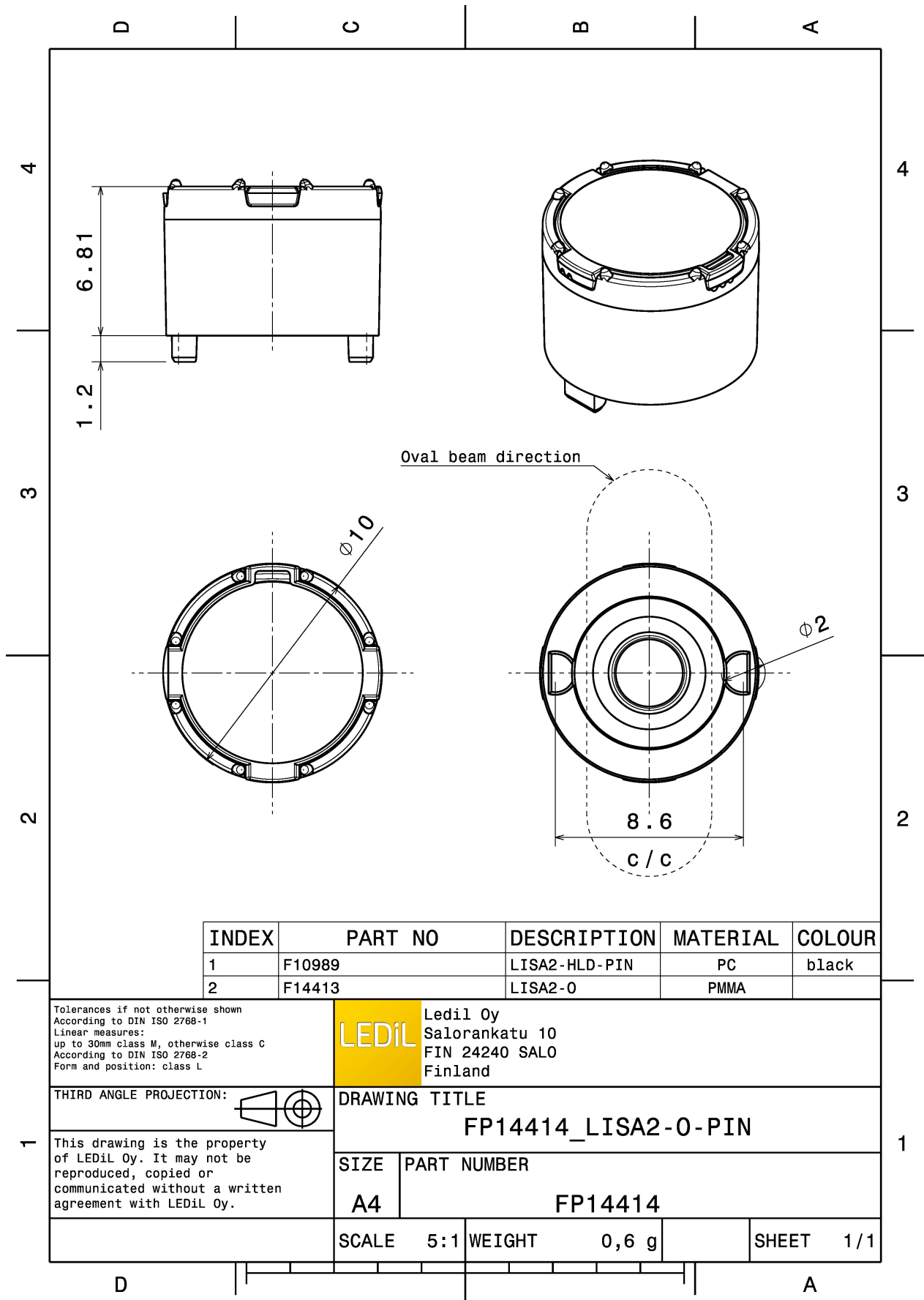


MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA2-O	Single lens	PMMA	clear		
LISA2-HLD-PIN	Holder	PC	black		9.9

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP14414_LISA2-O-PIN	Single lens	2000		100	1.4
» Box size:					

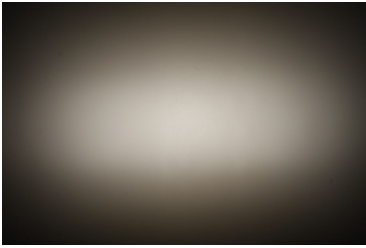
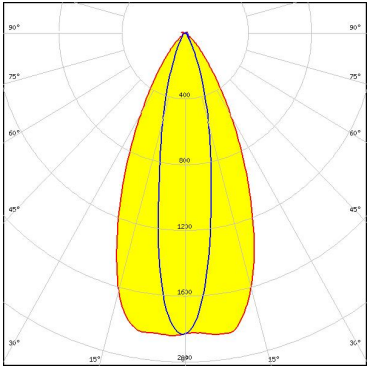


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

NICHIA


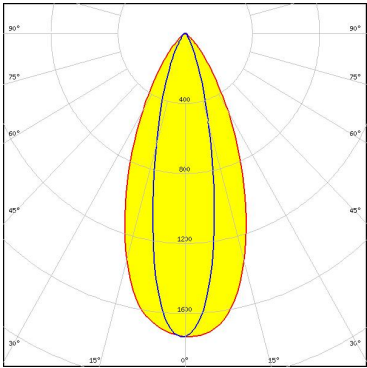
LED	NCSxx19B
FWHM / FWTM	49.0 + 21.0° / 80.0 + 48.0°
Efficiency	77 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

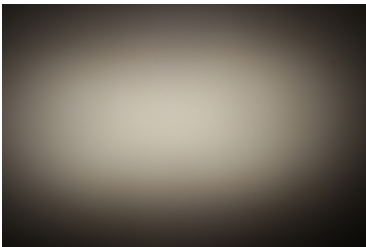
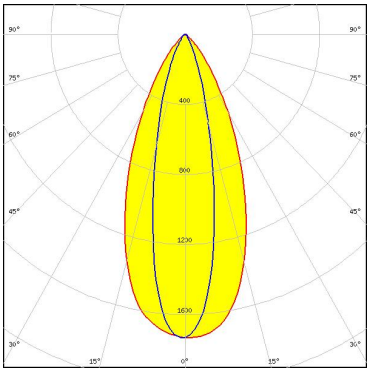
LED	OSLON Square EC
FWHM / FWTM	47.0 + 25.0° / 82.0 + 52.0°
Efficiency	75 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	47.0 + 25.0° / 82.0 + 52.0°
Efficiency	75 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

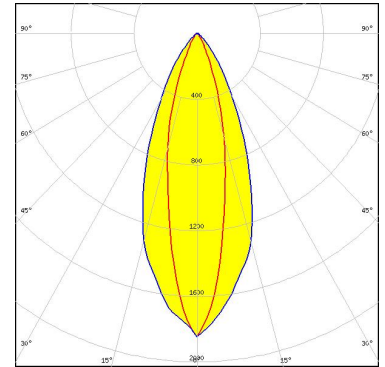



Light distribution files

OPTICAL RESULTS (SIMULATED):



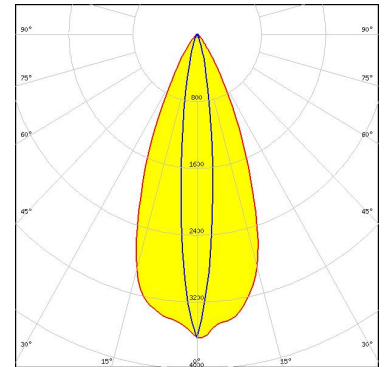
LED CSP 2323 (BXCP)
FWHM / FWTM 23.0 + 42.0° / 51.0 + 78.0°
Efficiency 75 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



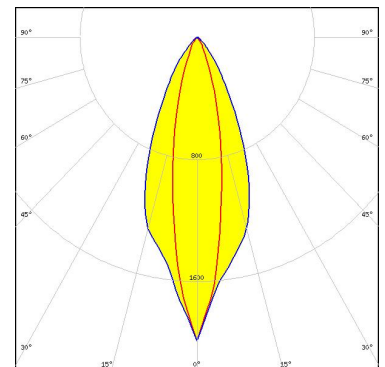
LED XQ-E HI
FWHM / FWTM 43.0 + 13.0° / 69.0 + 30.0°
Efficiency 86 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON IR 2720
FWHM / FWTM 20.0 + 42.0° / 46.0 + 76.0°
Efficiency 72 %
LEDs/each optic 1
Light colour/type IR
Required components:

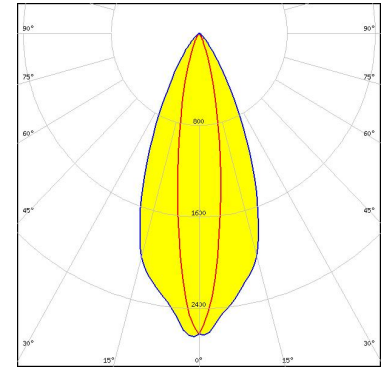


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON IR 2720
FWHM / FWTM 17.0 + 43.0° / 40.0 + 72.0°
Efficiency 84 %
LEDs/each optic 1
Light colour/type IR
Required components:



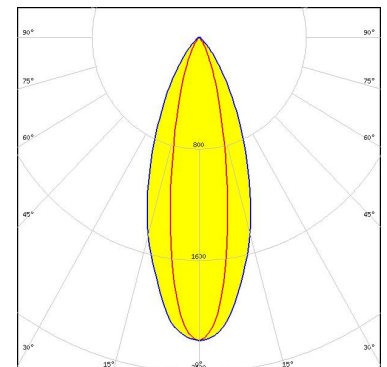
Light distribution files



LED LUXEON IR Compact
FWHM / FWTM 41.0 + 15.0° / 69.0 + 34.0°
Efficiency 77 %
LEDs/each optic 1
Light colour/type White
Required components:




LED LUXEON TX
FWHM / FWTM 22.0 + 40.0° / 50.0 + 76.0°
Efficiency 82 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

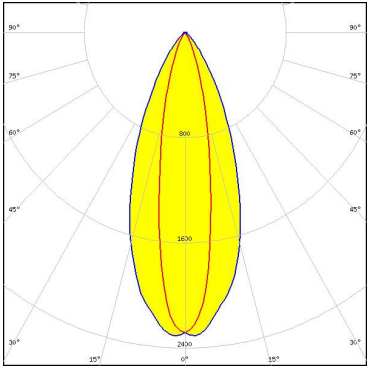


Light distribution files


OPTICAL RESULTS (SIMULATED):



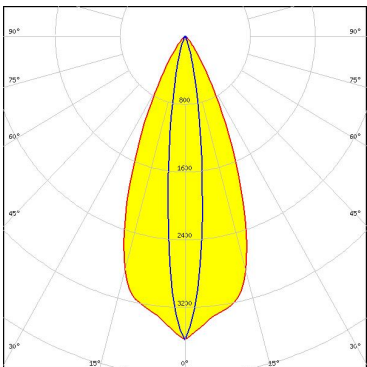
LED SST-20
 FWHM / FWTM 20.0 + 42.0° / 46.0 + 76.0°
 Efficiency 82 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:




Light distribution files



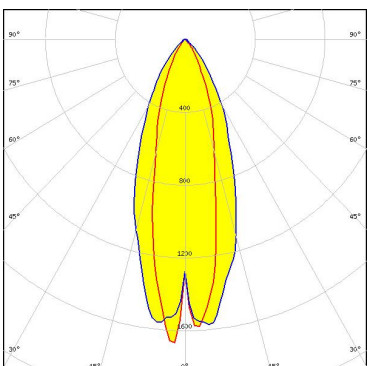
LED OSLO Pure 1414
 FWHM / FWTM 44.0 + 14.0° / 68.0 + 31.0°
 Efficiency 87 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22P
 FWHM / FWTM 40.0 + 25.0° / 81.0 + 58.0°
 Efficiency 75 %
 Peak intensity 1.7 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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