

LISA2-O-PIN

~45° x 20° oval beam. 6.8 mm high variant with location pin installation.

SPECIFICATION:

Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

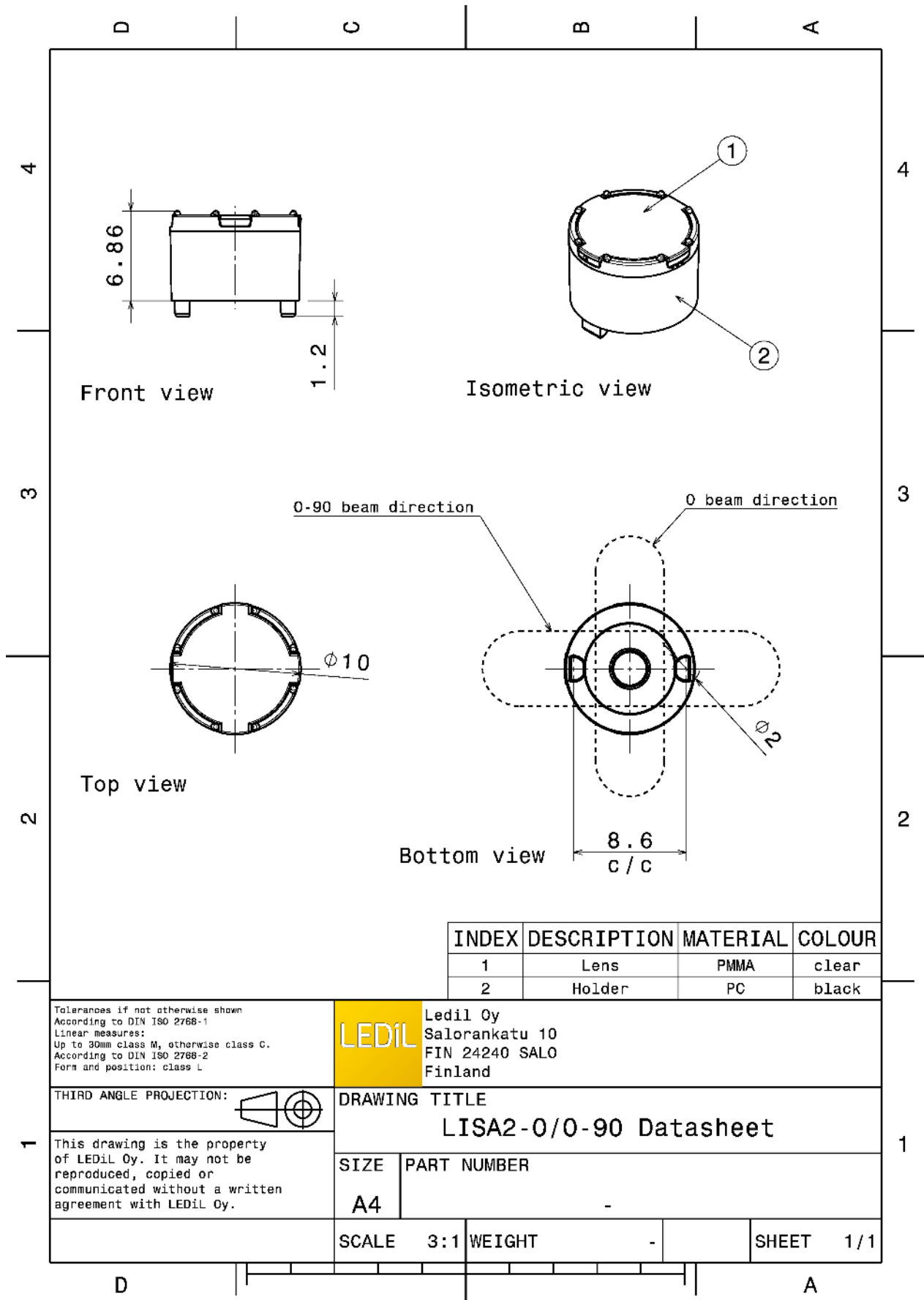


MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11125_LISA2-O-PIN	Single lens	2000	300	100	1.4
» Box size:					

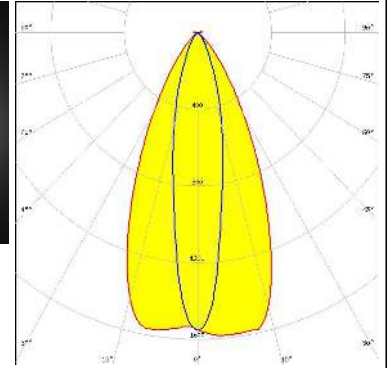


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

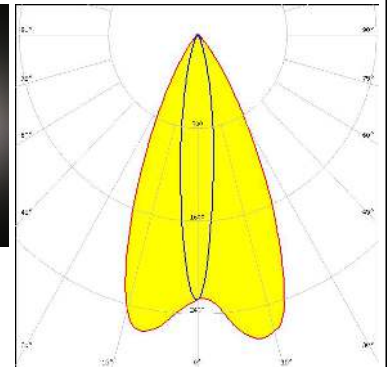
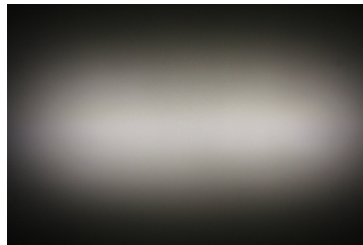
CREE → LED

LED XD16
 FWHM / FWTM 50.0 + 20.0° / 80.0 + 51.0°
 Efficiency 66 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



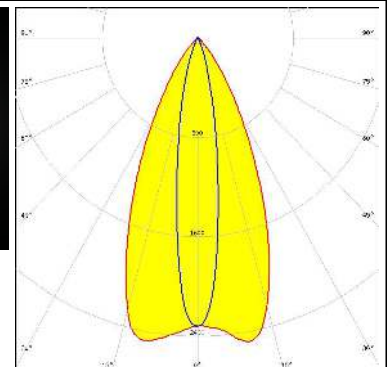
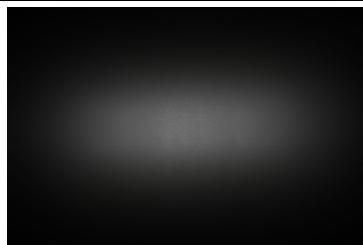
CREE → LED

LED XP-G
 FWHM / FWTM 46.0 + 24.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour White
 Required components:



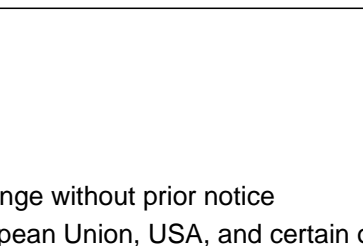
CREE → LED

LED XQ-E HI
 FWHM / FWTM 15.0 + 52.0° / 37.0 + 76.0°
 Efficiency 77 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

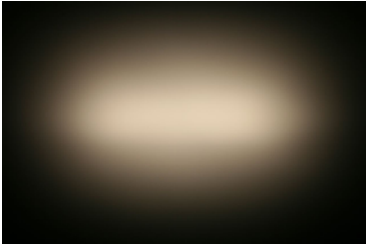
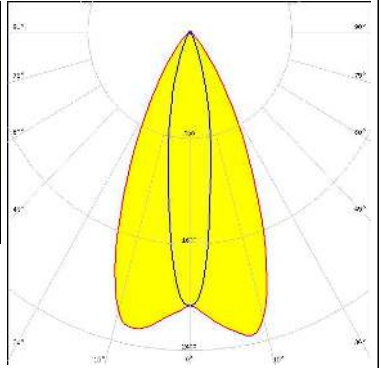

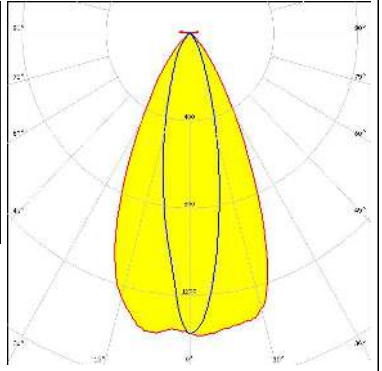


LUMILEDS

LED LUXEON C
 FWHM / FWTM 50.0 + 17.0° / 78.0 + 38.0°
 Efficiency 81 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



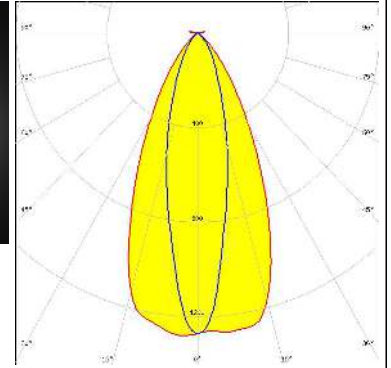
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 50.0 + 19.0° / 78.0 + 44.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 2.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NCSxE17A</p> <p>FWHM / FWTM 51.0 + 22.0° / 81.0 + 55.0°</p> <p>Efficiency 64 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4170S</p> <p>FWHM / FWTM 46.0 + 14.0° / 74.0 + 39.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4180S</p> <p>FWHM / FWTM 46.0 + 13.0° / 72.0 + 37.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LH181B
FWHM / FWTM 50.0 + 24.0° / 84.0 + 63.0°
Efficiency 65 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



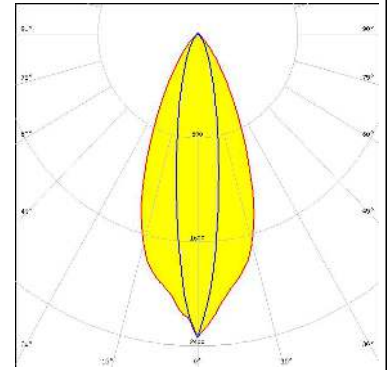
SHARP

LED Double Dome (GM2BB)
FWHM / FWTM 10.0 + 32.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):



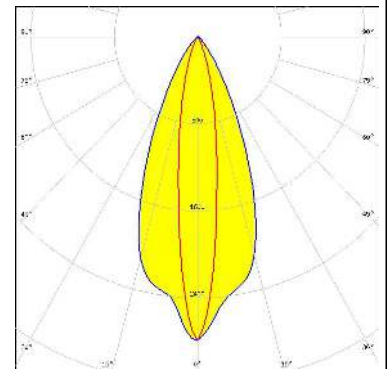
LED J Series 2835
 FWHM / FWTM 43.0 + 17.0° / 76.0 + 47.0°
 Efficiency 79 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



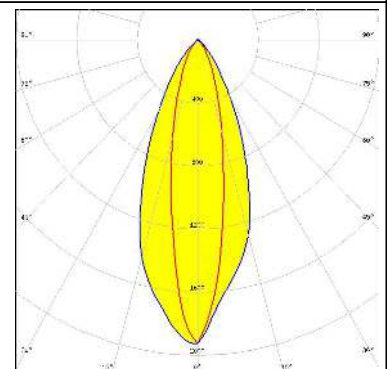
LED XQ-E HD
 FWHM / FWTM 13.0 + 40.0° / 32.0 + 69.0°
 Efficiency 86 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



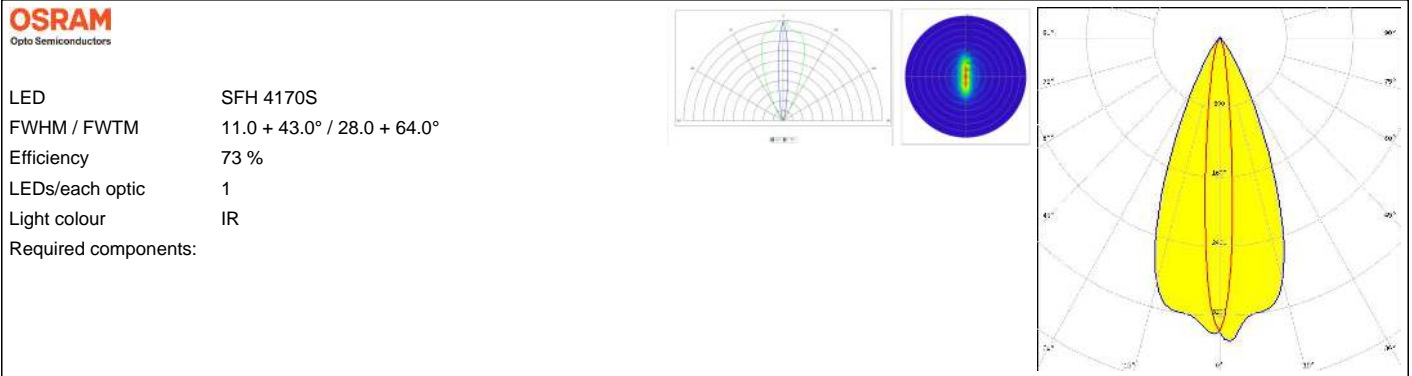
LED LUXEON IR 2720
 FWHM / FWTM 15.0 + 42.0° / 39.0 + 70.0°
 Efficiency 82 %
 LEDs/each optic 1
 Light colour IR
 Required components:



LED Duris S5 (2 chip)
 FWHM / FWTM 20.0 + 42.0° / 56.0 + 78.0°
 Efficiency 78 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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 13
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

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

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