

## LISA2-O-PIN

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

### TECHNICAL SPECIFICATIONS:

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

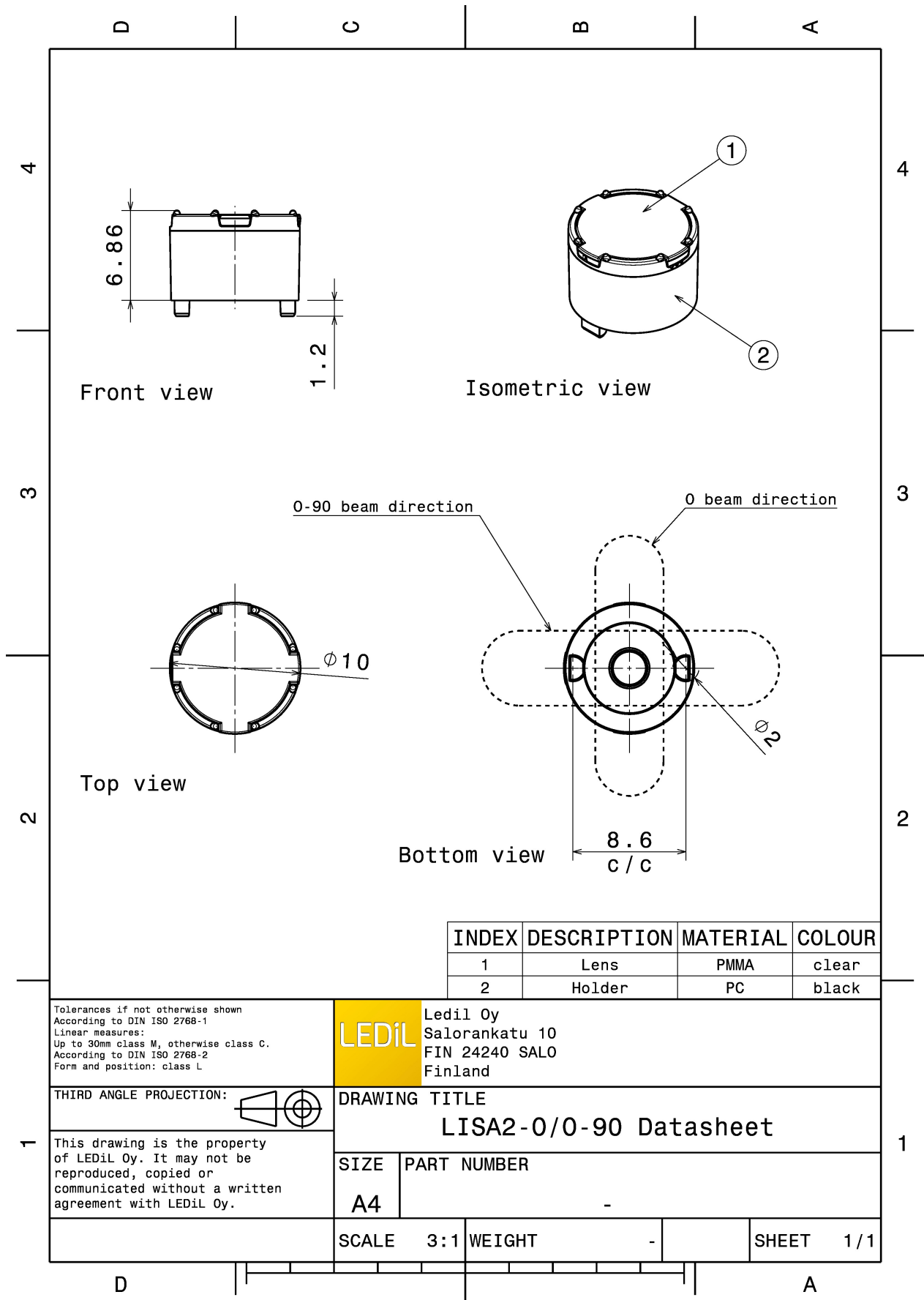


### MATERIAL SPECIFICATIONS:

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:					



INDEX	DESCRIPTION	MATERIAL	COLOUR
1	Lens	PMMA	clear
2	Holder	PC	black

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L



Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**LISA2-0/0-90 Datasheet**

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SIZE	PART NUMBER
A4	-

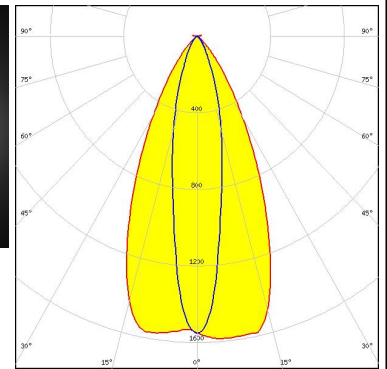
SCALE	3:1	WEIGHT	-	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### PHOTOMETRIC DATA (MEASURED):

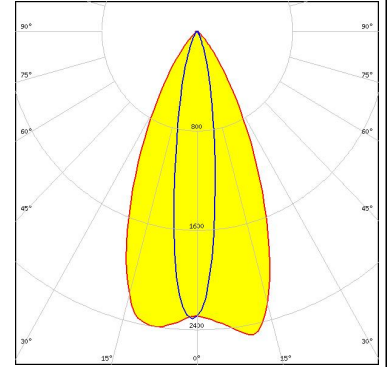
##### CREE → LED

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-E  
 FWHM / FWTM 18.0 + 48.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

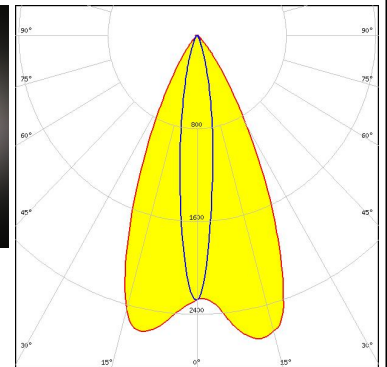
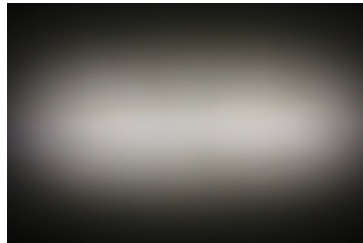


##### CREE → LED


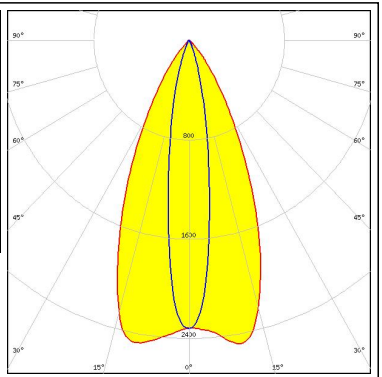

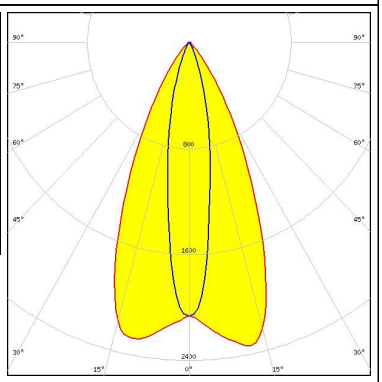

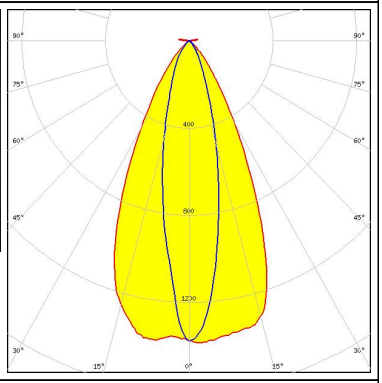


LED XP-G  
 FWHM / FWTM 46.0 + 24.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

##### 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:



#### PHOTOMETRIC DATA (MEASURED):

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

### PHOTOMETRIC DATA (MEASURED):

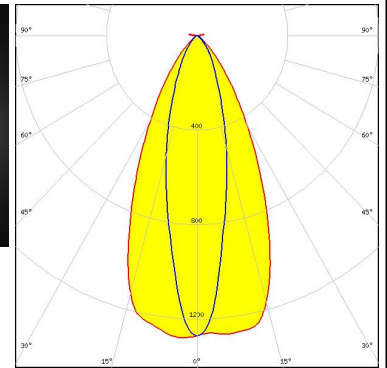
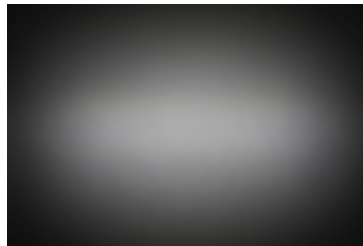
#### OSRAM

Opto Semiconductors

LED SFH 4180S  
FWHM / FWTM 46.0 + 13.0° / 72.0 + 37.0°  
Efficiency %  
LEDs/each optic 1  
Light colour IR  
Required components:

#### 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:



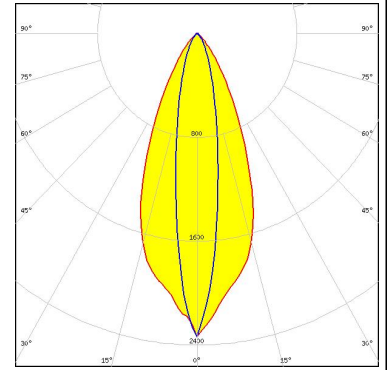
#### SHARP

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

### PHOTOMETRIC DATA (SIMULATED):



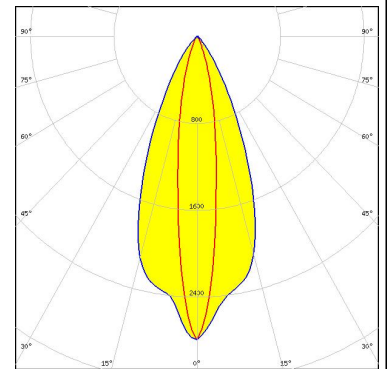
LED J Series 2835  
 FWHM / FWTM 43.0 + 17.0° / 76.0 + 47.0°  
 Efficiency 79 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



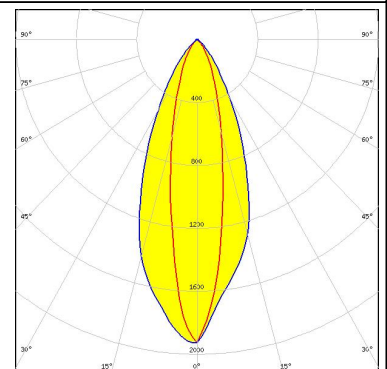
LED XQ-E HD  
 FWHM / FWTM 13.0 + 40.0° / 32.0 + 69.0°  
 Efficiency 86 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



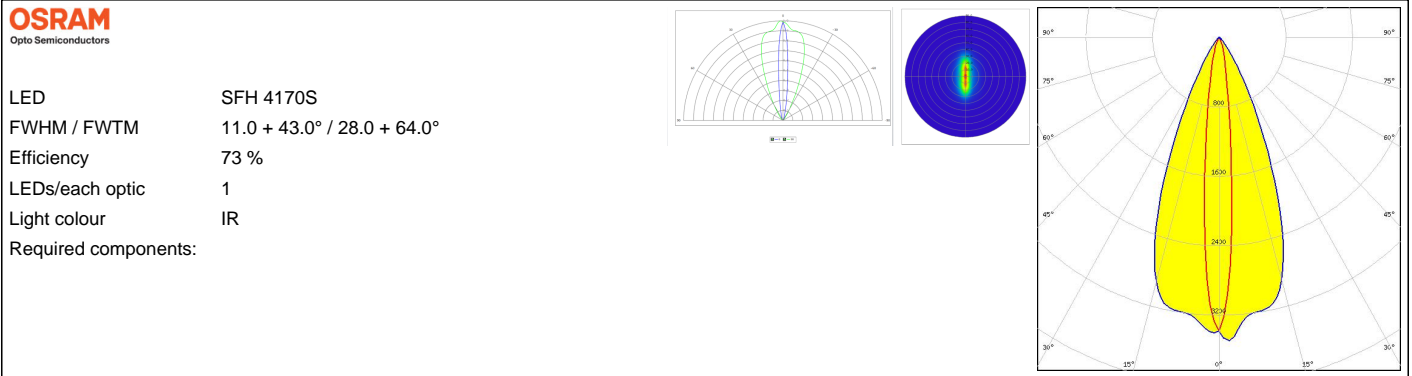
LED LUXEON IR 2720  
 FWHM / FWTM 15.0 + 42.0° / 39.0 + 70.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



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:



### PHOTOMETRIC DATA (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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[CA16435\\_LXP2-SS-WAS](#) [CN16210\\_GABRIELLA-MIDI-W](#) [CP17137\\_CARMEN-M2-C](#) [CA16015\\_STRADA-SQ-SCL](#) [CP17594\\_TINA-SC-](#)  
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