

LISA2-O-PIN

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

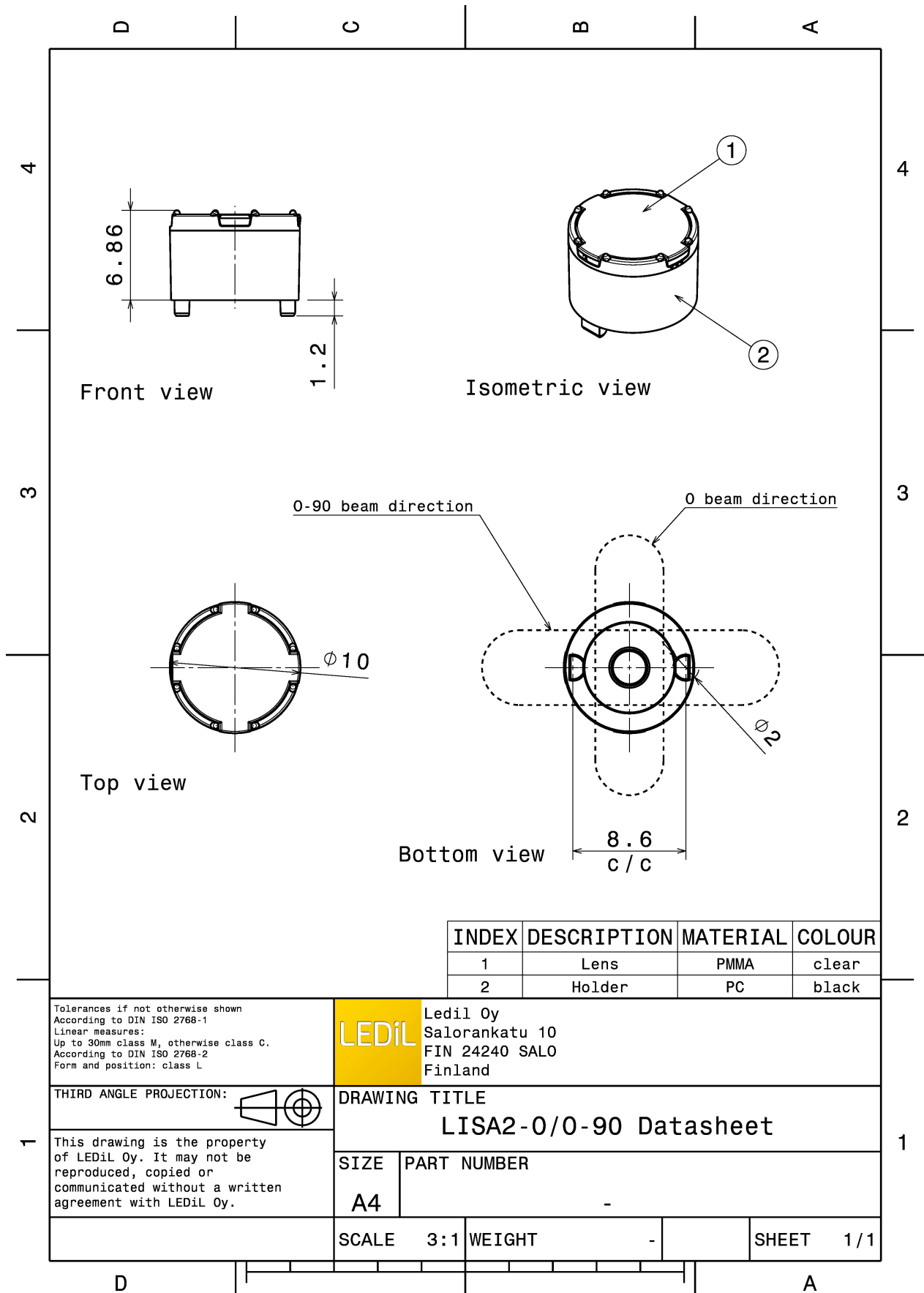
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, pin
Colour	black
Box size	
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

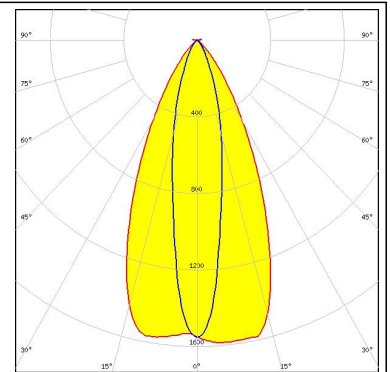
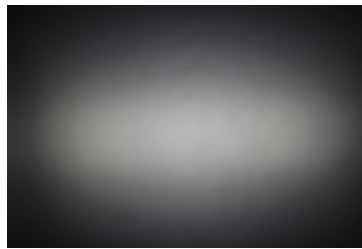
Component	Type	Material	Colour
LISA2-O-XP	Single lens	PMMA	
LISA2-HLD-PIN	Holder	PC	



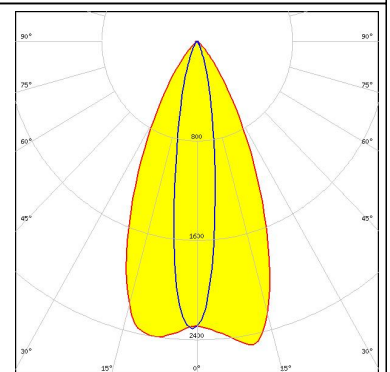
PHOTOMETRIC DATA (MEASURED):



LED XD16
 FWHM 50.0 + 20.0°
 Efficiency 66 %
 Peak intensity 1.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



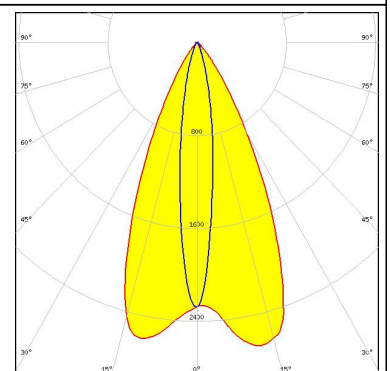
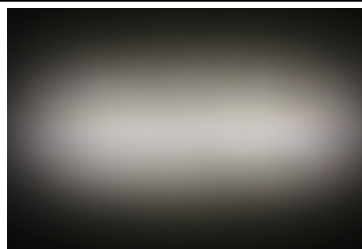
LED XP-E
 FWHM 18.0 + 48.0°
 Efficiency 83 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



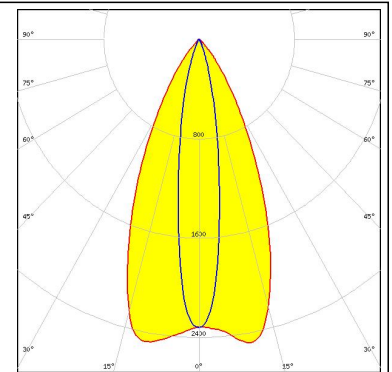
LED XQ-E HI
 FWHM 15.0 + 52.0°
 Efficiency 77 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

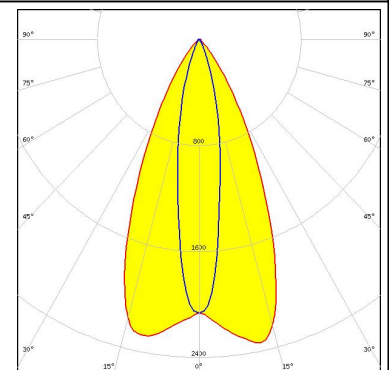
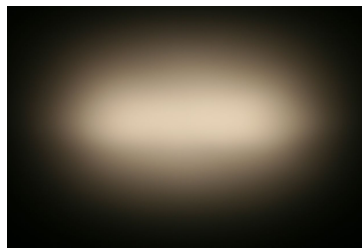
LUMILEDS

LED LUXEON C
 FWHM 50.0 + 17.0°
 Efficiency 81 %
 Peak intensity 2.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



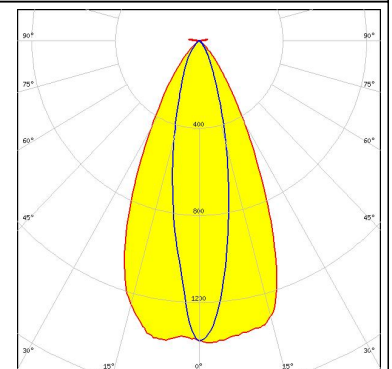
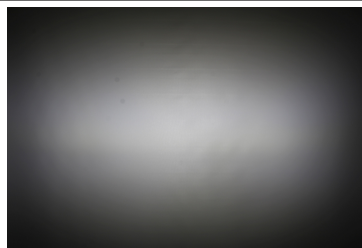
LUMILEDS

LED LUXEON Z ES
 FWHM 50.0 + 19.0°
 Efficiency 79 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



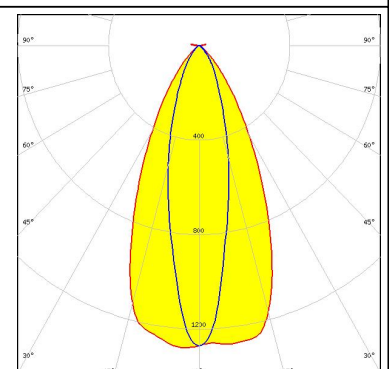
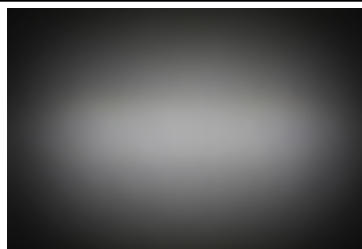
NICHIA

LED NCSxE17A
 FWHM 51.0 + 22.0°
 Efficiency 64 %
 Peak intensity 1.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LH181B
 FWHM 50.0 + 24.0°
 Efficiency 65 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

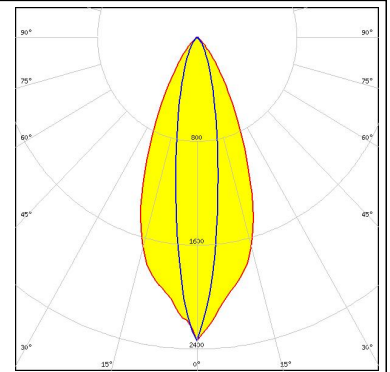
SHARP

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

PHOTOMETRIC DATA (SIMULATED):

CREE 

LED J Series 2835
FWHM 43.0 + 17.0°
Efficiency 79 %
Peak intensity 2.340 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

LED XQ-E HD
FWHM 13.0 + 40.0°
Efficiency 86 %
Peak intensity 3.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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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