

LISA2-O-PIN

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

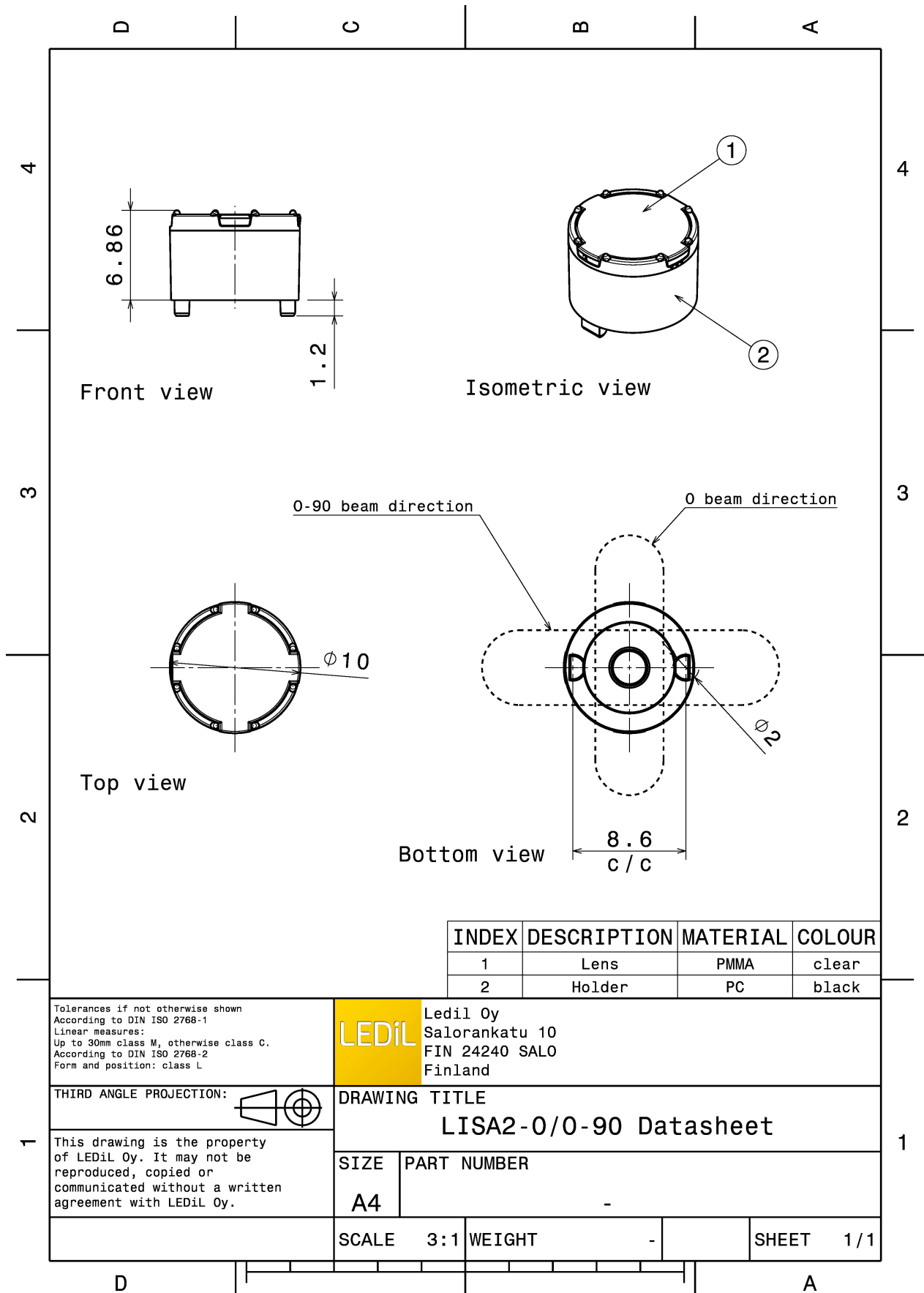
TECHNICAL SPECIFICATIONS:

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:

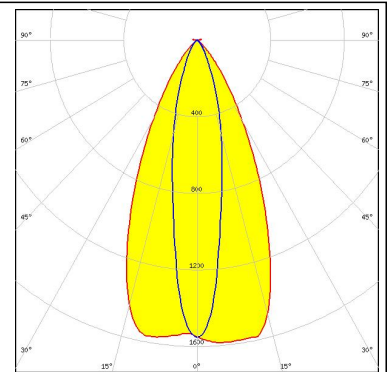
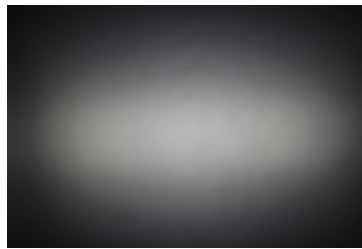
Component	Type	Material	Colour
LISA2-O-XP	Lens	PMMA	clear
LISA2-HLD-PIN	Holder	PC	black



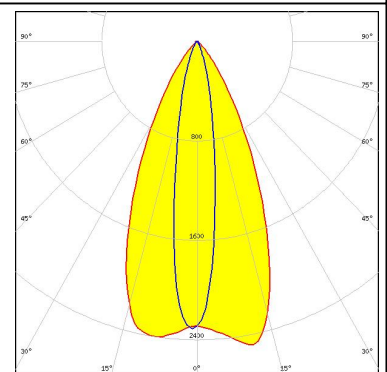
PHOTOMETRIC DATA (MEASURED):



LED XD16
 FWHM 50.0 + 20.0°
 Efficiency 66 %
 Peak intensity 1.600 cd/lm
 Required components:



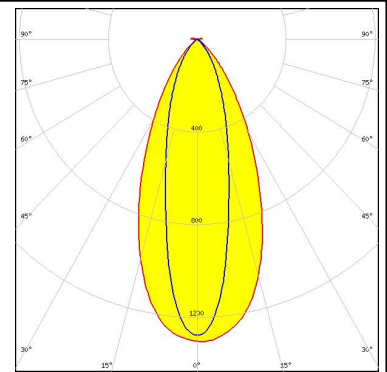
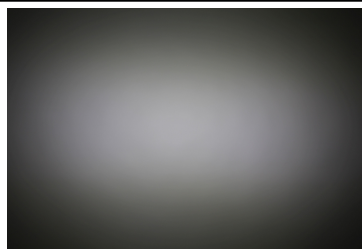
LED XP-E
 FWHM 18.0 + 48.0°
 Efficiency 83 %
 Peak intensity 2.300 cd/lm
 Required components:



LED XP-G
 FWHM 46.0 + 24.0°
 Efficiency 86 %
 Peak intensity cd/lm
 Required components:



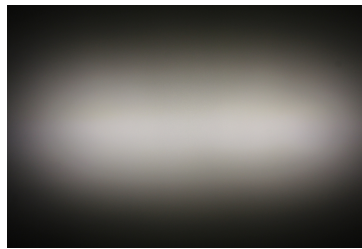
LED XP-G3
 FWHM 47.0 + 26.0°
 Efficiency 69 %
 Peak intensity 1.300 cd/lm
 Required components:



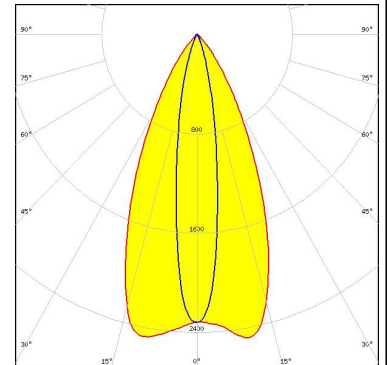
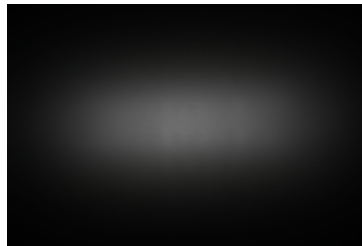
PHOTOMETRIC DATA (MEASURED):



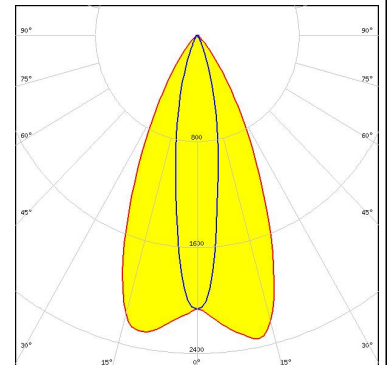
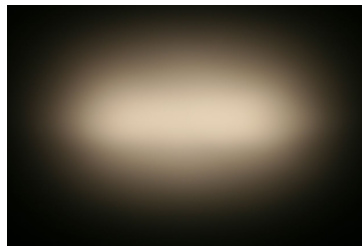
LED XQ-E HI
FWHM 15.0 + 50.0°
Efficiency 74 %
Peak intensity 2.730 cd/lm
Required components:



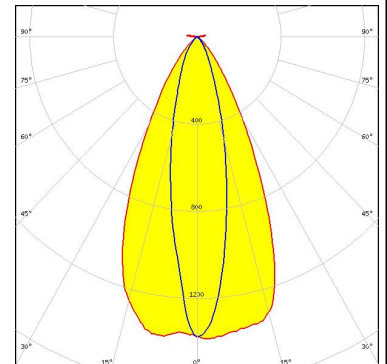
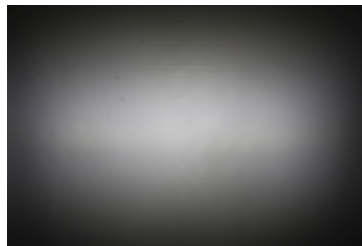
LED LUXEON C
FWHM 50.0 + 17.0°
Efficiency 81 %
Peak intensity 2.500 cd/lm
Required components:



LED LUXEON Z ES
FWHM 50.0 + 19.0°
Efficiency 79 %
Peak intensity 2.300 cd/lm
Required components:



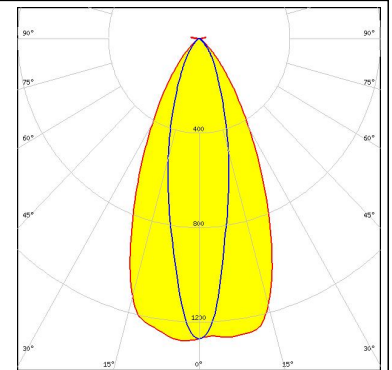
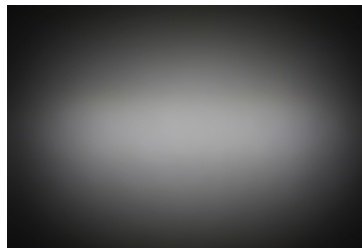
LED NCSxE17A
FWHM 51.0 + 22.0°
Efficiency 64 %
Peak intensity 1.400 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH181B
FWHM 50.0 + 24.0°
Efficiency 65 %
Peak intensity 1.300 cd/lm
Required components:



SHARP

LED Double Dome (GM2BB)
FWHM 10.0 + 32.0°
Efficiency %
Peak intensity cd/lm
Required components:

PHOTOMETRIC DATA (SIMULATED):

CREE 

LED	XQ-E
FWHM	13.0 + 40.0°
Efficiency	86 %
Peak intensity	3.500 cd/lm

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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