

LISA2-WW-PIN

~45° wide beam. 7.0 mm high variant with location pin installation.

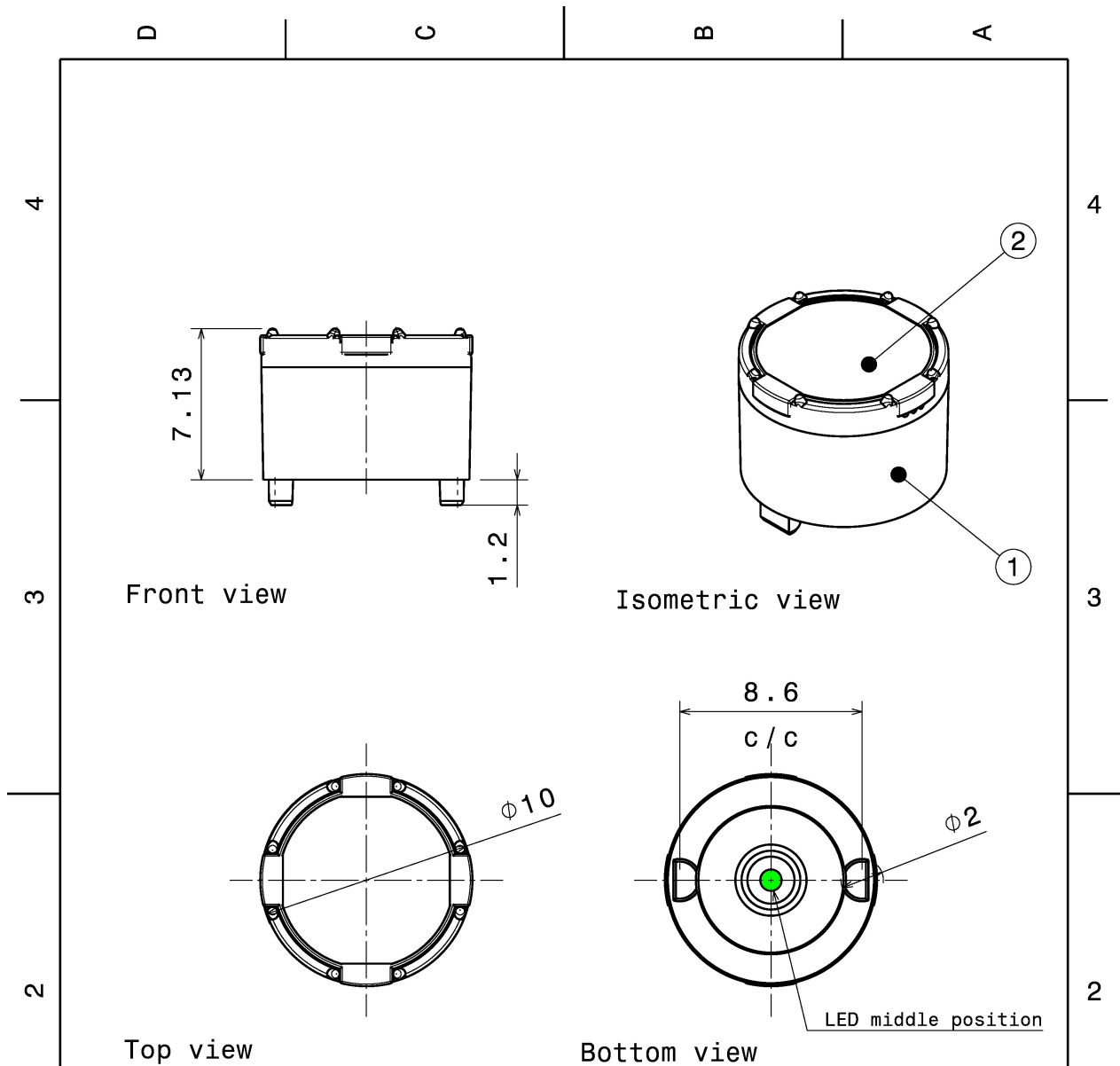
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	glue, pin
Colour	black
Box size	310 x 230 x 60 mm
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LISA2-WW	Single lens	PMMA	clear
LISA2-HLD-PIN	Holder	PC	black



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F10989	LISA2-HLD-PIN	PC	black
2	-	LISA2_lens	PMMA	

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
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THIRD ANGLE PROJECTION:

DRAWING TITLE
Lisa2-PIN-XP assembly

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SIZE	PART NUMBER
A4	-

SCALE	4:1	WEIGHT	0,5 g	SHEET	1/1
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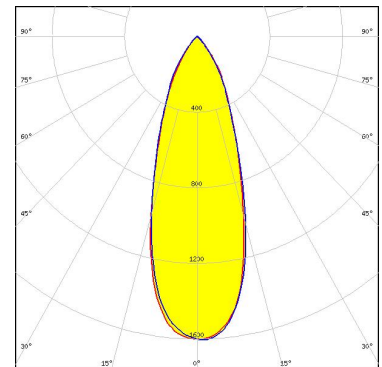
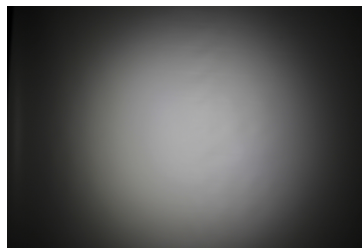
PHOTOMETRIC DATA (MEASURED):

CREE

LED XB-D
 FWHM 38.0°
 Efficiency 85 %
 Peak intensity 1.330 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

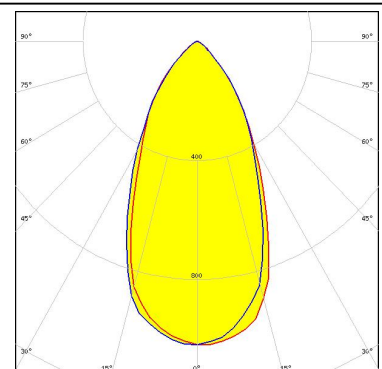
CREE

LED XD16
 FWHM 35.0°
 Efficiency 78 %
 Peak intensity 1.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



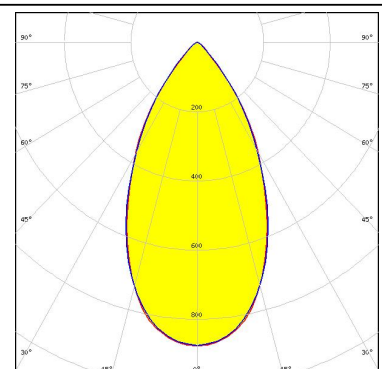
CREE

LED XP-E
 FWHM 42.0°
 Efficiency 91 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

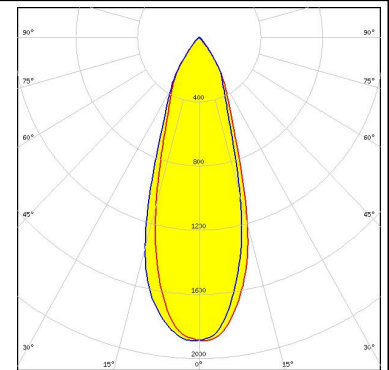
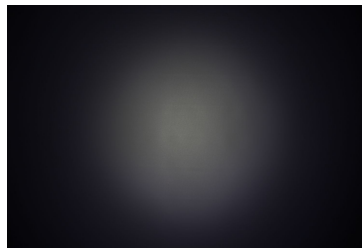
LED XP-G
 FWHM 54.0°
 Efficiency 90 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON C
 FWHM 34.0°
 Efficiency 88 %
 Peak intensity 1.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

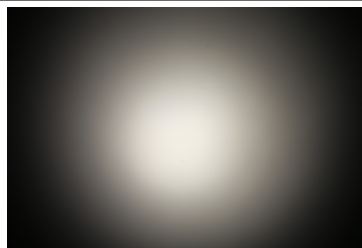


LUMILEDS

LED LUXEON Rebel ES
 FWHM 56.0°
 Efficiency 93 %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

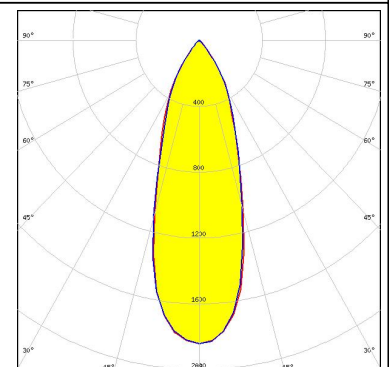
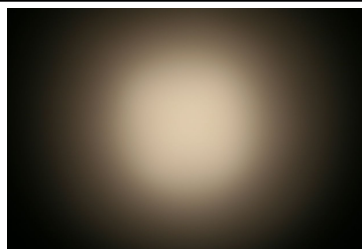
LUMILEDS

LED LUXEON Z
 FWHM 28.0°
 Efficiency 87 %
 Peak intensity 2.260 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

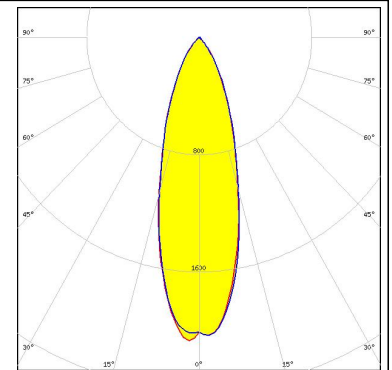
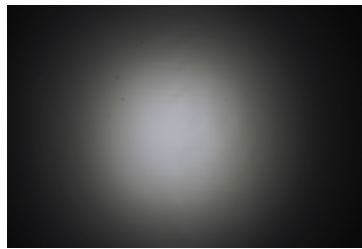
LED LUXEON Z ES
 FWHM 35.0°
 Efficiency 88 %
 Peak intensity 1.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



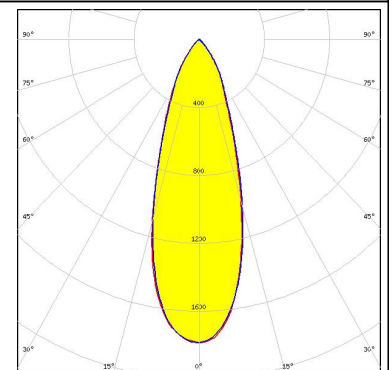
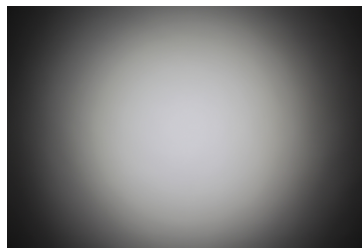
PHOTOMETRIC DATA (MEASURED):



LED NCSxE17A
FWHM 25.0°
Efficiency 82 %
Peak intensity 2.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LH181B
FWHM 34.0°
Efficiency 81 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



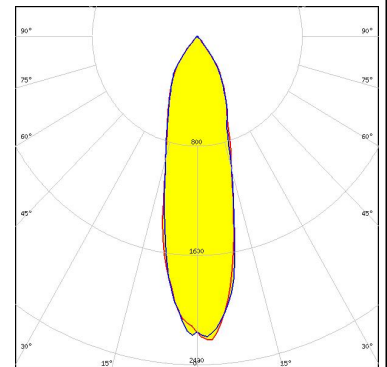
PHOTOMETRIC DATA (SIMULATED):

CREE

LED XQ-E HD
 FWHM 72.0°
 Efficiency 90 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

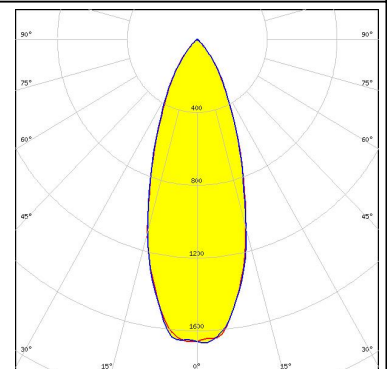
CREE

LED XQ-E HI
 FWHM 27.0°
 Efficiency 89 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NVSxE21A
 FWHM 37.0°
 Efficiency 88 %
 Peak intensity 1.690 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SHARP

LED Double Dome (GM2BB)
 FWHM 60.0°
 Efficiency %
 Peak intensity 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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