

LISA2-M-PIN

~20° medium 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-M	Single lens	PMMA	clear	
LISA2-HLD-PIN	Holder	PC	black	



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP10995_LISA2-M-PIN	Single lens	2000	300	100	1.4
» Box size: 310 x 230 x 60 mm					



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

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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

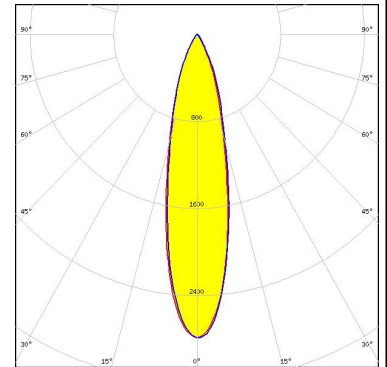
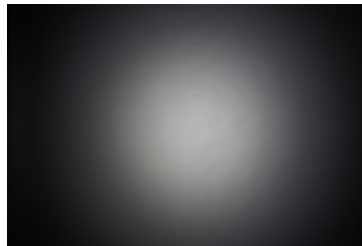
PHOTOMETRIC DATA (MEASURED):

CREE

LED XB-D
 FWHM 26.0°
 Efficiency 87 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

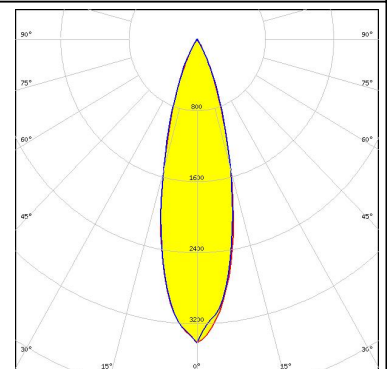
CREE

LED XD16
 FWHM 24.0°
 Efficiency 74 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



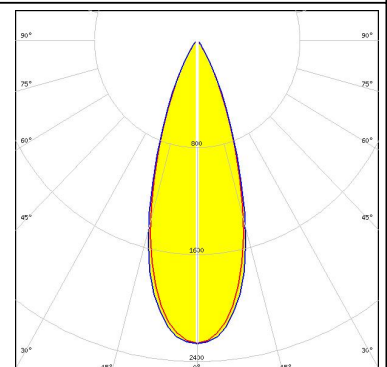
CREE

LED XP-E
 FWHM 24.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

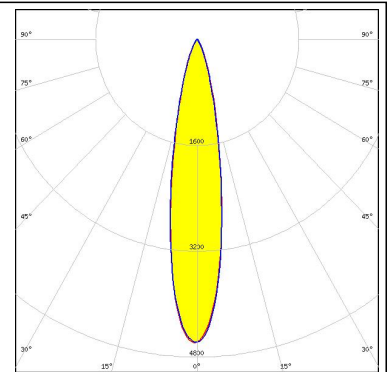
LED XP-G
 FWHM 34.0°
 Efficiency 91 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



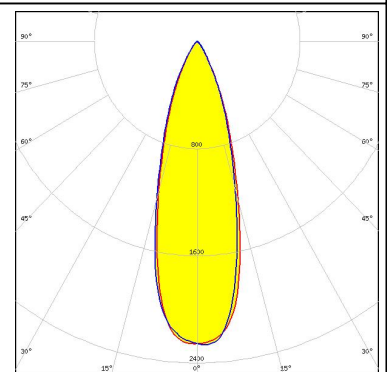
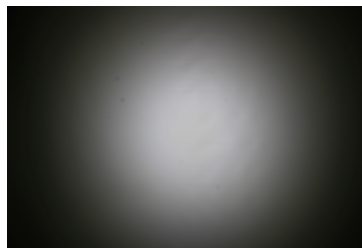
PHOTOMETRIC DATA (MEASURED):



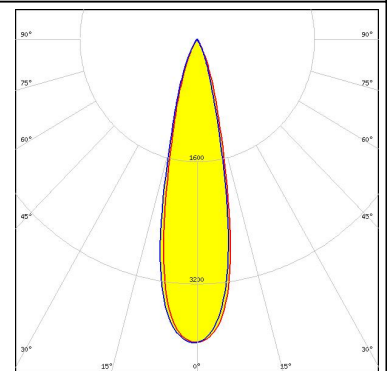
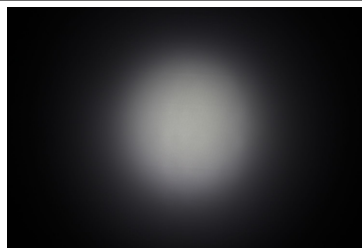
LED XQ-E HI
 FWHM 20.0°
 Efficiency 85 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM 31.0°
 Efficiency 85 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



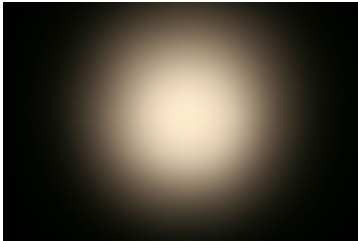
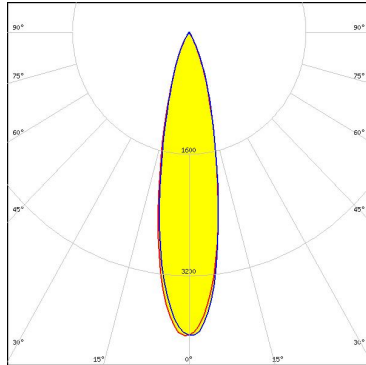
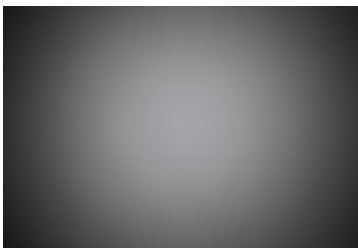
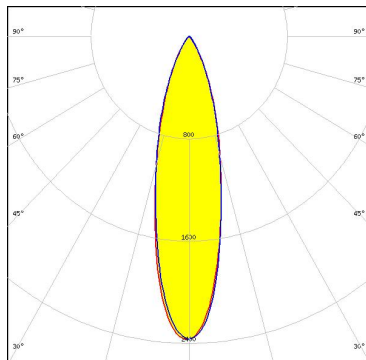
LED LUXEON C
 FWHM 24.0°
 Efficiency 89 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON Z
 FWHM 19.0°
 Efficiency 86 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



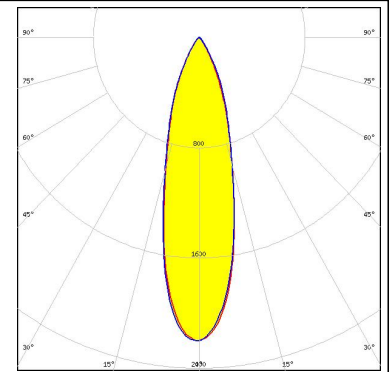
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES FWHM 23.0° Efficiency 87 % Peak intensity 4 cd/Im LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NCSxE17A FWHM 26.0° Efficiency 74 % Peak intensity 2.4 cd/Im LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED SFH 4170S FWHM 14.0° Efficiency % LEDs/each optic 1 Light colour IR Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED SFH 4180S FWHM 14.0° Efficiency % LEDs/each optic 1 Light colour IR Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH181B
FWHM 27.0°
Efficiency 74 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SHARP

LED Double Dome (GM2BB)
FWHM 28.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:

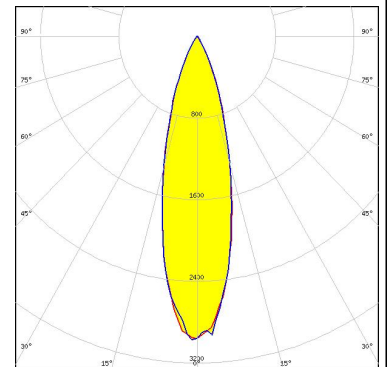
PHOTOMETRIC DATA (SIMULATED):



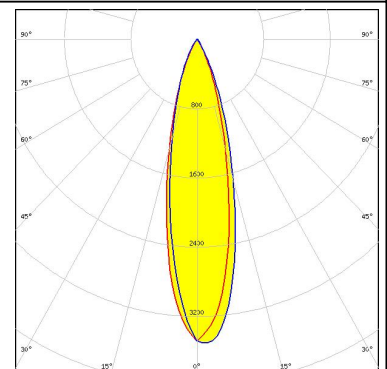
LED XQ-E HD
FWHM 27.5°
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxE21A
FWHM 27.0°
Efficiency 86 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED SFH 4770S
FWHM 25.0°
Efficiency 91 %
Peak intensity 3.5 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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