

LISA2-WW-PIN

~45° wide beam. 6.8 mm high variant with location pin installation.

SPECIFICATION:

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

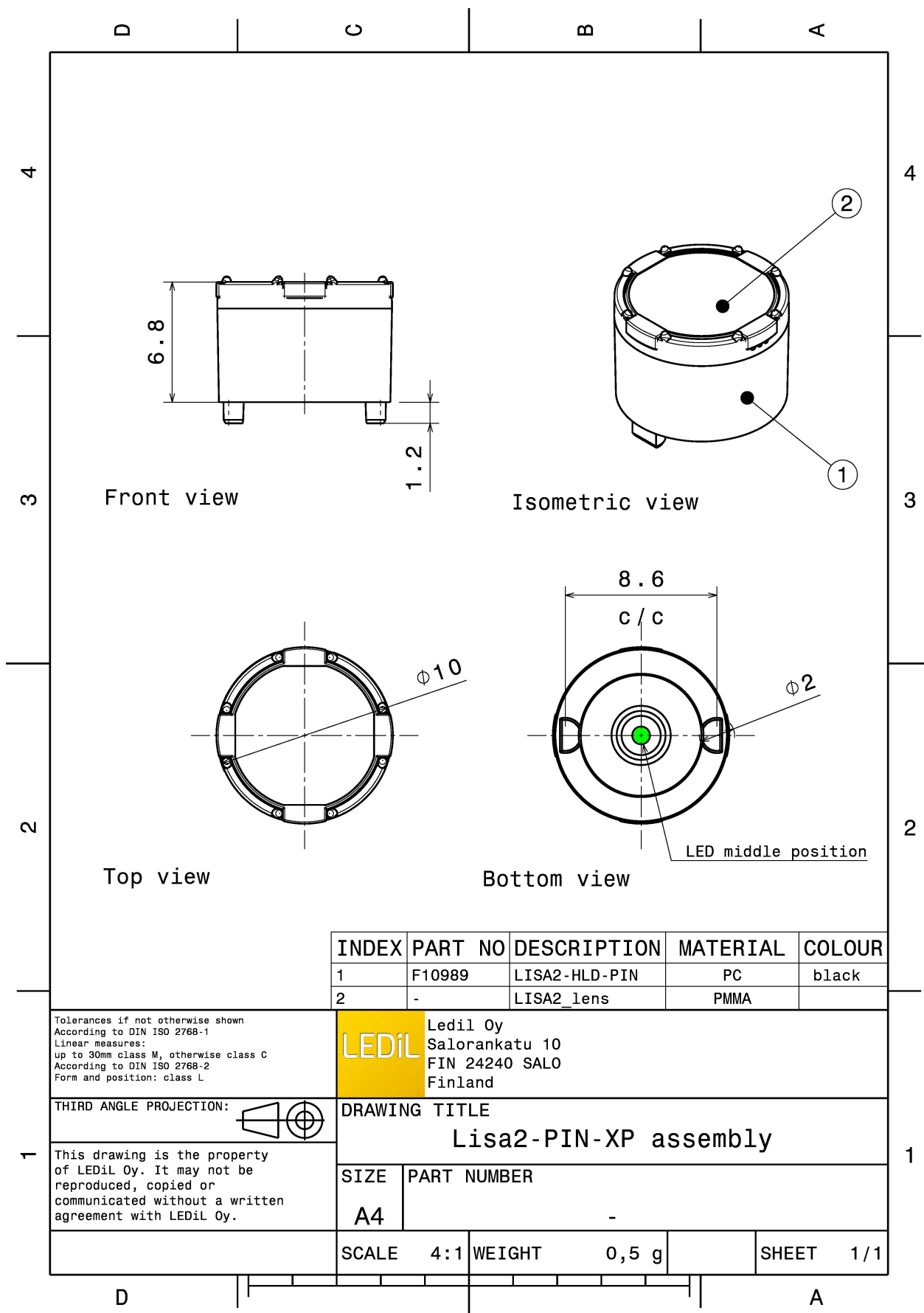


MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP13026_LISA2-WW-PIN	Single lens	2000		100	1.4
» Box size:					

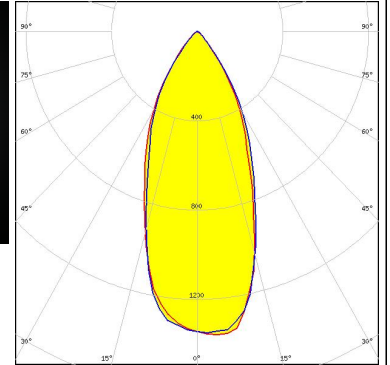


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

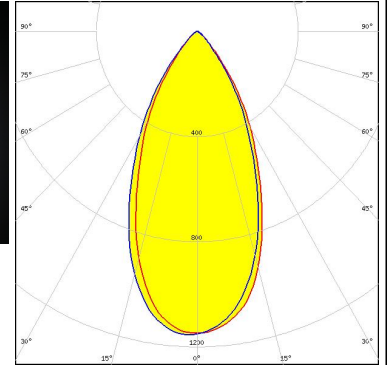
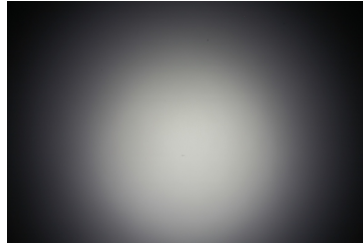
CREE LED

LED XP-E2
FWHM / FWTM 43.0° / 79.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



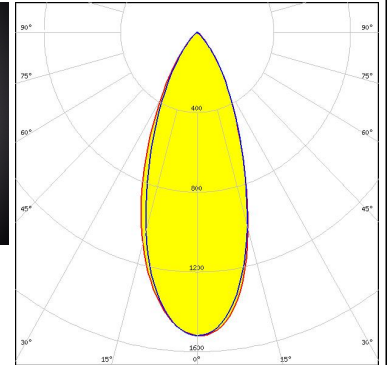
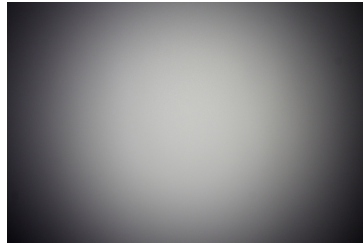
CREE LED

LED XP-G2
FWHM / FWTM 47.0° / 83.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



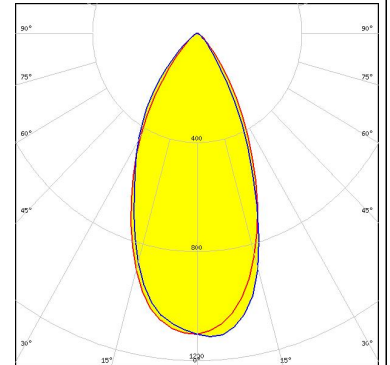
CREE LED

LED XP-G3
FWHM / FWTM 42.0° / 76.0°
Efficiency 84 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE LED

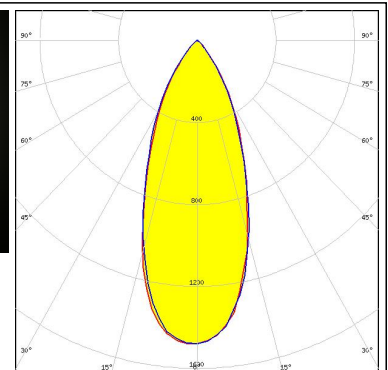
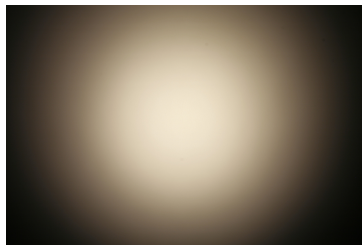
LED XT-E
FWHM / FWTM 47.0° / 82.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



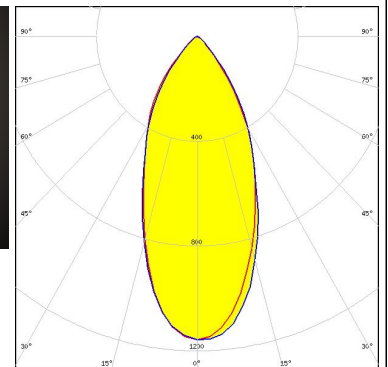
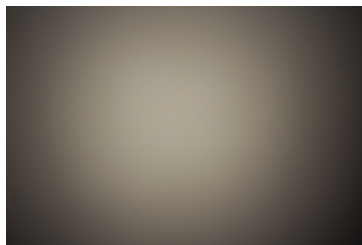
OPTICAL RESULTS (MEASURED):



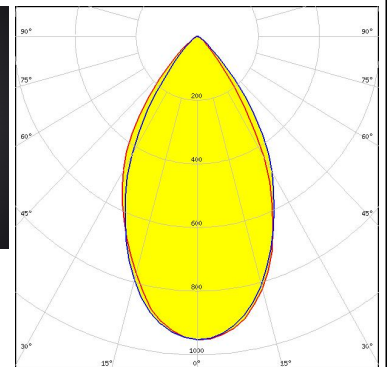
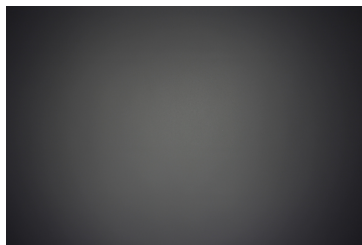
LED NCSxx19B
 FWHM / FWTM 41.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLOM Square EC
 FWHM / FWTM 46.0° / 86.0°
 Efficiency 84 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



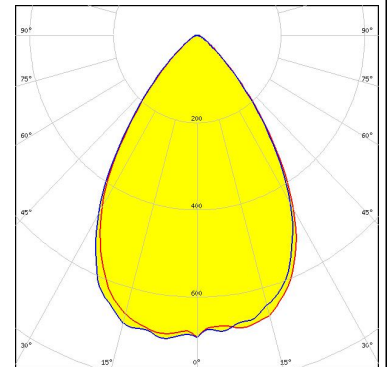
LED LH351Z
 FWHM / FWTM 60.0° / 91.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



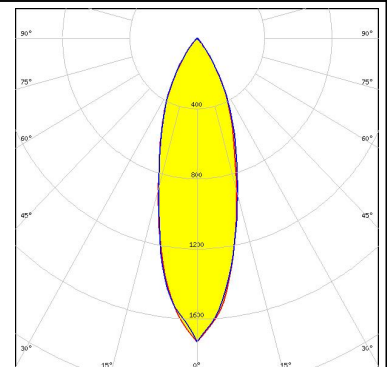
OPTICAL RESULTS (SIMULATED):



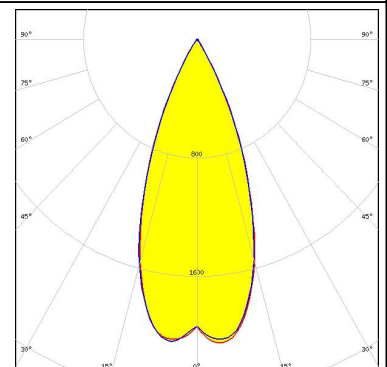
LED XP-G2 HE
 FWHM / FWTM 69.0° / 100.0°
 Efficiency 87 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



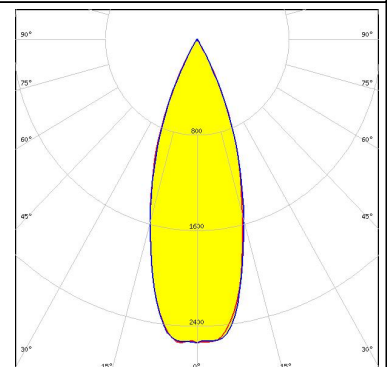
LED LUXEON IR 2720
 FWHM / FWTM 31.0° / 70.0°
 Efficiency 74 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour IR
 Required components:



LED LUXEON TX
 FWHM / FWTM 40.0° / 61.0°
 Efficiency 94 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SST-20
 FWHM / FWTM 36.0° / 58.0°
 Efficiency 96 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



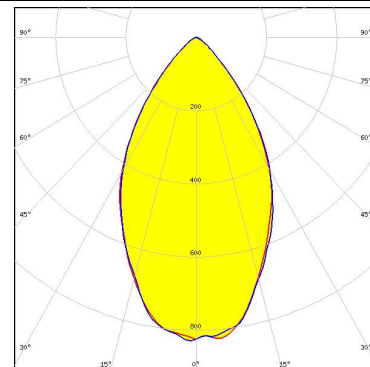
OPTICAL RESULTS (SIMULATED):



LED NCSxE17A
 Assembly NULL
 FWHM / FWTM 30.0° / 72.0°
 Efficiency 86 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



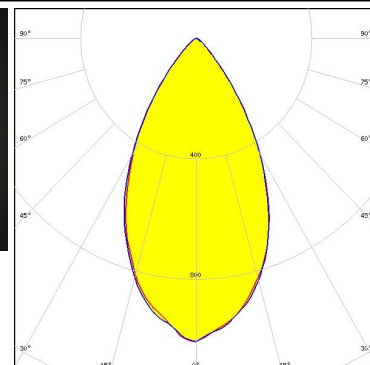
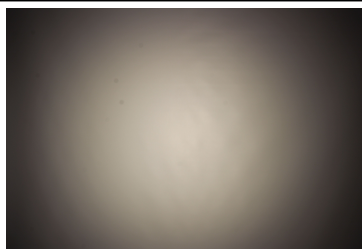
LED NVSW519A
 FWHM / FWTM 60.0° / 96.0°
 Efficiency 84 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxE21A
 Assembly NULL
 FWHM / FWTM 38.0° / 74.0°
 Efficiency 84 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19B/NVSxx19C
 Assembly NULL
 FWHM / FWTM 55.0° / 88.0°
 Efficiency 88 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

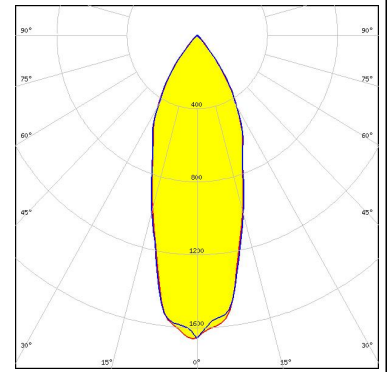


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

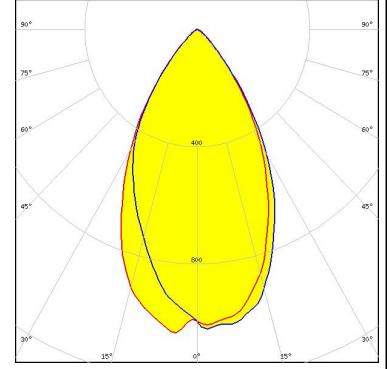
LED OSLON Black
 FWHM / FWTM 36.0° / 78.0°
 Efficiency 93 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

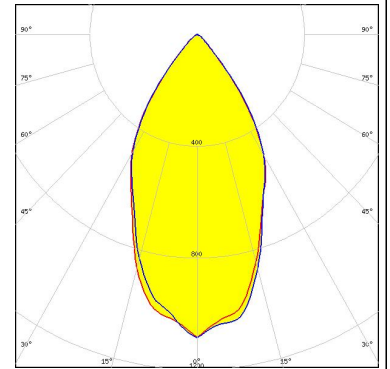
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 57.0° / 89.0°
 Efficiency 92 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

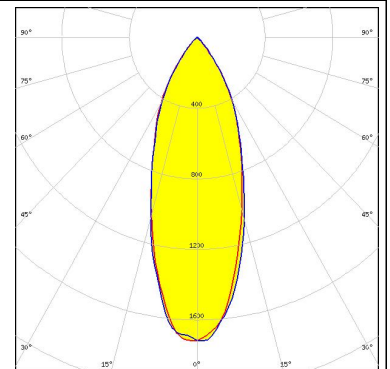
LED OSLON SSL 80
 FWHM / FWTM 55.0° / 87.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

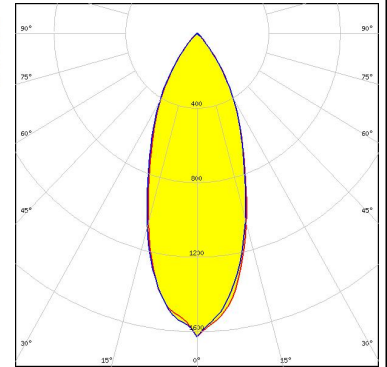
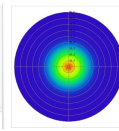
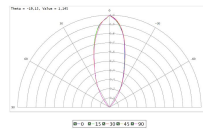
LED SFH 4715AS
 FWHM / FWTM 36.0° / 75.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

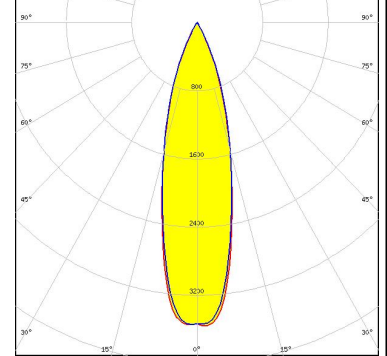
OSRAM
Opto Semiconductors

LED SFH 4725AS
FWHM / FWTM 38.0° / 76.0°
Efficiency 91 %
LEDs/each optic 1
Light colour IR
Required components:



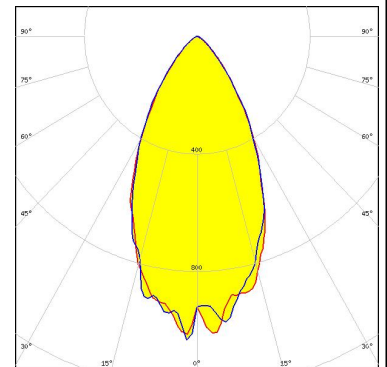
OSRAM
Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 27.0° / 52.0°
Efficiency 94 %
LEDs/each optic 1
Light colour IR
Required components:



SEOL
SEOL SEMICONDUCTOR

LED Z8Y22P
FWHM / FWTM 50.0° / 88.0°
Efficiency 86 %
Peak intensity 1.1 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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