LAURA-W-PIN

~40° wide beam optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.



SPECIFICATION:

Dimensions	21.6 x 21.6
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes

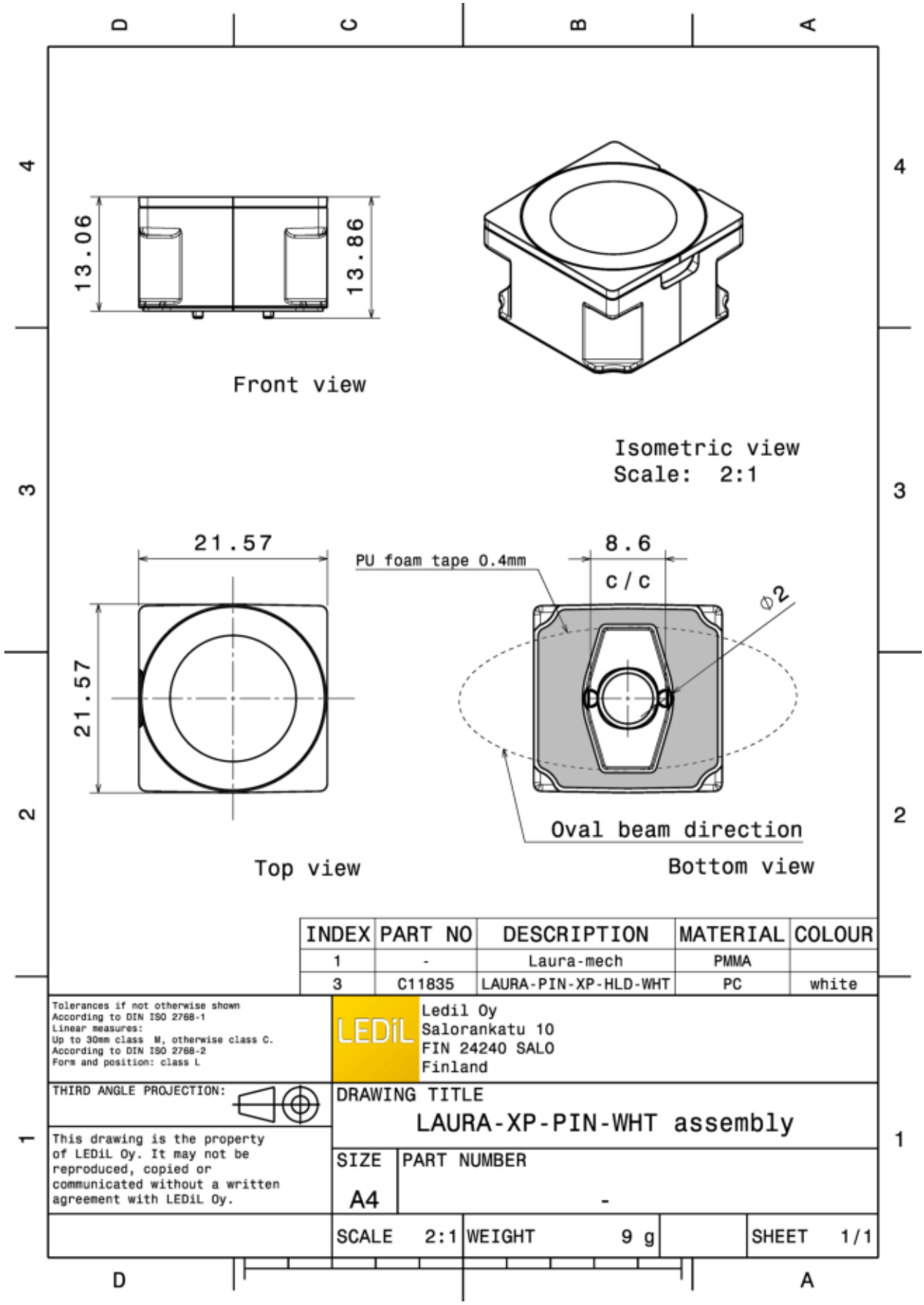
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LAURA-W	Single lens	PMMA	clear		
LAURA-PIN-XP-HLD-WHT	Holder	PC	white		
ROSE-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA12344_LAURA-W-PIN	1440	360	180	7.8
» Box size:				

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	Laura-mech	PMMA	
3	C11835	LAURA-PIN-XP-HLD-WHT	PC	white

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
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
LAURA-XP-PIN-WHT assembly

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SIZE A4 | PART NUMBER -

SCALE 2:1 | WEIGHT 9 g | SHEET 1/1

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

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OPTICAL RESULTS (MEASURED):

CREE LEDs

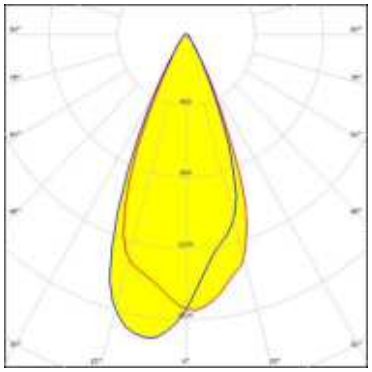
LED	XB-D
FWHM / FWTM	42.0°
Efficiency	86 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

LED	XP-E
FWHM / FWTM	47.0° / 65.0°
Efficiency	92 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

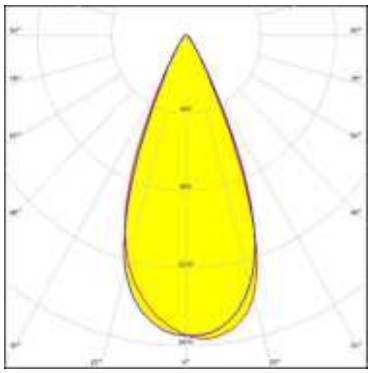




Light distribution files

CREE LEDs

LED	XP-G
FWHM / FWTM	46.0° / 65.0°
Efficiency	91 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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OPTICAL RESULTS (MEASURED):

LUMILEDS

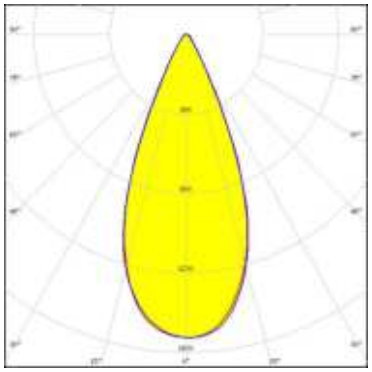
LED	LUXEON Rebel
FWHM / FWTM	44.0° / 62.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS

LED	LUXEON T
FWHM / FWTM	46.0° / 68.0°
Efficiency	88 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	38.0° / 60.0°
Efficiency	92 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

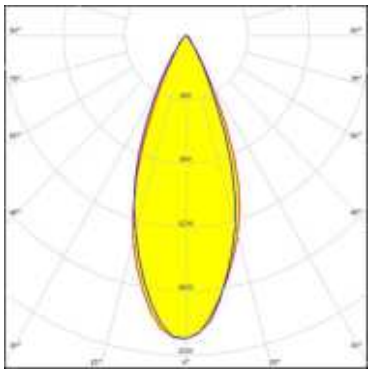
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NCSxx19B
FWHM / FWTM	41.0° / 65.0°
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

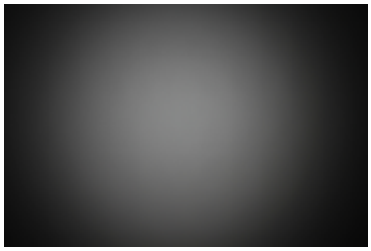


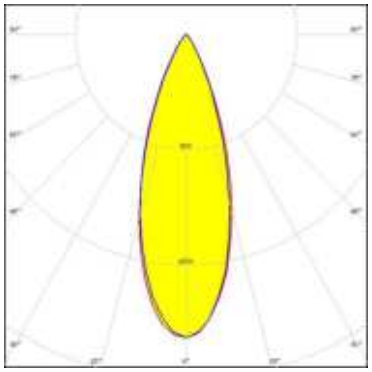


Light distribution files

NICHIA

LED	NF2x757D
FWHM / FWTM	36.0° / 63.0°
Efficiency	87 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

OSRAM

LED	OSLON Square EC
FWHM / FWTM	44.0° / 64.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

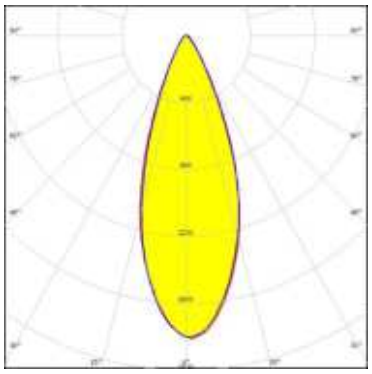
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OPTICAL RESULTS (MEASURED):

OSRAM

LED	OSLON SSL 150
FWHM / FWTM	38.0° / 65.0°
Efficiency	87 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



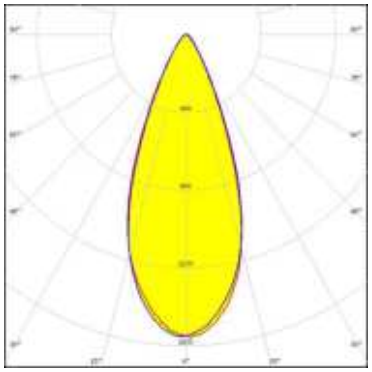


Light distribution files

OSRAM

LED	OSLON SSL 80
FWHM / FWTM	42.0° / 68.0°
Efficiency	87 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

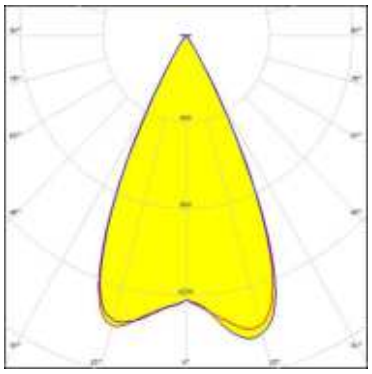
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OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-G3
FWHM / FWTM	48.0° / 62.0°
Efficiency	93 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

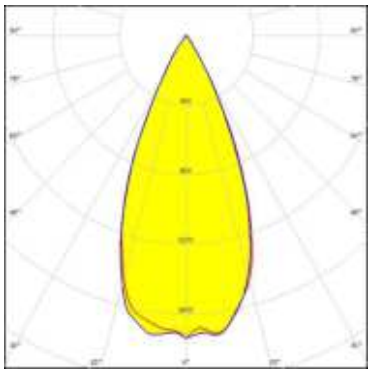
LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	51.0° / 67.0°
Efficiency	92 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA

LED	NV4WB35AM
FWHM / FWTM	46.0° / 66.0°
Efficiency	97 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



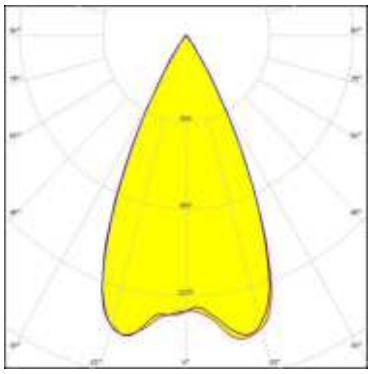
Light distribution files

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OPTICAL RESULTS (SIMULATED):

NICHIA

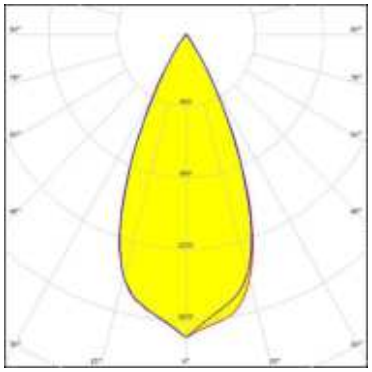
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	50.0° / 68.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	47.0° / 67.0°
Efficiency	96 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	46.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

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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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