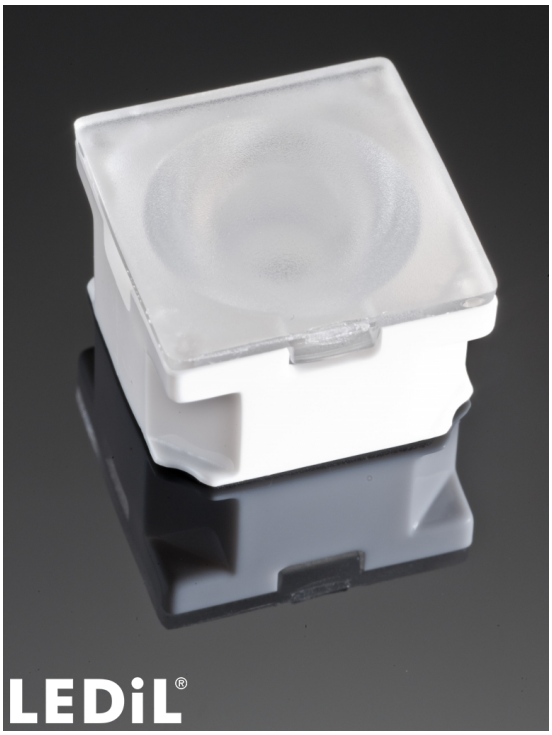
LAURA-W-PIN

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



TECHNICAL SPECIFICATIONS:

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

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
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	Single lens	1440	360	180	7.8
» Box size:					

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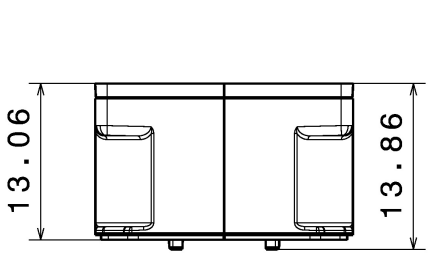
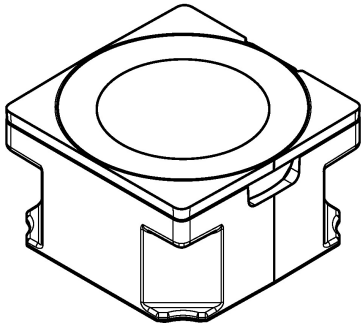
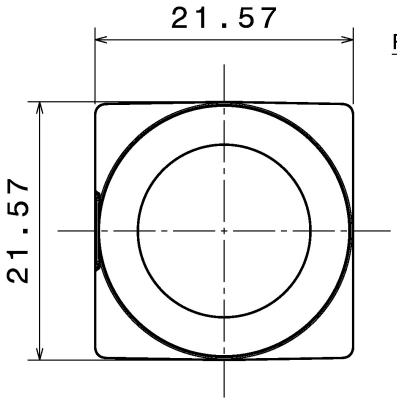


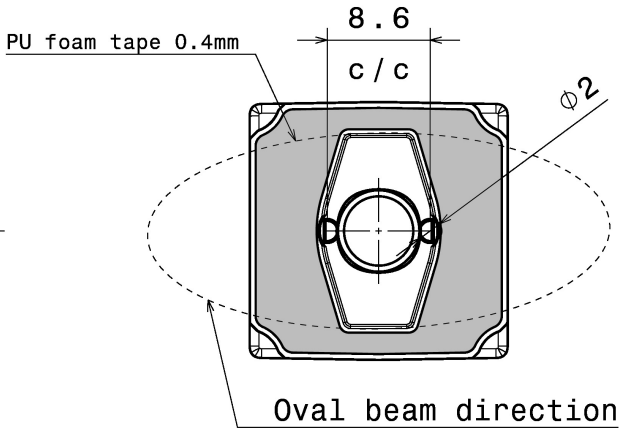
Front view



Isometric view
Scale: 2:1



Top view



Bottom view

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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PHOTOMETRIC DATA (MEASURED):

CREE LED

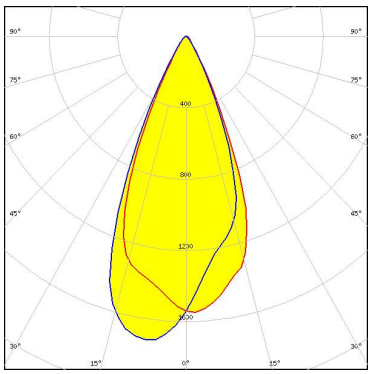
LED	XB-D
FWHM / FWTM	42.0°
Efficiency	86 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE LED

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

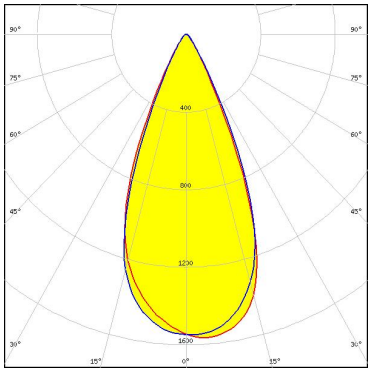
Required components:



CREE LED

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

Required components:



LUMILEDS

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

Required components:

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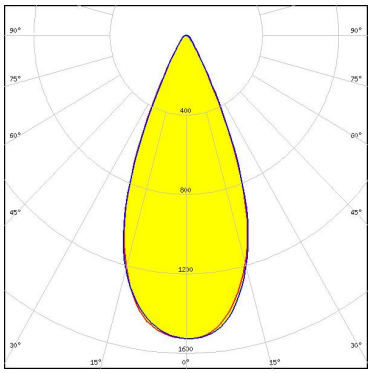
PHOTOMETRIC DATA (MEASURED):

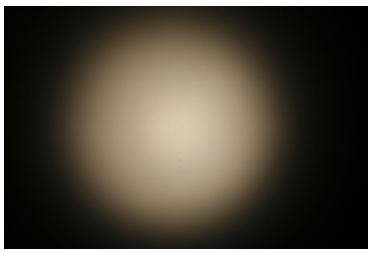
LUMILEDS

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



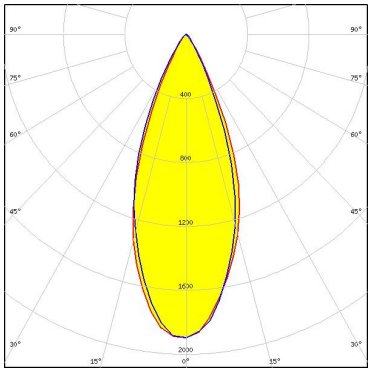
LUMILEDS

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



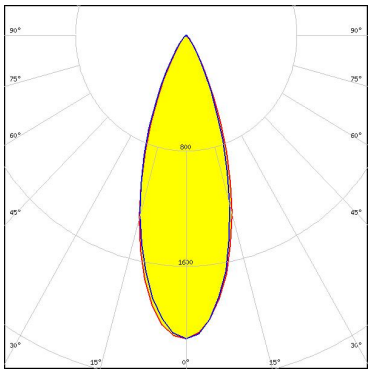
NICHIA

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



NICHIA

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



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PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

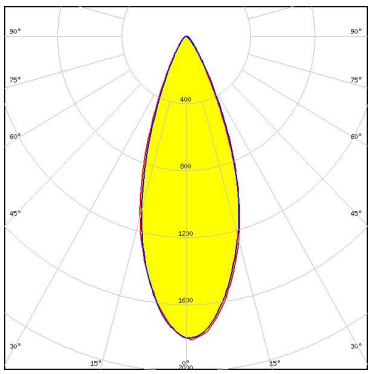
LED	OSLON Square EC
FWHM / FWTM	44.0° / 64.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White

Required components:

OSRAM
Opto Semiconductors

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

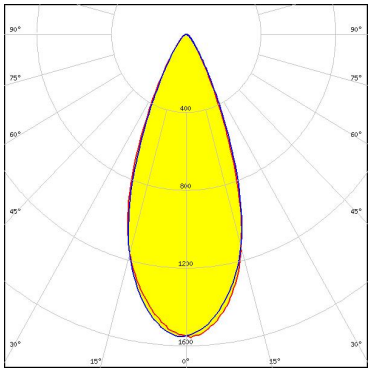
Required components:



OSRAM
Opto Semiconductors

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

Required components:



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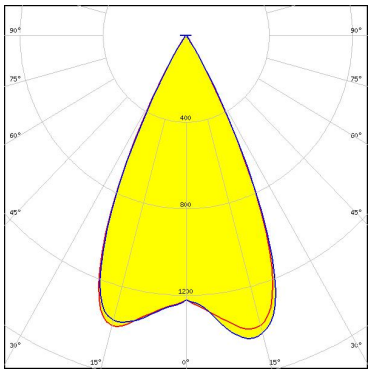
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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

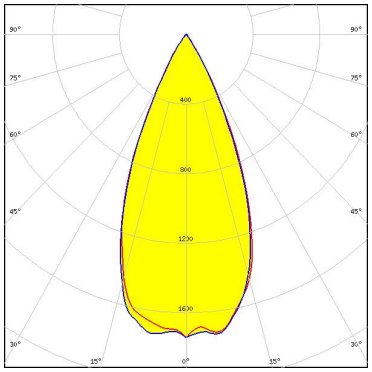


LUMILEDS

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

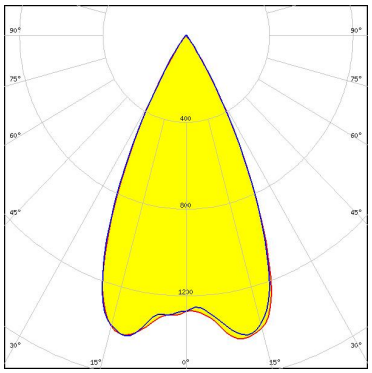
NICHIA

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



NICHIA

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



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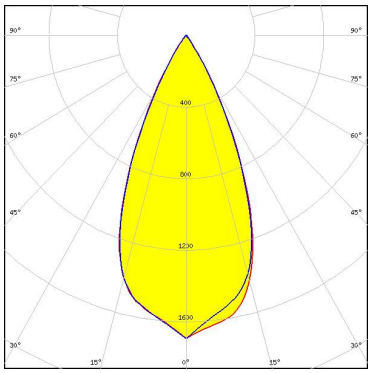
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

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	White
Required components:	



SEOUL SEMICONDUCTOR

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

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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:

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