LAURA-O-PIN

~40° x 12° oval 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-O	Single lens	PMMA	clear	
LAURA-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	
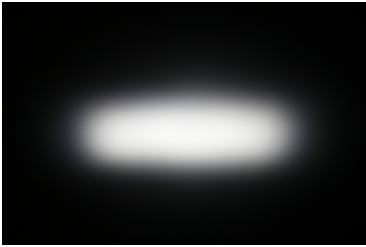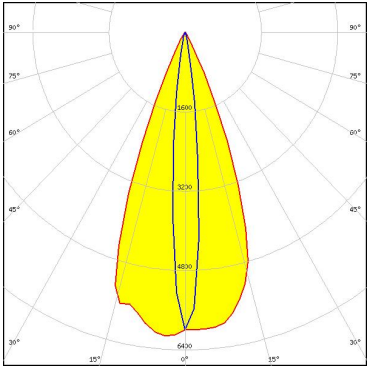
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12012_LAURA-O-PIN	Single lens	1440	360	180	7.5

» Box size: 450 x 260 x 160 mm

Front view

Isometric view
Scale: 2:1

13.06

13.86

21.57

21.57

PU foam tape 0.4mm

8.6

c/c

⌀2

Oval beam direction

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

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
LAURA-XP-PIN-WHT assembly

SIZE	PART NUMBER
A4	-

SCALE 2:1	WEIGHT 9 g	SHEET 1/1

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

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-D White
FWHM / FWTM	39.0 + 11.0°
Efficiency	94 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-E
FWHM / FWTM	40.0 + 13.0° / 54.0 + 22.0°
Efficiency	91 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-E2
FWHM / FWTM	41.0 + 10.0° / 56.0 + 22.0°
Efficiency	91 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-G
FWHM / FWTM	40.0 + 13.0°
Efficiency	91 %
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	41.0 + 12.0° / 56.0 + 24.0°
Efficiency	90 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	41.0 + 14.0° / 60.0 + 28.0°
Efficiency	90 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
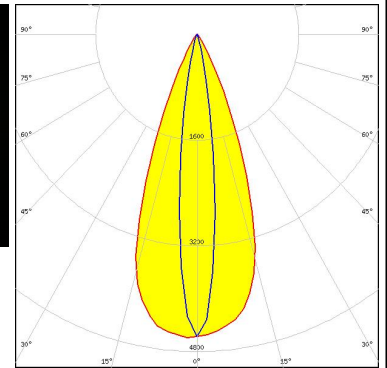
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	40.0 + 11.0° / 56.0 + 22.0°
Efficiency	91 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
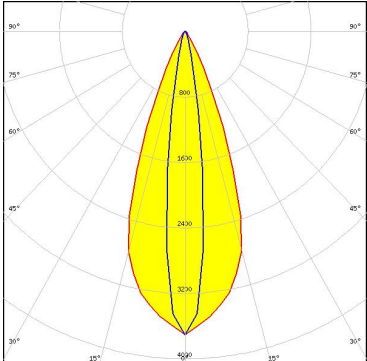
NICHIA

LED	NCSxx19B
FWHM / FWTM	41.0 + 13.0° / 58.0 + 26.0°
Efficiency	90 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	39.0 + 14.0° / 57.0 + 31.0°
Efficiency	87 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	40.0 + 12.0° / 60.0 + 26.0°
Efficiency	88 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	36.0 + 10.0° / 23.0 + 52.0°
Efficiency	86 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	40.0 + 12.0° / 26.0 + 54.0°
Efficiency	86 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	41.0 + 14.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4725S
FWHM / FWTM	40.0 + 14.0° / 58.0 + 24.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	40.0 + 12.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	13.0 + 61.0° / 30.0 + 84.0°
Efficiency	81 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 150
FWHM / FWTM	67.0 + 10.0° / 88.0 + 10.0°
Efficiency	0 %
LEDs/each optic	1
Light colour	White
Required components:	
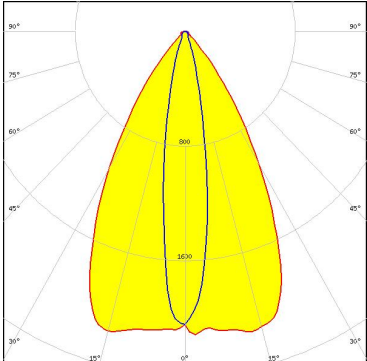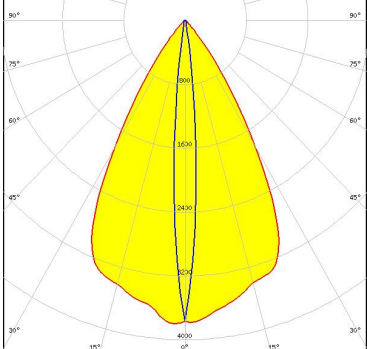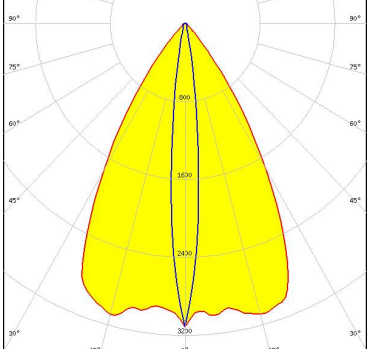
LUMILEDS

LED	LUXEON IR Domed 60
FWHM / FWTM	65.0 + 11.0° / 84.0 + 28.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 90
FWHM / FWTM	63.0 + 11.0° / 83.0 + 24.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NV4WB35AM
FWHM / FWTM	60.0 + 18.0° / 86.0 + 38.0°
Efficiency	90 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Signal
FWHM / FWTM	60.0 + 8.0° / 80.0 + 18.0°
Efficiency	91 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	62.0 + 11.0° / 84.0 + 24.0°
Efficiency	91 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG

LED	LM302D
FWHM / FWTM	63.0 + 12.0° / 84.0 + 28.0°
Efficiency	88 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	