LAURA-SS-PIN
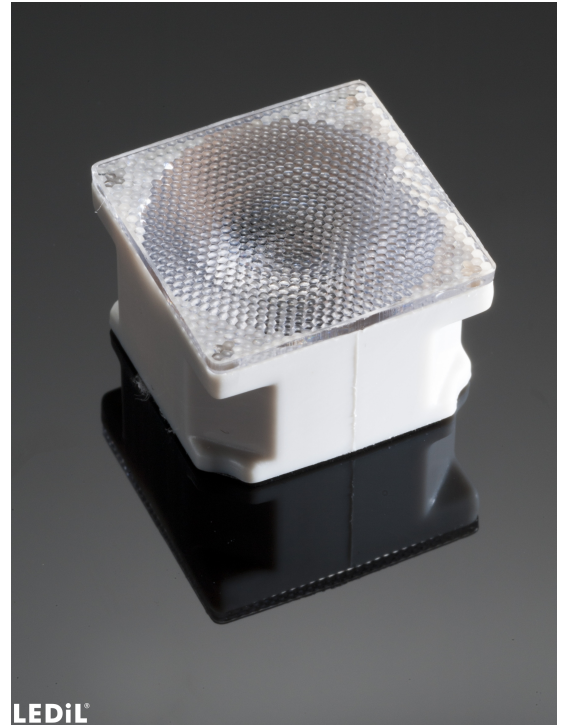
~11° smooth spot beam optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.

SPECIFICATION:

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

MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-SS	Single lens	PMMA		
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)
CA12011_LAURA-SS-PIN	Single lens	1440		180	7.5

» Box size:

LEDiL®

Front view

13.06

13.86

Isometric view
Scale: 2:1

21.57

21.57

Acrylic foam tape 0.4mm

8.6
c/c

Ø2

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

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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

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XB-D
FWHM / FWTM	11.0°
Efficiency	93 %
Peak intensity	14.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XP-E
FWHM / FWTM	11.0° / 19.0°
Efficiency	93 %
Peak intensity	16.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XP-E-HEW
FWHM / FWTM	12.0° / 24.0°
Efficiency	92 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
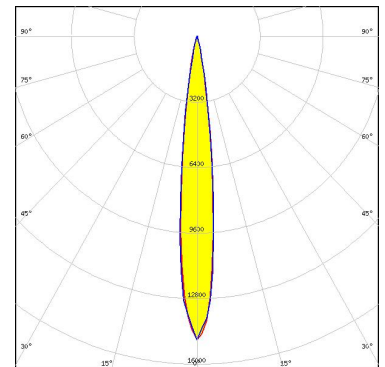
LED	XP-G
FWHM / FWTM	12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON T
FWHM / FWTM	13.0° / 24.0°
Efficiency	92 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
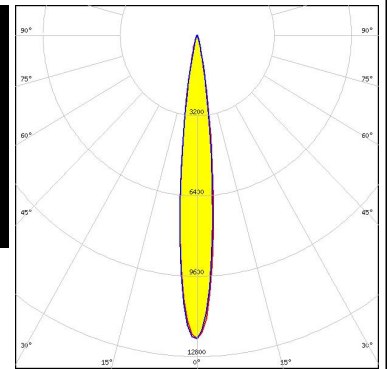
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	12.0° / 21.0°
Efficiency	92 %
Peak intensity	17.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
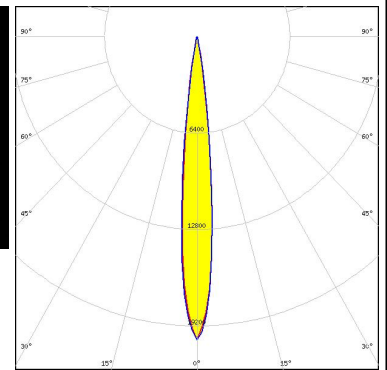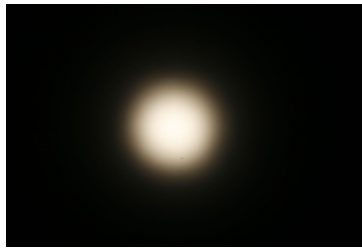
NICHIA

LED	NCSxx19B
FWHM / FWTM	13.0° / 25.0°
Efficiency	91 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
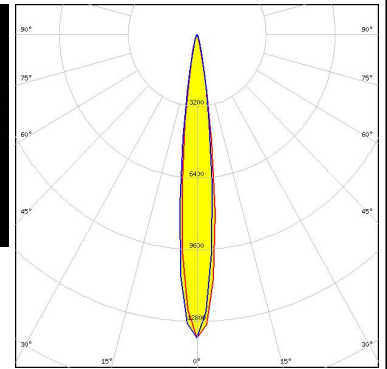
NICHIA

LED	NF2x757D
FWHM / FWTM	14.0° / 28.0°
Efficiency	91 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
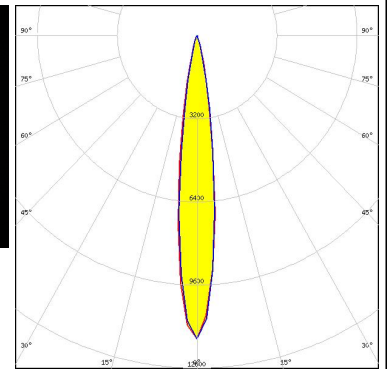
OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	13.0° / 26.0°
Efficiency	88 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	11.0° / 22.0°
Efficiency	91 %
Peak intensity	12.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	11.0° / 21.0°
Efficiency	91 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	SFH 4725S
FWHM / FWTM	14.0° / 28.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	10.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-E2
FWHM / FWTM	12.0° / 23.0°
Efficiency	94 %
Peak intensity	17.2 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	

CREE LEDs
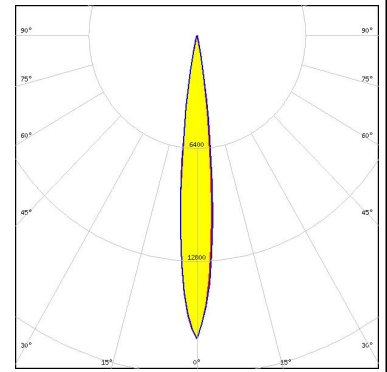
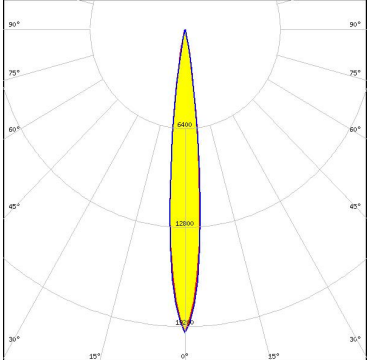|	
LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
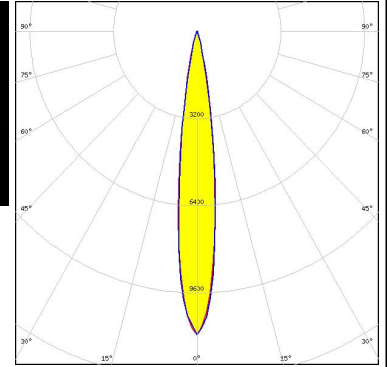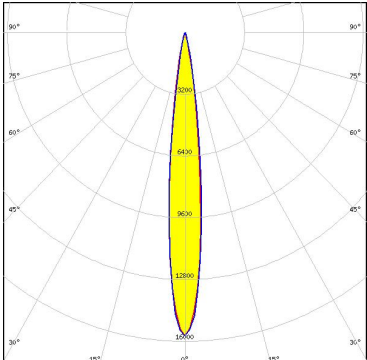
LED	LUXEON IR Domed 150 (L1I0-0xxx150000000)
FWHM / FWTM	14.0° / 24.0°
Efficiency	0 %
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 60 (L1I0-0xxx060000000)
FWHM / FWTM	12.0° / 25.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON IR Domed 90 (L1I0-0xxx090000000)
FWHM / FWTM	12.0° / 24.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Boost HX (KW CULPM1.TG)
FWHM / FWTM	12.0° / 21.0°
Efficiency	96 %
Peak intensity	19.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	12.0° / 23.0°
Efficiency	96 %
Peak intensity	15.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	12.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	12.0° / 19.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	IR
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	12.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	