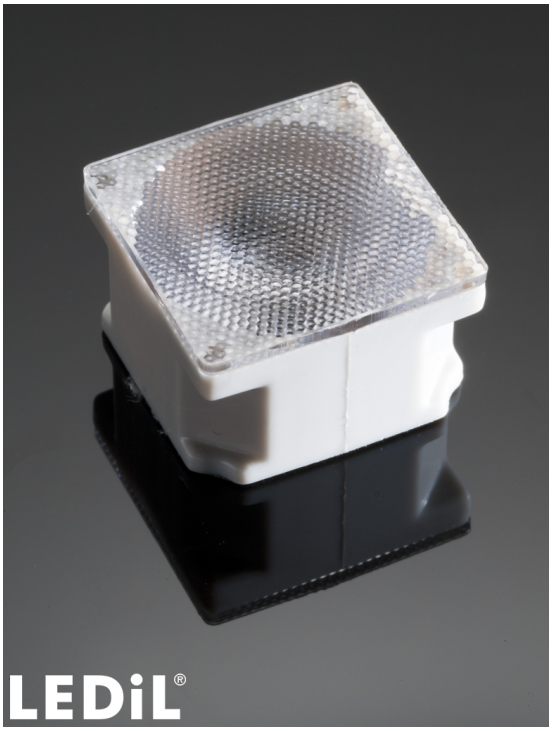
LAURA-SS-PIN

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



TECHNICAL SPECIFICATIONS:

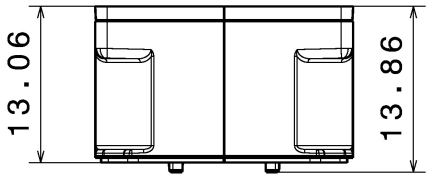
Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

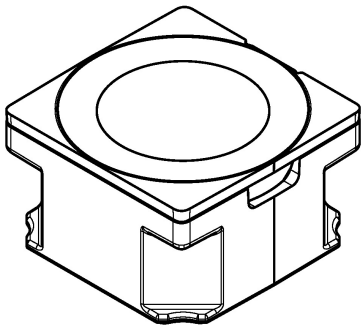
Component	Type	Material	Colour	Finish
LAURA-SS	Single lens	PMMA		
LAURA-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	PU tape	black	

ORDERING INFORMATION:

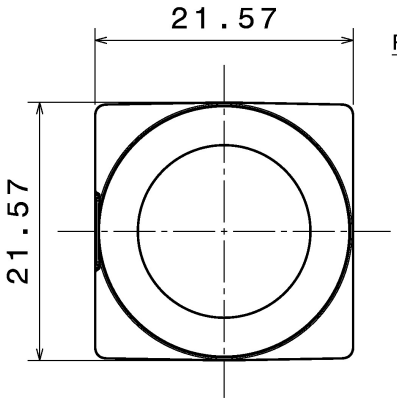
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12011_LAURA-SS-PIN	Single lens	1440		180	7.5
» Box size:					



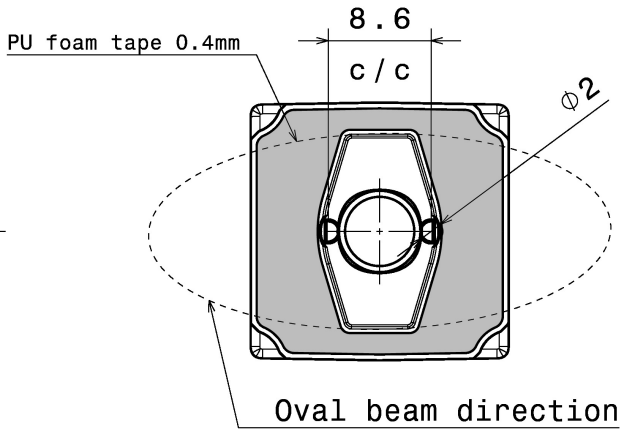
Front view



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

SIZE A4 | PART NUMBER -

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

PHOTOMETRIC DATA (MEASURED):

CREE

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

Required components:

CREE

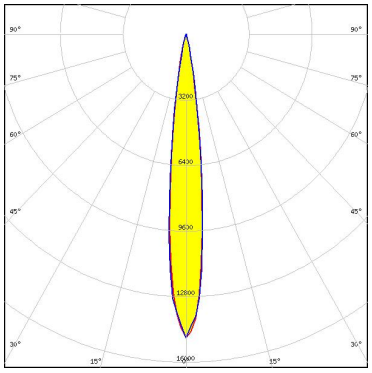
LED	XP-E
FWHM	11.0°
Efficiency	93 %
Peak intensity	16.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE

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

Required components:



CREE

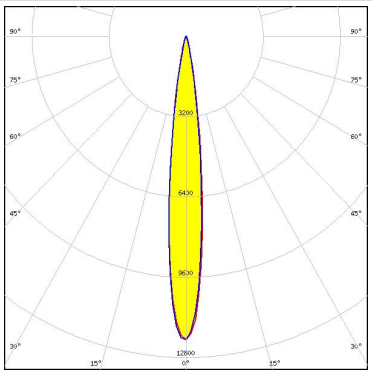
LED	XP-G
FWHM	12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White

Required components:

PHOTOMETRIC DATA (MEASURED):

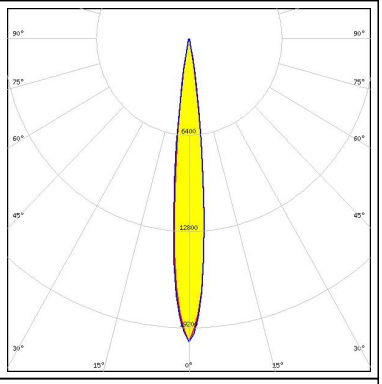
LUMILEDS

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



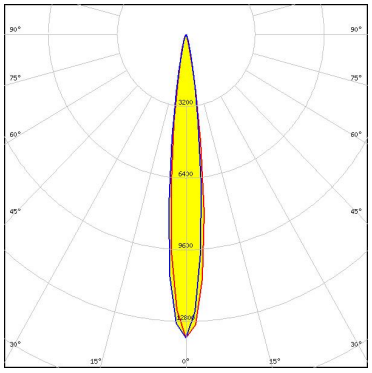
LUMILEDS

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



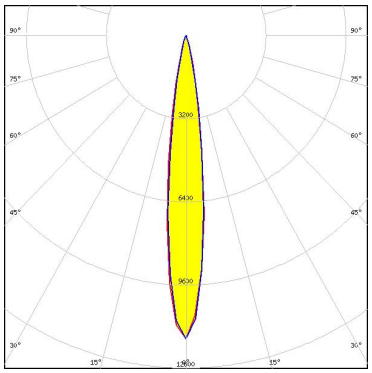
NICHIA

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



NICHIA

LED	NF2x757D
FWHM	14.0°
Efficiency	91 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED	OSLON Square EC
FWHM	13.0°
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	11.0°
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	11.0°
Efficiency	91 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

OSRAM Opto Semiconductors

LED	SFH 4725S
FWHM	14.0°
Efficiency	%
LEDs/each optic	1
Light colour	White

Required components:

PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

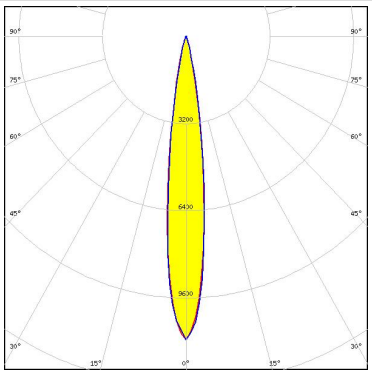
LED	Z5
FWHM	10.0°
Efficiency	%
LEDs/each optic	1
Light colour	White

Required components:

PHOTOMETRIC DATA (SIMULATED):

CREE

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



LUMILEDS

LED	LUXEON IR Domed 150
FWHM	14.0°
Efficiency	0 %
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 60
FWHM	12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

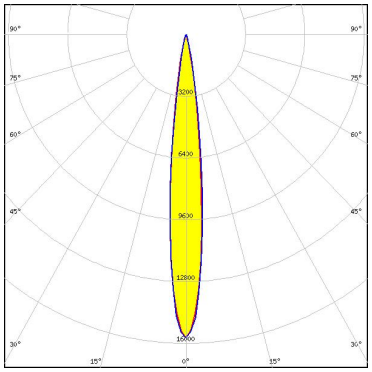
LUMILEDS

LED	LUXEON IR Domed 90
FWHM	12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

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

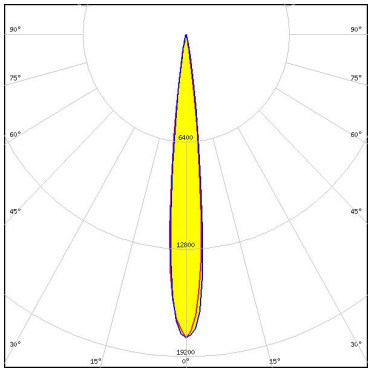


OSRAM
Opto Semiconductors

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

OSRAM
Opto Semiconductors

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



OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM	12.0°
Efficiency	%
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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