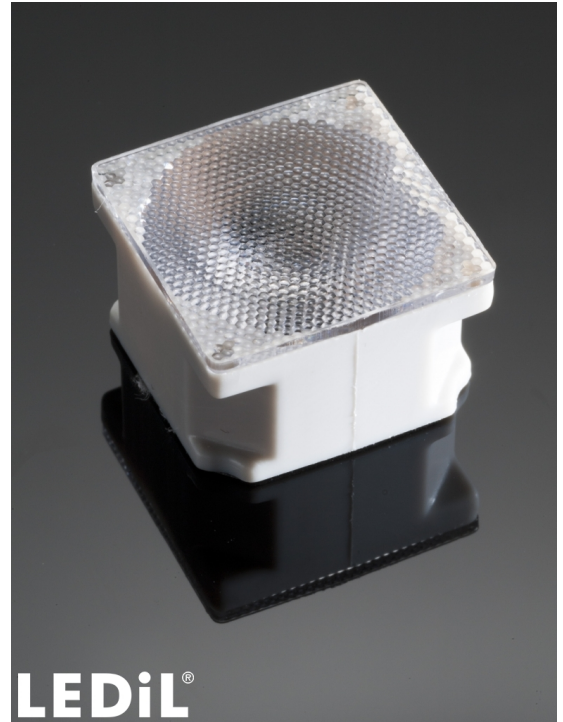


LAURA-SS-PIN

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

TECHNICAL SPECIFICATIONS:

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

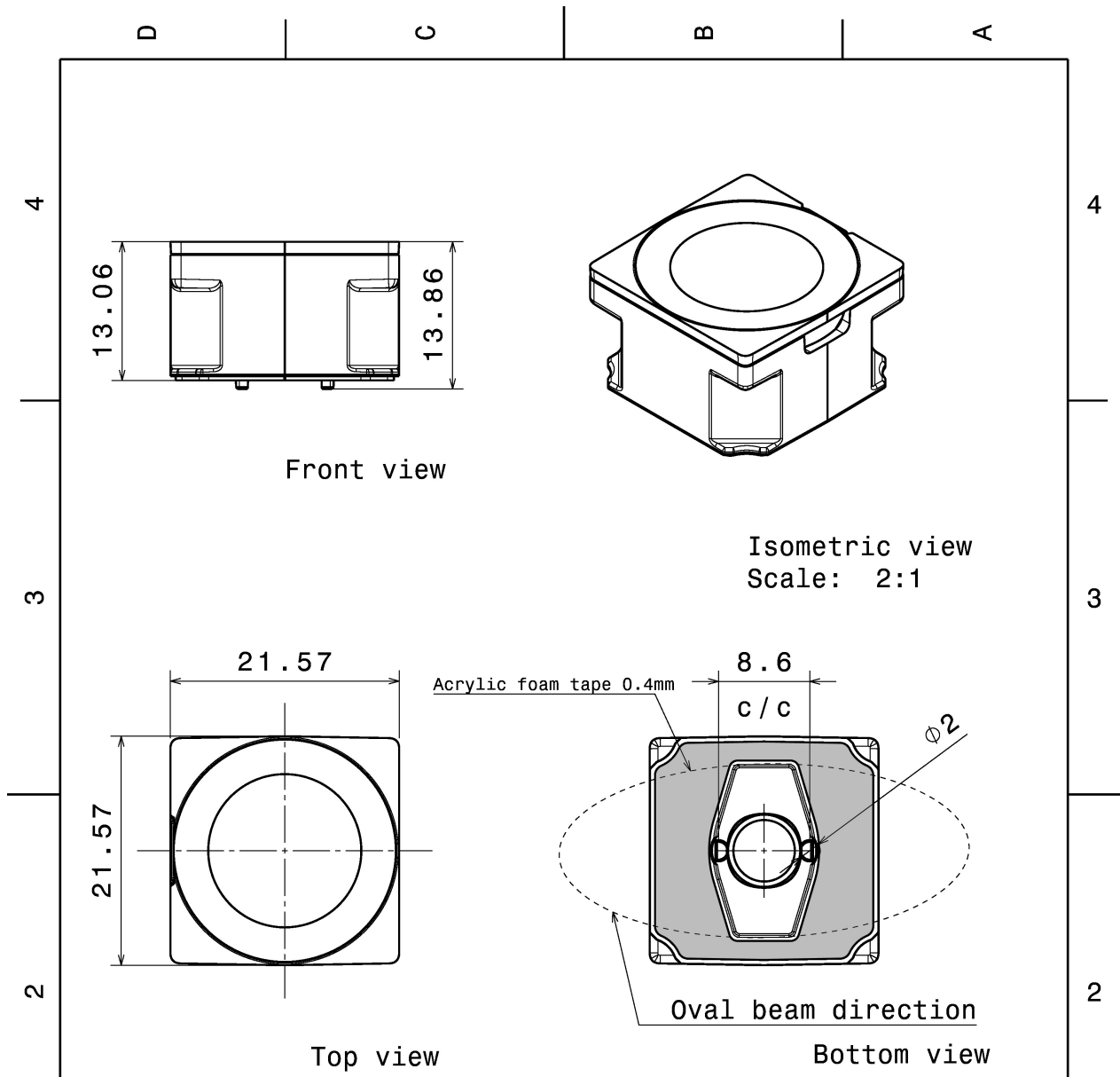


MATERIAL SPECIFICATIONS:

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



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 Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
LAURA-XP-PIN-WHT assembly

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SIZE	PART NUMBER
A4	-

SCALE	2:1	WEIGHT	9 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

CREE LED

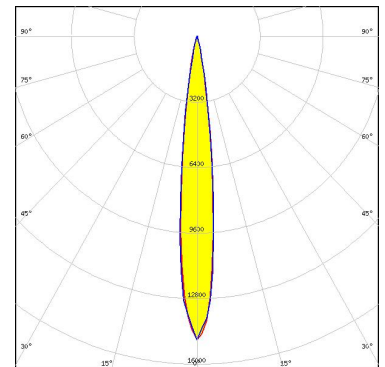
LED XB-D
FWHM / FWTM 11.0°
Efficiency 93 %
Peak intensity 14.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE LED

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 LED

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:



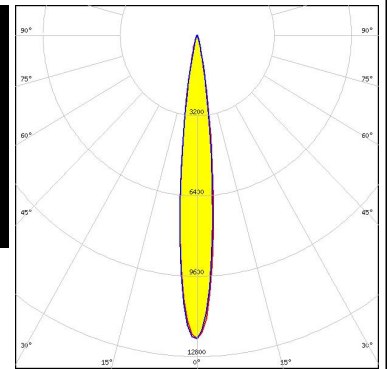
CREE LED

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

PHOTOMETRIC DATA (MEASURED):

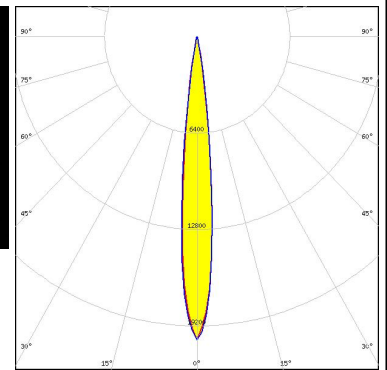
LUMILEDS

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:



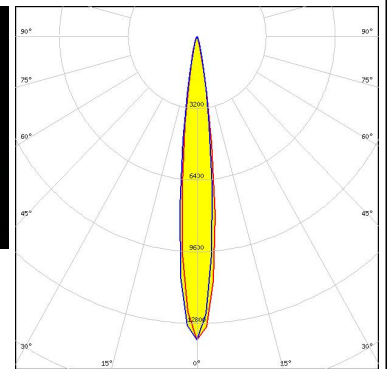
LUMILEDS

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:



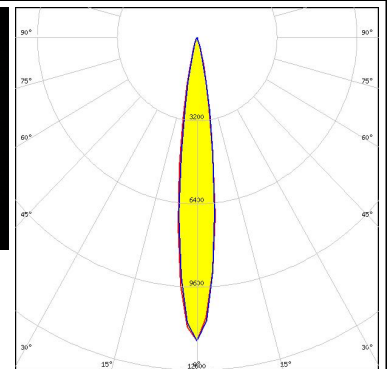
NICHIA

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:



PHOTOMETRIC DATA (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


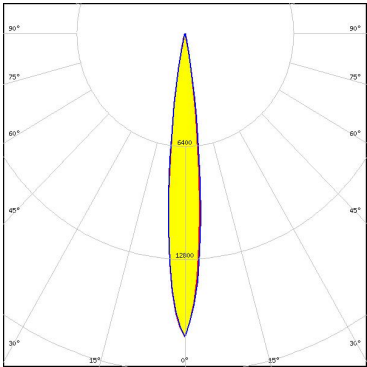

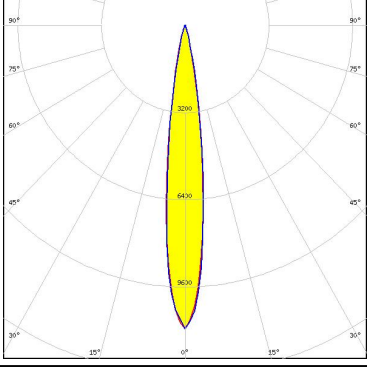



Opto Semiconductors

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



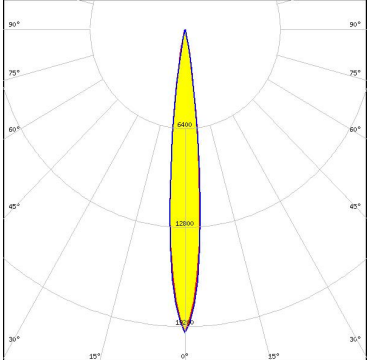

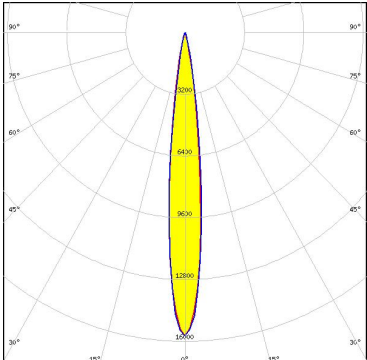

PHOTOMETRIC DATA (MEASURED):

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

PHOTOMETRIC DATA (SIMULATED):

		
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:		
		
		
LED	XP-G3	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	11.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
		
LED	LUXEON IR Domed 150	
FWHM / FWTM	14.0° / 24.0°	
Efficiency	0 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	LUXEON IR Domed 60	
FWHM / FWTM	12.0° / 25.0°	
Efficiency	94 %	
LEDs/each optic	1	
Light colour	White	
Required components:		

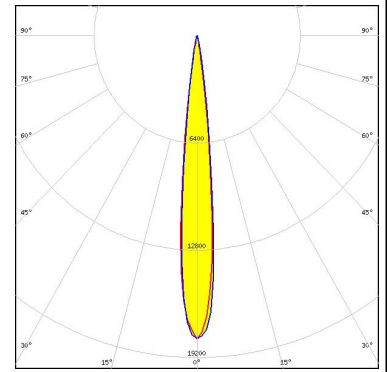
PHOTOMETRIC DATA (SIMULATED):

		
LED	LUXEON IR Domed 90	
FWHM / FWTM	12.0° / 24.0°	
Efficiency	94 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
 <small>Osram Opto Semiconductors</small>		
LED	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:		
		
 <small>Osram Opto Semiconductors</small>		
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:		
		
 <small>Osram Opto Semiconductors</small>		
LED	OSLON Square PC	
FWHM / FWTM	12.0°	
Efficiency	%	
LEDs/each optic	1	
Light colour	White	
Required components:		

PHOTOMETRIC DATA (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:

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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