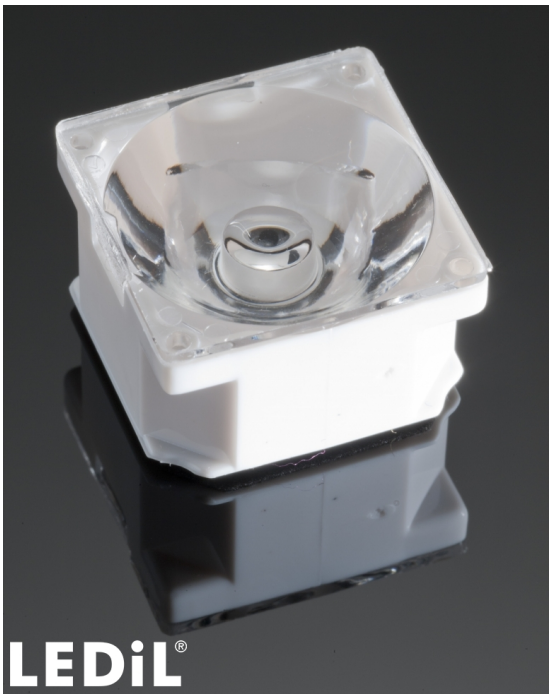
LAURA-RS-PIN

~8° spot beam optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.



TECHNICAL SPECIFICATIONS:

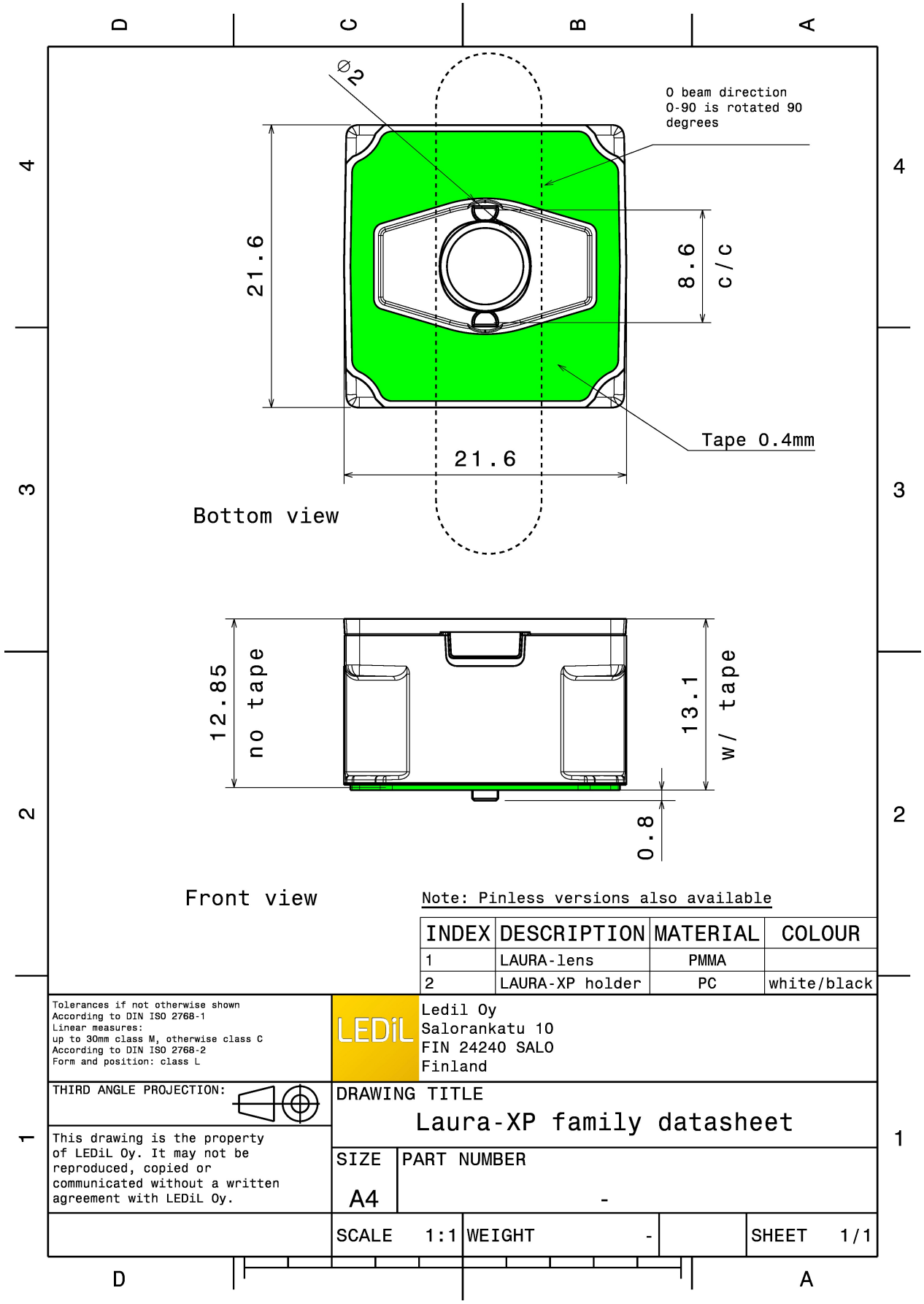
Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-RS	Single lens	PMMA	clear	
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)
CA11959_LAURA-RS-PIN	Single lens	1440	360	180	7.6
» Box size:					



Note: Pinless versions also available

INDEX	DESCRIPTION	MATERIAL	COLOUR
1	LAURA-lens	PMMA	
2	LAURA-XP holder	PC	white/black

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:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
Laura-XP family datasheet

SIZE A4 | PART NUMBER -

SCALE 1:1 | WEIGHT - | SHEET 1/1

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

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XP-E
FWHM / FWTM	8.0° / 16.0°
Efficiency	93 %
Peak intensity	33.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE

LED	XP-G
FWHM / FWTM	11.0°
Efficiency	93 %
LEDs/each optic	1
Light colour	White

Required components:

LUMILEDS

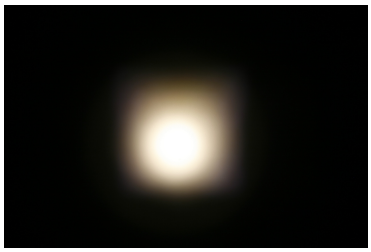
LED	LUXEON Rebel
FWHM / FWTM	7.0° / 16.0°
Efficiency	93 %
Peak intensity	34 cd/lm
LEDs/each optic	1
Light colour	White

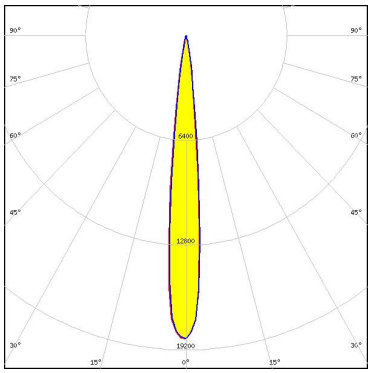
Required components:

LUMILEDS

LED	LUXEON T
FWHM / FWTM	11.0° / 21.0°
Efficiency	92 %
Peak intensity	18.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

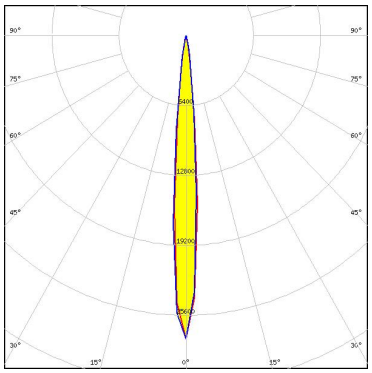




PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NCSxx19B
FWHM / FWTM	10.0° / 19.0°
Efficiency	91 %
Peak intensity	27.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

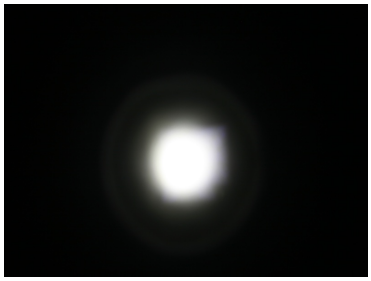


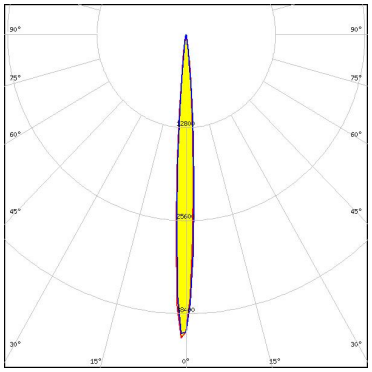
OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	9.0° / 18.0°
Efficiency	93 %
Peak intensity	20 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	7.0° / 14.0°
Efficiency	92 %
Peak intensity	42 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





OSRAM
Opto Semiconductors

LED	SFH 4725S
FWHM / FWTM	10.0° / 21.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

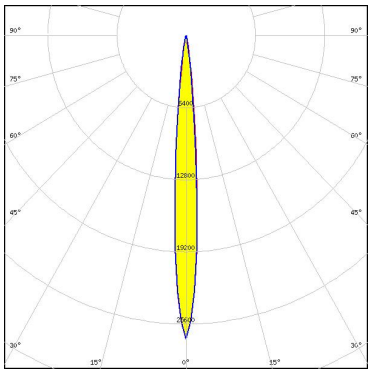
LED	Z5
FWHM / FWTM	7.0°
Efficiency	%
LEDs/each optic	1
Light colour	White

Required components:

PHOTOMETRIC DATA (SIMULATED):

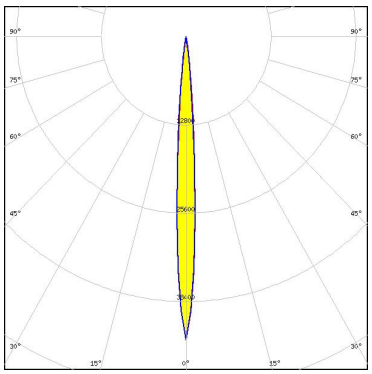
CREE

LED	XD16
FWHM / FWTM	8.6° / 18.0°
Efficiency	94 %
Peak intensity	26.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

LED	XP-E2
FWHM / FWTM	8.0° / 14.0°
Efficiency	95 %
Peak intensity	44 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	12.0° / 23.0°
Efficiency	92 %
Peak intensity	16.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 150
FWHM / FWTM	9.0° / 18.0°
Efficiency	0 %
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

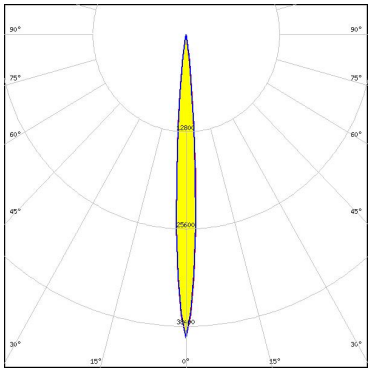
LED	LUXEON IR Domed 60
FWHM / FWTM	9.2° / 20.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 90
FWHM / FWTM	9.0° / 18.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

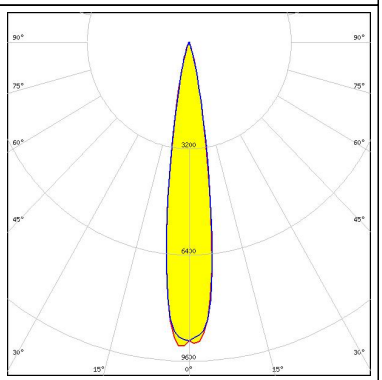
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	8.0° / 15.0°
Efficiency	95 %
Peak intensity	39.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

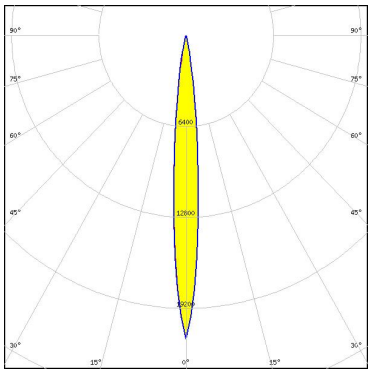
LED	NV4WB35AM
FWHM / FWTM	16.0° / 30.0°
Efficiency	96 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

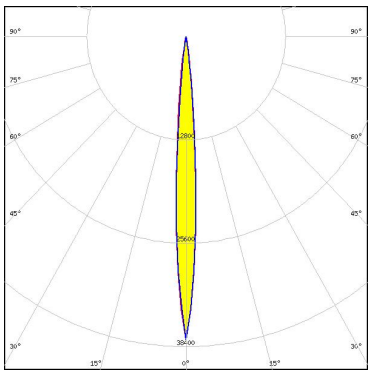
NICHIA

LED	NVSxE21A
FWHM / FWTM	10.0° / 21.0°
Efficiency	94 %
Peak intensity	21.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



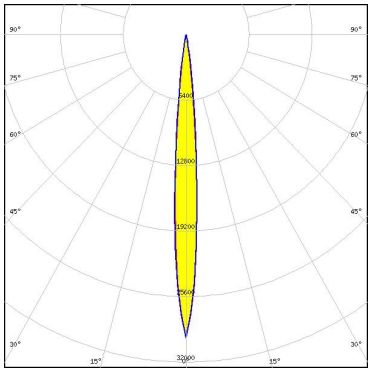
OSRAM
Opto Semiconductors

LED	KW CULPM1.TG
FWHM / FWTM	8.0° / 16.0°
Efficiency	96 %
Peak intensity	37.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



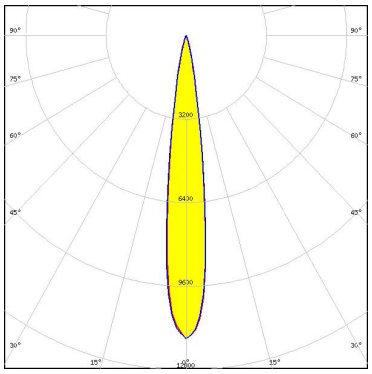
OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	8.0° / 18.0°
Efficiency	96 %
Peak intensity	29.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

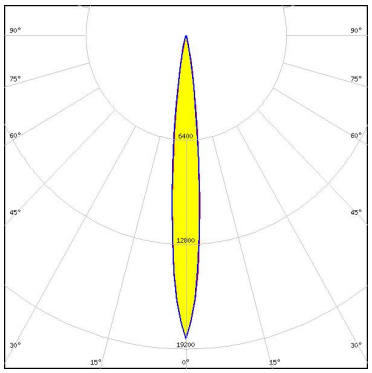
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	14.0° / 27.0°
Efficiency	94 %
Peak intensity	11.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

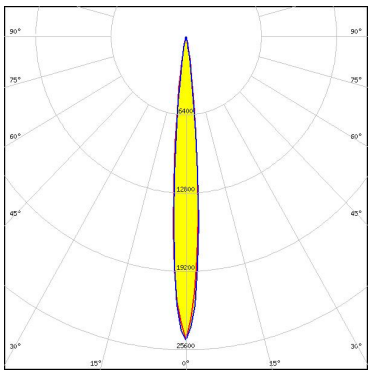
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	10.0° / 22.0°
Efficiency	96 %
Peak intensity	18.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



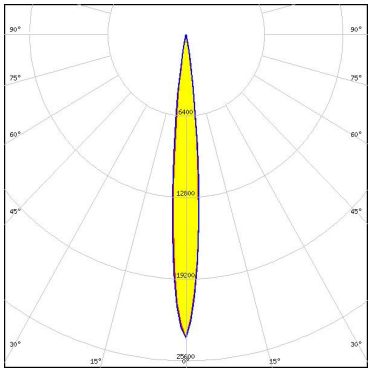
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	9.5° / 19.0°
Efficiency	94 %
Peak intensity	24.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	10.0° / 19.0°
Efficiency	94 %
Peak intensity	23.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	9.5°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4770S
FWHM / FWTM	10.0° / 23.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG

LED	LM301B
FWHM / FWTM	9.0° / 19.0°
Efficiency	94 %
Peak intensity	24.5 cd/lm
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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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

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