

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 ⓘ

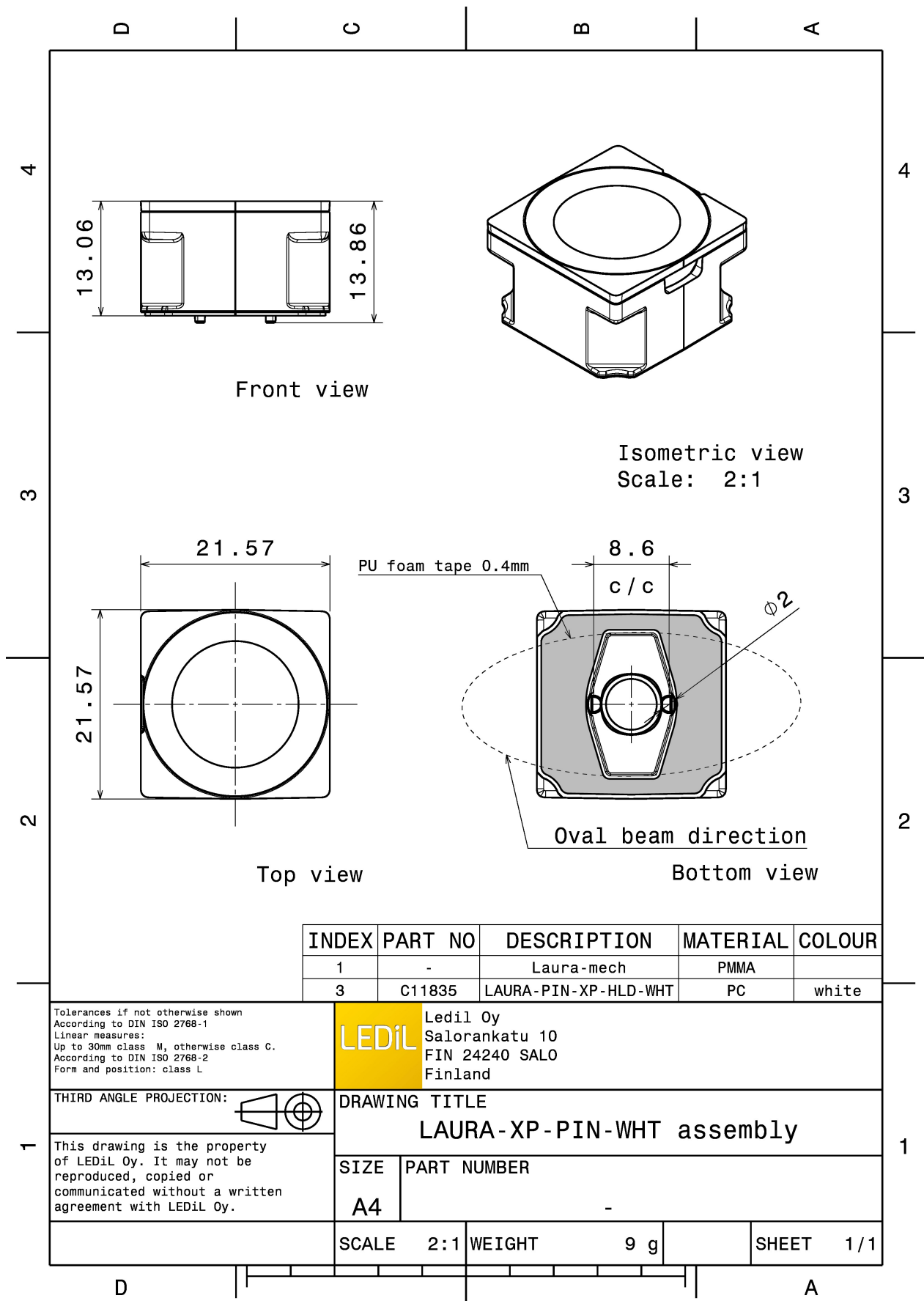


MATERIAL SPECIFICATIONS:

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					



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

PHOTOMETRIC DATA (MEASURED):

CREE LED

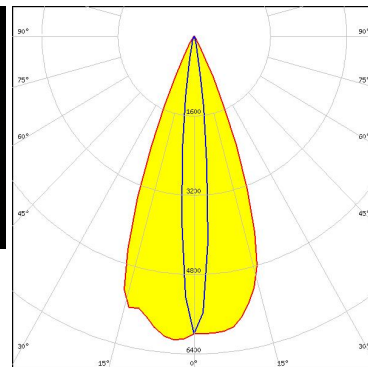
LED XB-D
FWHM / FWTM 39.0 + 11.0°
Efficiency 94 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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:

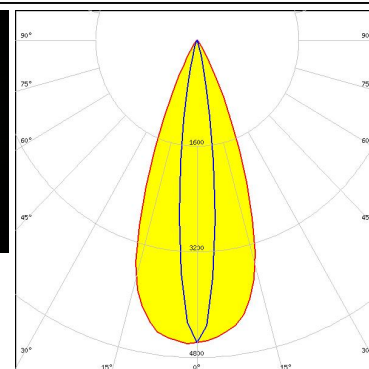
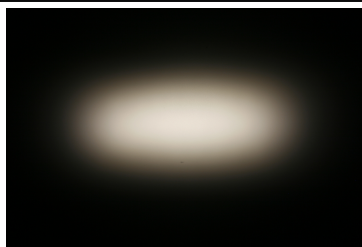
PHOTOMETRIC DATA (MEASURED):

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:



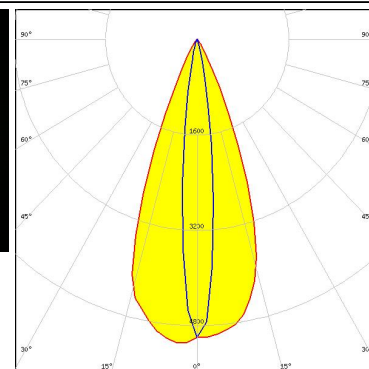
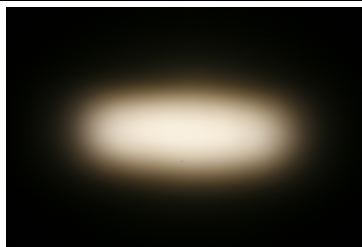
LUMILEDS

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:

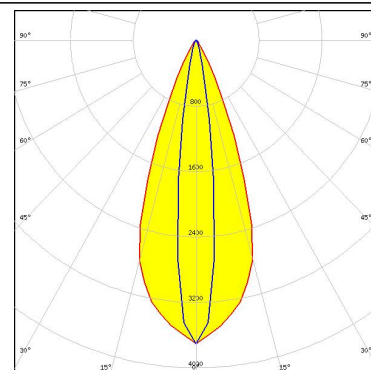


PHOTOMETRIC DATA (MEASURED):

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:

SEOL 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:	

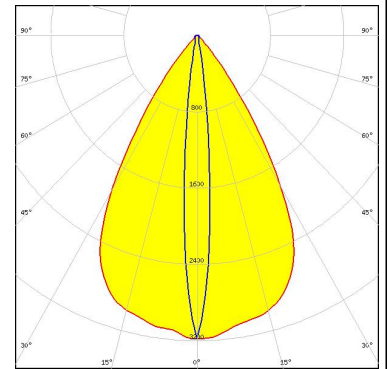
LUMILEDS

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:	

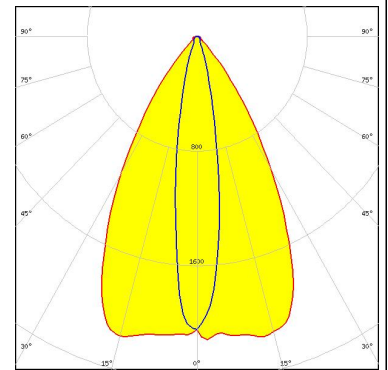
PHOTOMETRIC DATA (SIMULATED):



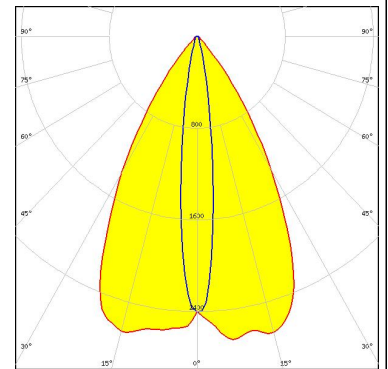
LED NCSxE17A
FWHM / FWTM 62.0 + 10.0° / 84.0 + 20.0°
Efficiency 91 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



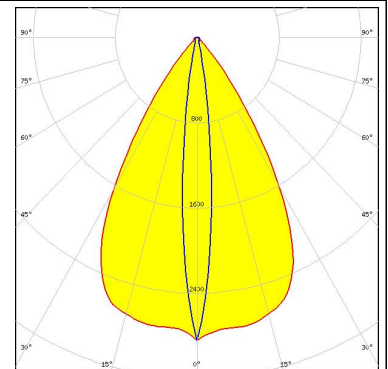
LED NV4WB35AM
FWHM / FWTM 60.0 + 18.0° / 86.0 + 38.0°
Efficiency 90 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW219F
FWHM / FWTM 60.0 + 14.0° / 84.0 + 30.0°
Efficiency 89 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxE21A
FWHM / FWTM 62.0 + 12.0° / 84.0 + 24.0°
Efficiency 91 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

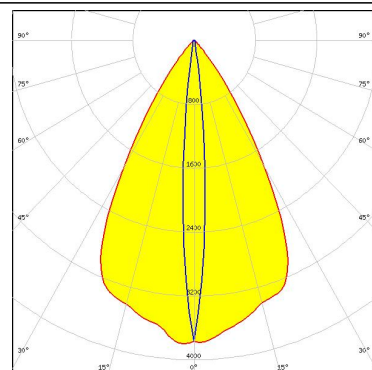


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

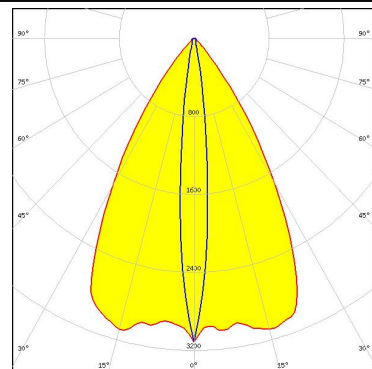
LED OSLON Signal
FWHM / FWTM 60.0 + 8.0° / 80.0 + 18.0°
Efficiency 91 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



OSRAM

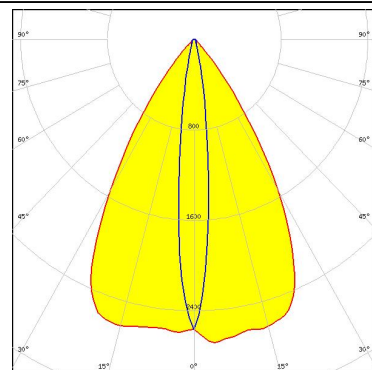
Opto Semiconductors

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:



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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