

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 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

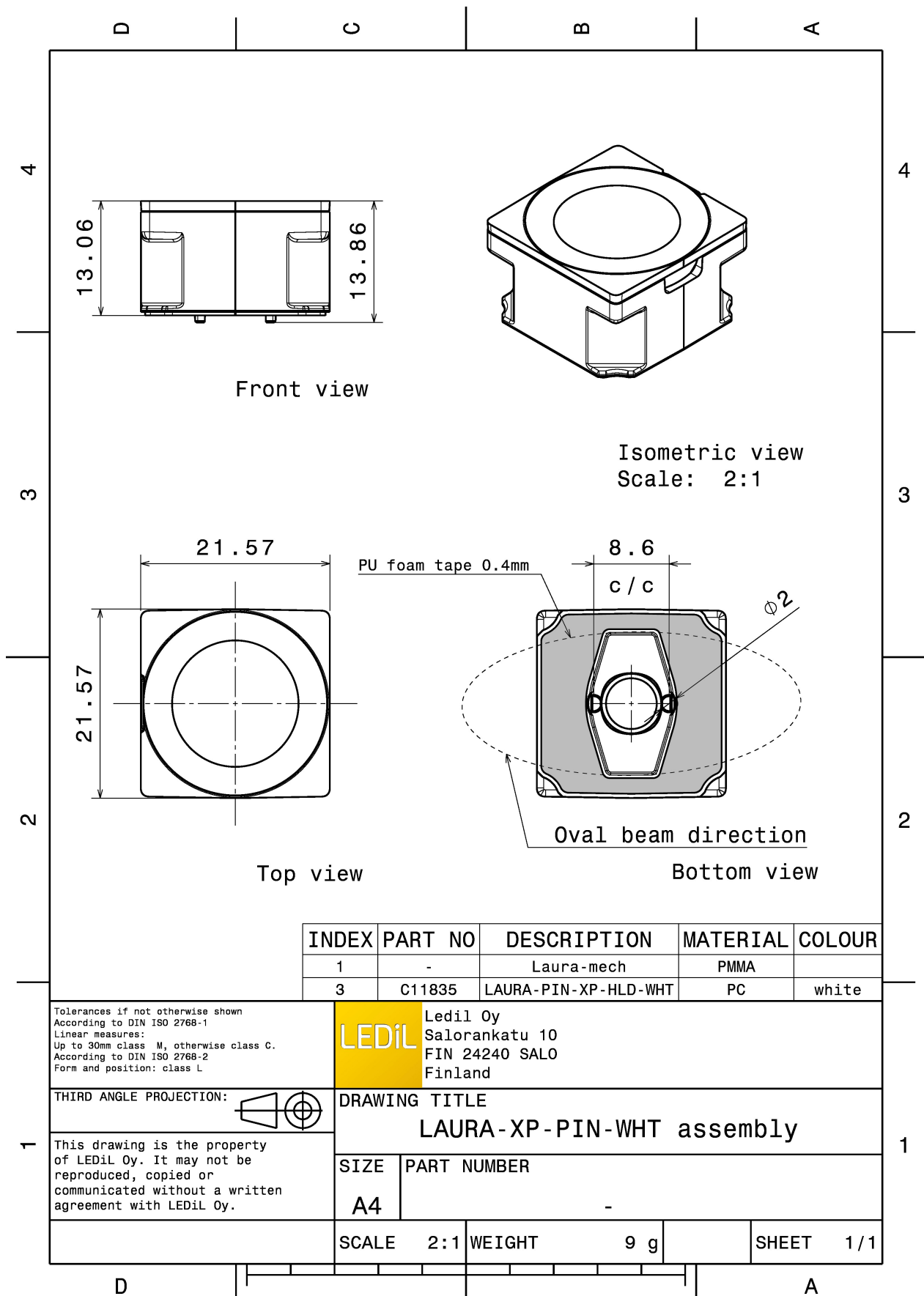
MATERIAL SPECIFICATIONS:

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





PHOTOMETRIC DATA (MEASURED):

CREE

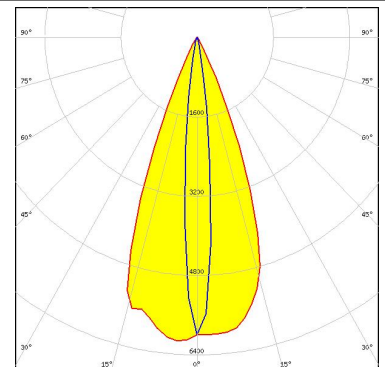
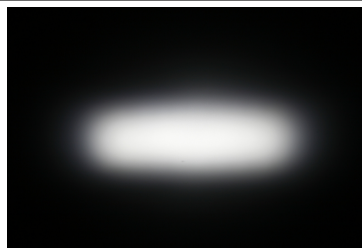
LED XB-D
FWHM 39.0 + 11.0°
Efficiency 94 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE

LED XP-E
FWHM 40.0 + 13.0°
Efficiency 91 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE

LED XP-E2
FWHM 41.0 + 10.0°
Efficiency 91 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

LED XP-G
FWHM 40.0 + 13.0°
Efficiency 91 %
LEDs/each optic 1
Light colour White
Required components:

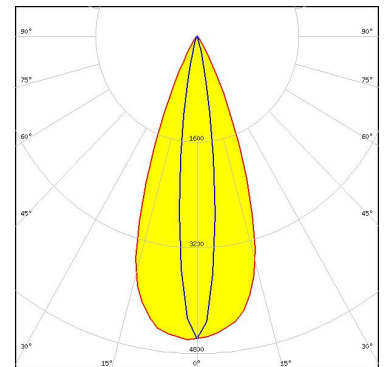
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON Rebel
FWHM $41.0 \pm 12.0^\circ$
Efficiency 90 %
Peak intensity 5 cd/Im
LEDs/each optic 1
Light colour White
Required components:

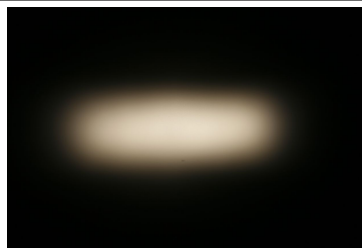
LUMILEDS

LED LUXEON Rebel ES
FWHM $41.0 \pm 14.0^\circ$
Efficiency 90 %
Peak intensity 4.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



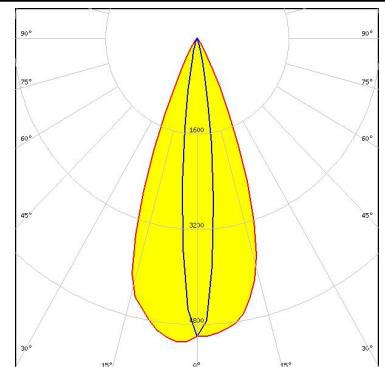
LUMILEDS

LED LUXEON Z ES
FWHM $40.0 \pm 11.0^\circ$
Efficiency 91 %
Peak intensity 6.2 cd/Im
LEDs/each optic 1
Light colour White
Required components:



NICHIA

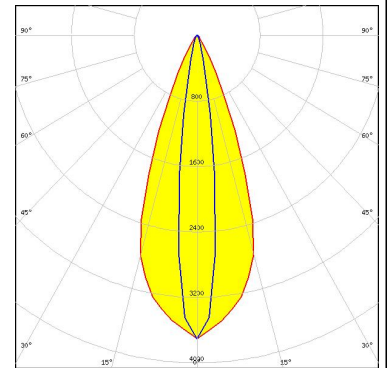
LED NCSxx19B
FWHM $41.0 \pm 13.0^\circ$
Efficiency 90 %
Peak intensity 5.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED OSLON Square EC
FWHM 39.0 + 14.0°
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 40.0 + 12.0°
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 36.0 + 10.0°
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 40.0 + 12.0°
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 41.0 + 14.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM
Opto Semiconductors

LED SFH 4725S
FWHM 40.0 + 14.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

SEOL
SEOUL SEMICONDUCTOR

LED Z5
FWHM 40.0 + 12.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON H50-2
FWHM 13.0 + 61.0°
Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON IR Domed 150
FWHM 67.0 + 10.0°
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON IR Domed 60
FWHM 65.0 + 11.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:

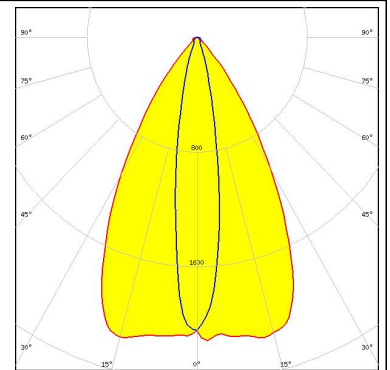
LUMILEDS

LED LUXEON IR Domed 90
FWHM 63.0 + 11.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:

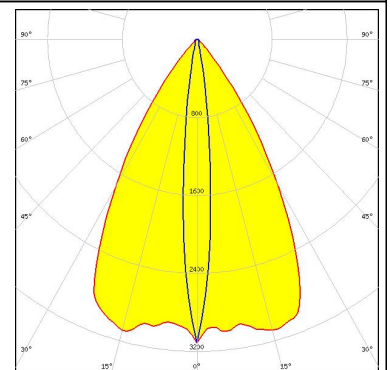
PHOTOMETRIC DATA (SIMULATED):



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



LED OSOLON Square CSSRM2/CSSRM3
 FWHM 62.0 + 11.0°
 Efficiency 91 %
 Peak intensity 3.1 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

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salu, Finland
Hong Kong, China

Distribution Partners

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