

LAURA-W-PIN

~40° wide beam optimized for CREE XP-E.
Assembly with white holder, installation tape
and location pins.

SPECIFICATION:

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



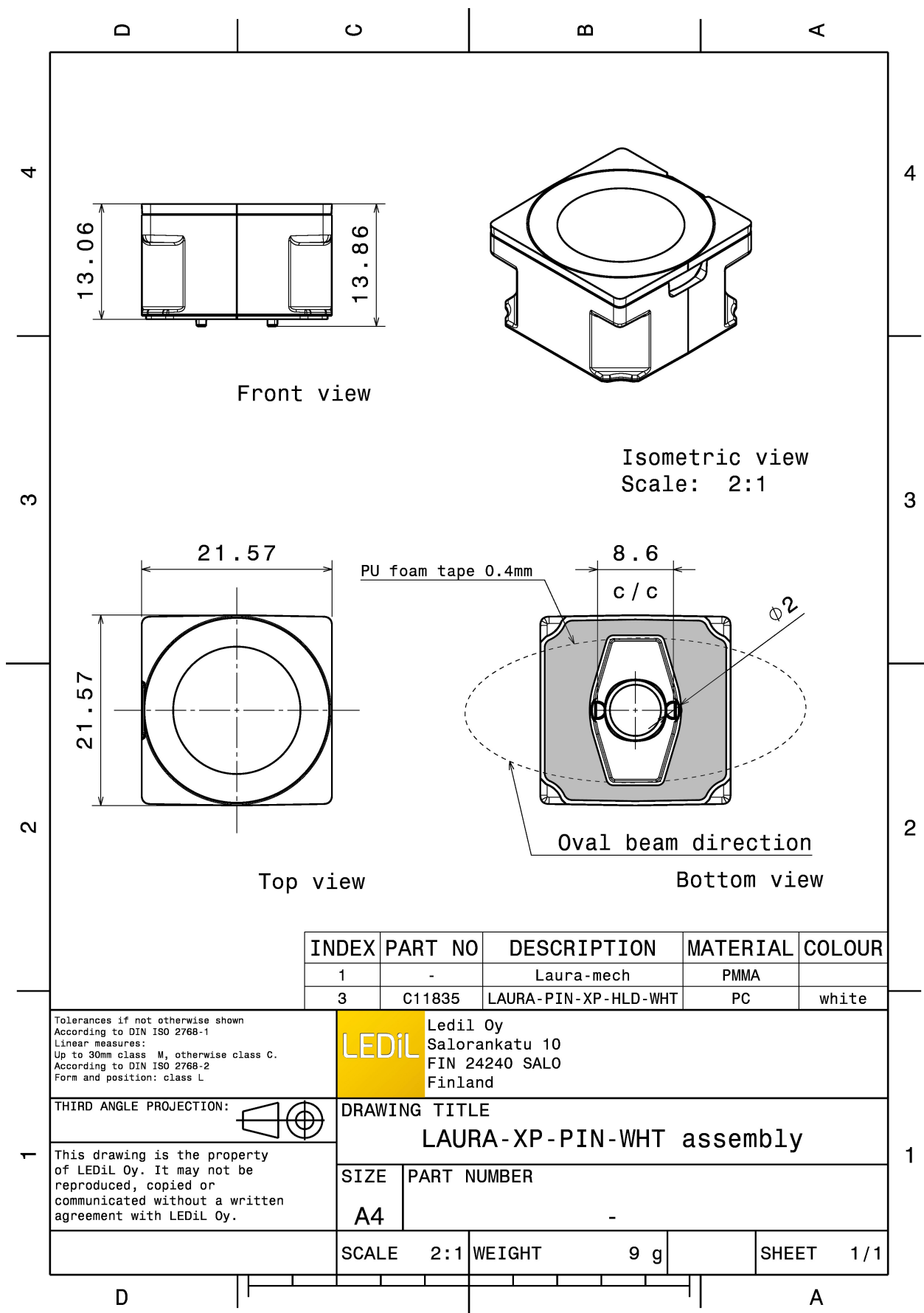
LEDiL

MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-W	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)
CA12344_LAURA-W-PIN	Single lens	1440	360	180	7.8
» Box size:					



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

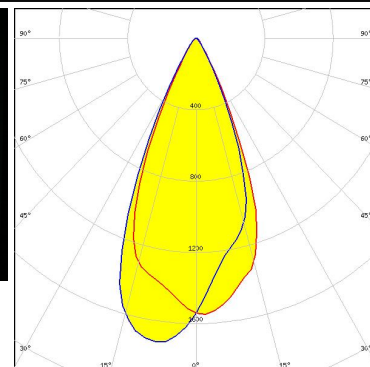
OPTICAL RESULTS (MEASURED):



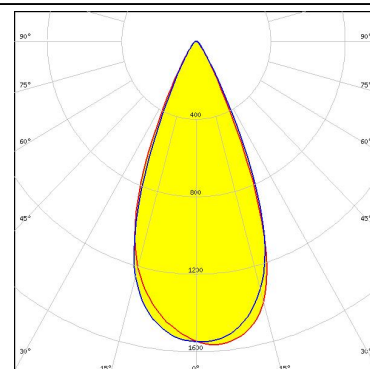
LED XB-D
FWHM / FWTM 42.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E
FWHM / FWTM 47.0° / 65.0°
Efficiency 92 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G
FWHM / FWTM 46.0° / 65.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

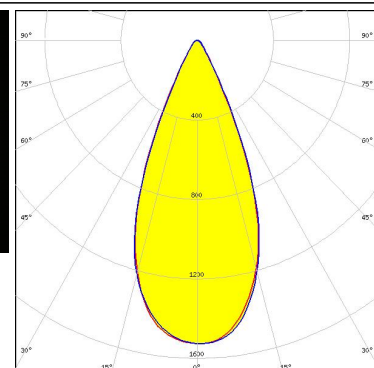
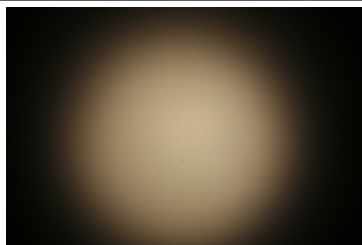


LED LUXEON Rebel
FWHM / FWTM 44.0° / 62.0°
Efficiency 88 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (MEASURED):

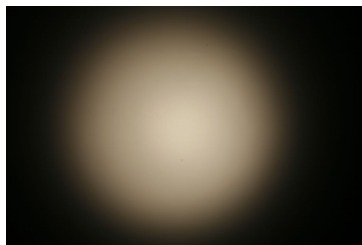
LUMILEDS

LED LUXEON T
FWHM / FWTM 46.0° / 68.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



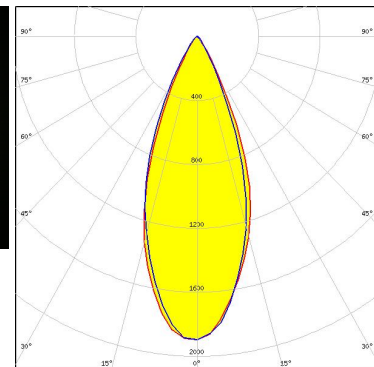
LUMILEDS

LED LUXEON Z ES
FWHM / FWTM 38.0° / 60.0°
Efficiency 92 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



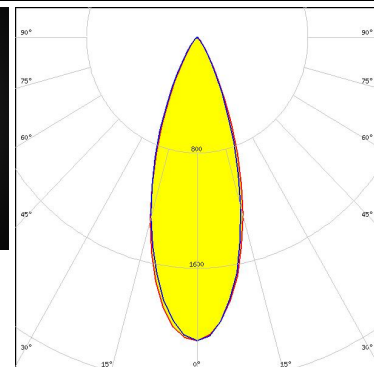
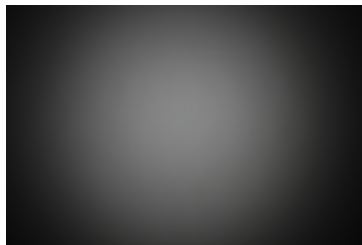
NICHIA

LED NCSxx19B
FWHM / FWTM 41.0° / 65.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:


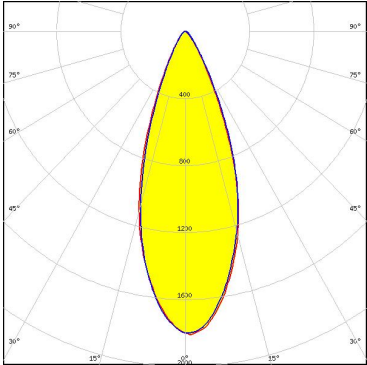
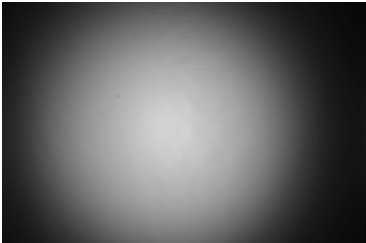
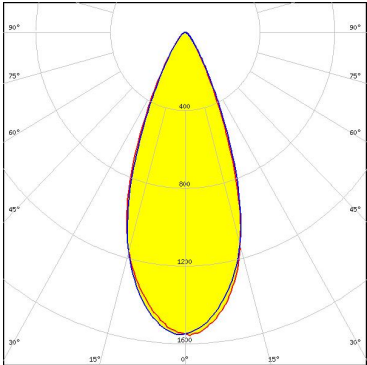


NICHIA

LED NF2x757D
FWHM / FWTM 36.0° / 63.0°
Efficiency 87 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



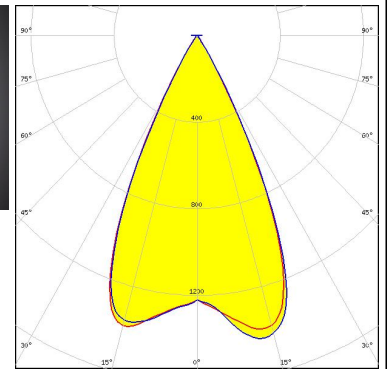
OPTICAL RESULTS (MEASURED):

<div><div>OSRAM</div><div>Opto Semiconductors</div></div> <div><div>LED</div><div>OSLON Square EC</div></div> <div><div>FWHM / FWTM</div><div>44.0° / 64.0°</div></div> <div><div>Efficiency</div><div>89 %</div></div> <div><div>LEDs/each optic</div><div>1</div></div> <div><div>Light colour</div><div>White</div></div> <div><div>Required components:</div><div></div></div>		
<div><div>OSRAM</div><div>Opto Semiconductors</div></div> <div><div>LED</div><div>OSLON SSL 150</div></div> <div><div>FWHM / FWTM</div><div>38.0° / 65.0°</div></div> <div><div>Efficiency</div><div>87 %</div></div> <div><div>Peak intensity</div><div>1.8 cd/lm</div></div> <div><div>LEDs/each optic</div><div>1</div></div> <div><div>Light colour</div><div>White</div></div> <div><div>Required components:</div><div></div></div>		
<div><div>OSRAM</div><div>Opto Semiconductors</div></div> <div><div>LED</div><div>OSLON SSL 80</div></div> <div><div>FWHM / FWTM</div><div>42.0° / 68.0°</div></div> <div><div>Efficiency</div><div>87 %</div></div> <div><div>Peak intensity</div><div>1.6 cd/lm</div></div> <div><div>LEDs/each optic</div><div>1</div></div> <div><div>Light colour</div><div>White</div></div> <div><div>Required components:</div><div></div></div>		

OPTICAL RESULTS (SIMULATED):



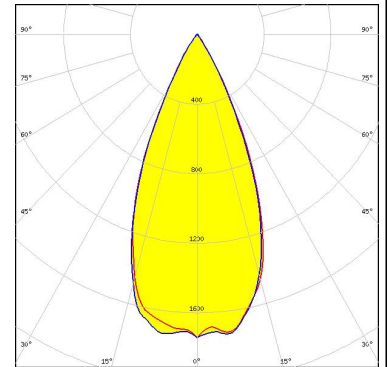
LED XP-G3
 FWHM / FWTM 48.0° / 62.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



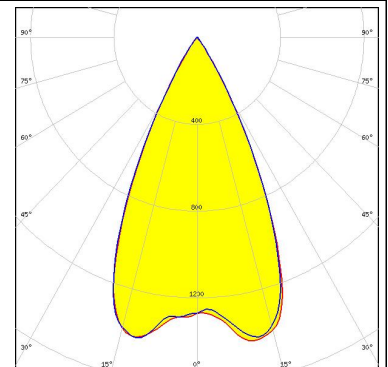
LED LUXEON H50-2
 FWHM / FWTM 51.0° / 67.0°
 Efficiency 92 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NV4WB35AM
 FWHM / FWTM 46.0° / 66.0°
 Efficiency 97 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 50.0° / 68.0°
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	47.0° / 67.0°
Efficiency	96 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOLUX
SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	46.0°
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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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

Local sales and technical support

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

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

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