

LAURA-M-PIN

~30° medium 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 ⓘ

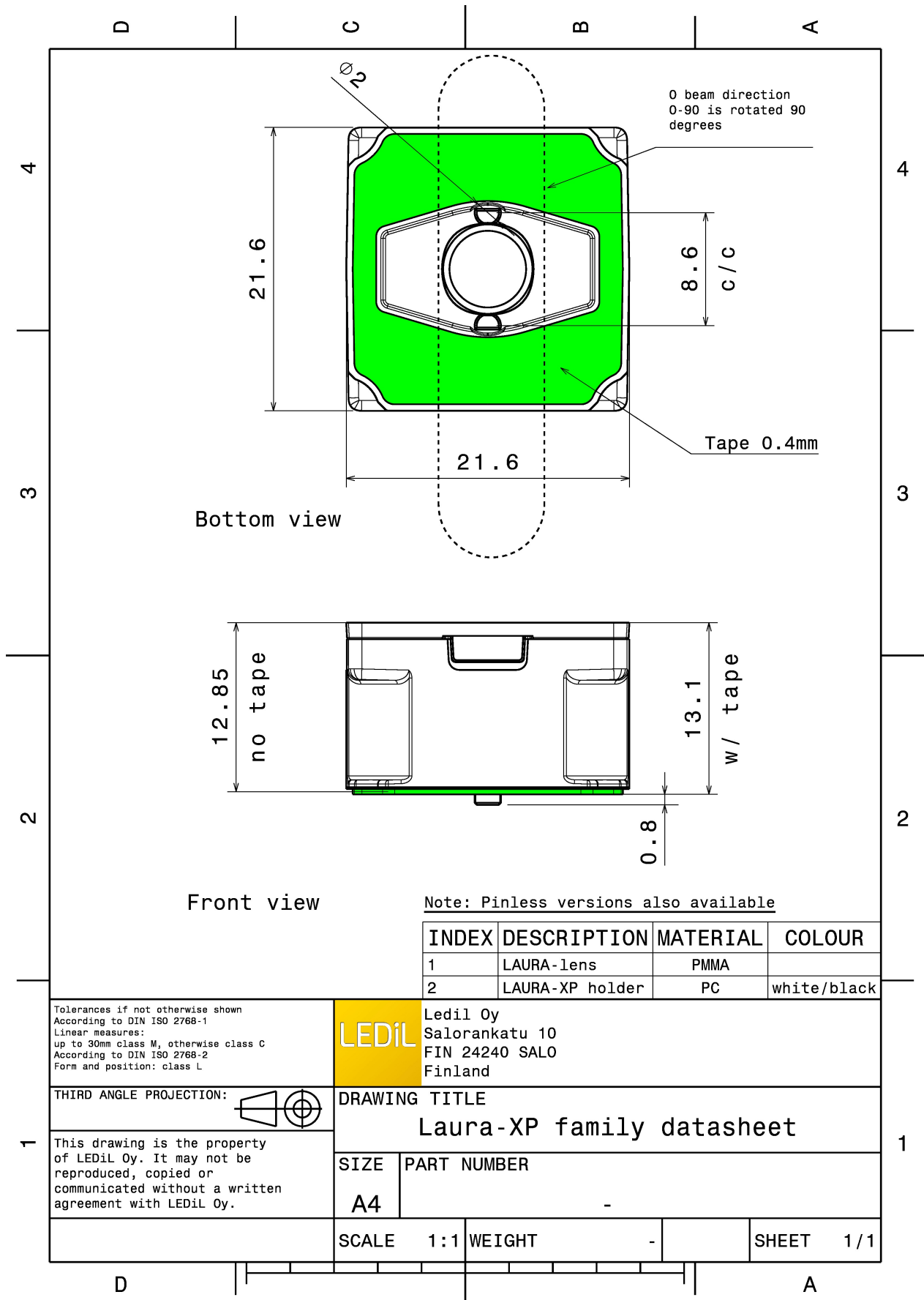


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-M	Single lens	PMMA	clear	
LAURA-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA11837_LAURA-M-PIN » Box size: 460 x 260 x 200 mm	Single lens	1440	360	180	8.0



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

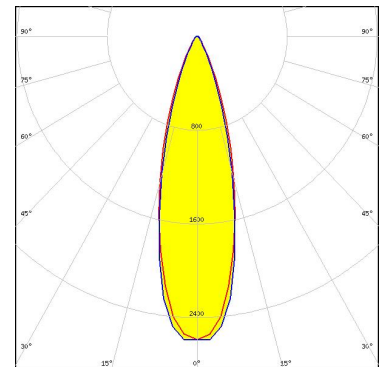
PHOTOMETRIC DATA (MEASURED):

CREE → LED

LED XB-D
 FWHM / FWTM 28.0°
 Efficiency 92 %
 Peak intensity 2.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

CREE → LED

LED XP-E
 FWHM / FWTM 30.0° / 53.0°
 Efficiency 92 %
 Peak intensity 2.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

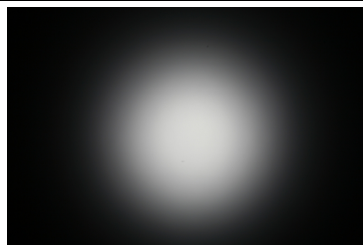


CREE → LED

LED XP-E-HEW
 FWHM / FWTM 27.0° / 52.0°
 Efficiency 85 %
 Peak intensity 2.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

CREE → LED

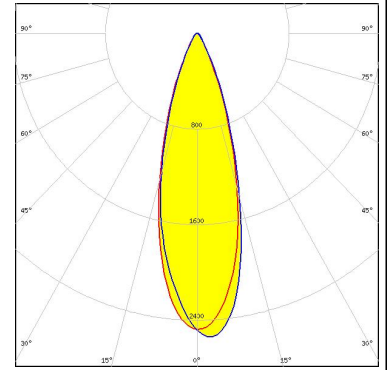
LED XP-E2
 FWHM / FWTM 28.0° / 54.0°
 Efficiency 88 %
 Peak intensity 3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):



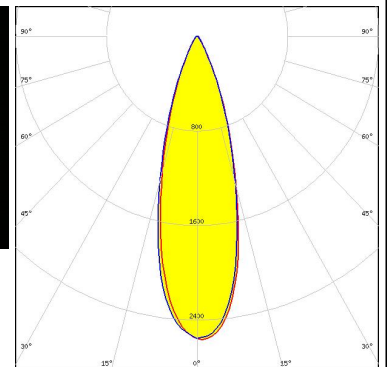
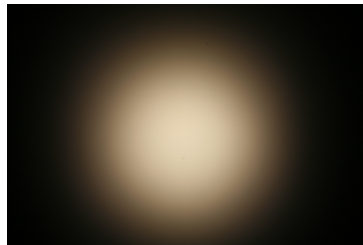
LED XP-G
 FWHM / FWTM 30.0°
 Efficiency 93 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



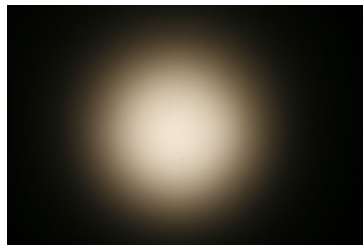
LED LUXEON Rebel
 FWHM / FWTM 27.0° / 52.0°
 Efficiency 88 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




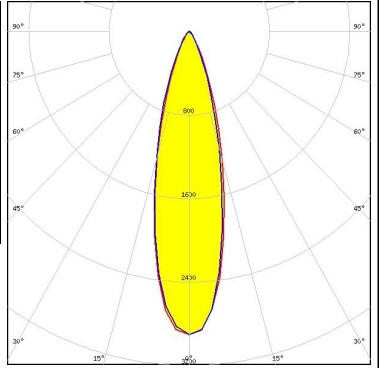
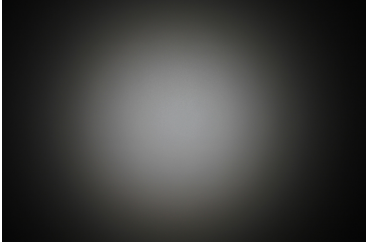
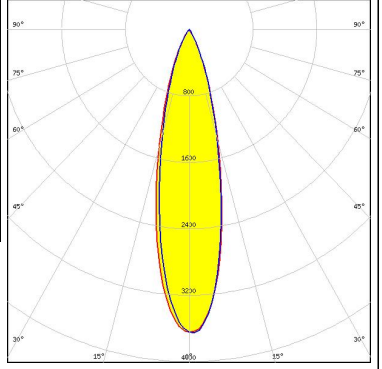
LED LUXEON T
 FWHM / FWTM 30.0° / 56.0°
 Efficiency 89 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON Z ES
 FWHM / FWTM 26.0° / 50.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 28.0° / 54.0° Efficiency 86 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NF2x757D FWHM / FWTM 25.0° / 51.0° Efficiency 88 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC FWHM / FWTM 27.0° / 54.0° Efficiency 86 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON SSL 150 FWHM / FWTM 26.0° / 50.0° Efficiency 87 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 30.0° / 56.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OSRAM

Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 22.0° / 48.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:



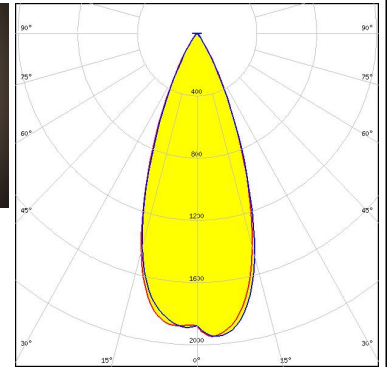
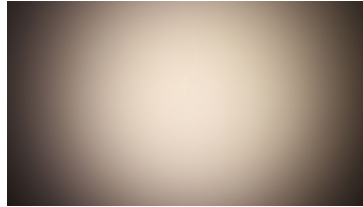
SEOUL SEMICONDUCTOR

LED Z5
FWHM / FWTM 29.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):



LED XP-G3
FWHM / FWTM 39.0° / 62.0°
Efficiency 93 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON H50-2
FWHM / FWTM 32.5° / 52.0°
Efficiency 85 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

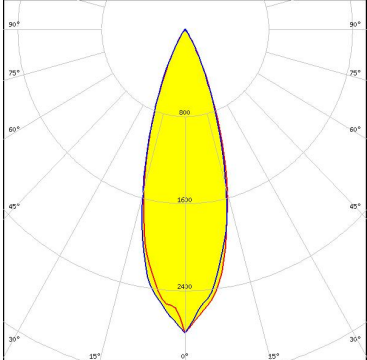
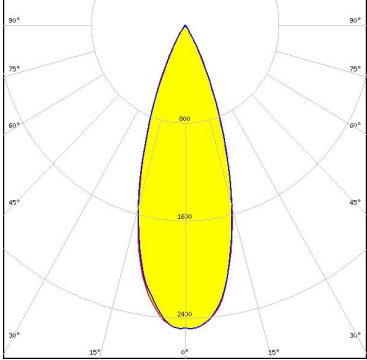
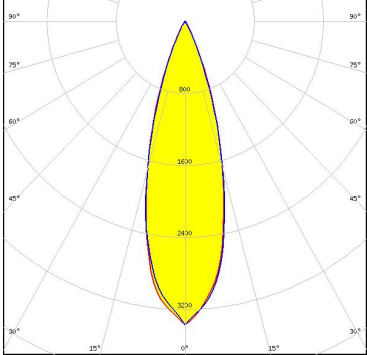


LED LUXEON IR Domed 150
FWHM / FWTM 20.0° / 41.0°
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON IR Domed 60
FWHM / FWTM 25.0° / 44.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

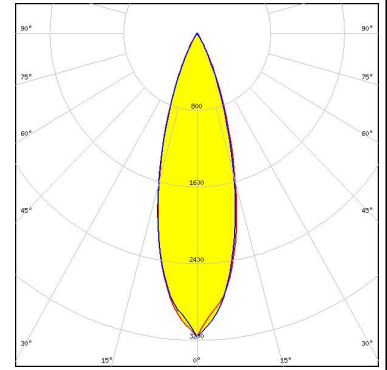
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON IR Domed 90 FWHM / FWTM: 25.0° / 48.0° Efficiency: 94 % LEDs/each optic: 1 Light colour: White Required components:</p>	<p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 32.0° / 56.0° Efficiency: 96 % Peak intensity: 2.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> 
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: 36.0° / 58.0° Efficiency: 94 % Peak intensity: 2.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSLOM Signal FWHM / FWTM: 30.0° / 51.0° Efficiency: 96 % Peak intensity: 3.4 cd/lm LEDs/each optic: 1 Light colour: Red Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 30.0° / 54.0°
Efficiency 94 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM Opto Semiconductors

LED OSLON Square PC
FWHM / FWTM 29.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM Opto Semiconductors

LED SFH 4715S
FWHM / FWTM 30.0°
Efficiency 85 %
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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