

LAURA-W-PIN

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

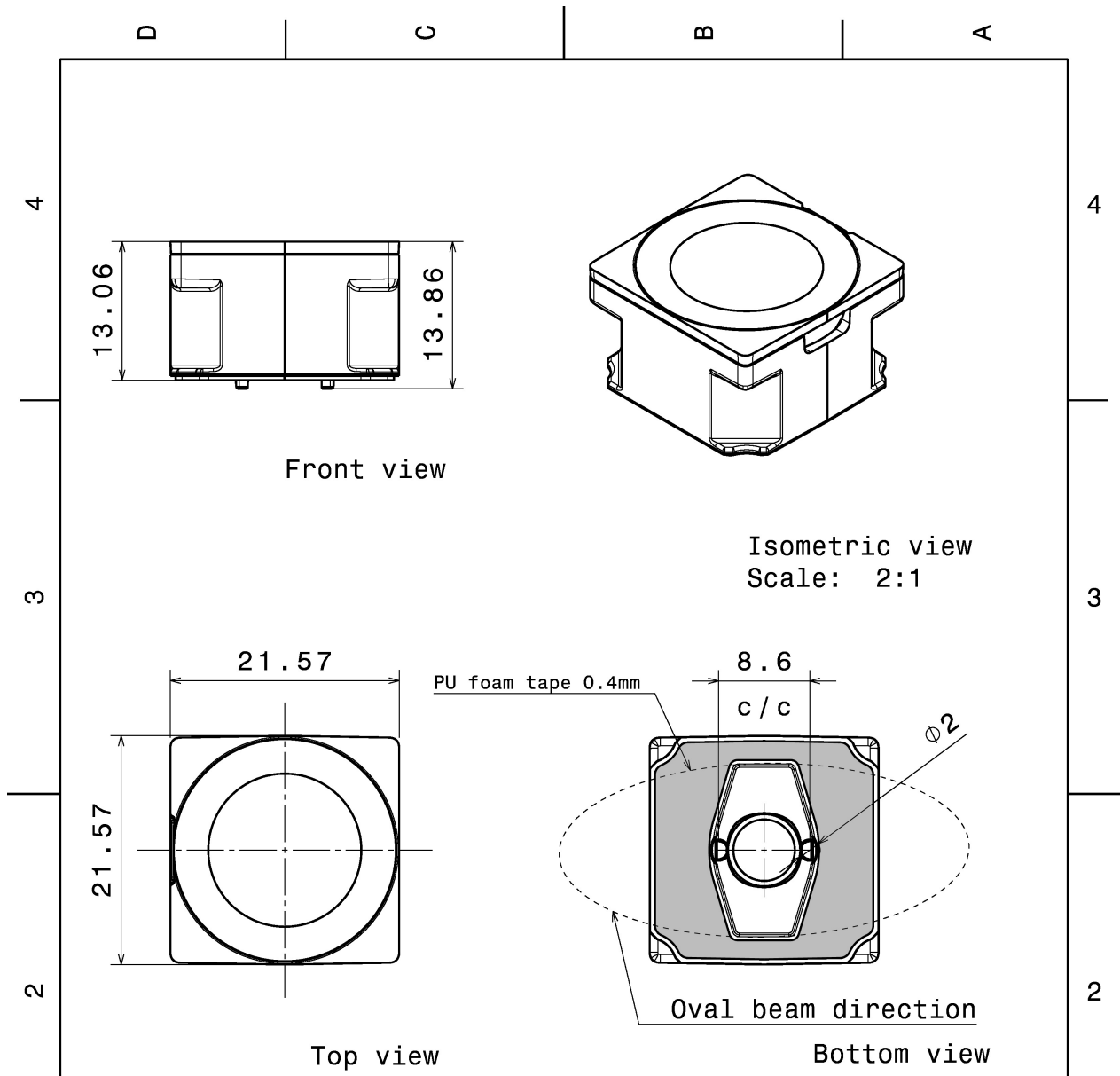
TECHNICAL SPECIFICATIONS:

Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	7.8 kg
Quantity in Box	1440 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

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



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	Laura-mech	PMMA	
3	C11835	LAURA-PIN-XP-HLD-WHT	PC	white

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



Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

LAURA-XP-PIN-WHT assembly

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SIZE PART NUMBER

A4

-

SCALE 2:1 WEIGHT 9 g SHEET 1/1

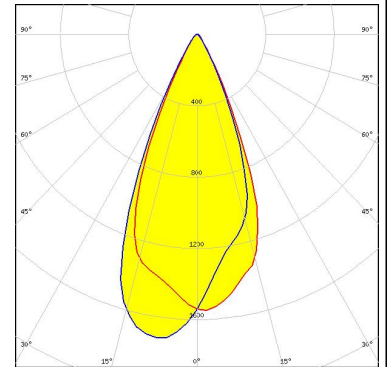
PHOTOMETRIC DATA (MEASURED):

CREE

LED XB-D
FWHM 42.0°
Efficiency 86 %
Peak intensity 1.520 cd/lm
LEDs/each optic 1
Light colour White
Required components:

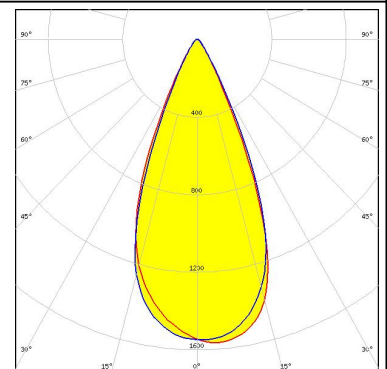
CREE

LED XP-E
FWHM 47.0°
Efficiency 92 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

LED XP-G
FWHM 46.0°
Efficiency 91 %
Peak intensity 1.550 cd/lm
LEDs/each optic 1
Light colour White
Required components:



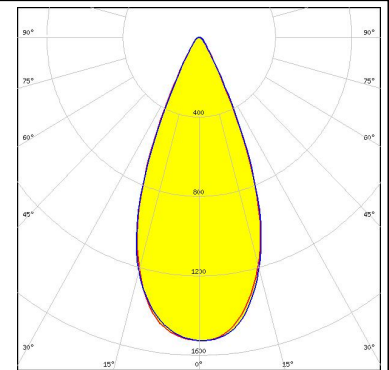
LUMILEDS

LED LUXEON Rebel
FWHM 44.0°
Efficiency 88 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (MEASURED):

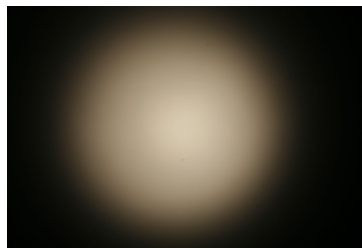
LUMILEDS

LED LUXEON T
 FWHM 46.0°
 Efficiency 88 %
 Peak intensity 1.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



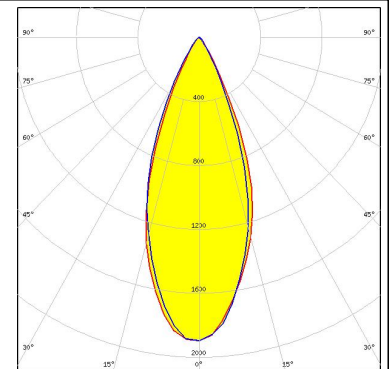
LUMILEDS

LED LUXEON Z ES
 FWHM 38.0°
 Efficiency 92 %
 Peak intensity 2.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



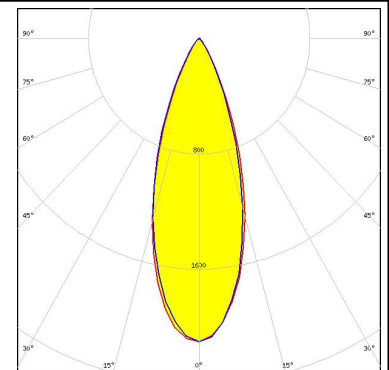
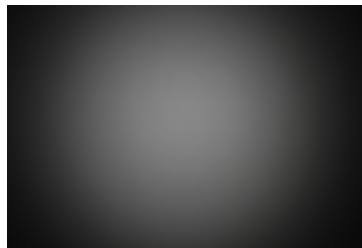
NICHIA

LED NCSxx19B
 FWHM 41.0°
 Efficiency 90 %
 Peak intensity 1.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NF2x757D
 FWHM 36.0°
 Efficiency 87 %
 Peak intensity 2.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



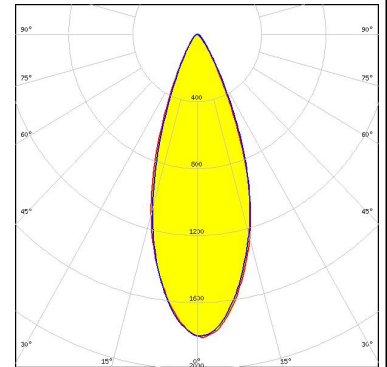
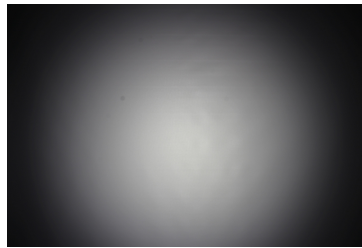
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM 44.0°
Efficiency 89 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

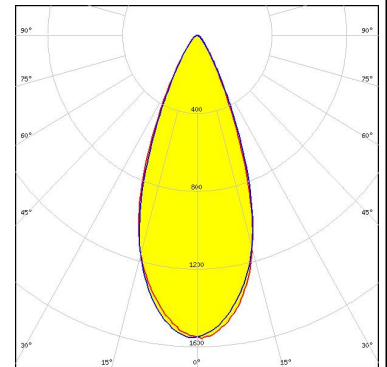
OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 38.0°
Efficiency 87 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM
Opto Semiconductors

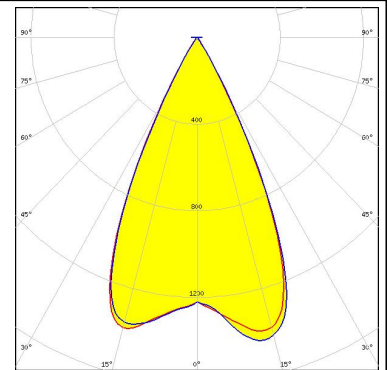
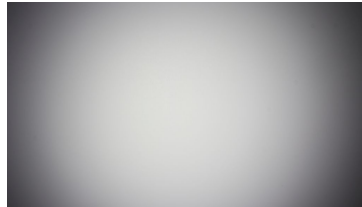
LED OSLON SSL 80
FWHM 42.0°
Efficiency 87 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



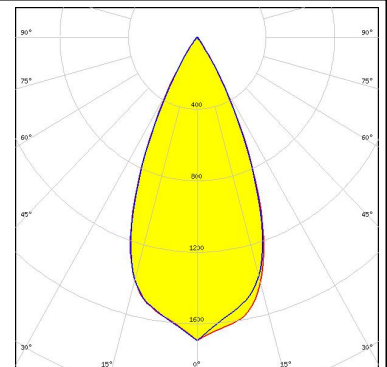
LED XP-G3
FWHM 48.0°
Efficiency 93 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON H50-2
FWHM 51.0°
Efficiency 92 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSOLON Square CSSRM2/CSSRM3
FWHM 47.0°
Efficiency 96 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Z5
FWHM 46.0°
Efficiency %
Peak intensity 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

Salo, Finland
Hong Kong, China

Distribution Partners

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