

LAURA-RS

~8° spot beam optimized for CREE XP-E.
Assembly with black holder and installation
tape.

SPECIFICATION:

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

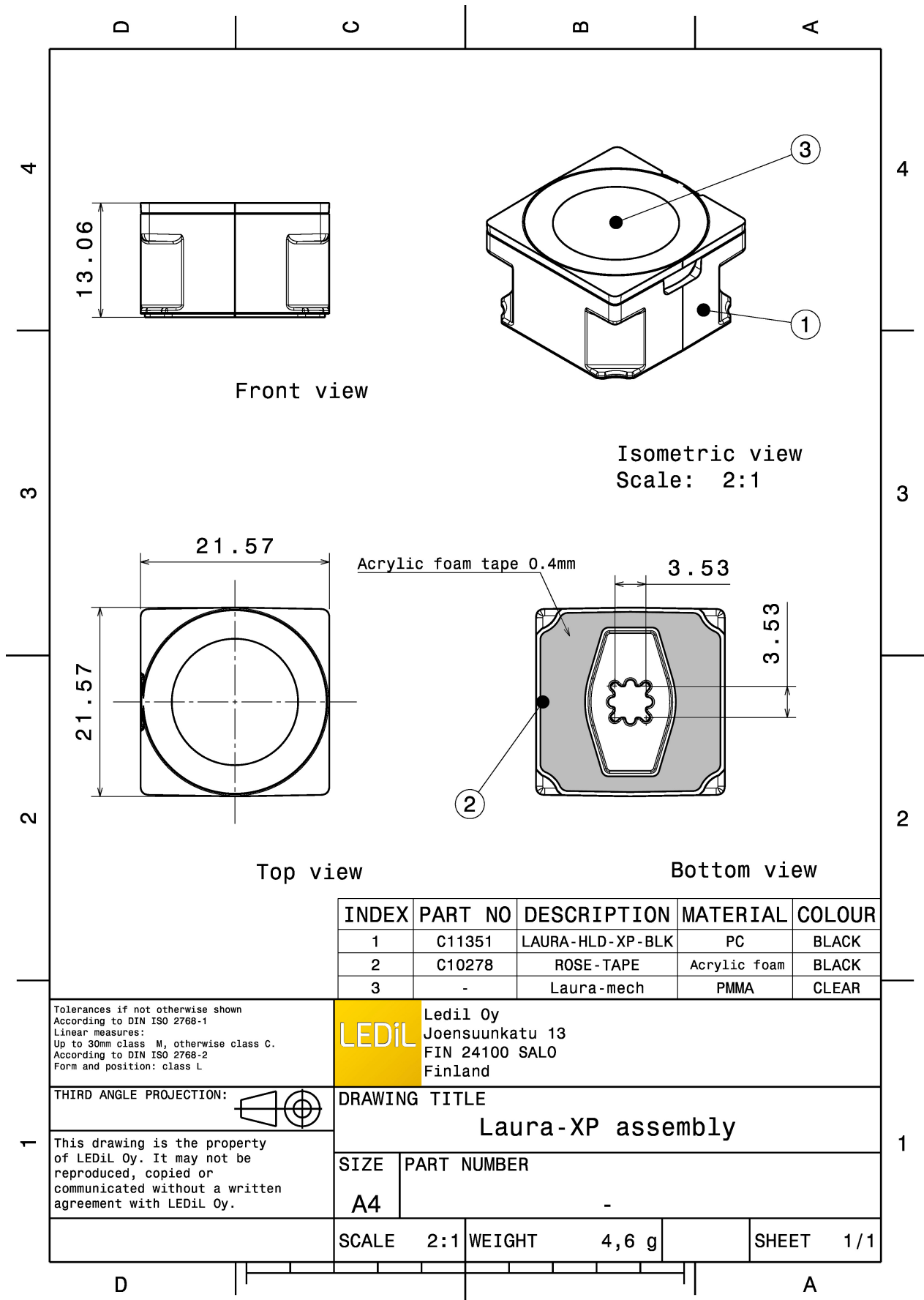


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LAURA-RS	Single lens	PMMA	clear		
LAURA-HLD-XP-BLK	Holder	PC	black		
ROSE-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11353_LAURA-RS » Box size: 451 x 254 x 152 mm	1440	360	180	7.4



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C11351	LAURA-HLD-XP-BLK	PC	BLACK
2	C10278	ROSE-TAPE	Acrylic foam	BLACK
3	-	Laura-mech	PMMA	CLEAR

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

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Joensuunkatu 13
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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Laura-XP assembly

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SIZE	PART NUMBER
A4	-

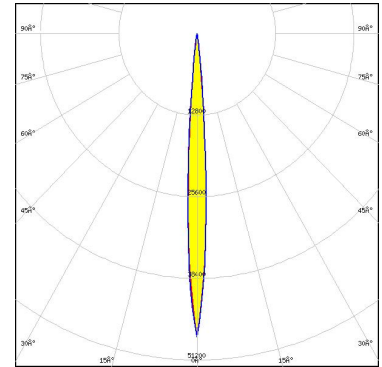
SCALE	2:1	WEIGHT	4,6 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



LED XP-E
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 93 %
 Peak intensity 41.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

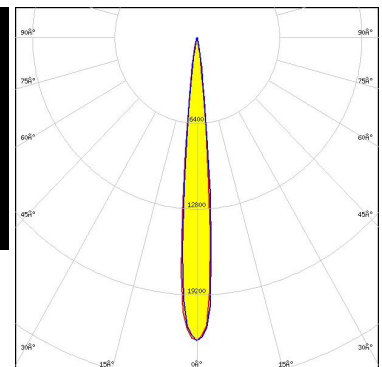


LED XP-G
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 93 %
 Peak intensity 18.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED XP-G2
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 93 %
 Peak intensity 22.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

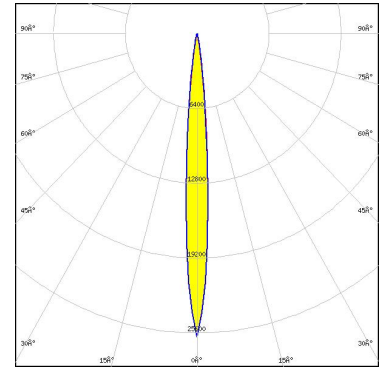


Light distribution files

OPTICAL RESULTS (SIMULATED):



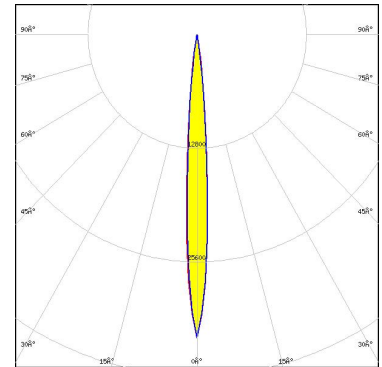
LED XD16
FWHM / FWTM 8.0° / 18.0°
Efficiency 90 %
Peak intensity 25.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



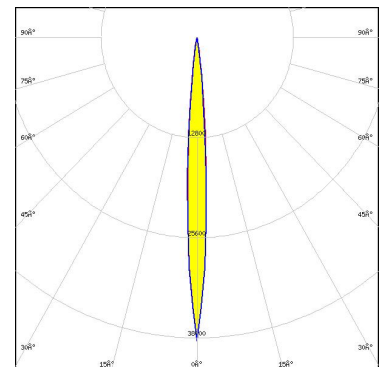
LED XE-G
FWHM / FWTM 8.0° / 16.0°
Efficiency 92 %
Peak intensity 34.2 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files



LED XP-E2
FWHM / FWTM 8.0° / 16.0°
Efficiency 92 %
Peak intensity 38.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

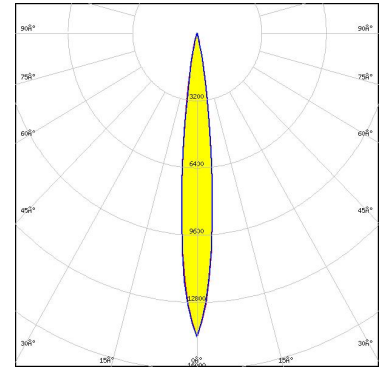


Light distribution files

OPTICAL RESULTS (SIMULATED):



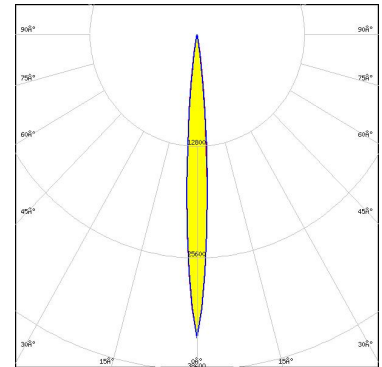
LED XP-G3
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 84 %
 Peak intensity 14.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



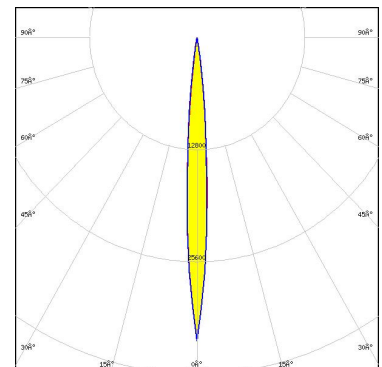
LED XP-P
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 93 %
 Peak intensity 34.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XQ-E HI
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 91 %
 Peak intensity 34.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

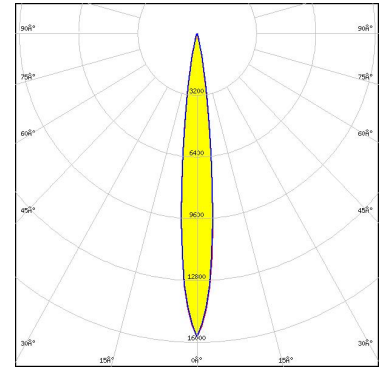


Light distribution files

OPTICAL RESULTS (SIMULATED):



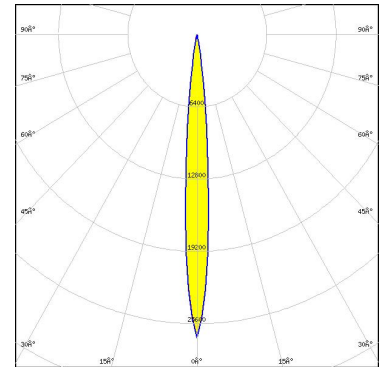
LED LUXEON HL2X
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 92 %
 Peak intensity 15.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



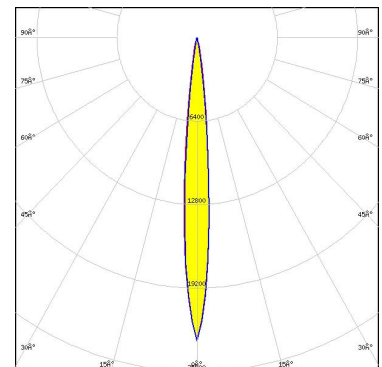
LED SST-20
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 93 %
 Peak intensity 26.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSOLON Square CSSRM2/CSSRM3
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 93 %
 Peak intensity 23.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

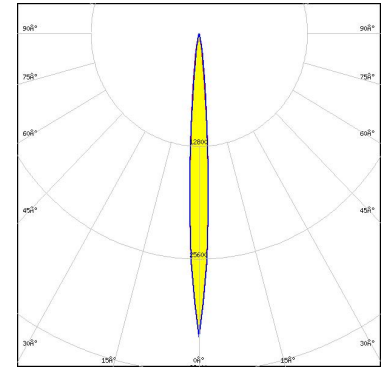


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

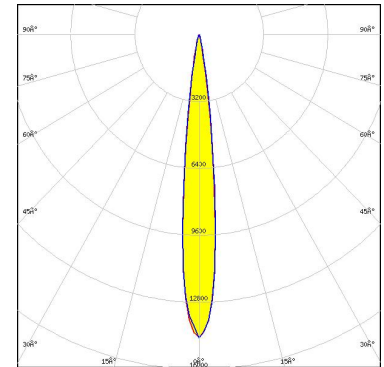
LED OSLON SSL 80
FWHM / FWTM 8.0° / 16.0°
Efficiency 92 %
Peak intensity 34.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351C
FWHM / FWTM 12.0° / 22.0°
Efficiency 82 %
Peak intensity 14.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:




Light distribution files

SEMI
SEOUL SEMICONDUCTOR

LED Z5
FWHM / FWTM 8.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):

 SEUL SEMICONDUCTOR	
LED	Z5M4
FWHM / FWTM	13.0° / 25.0°
Efficiency	93 %
Peak intensity	13.7 cd/m
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

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.

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