

## 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 ⓘ

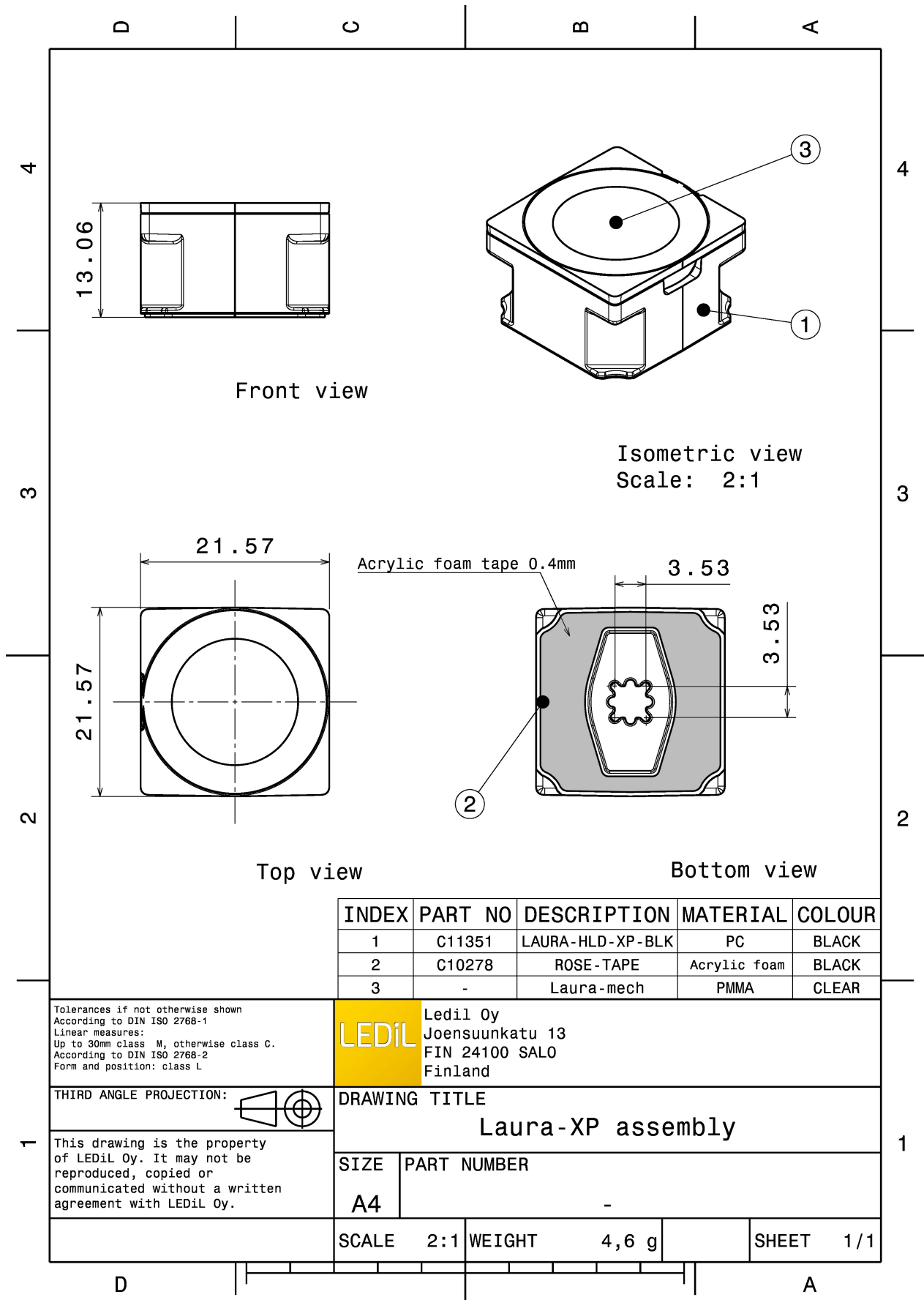


### MATERIALS:

Component	Type	Material	Colour	Finish
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	Single lens	1440	360	180	7.4
» Box size: 451 x 254 x 152 mm					



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

**LEDiL** Ledil Oy  
Joensuunkatu 13  
FIN 24100 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**Laura-XP assembly**

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SIZE	PART NUMBER
A4	-

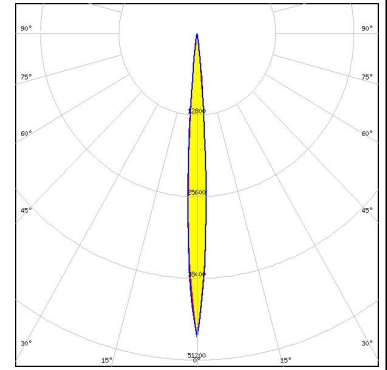
SCALE	2:1	WEIGHT	4,6 g	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

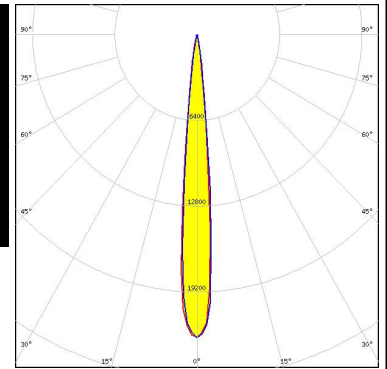
#### OPTICAL RESULTS (MEASURED):



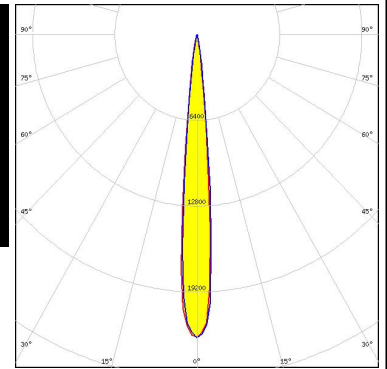
LED XP-E  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 93 %  
 Peak intensity 41.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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



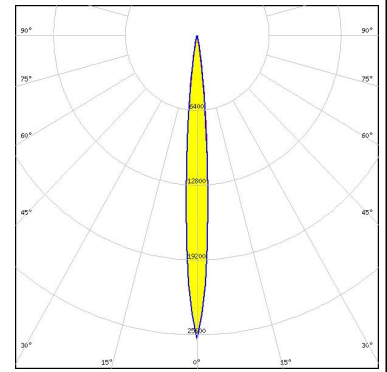
LED XP-G2  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 93 %  
 Peak intensity 22.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



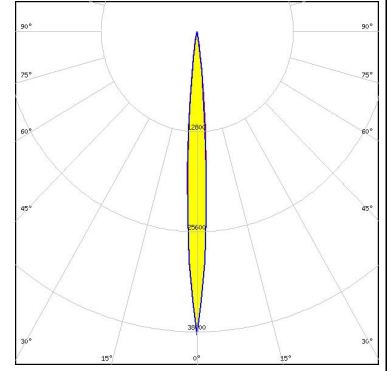
#### OPTICAL RESULTS (SIMULATED):



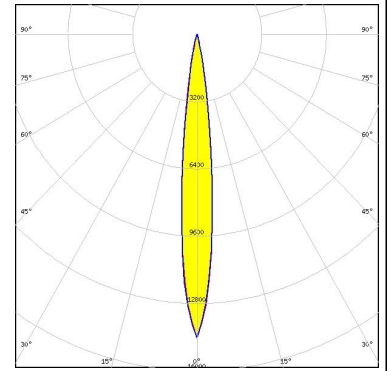
LED XD16  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 90 %  
 Peak intensity 25.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



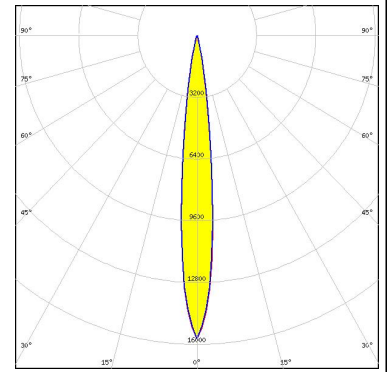
LED XP-E2  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 92 %  
 Peak intensity 38.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



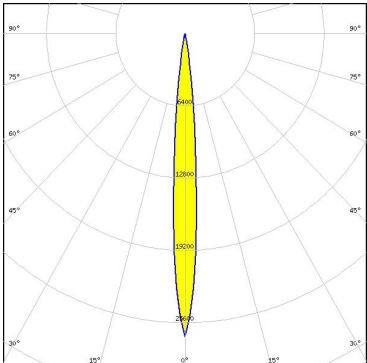
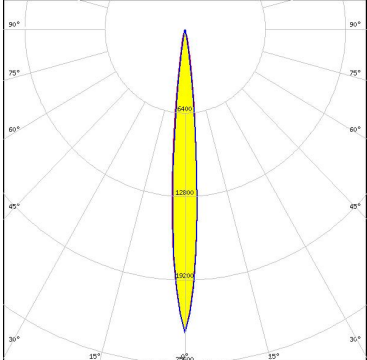
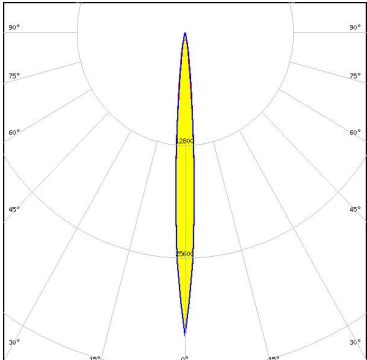
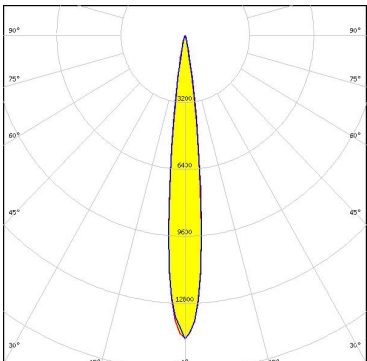
LED XP-G3  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 84 %  
 Peak intensity 14.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




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



#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMINUS</b></p> <p>LED SST-20            FWHM / FWTM 10.0° / 18.0°            Efficiency 93 %            Peak intensity 26.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM 10.0° / 19.0°            Efficiency 93 %            Peak intensity 23.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM SSL 80            FWHM / FWTM 8.0° / 16.0°            Efficiency 92 %            Peak intensity 34.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED LH351C            FWHM / FWTM 12.0° / 22.0°            Efficiency 82 %            Peak intensity 14.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR	
LED	Z5
FWHM / FWTM	8.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	
 SEOUL SEMICONDUCTOR	
LED	Z5M4
FWHM / FWTM	13.0° / 25.0°
Efficiency	93 %
Peak intensity	13.7 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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