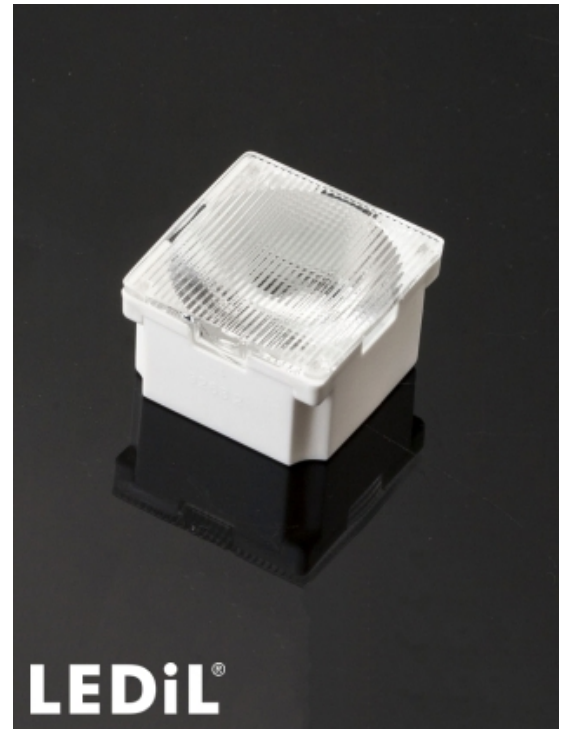


## G2-LAURA-O90-P

~15° x 40° oval beam. Assembly with thinner white holder, installation tape and location pins. Variant with beam direction rotated 90°.

### SPECIFICATION:

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

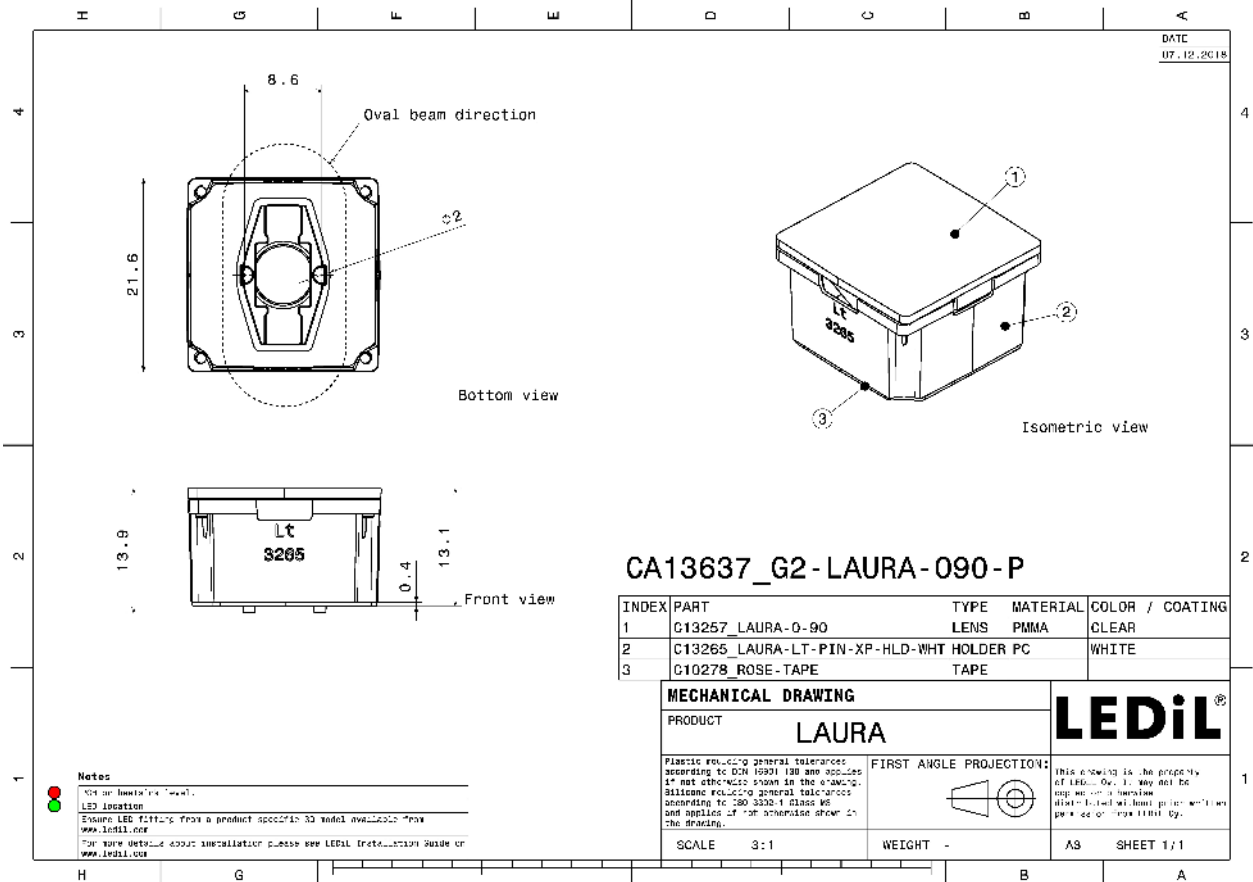


### MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-O-90	Single lens	PMMA	clear	
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13637_G2-LAURA-O90-P	Single lens	1440		180	6.2
» Box size:					

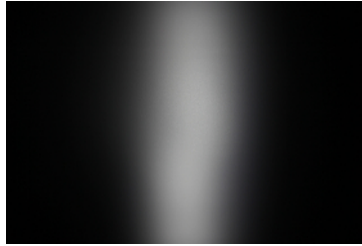


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

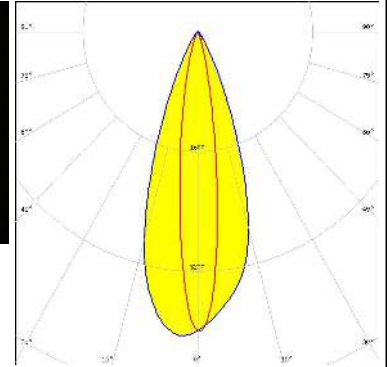
##### CREE LED

LED XP-E  
 FWHM / FWTM 11.0 + 40.0° / 24.0 + 56.0°  
 Efficiency 91 %  
 Peak intensity 6.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



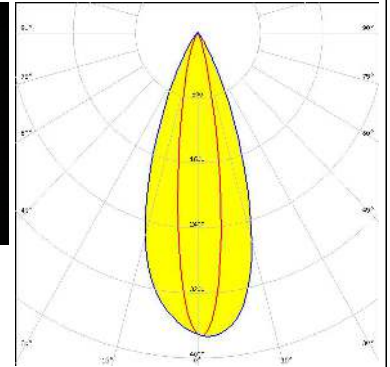
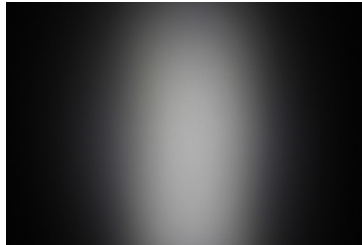
##### CREE LED

LED XP-G3  
 FWHM / FWTM 15.0 + 37.0° / 32.0 + 59.0°  
 Efficiency 90 %  
 Peak intensity 4.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



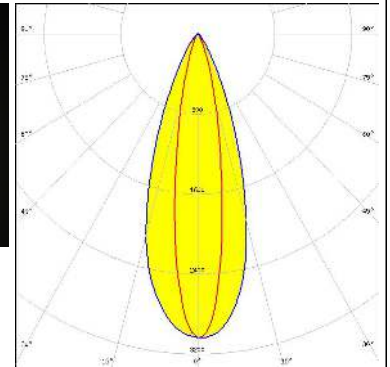
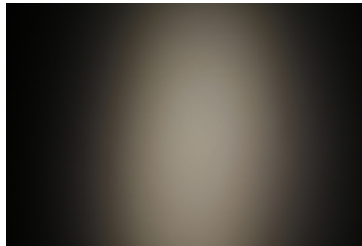
##### CREE LED

LED XP-L HD  
 FWHM / FWTM 16.0 + 38.0° / 34.0 + 61.0°  
 Efficiency 89 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:


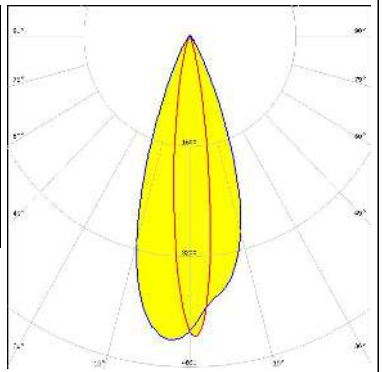
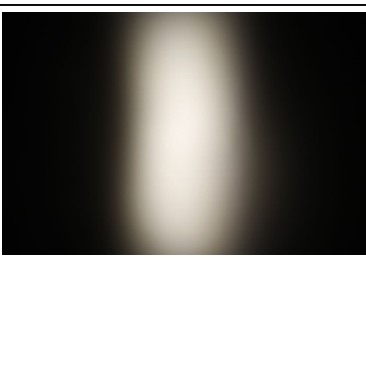
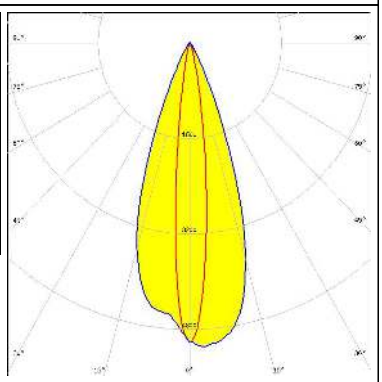
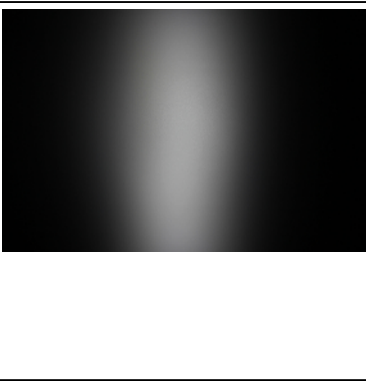
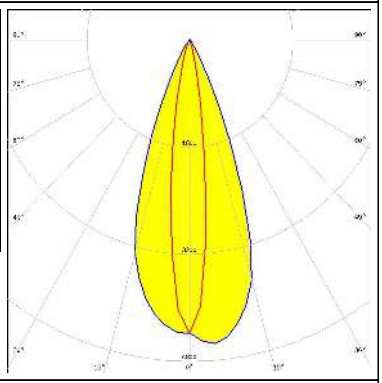

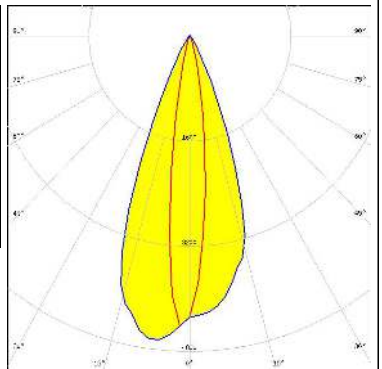


##### CREE LED


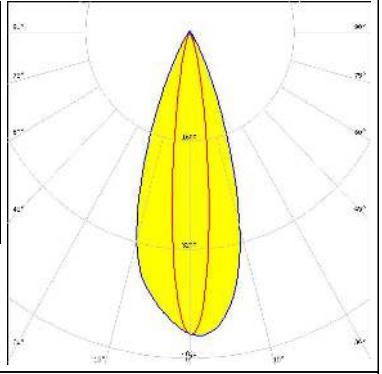
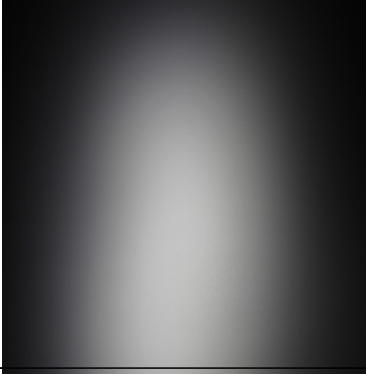
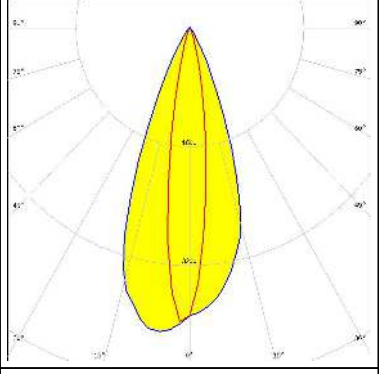
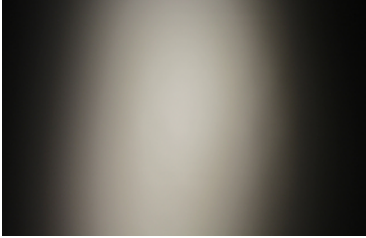
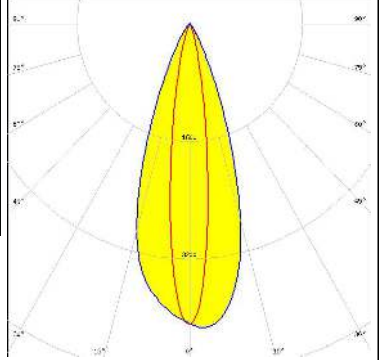
LED XP-L2  
 FWHM / FWTM 18.0 + 37.0° / 40.0 + 64.0°  
 Efficiency 86 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM 14.0 + 37.0° / 29.0 + 58.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel Plus</p> <p>FWHM / FWTM 12.0 + 38.0° / 24.0 + 56.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 15.0 + 41.0° / 28.0 + 59.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 4.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NCSxx19A</p> <p>FWHM / FWTM 15.0 + 41.0° / 29.0 + 59.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSW219F            FWHM / FWTM 14.0 + 37.0° / 31.0 + 58.0°            Efficiency 94 %            Peak intensity 4.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19A            FWHM / FWTM 16.0 + 40.0° / 32.0 + 60.0°            Efficiency 89 %            Peak intensity 4.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 15.0 + 37.0° / 31.0 + 59.0°            Efficiency 91 %            Peak intensity 4.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

## OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON 3535L            FWHM / FWTM: 60.0 + 10.0° / 83.0 + 24.0°            Efficiency: 91 %            Peak intensity: 3.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLOM Signal            FWHM / FWTM: 10.0 + 62.0° / 18.0 + 82.0°            Efficiency: 89 %            Peak intensity: 3.7 cd/lm            LEDs/each optic: 1            Light colour: Red            Required components:</p>	

### 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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