

## LAURA-O

~40° x 12° oval beam optimized for CREE XP-E.  
Assembly with black holder and installation  
tape.

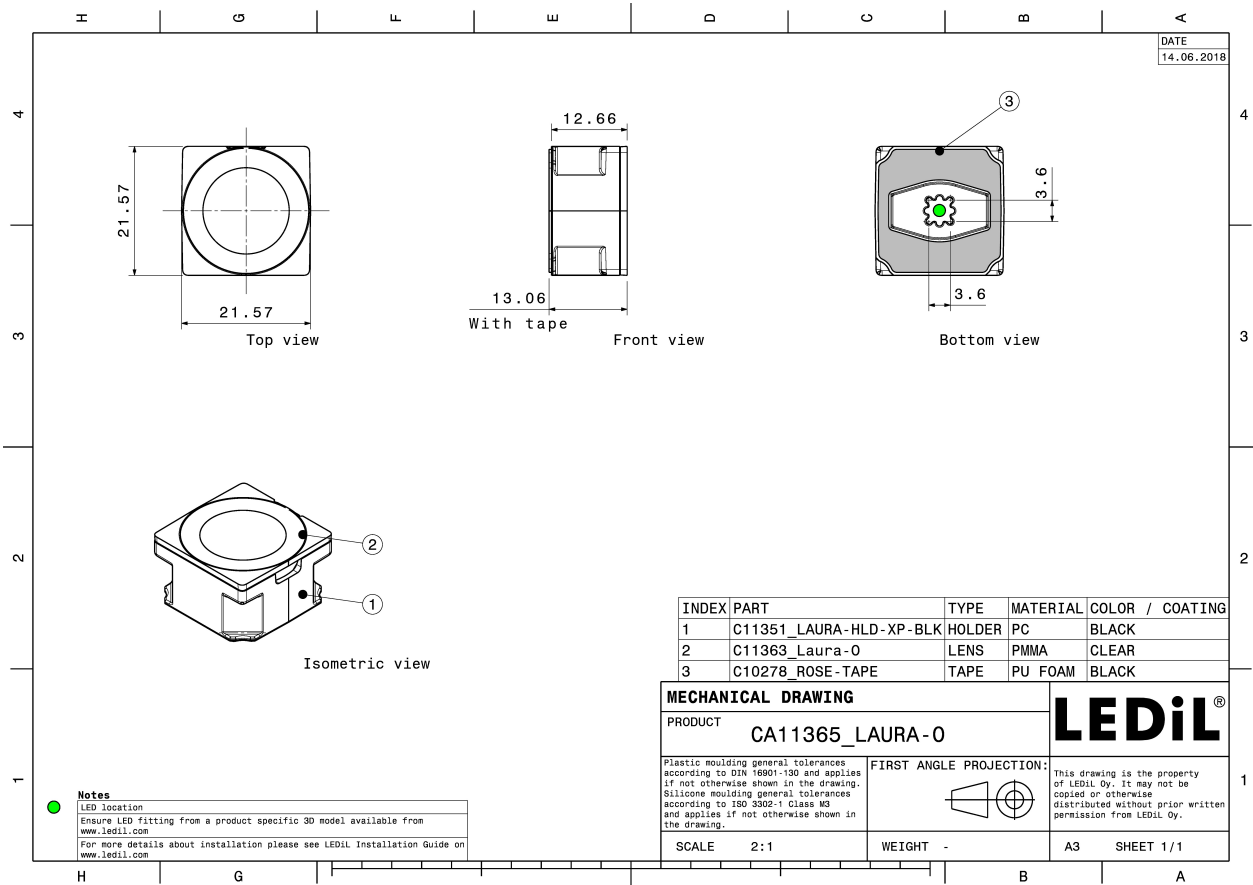
### TECHNICAL SPECIFICATIONS:

Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape
Colour	black
Box size	
Box weight	7.6 kg
Quantity in Box	1440 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LAURA-O	Single lens	PMMA	clear
LAURA-HLD-XP-BLK	Holder	PC	black
ROSE-TAPE	Tape	PU tape	



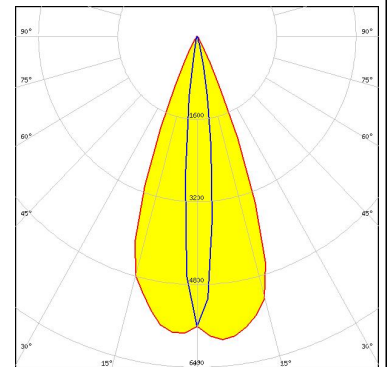
#### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XP-E  
FWHM 13.0 + 40.0°  
Efficiency 91 %  
Peak intensity 4.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XP-E2  
FWHM 40.0 + 12.0°  
Efficiency 87 %  
Peak intensity 5.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

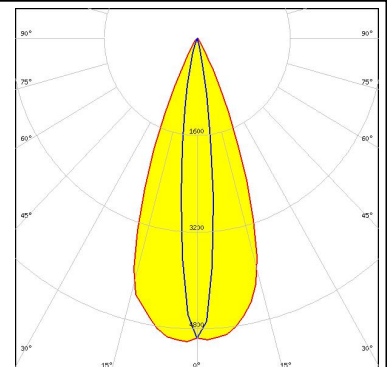
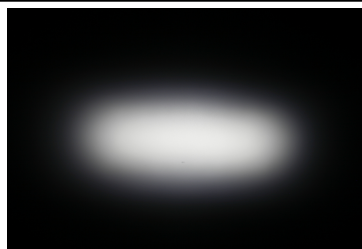


#### CREE

LED XP-G  
FWHM 36.0 + 13.0°  
Efficiency 91 %  
Peak intensity 4.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

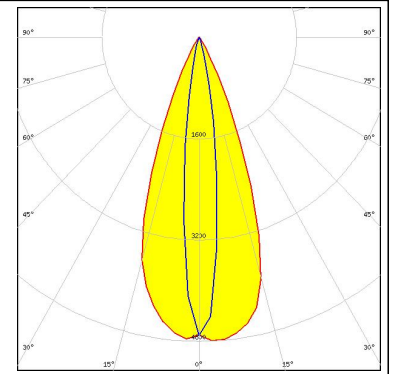
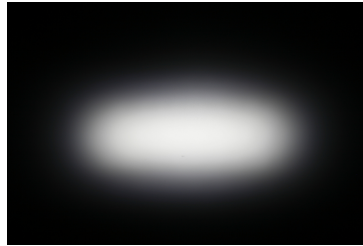
LED XP-G2  
FWHM 39.0 + 14.0°  
Efficiency 87 %  
Peak intensity 4.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (MEASURED):

 **LG Innotek**

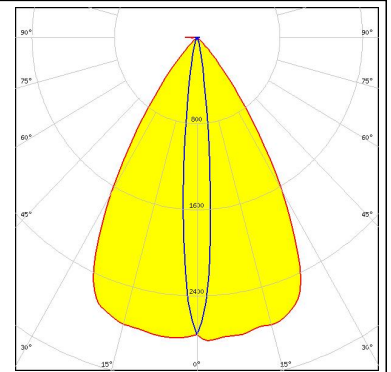
LED H35C1 (LEMWA33)  
FWHM 39.0 + 14.0°  
Efficiency 86 %  
Peak intensity 4.600 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



LED XD16  
FWHM 64.0 + 10.0°  
Efficiency 79 %  
Peak intensity 2.820 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5  
FWHM 12.0 + 36.0°  
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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