



# PRODUCT DATASHEET

## Laura series

last update 26/3/2012



<b>Ordering number</b>	<b>CX11645</b>		
<b>Description</b>	<b>CA11645_Laura-SS-RE-tape</b>		
Family	Laura	FWHM	(simulated) 12
Type	Assembly	Efficiency	93 %
LED	LUXEON Rebel	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

<b>Ordering number</b>	<b>CX11352</b>		
<b>Description</b>	<b>CA11352_Laura-RS-RE-tape</b>		
Family	Laura	FWHM	7 degrees
Type	Assembly	Efficiency	93 %
LED	LUXEON Rebel	cd/lm	33.500
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

<b>Ordering number</b>	<b>CX11364</b>		
<b>Description</b>	<b>CA11364-Laura-O-RE-tape</b>		
Family	Laura	FWHM	12+40 degrees
Type	Assembly	Efficiency	92 %
LED	LUXEON Rebel	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

<b>Ordering number</b>	<b>CX11359</b>		
<b>Description</b>	<b>CA11359-Laura-D-RE-tape</b>		
Family	Laura	FWHM	15 degrees
Type	Assembly	Efficiency	90 %
LED	LUXEON Rebel	cd/lm	5.000
Color	White	Gerber File	Available
Diameter	21.6X21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



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<b>Ordering number</b>	<b>CX11354</b>		
<b>Description</b>	<b>CA11354_Laura-M-RE-tape</b>		
Family	Laura	FWHM	28 degrees
Type	Assembly	Efficiency	88 %
LED	LUXEON Rebel	cd/lm	2.700
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

<b>Ordering number</b>	<b>CX12568</b>		
<b>Description</b>	<b>CX12568_LAURA-W-WHT</b>		
Family	Laura	FWHM	44 degrees
Type	Assembly	Efficiency	88 %
LED	LUXEON Rebel	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

<b>Ordering number</b>	<b>CA11768</b>		
<b>Description</b>	<b>CA11768_Laura-WW-RE-tape</b>		
Family	Laura	FWHM	66 degrees
Type	Assembly	Efficiency	93 %
LED	LUXEON Rebel	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

<b>Ordering number</b>	<b>CX11524</b>		
<b>Description</b>	<b>CA11524_Laura-Refl-W-RE-tape</b>		
Family	Laura	FWHM	68 degrees
Type	Reflector	Efficiency	81 %
LED	LUXEON Rebel	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



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**NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.**



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### GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON Rebel series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: [http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](http://www.ledil.com/datasheets/DataSheet_TAPE.pdf)

**NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.**

**NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.**

**If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.**

**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**

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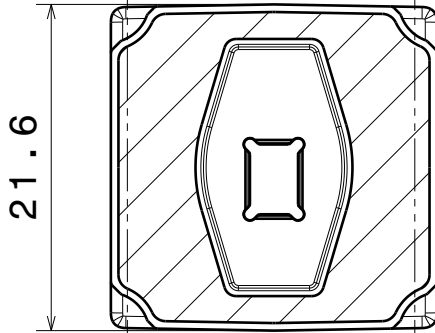
B

A

4

4

Oval-version  
beam direction



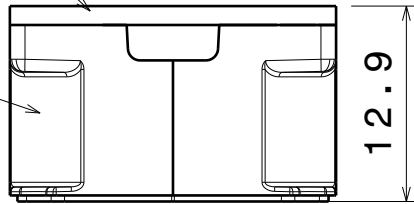
Bottom view

3

3

Optic

Holder



Front view

2

2

Materials  
 lens: PMMA  
 holder: PC White  
 Tape: PU Foam

1

1

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 or communicated without  
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DRAWING TITLE

Assy Datasheet Laura-tape series

DRAWN BY

DATE

p

02.08.2010

CHECKED BY

DATE

s

n

22.07.2010

DESIGNED BY

DATE

hh

21.01.2010

SIZE

A4

DRAWING NUMBER

CA11352

REV

1

SCALE

2:1

WEIGHT (g)

SHEET

1/1

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A