

## PRODUCT DATASHEET Laura series



last update 26/3/2012

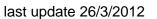
Ordering number Description	CX11645 CA11645_Laura-SS-RE-tape		
Family	Laura	FWHM	(simulated) 12
Туре	Assembly	Efficiency	93 %
LED	LUXEON Rebel	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Таре		
Status	Ready		
Ordering number Description	CX11352 CA11352_Laura-RS-RE-tape		
Family	Laura	FWHM	7 degrees
Туре	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	Таре		
Status	Ready		
Ordering number	CX11364		
Description	CA11364-Laura-O-RE-tape		
	CA11364-Laura-O-RE-tape Laura	FWHM	12+40 degrees
Description	CA11364-Laura-O-RE-tape	FWHM Efficiency	12+40 degrees 92 %
Description Family	CA11364-Laura-O-RE-tape Laura		•
<b>Description</b> Family Type	CA11364-Laura-O-RE-tape Laura Assembly	Efficiency	•
<b>Description</b> Family Type LED	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel	Efficiency cd/lm	92 % -
<b>Description</b> Family Type LED Color	<b>CA11364-Laura-O-RE-tape</b> Laura Assembly LUXEON Rebel White	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter Height	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter Height Style	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter Height Style Optic Material	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359	Efficiency cd/lm	92 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape	Efficiency cd/lm Gerber File	92 % Available
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura	Efficiency cd/lm Gerber File FWHM	92 % Available 15 degrees
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly	Efficiency cd/lm Gerber File FWHM Efficiency	92 % Available 15 degrees 90 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly LUXEON Rebel	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	92 % Available 15 degrees 90 % 5.000
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly LUXEON Rebel White	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	92 % Available 15 degrees 90 % 5.000
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly LUXEON Rebel White 21.6X21.6 mm	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	92 % Available 15 degrees 90 % 5.000
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly LUXEON Rebel White 21.6X21.6 mm 12.9 mm	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	92 % Available 15 degrees 90 % 5.000
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly LUXEON Rebel White 21.6X21.6 mm 12.9 mm Square	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	92 % Available 15 degrees 90 % 5.000
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style Optic Material	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly LUXEON Rebel White 21.6X21.6 mm 12.9 mm Square PMMA	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	92 % Available 15 degrees 90 % 5.000
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style Optic Material Holder Material	CA11364-Laura-O-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 13.1 mm Square PMMA PC Tape Ready CX11359 CA11359-Laura-D-RE-tape Laura Assembly LUXEON Rebel White 21.6X21.6 mm 12.9 mm Square PMMA PC	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	92 % Available 15 degrees 90 % 5.000

April 4th 2012 11:10 Copyright Ledil Oy - Subject to change without prior notice - Page 1/4

Ledil Oy Salorankatu 10 24240 SALO Finland



## PRODUCT DATASHEET Laura series



L	.ux	<b>E</b> @/\`
	BY PHILIPS	LUMILEDS

Ordering number Description	CX11354 CA11354_Laura-M-RE-tape		
Family	Laura	FWHM	28 degrees
Туре	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	Таре		
Status	Ready		
Ordering number Description	CX12568 CX12568_LAURA-W-WHT		
Family	Laura	FWHM	44 degrees
Туре	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	Таре		
Status	Ready		
Ordering number Description	CA11768 CA11768_Laura-WW-RE-tape	9	
		e FWHM	66 degrees
Description	CA11768_Laura-WW-RE-tape		66 degrees 93 %
Description Family	CA11768_Laura-WW-RE-tape Laura	FWHM	•
<b>Description</b> Family Type	CA11768_Laura-WW-RE-tape Laura Assembly	FWHM Efficiency	•
<b>Description</b> Family Type LED	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel	FWHM Efficiency cd/lm	93 % -
<b>Description</b> Family Type LED Color	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White	FWHM Efficiency cd/lm	93 % -
Description Family Type LED Color Diameter	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm	FWHM Efficiency cd/lm	93 % -
Description Family Type LED Color Diameter Height	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm	FWHM Efficiency cd/lm	93 % -
Description Family Type LED Color Diameter Height Style	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square	FWHM Efficiency cd/lm	93 % -
Description Family Type LED Color Diameter Height Style Optic Material	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA	FWHM Efficiency cd/lm	93 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC	FWHM Efficiency cd/lm	93 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready	FWHM Efficiency cd/Im Gerber File	93 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524	FWHM Efficiency cd/Im Gerber File	93 % - Available
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta	FWHM Efficiency cd/Im Gerber File	93 % -
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura	FWHM Efficiency cd/Im Gerber File	93 % - Available 68 degrees
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura Reflector	FWHM Efficiency cd/Im Gerber File <b>ape</b> FWHM Efficiency	93 % - Available 68 degrees
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-Refl-W-RE-ta Laura Reflector LUXEON Rebel	FWHM Efficiency cd/Im Gerber File FWHM Efficiency cd/Im	93 % - Available 68 degrees 81 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura Reflector LUXEON Rebel White	FWHM Efficiency cd/Im Gerber File FWHM Efficiency cd/Im	93 % - Available 68 degrees 81 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura Reflector LUXEON Rebel White 21.6 mm	FWHM Efficiency cd/Im Gerber File FWHM Efficiency cd/Im	93 % - Available 68 degrees 81 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura Reflector LUXEON Rebel White 21.6 mm 12.9 mm	FWHM Efficiency cd/Im Gerber File FWHM Efficiency cd/Im	93 % - Available 68 degrees 81 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura Reflector LUXEON Rebel White 21.6 mm 12.9 mm Square	FWHM Efficiency cd/Im Gerber File FWHM Efficiency cd/Im	93 % - Available 68 degrees 81 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style Optic Material	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura Reflector LUXEON Rebel White 21.6 mm 12.9 mm Square PC	FWHM Efficiency cd/Im Gerber File FWHM Efficiency cd/Im	93 % - Available 68 degrees 81 %
Description Family Type LED Color Diameter Height Style Optic Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style Optic Material Holder Material	CA11768_Laura-WW-RE-tape Laura Assembly LUXEON Rebel White 21.6 mm 12.9 mm Square PMMA PC Tape Ready CX11524 CA11524_Laura-RefI-W-RE-ta Laura Reflector LUXEON Rebel White 21.6 mm 12.9 mm Square PC PC	FWHM Efficiency cd/Im Gerber File FWHM Efficiency cd/Im	93 % - Available 68 degrees 81 %

April 4th 2012 11:10 Copyright Ledil Oy - Subject to change without prior notice - Page 2/4

Ledil Oy Salorankatu 10 24240 SALO Finland





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.

Ledil Oy Salorankatu 10 24240 SALO Finland





## **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

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 boar 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.

