

**Product number CX11352_LAURA-RS**

Family	Laura	FWHM	11 degrees
Type	Pack	Efficiency	96 %
LED	LUXEON A	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CX11645_LAURA-SS**

Family	Laura	FWHM	11 degrees
Type	Pack	Efficiency	93 %
LED	LUXEON A	cd/lm	10.900
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CX11359_LAURA-D**

Family	Laura	FWHM	14 degrees
Type	Pack	Efficiency	-
LED	LUXEON A	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CX11354_LAURA-M**

Family	Laura	FWHM	30 degrees
Type	Pack	Efficiency	88 %
LED	LUXEON A	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number** CX11364_LAURA-O

Family	Laura	FWHM	42+11 degrees
Type	Pack	Efficiency	89 %
LED	LUXEON A	cd/lm	4.470
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

Product number CX11524_LAURA-R-W

Family	Laura	FWHM	68 degrees
Type	RefPack	Efficiency	81 %
LED	LUXEON A	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	-		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

Product number CX11768_LAURA-WW

Family	Laura	FWHM	68 degrees
Type	Pack	Efficiency	-
LED	LUXEON A	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	12.9 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

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.



PRODUCT DATASHEET

Laura series

last update 12/5/2016

GENERAL INFORMATION

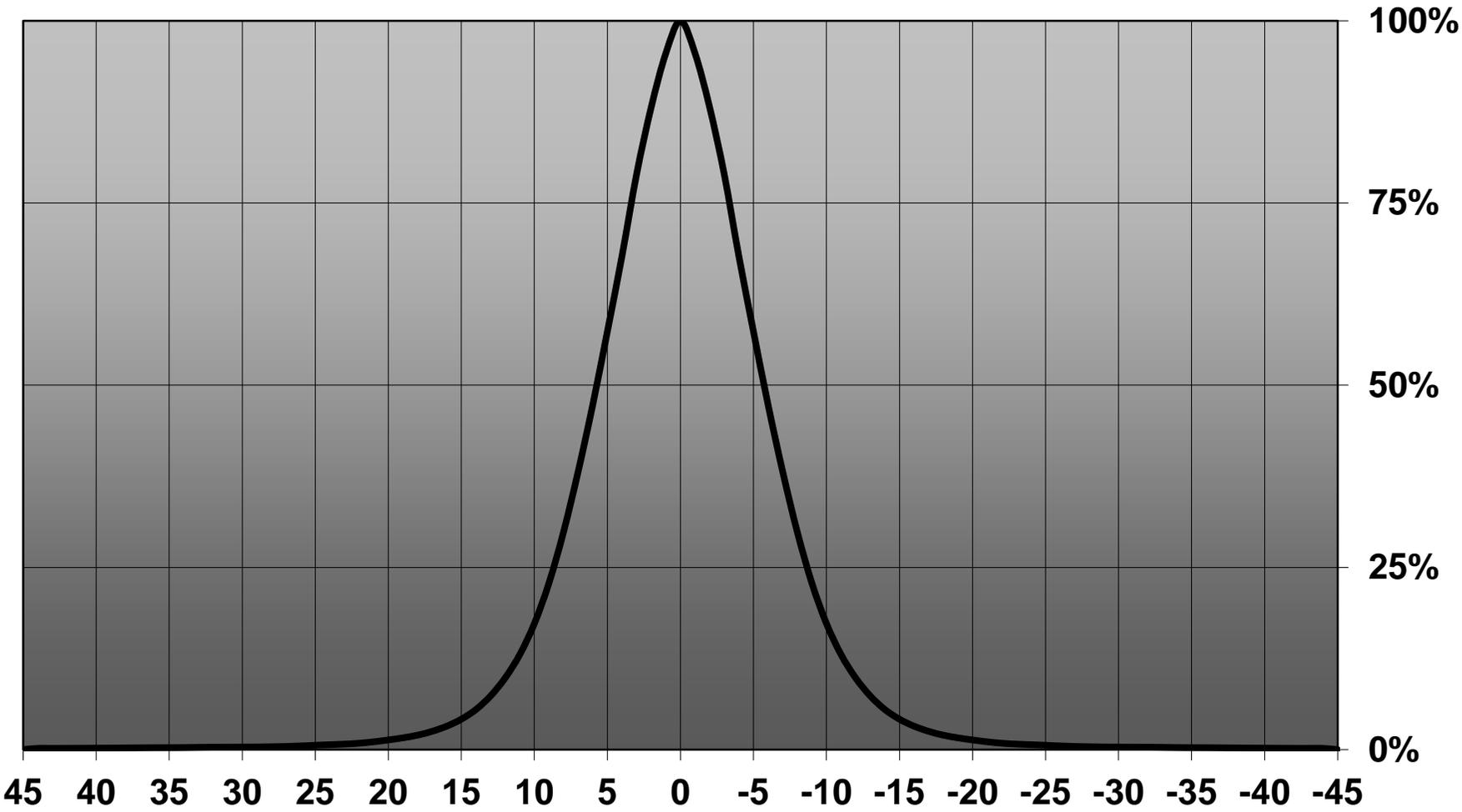
- Product series especially designed & optimized for LUXEON A series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative intensity of CX11645_LAURA-SS-LuxA



D

C

B

A

4

4

Oval-version
beam direction

21.6

Bottom view

3

3

Optic

Holder

12.9

Front view

2

2

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

1

1

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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

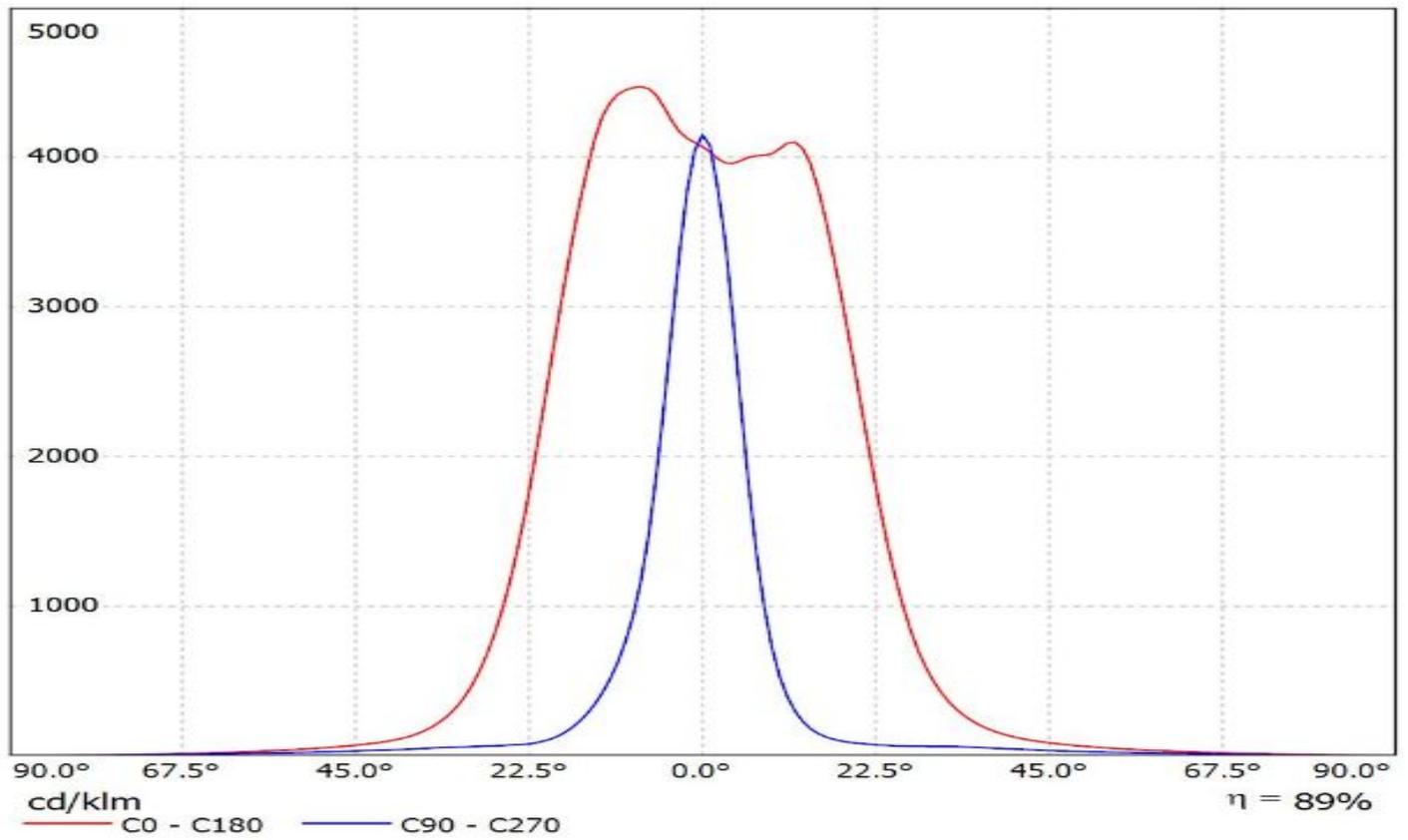
D

A

Ledil CX11364_LAURA-O_(LUXEON_A) / LDC (Linear)

Luminaire: Ledil CX11364_LAURA-O_(LUXEON_A)

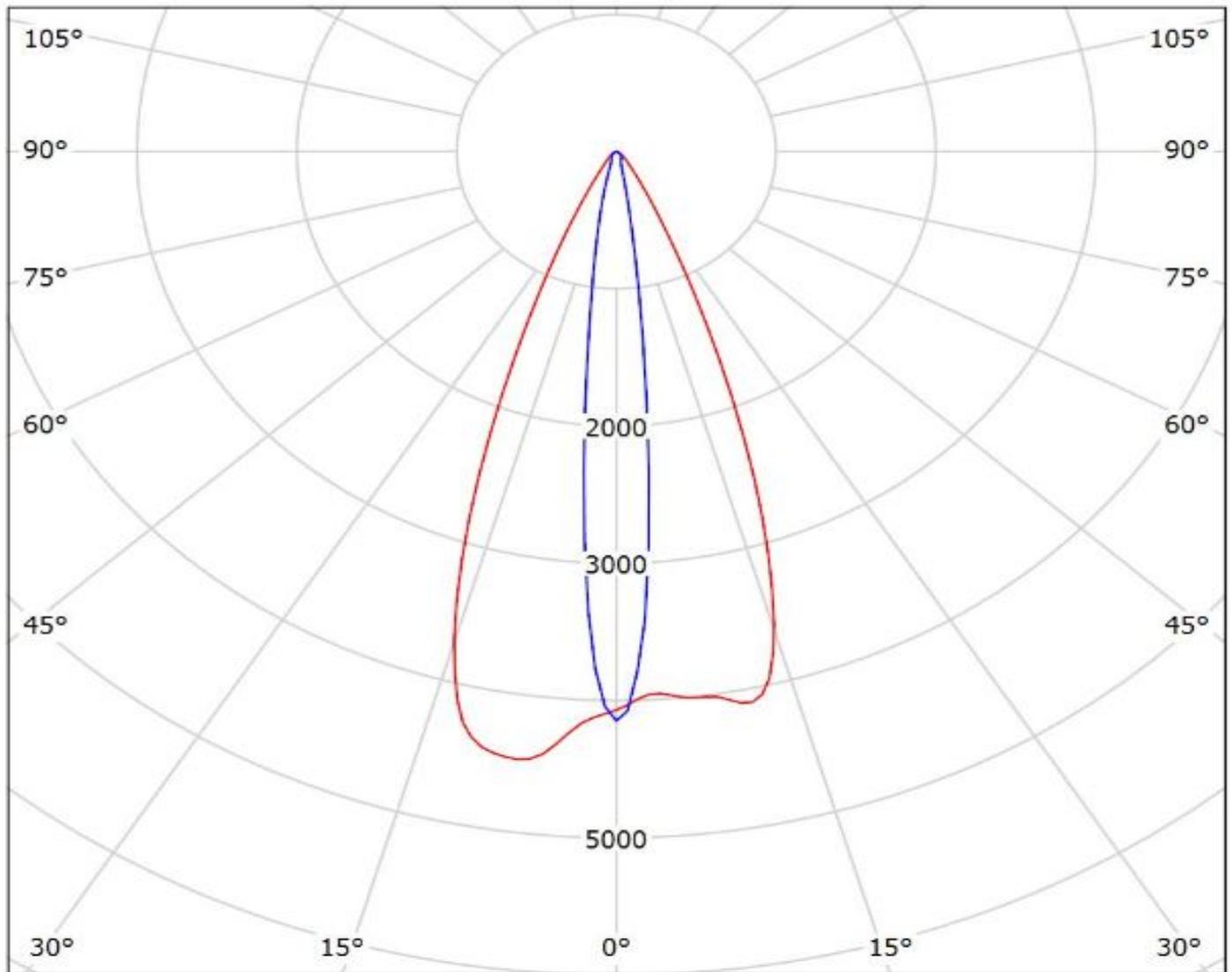
Lamps: 1 x LUXEON_A_80lm@250mA_CCT=2933K_P=0.77W_I=0.25A



Ledil CX11364_LAURA-O_(LUXEON_A) / LDC (Polar)

Luminaire: Ledil CX11364_LAURA-O_(LUXEON_A)

Lamps: 1 x LUXEON_A_80lm@250mA_CCT=2933K_P=0.77W_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$