


**Ordering number CA11837\_LAURA-M-PIN**

Family	Laura	FWHM	(simulated) 30
Type	Assembly	Efficiency	(simulated) 85 %
LED	SFH 4715S (IR)	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


**Ordering number CA11959\_LAURA-RS-PIN**

Family	Laura	FWHM	(simulated) 9,5
Type	Assembly	Efficiency	88 %
LED	SFH 4715S (IR)	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 x 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


**Ordering number CA11960\_LAURA-D-PIN**

Family	Laura	FWHM	(simulated) 13
Type	Assembly	Efficiency	88 %
LED	SFH 4715S (IR)	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


**Ordering number CA12011\_LAURA-SS-PIN**

Family	Laura	FWHM	(simulated) 12
Type	Assembly	Efficiency	88 %
LED	SFH 4715S (IR)	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA12012\_LAURA-O-PIN**

Family	Laura	FWHM	41+14 degrees
Type	Assembly	Efficiency	(simulated) 80 %
LED	SFH 4715S (IR)	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	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.**

**GENERAL INFORMATION**

- Product series especially designed & optimized for SFH 4715S (IR) 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.

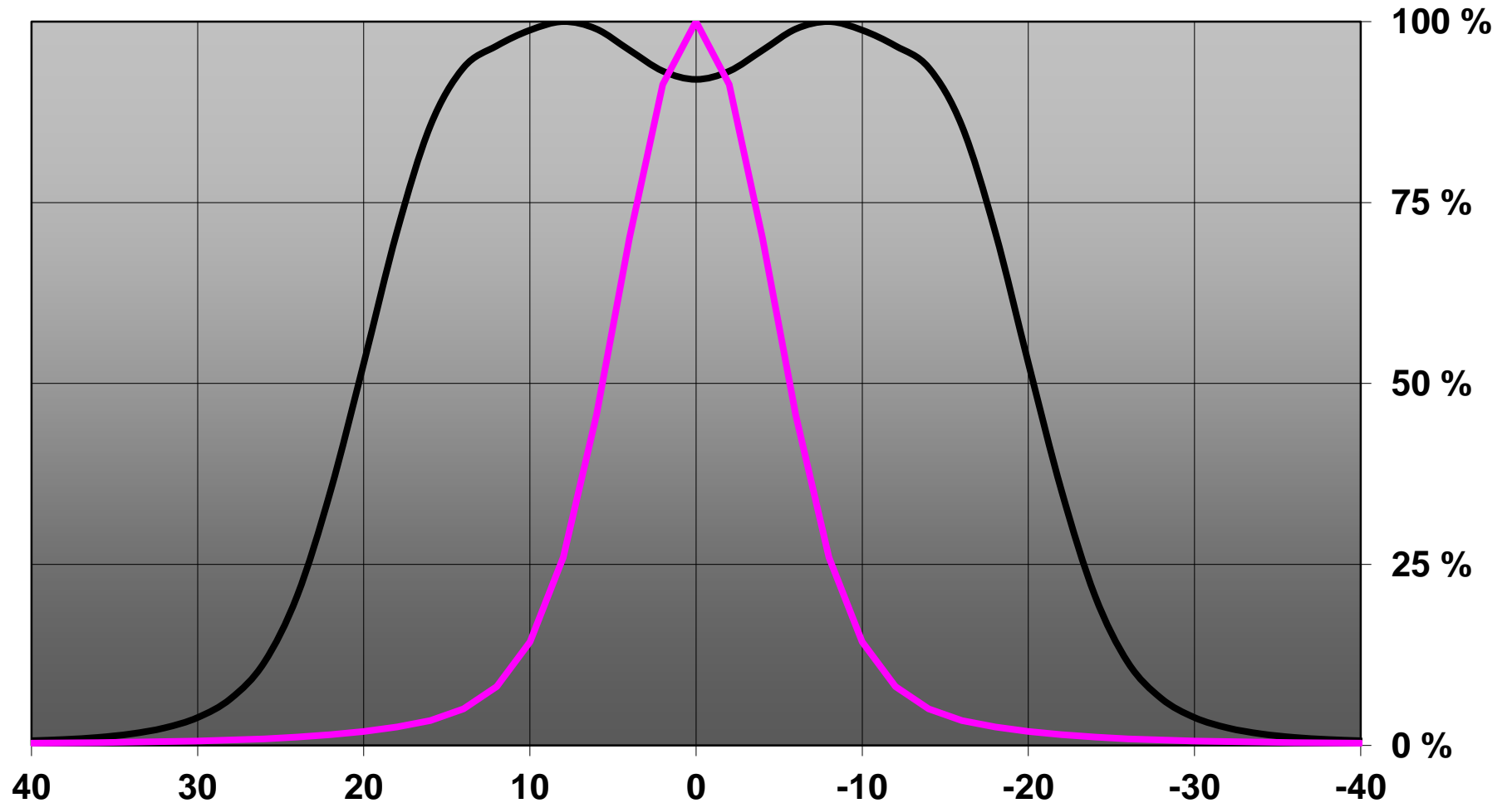
Please find more information about used material from below:

[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%20UL94_Yellow%20Card.pdf)

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

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

Relative intensity of CA12012\_Laura-O-Pin-XP-tape



D

C

B

A

4

4

3

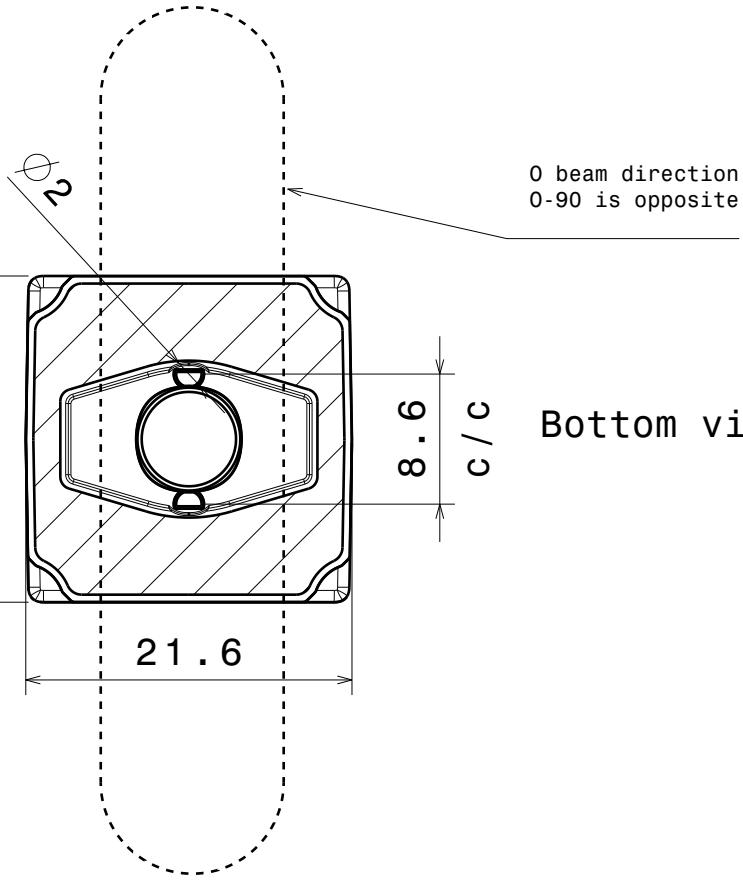
3

2

2

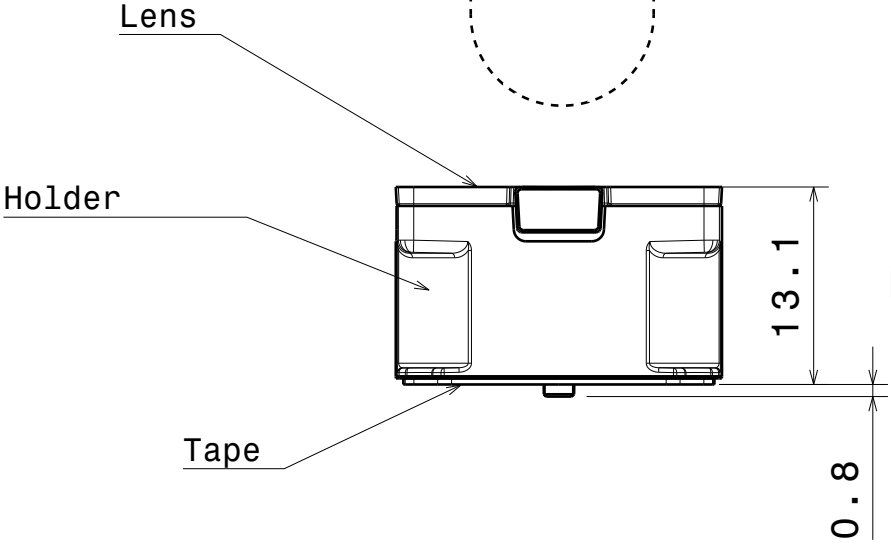
1

1



0 beam direction  
0-90 is opposite

Bottom view



Front view

Materials:  
 lens: PMMA  
 holder: PC, black  
 Tape: PU Foam

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DRAWING TITLE

Datasheet Laura-Pin-tape assy

DRAWN BY p	DATE v20.1.2012
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CHECKED BY s n	DATE 20.1.2012
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SIZE A4	DRAWING NUMBER -	REV 2
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DESIGNED BY hh/mav	DATE 04.11.2010
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SCALE 2:1	WEIGHT (g)	SHEET 1/1
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D

A