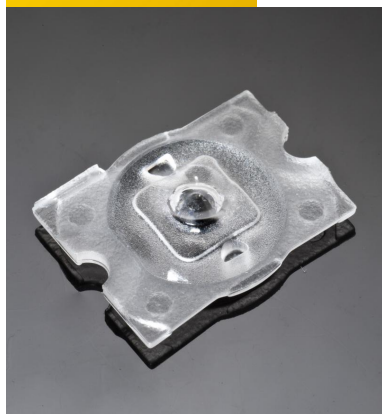
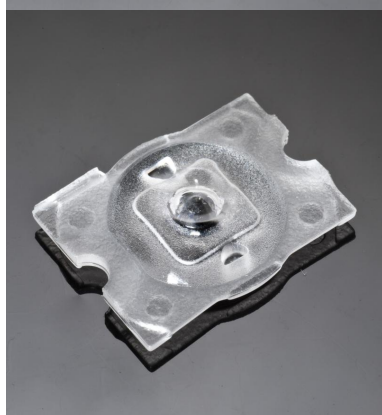
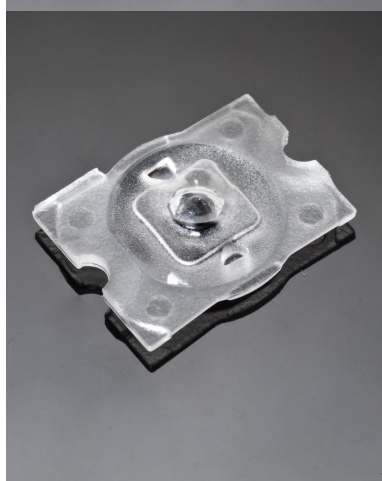


**Ordering number C12353_LOTTA-A2**

Family	Lotta-A	FWHM	92+170 degrees
Type	Lens	Efficiency	87 %
LED	LUXEON Rebel ES	cd/Im	0.240
Color	Clear	Gerber File	Available
Diameter	20 + 15 mm		
Height	4 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

**Ordering number CA12396_LOTTA-A2**

Family	Lotta-A	FWHM	92+170 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON Rebel ES	cd/Im	0.240
Color	Clear	Gerber File	Available
Diameter	20 + 15 mm		
Height	4 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA11519_LOTTA-A**

Family	Lotta-A	FWHM	175 degrees
Type	Assembly	Efficiency	82 %
LED	LUXEON Rebel ES	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	19.6+15.4 mm		
Height	3.8 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, 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.



PRODUCT DATASHEET

Lotta-A series

last update 28/12/2012

PHILIPS
LUMILEDS

GENERAL INFORMATION

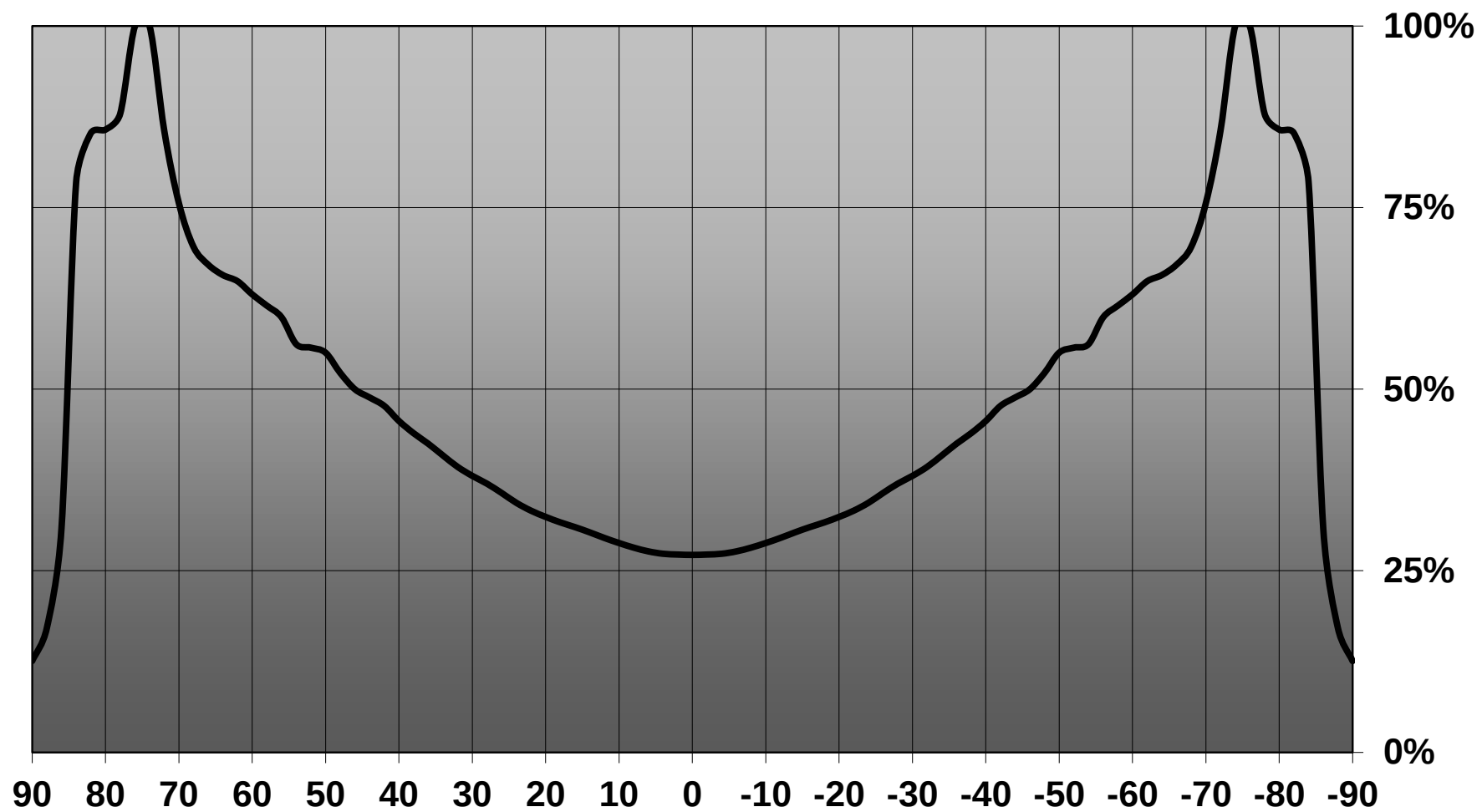
- Product series especially designed & optimized for LUXEON Rebel ES series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

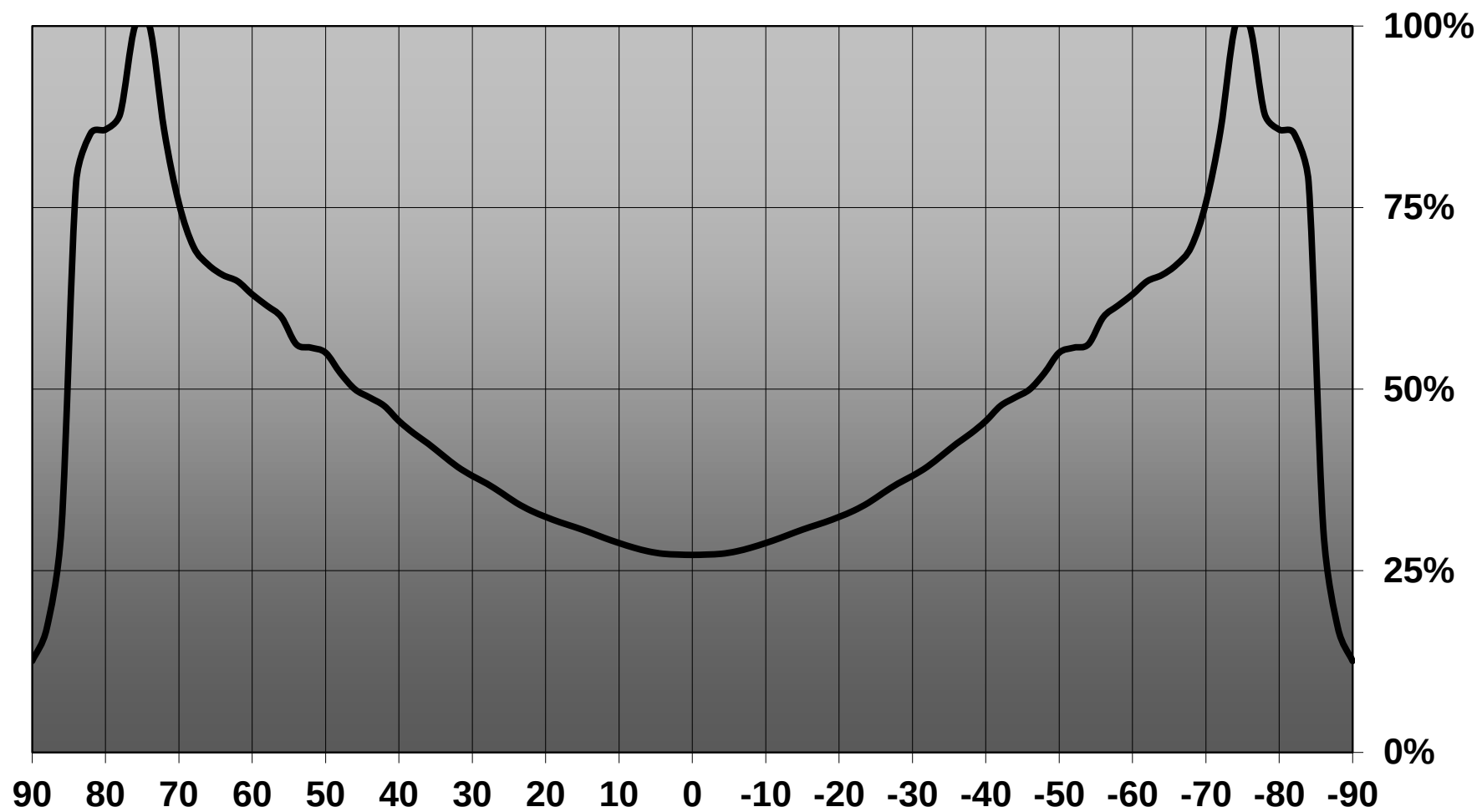
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

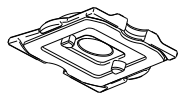
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative intensity of Lotta_A2_(Rebel-ES)

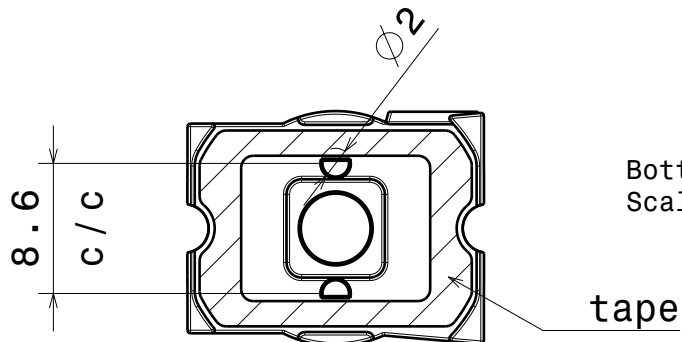


Relative intensity of Lotta_A2_(Rebel-ES)



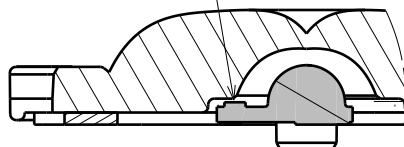


Isometric view
Scale: 1:1

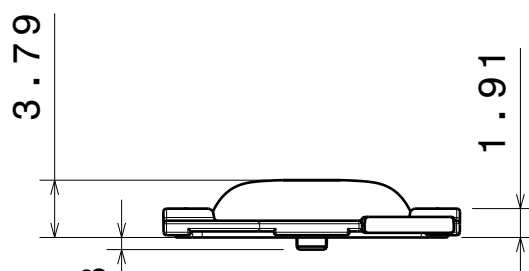


Bottom view
Scale: 2:1

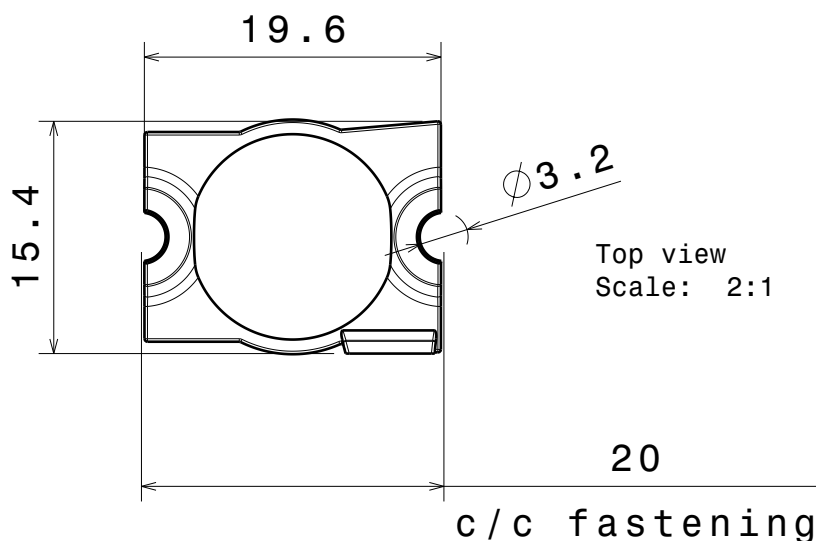
Fail diode
in Rebel-ES



Section view
with Rebel-ES



Front view
Scale: 2:1



Top view
Scale: 2:1

Material: PMMA

Part no. lens only:
C11518_Lotta-A-RE (height: -0.15mm)

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LEDIL

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DRAWING TITLE

Datasheet Lotta-A-RE-tape Assy

DRAWN BY

p

DATE

29.04.2011

CHECKED BY

s

n

DATE

01.09.2010

DESIGNED BY

ol

DATE

23.06.2010

SIZE

A4

DRAWING NUMBER

CA11519

REV

2

SCALE

2:1

WEIGHT (g)

SHEET

1/1

D

A