

**Product number FCN13698\_ANGELA-M**

Family	ANGELA	FWHM	29 degrees
Type	RefPack	Efficiency	85 %
LED	VERO29	cd/lm	1.900
Color	Metal	Gerber File	Available
Diameter	119.5 mm	For Bridgelux Vero29 LEDiL clamp C13584 included	
Height	79.31 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	On production		

**Product number FCN13704\_ANGELA-W**

Family	ANGELA	FWHM	46 degrees
Type	RefPack	Efficiency	82 %
LED	VERO29	cd/lm	1.190
Color	Metal	Gerber File	Available
Diameter	119.5 mm	For Bridgelux Vero29 LEDiL clamp C13584 included	
Height	79.31 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	-		
Status	On production		

**Product number C13584  
Description 1**

Family	ANGELA	FWHM	N/A degrees
Type	Base part	Efficiency	-
LED	VERO29	cd/lm	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	53 mm		
Height	5.5 mm		
Style	Round		
Optic Material	-		
Holder Material	PC		
Fastening	-		
Status	On production		

**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 ANGELA series

last update 26/5/2014



### GENERAL INFORMATION

- Product series especially designed & optimized for VERO29 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 (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

H G F E D C B A

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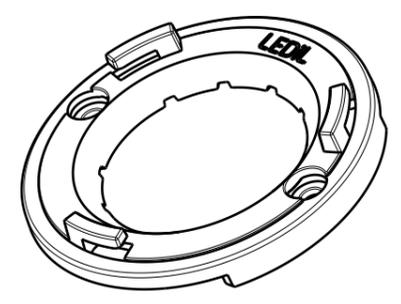
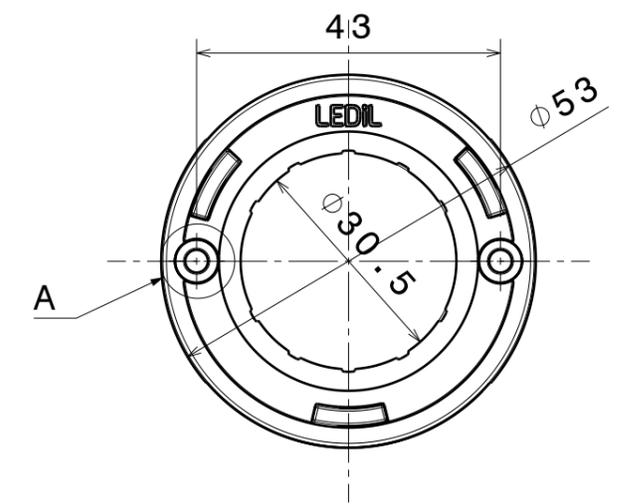
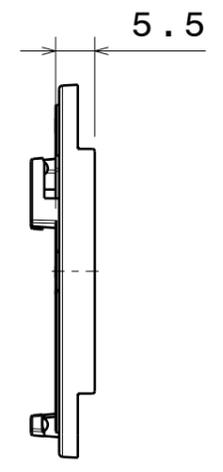
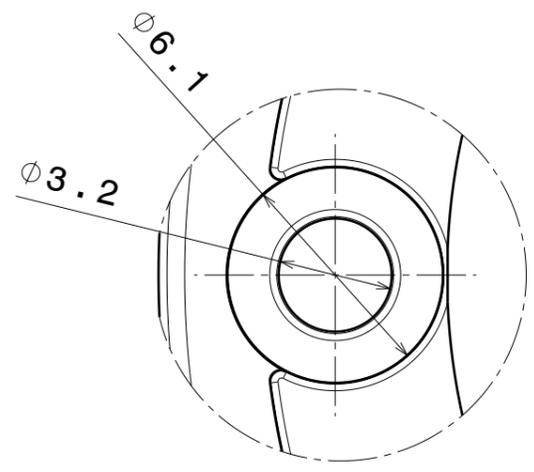
1

4

3

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1



Right view  
Scale: 1:1

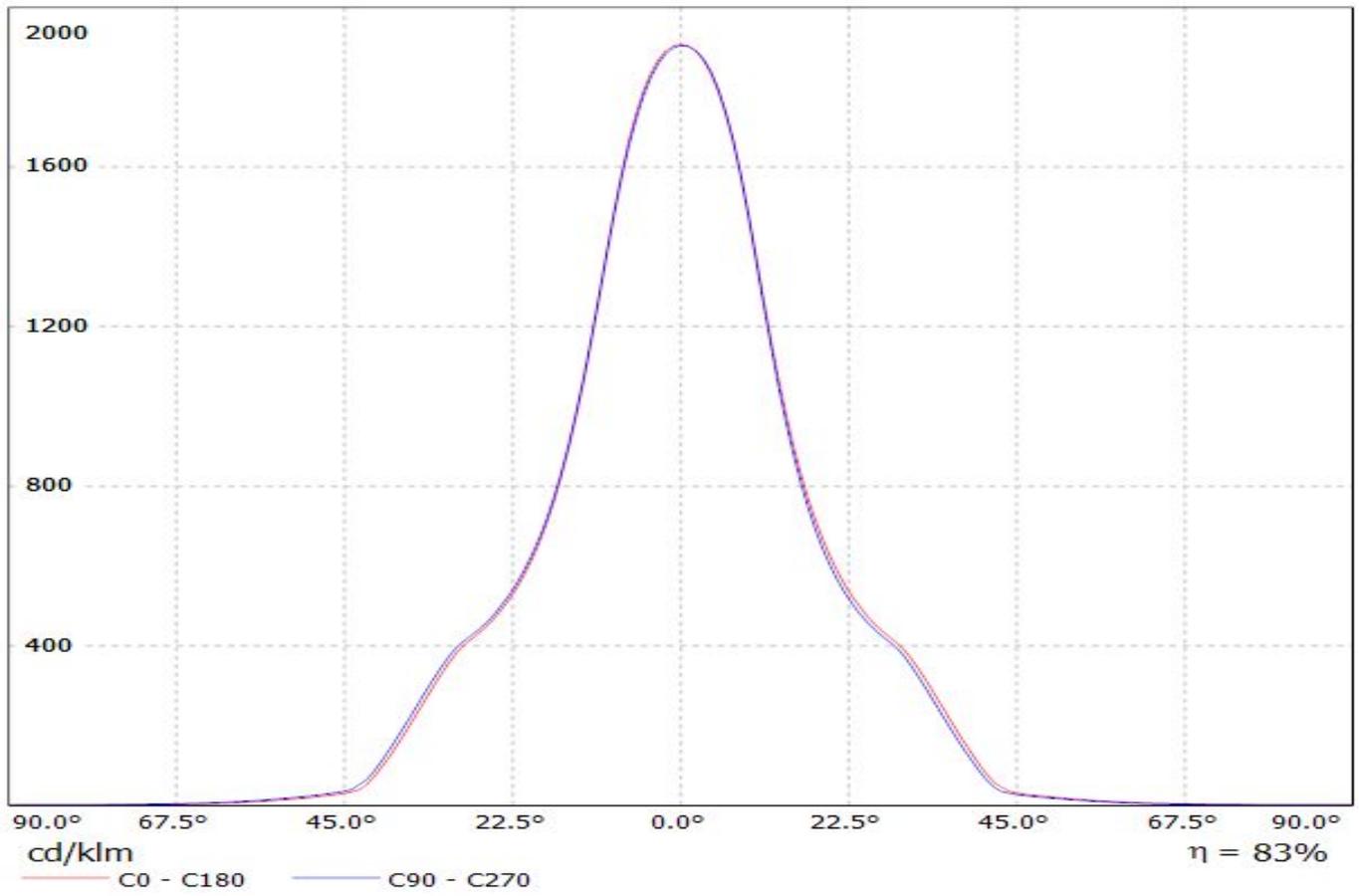
Front view  
Scale: 1:1

Isometric view  
Scale: 1:1

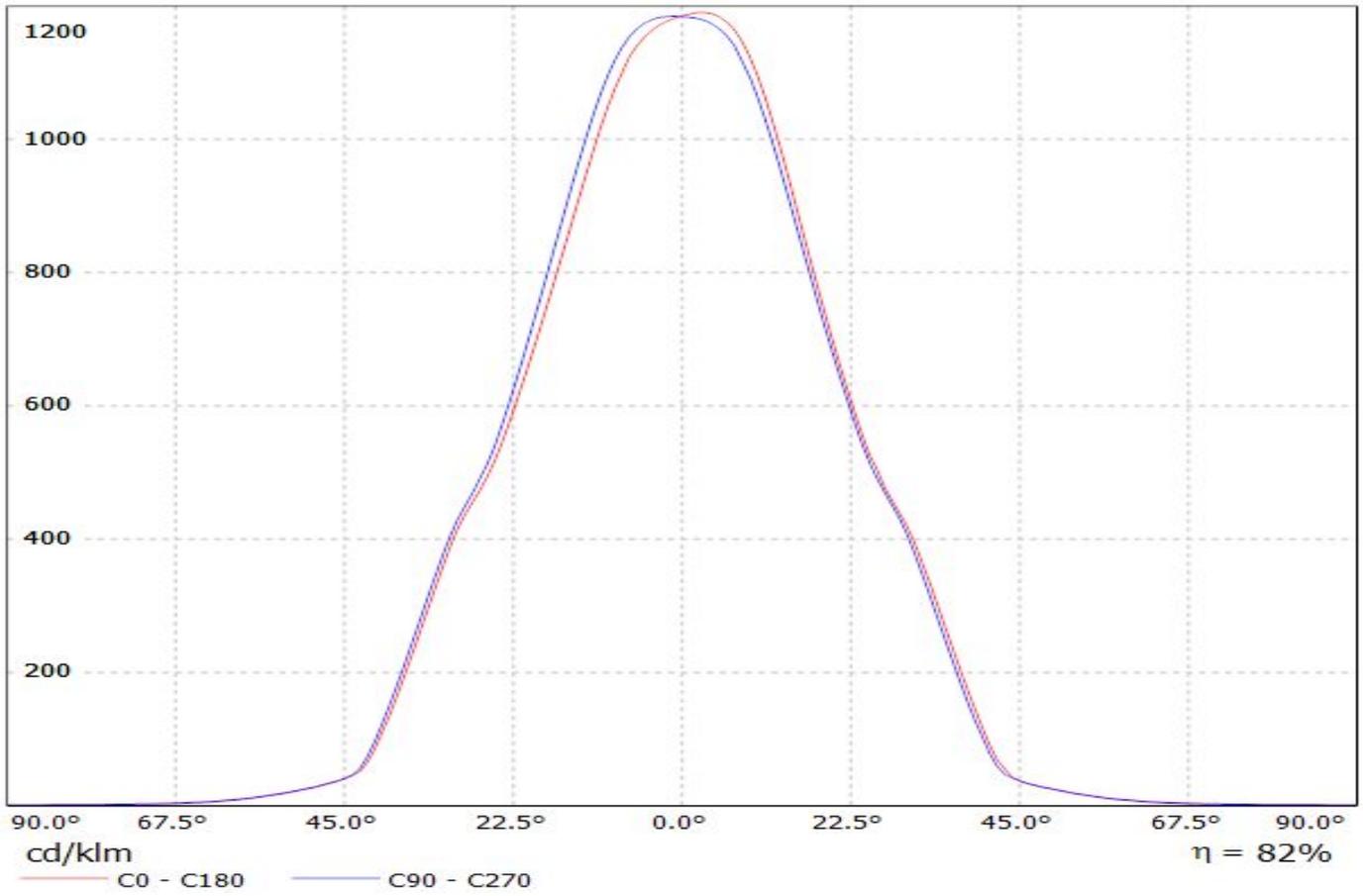
This drawing is our property. It can't be reproduced or communicated without our written agreement.		 Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWING TITLE		Part Drawing	
DRAWN BY PL		DATE 04.03.2013	
CHECKED BY -		DATE -	
DESIGNED BY PL		DATE -	
SIZE A3	PART NUMBER C13584		REV 001
SCALE 1:1	WEIGHT -	SHEET 1/1	

H G B A

Luminaire: LEDiL Oy FCN13698\_ANGELA-M\_(VERO29) Eff.83.2%  
Lamps: 1 x VERO29\_(BXRC-50C10K0-L-04)\_1388.09lm@250mA\_CCT=1399K\_P=8.60286W\_I=249.8mA

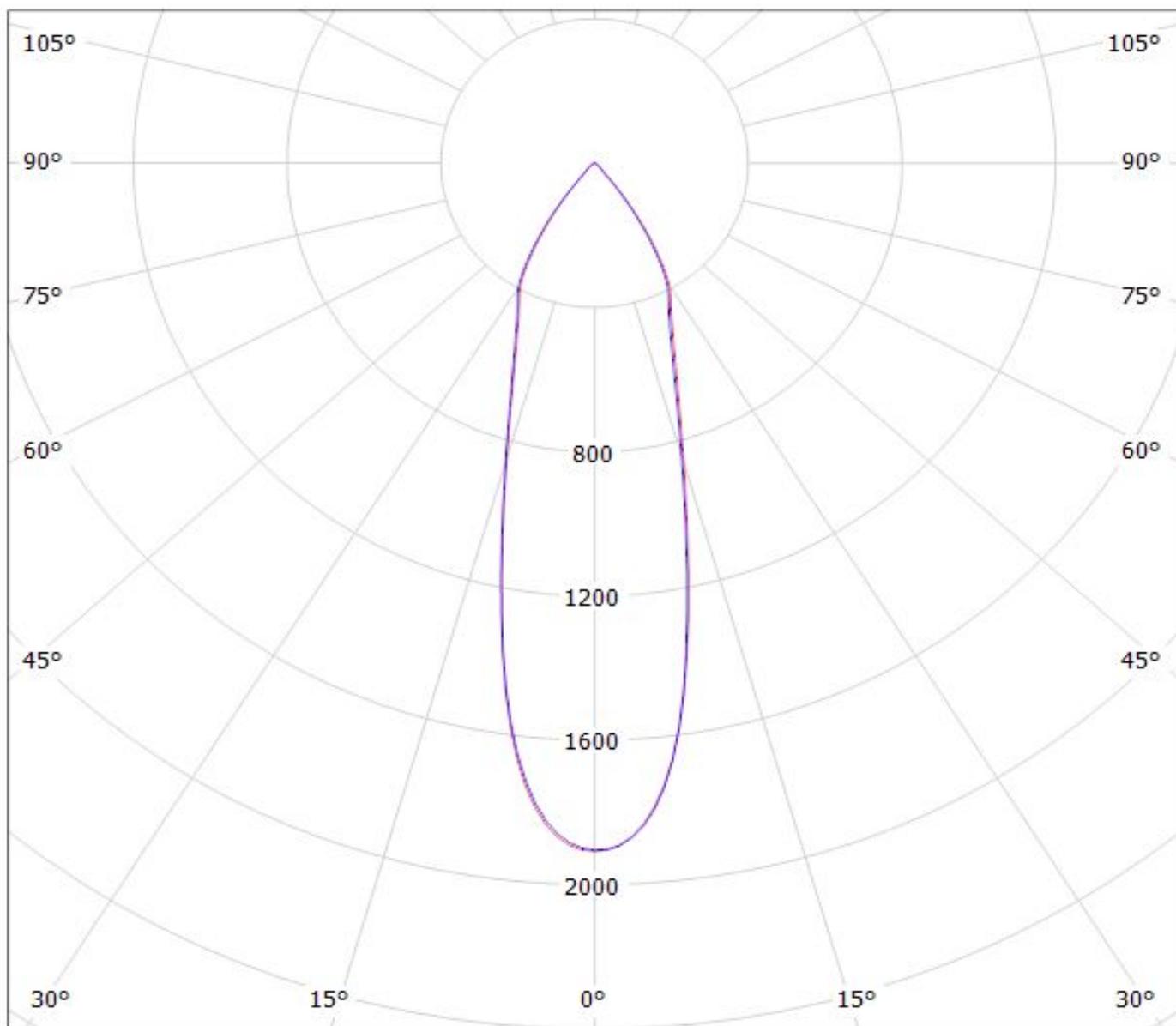


Luminaire: LEDiL Oy FCN13704\_ANGELA-W\_(VERO29) Eff.82.3%  
Lamps: 1 x VERO29\_(BXRC-50C10K0-L-04)\_1388.09lm@250mA\_CCT=1399K\_P=8.60286W\_I=249.8mA



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cd/klm

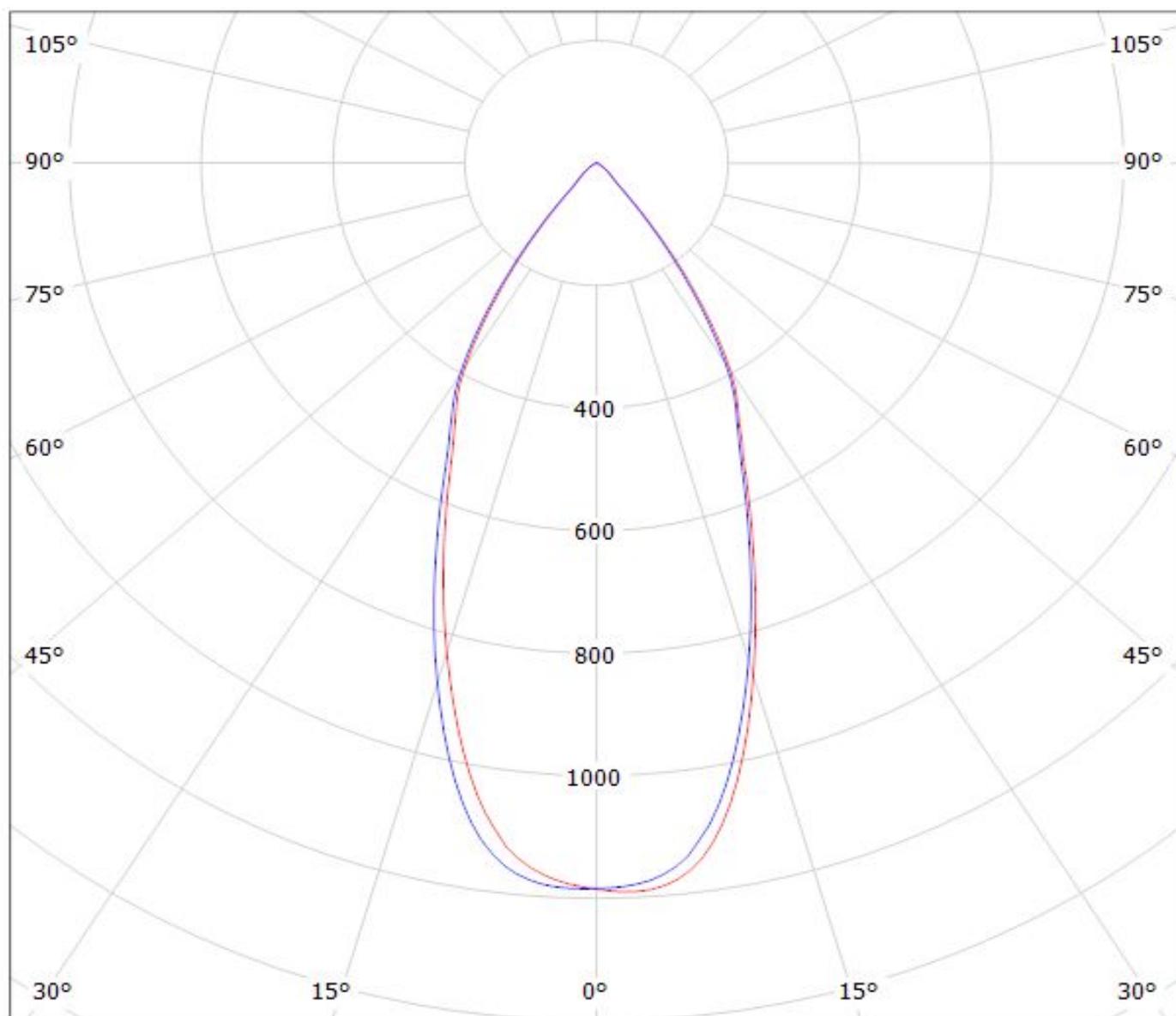
— C0 - C180

— C90 - C270

$\eta = 83\%$

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