



**Ordering number C12512\_RITA-A**

Family	Rita	FWHM	Asym degrees
Type	Reflector	Efficiency	85 %
LED	XM-L	cd/Im	0.600
Color	White	Gerber File	Available
Diameter	36+28.4 mm		
Height	17.1 mm		
Style	Rectangular		
Optic Material	PC		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

**Ordering number CA12514\_RITA-A**

Family	Rita	FWHM	Asym degrees
Type	Reflector	Efficiency	85 %
LED	XM-L	cd/Im	0.600
Color	White	Gerber File	Available
Diameter	36 + 28.4 mm		
Height	17.3 mm		
Style	Rectangular		
Optic Material	PC		
Holder Material	-		
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.**



## PRODUCT DATASHEET

### Rita series

last update 4/9/2012



#### GENERAL INFORMATION

- Product series especially designed & optimized for XM-L 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](http://www.ledil.com/datasheets/DataSheet_TAPE.pdf)

- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.  
[http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.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 board 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.**

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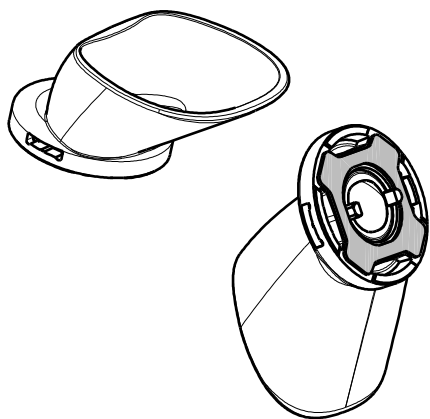
**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**

D

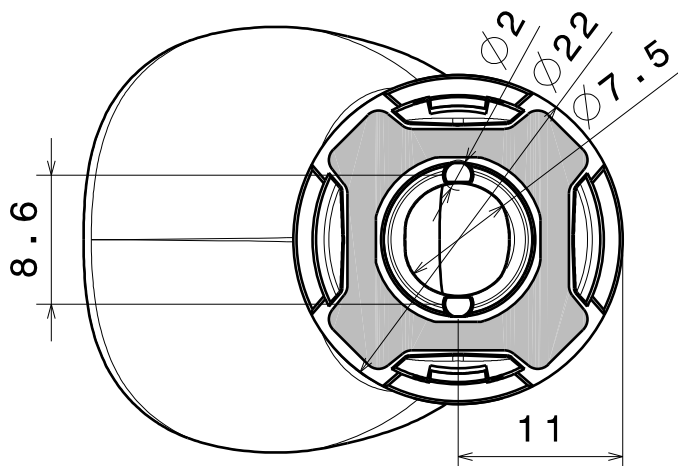
C

B

A



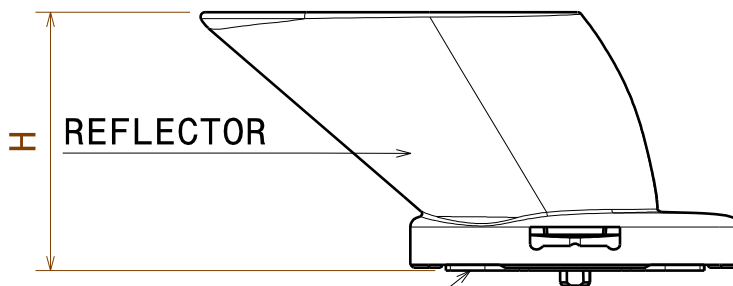
Isometric view



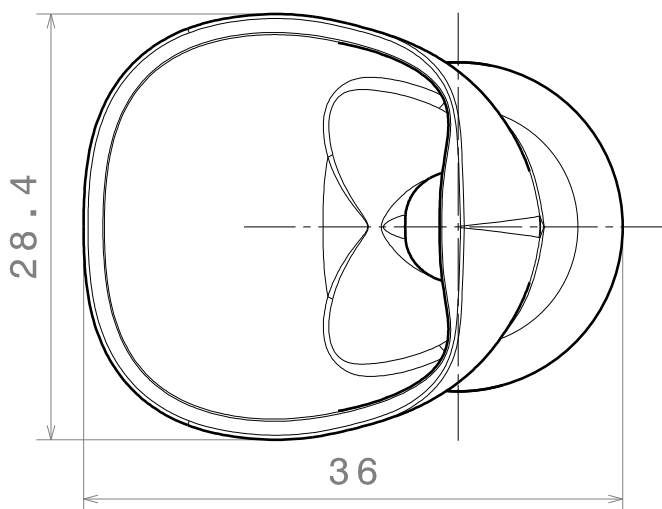
Bottom view

## DIMENSION H:

- WITH TAPE 17.3mm
- WITHOUT TAPE 17.1mm



Front view



Top view

Tolerances for dimensions:  
0-20mm tolerance value  $\pm 0.1\text{mm}$   
21-45mm tolerance value  $\pm 0.2\text{mm}$   
46-90mm tolerance value  $\pm 0.3\text{mm}$   
91-100mm tolerance value  $\pm 0.4\text{mm}$   
101-mm tolerance value  $\pm 0.5\text{mm}$

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Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

## DRAWING TITLE

Datasheet RITA-A reflector

DRAWN BY

mav

DATE

30.12.2011

CHECKED BY

sn

DATE

30.12.2011

SIZE

A4

DRAWING NUMBER

-

REV

1

DESIGNED BY

hh/pl

DATE

30.12.2011

SCALE

1:1

WEIGHT (g)

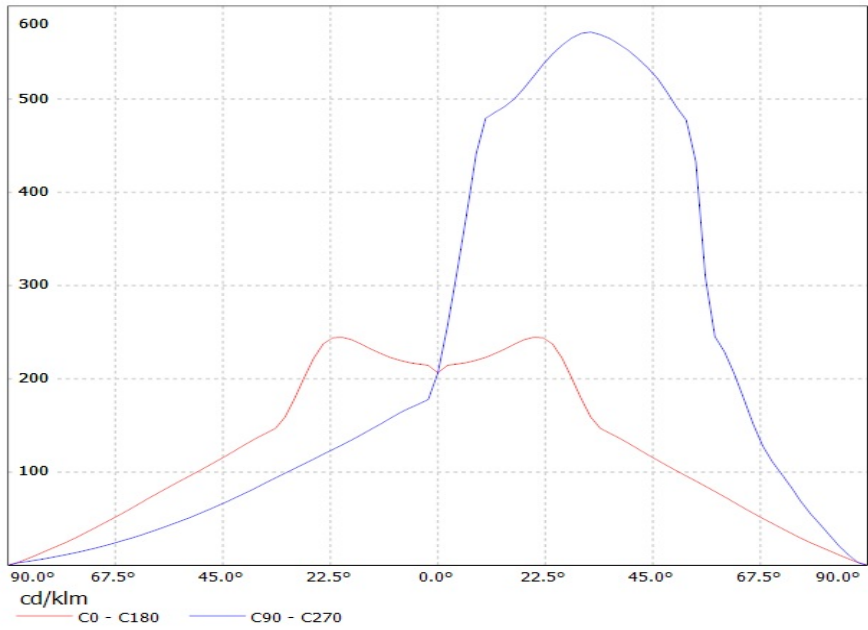
SHEET

1/1

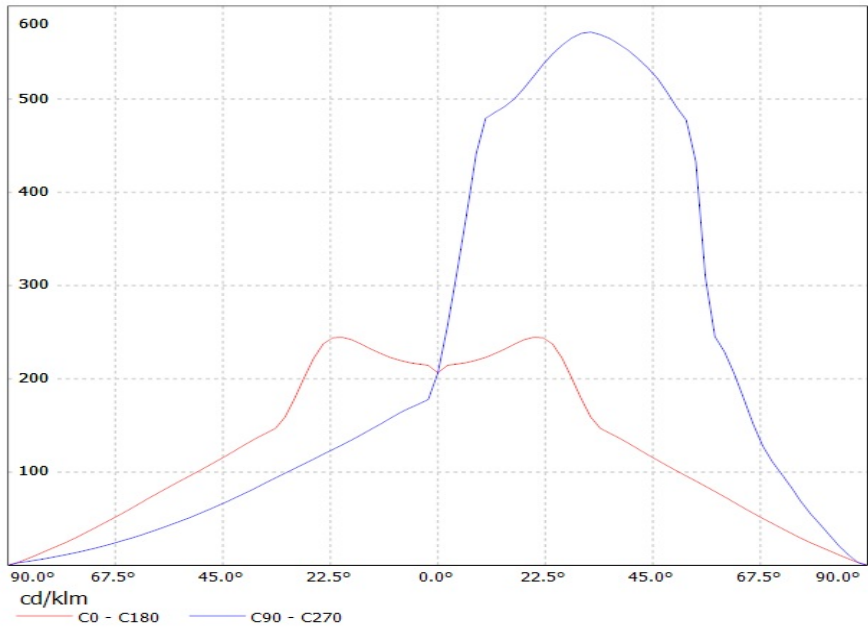
D

A

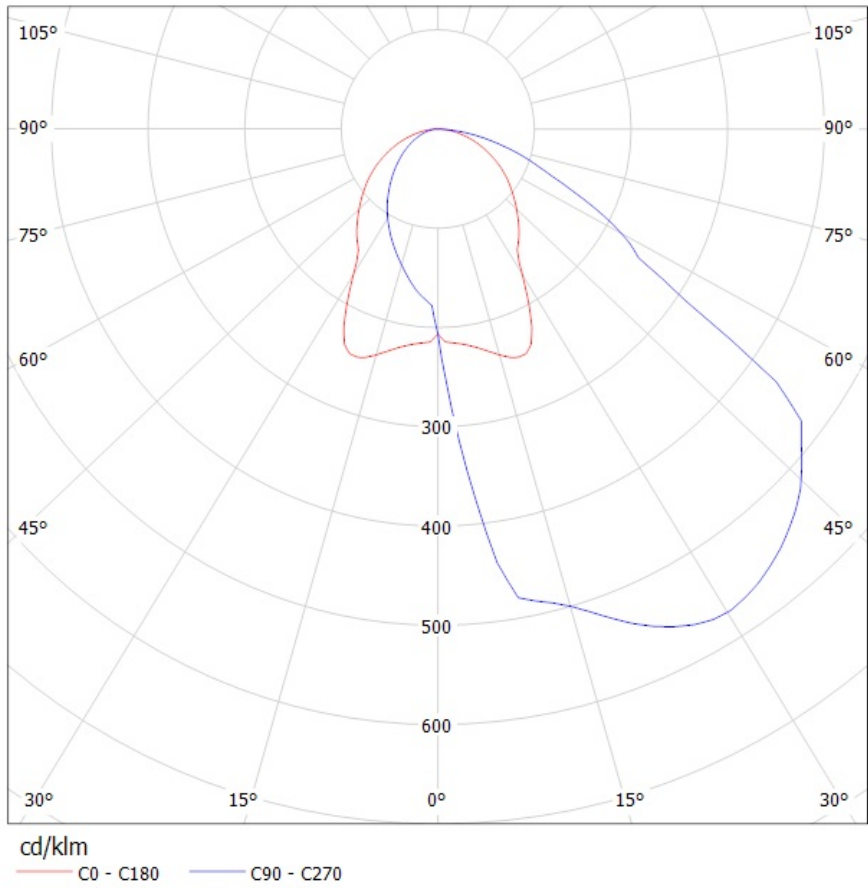
Luminaire: Ledil Oy C12512\_RITA-A / CA12514\_RITA-A (XM-L) Efficiency=85%  
Lamps: 1 x Cree XM-L 87lm@250mA



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