



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# PRODUCT DATASHEET

## Mirella series

last update 2/11/2016

### DETAILS

<b>Product Number</b>	CN13919_MIRELLA-50-M-PF-VERO10
<b>Family</b>	Mirella
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	49,9 mm
<b>Height</b>	24 mm
<b>Style</b>	round
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	2/11/2016



### OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
VERO10	28 deg	Medium	85 %	2.200	-
Ostar Lighting+	21 deg	Medium	86 %	3.500	-

D

C

B

A

4

4

LED position

∅ 49.9

∅ 31

C/C

∅ 3

3

3

Reflector

Socket

Isometric view  
Scale: 3:2

25.8

CN13917\_MIRELLA-50-S-PF-VER010  
CN13919\_MIRELLA-50-M-PF-VER010  
CN13921\_MIRELLA-50-W-PF-VER010

NOTE: It is recommended to use glue like DELO-PUR 9895 for pin fastening.

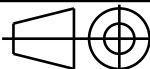
[http://www.delo.de/fileadmin/datasheet/DELO-PUR\\_9895\\_\(TIDB-GB\).pdf](http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf)

2

2

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** LediL Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION: 

DRAWING TITLE  
**MIRELLA-50-PF-VER010**

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SIZE	PART NUMBER		
A4	-		
SCALE	3:2	WEIGHT	-
			SHEET 1/1

1

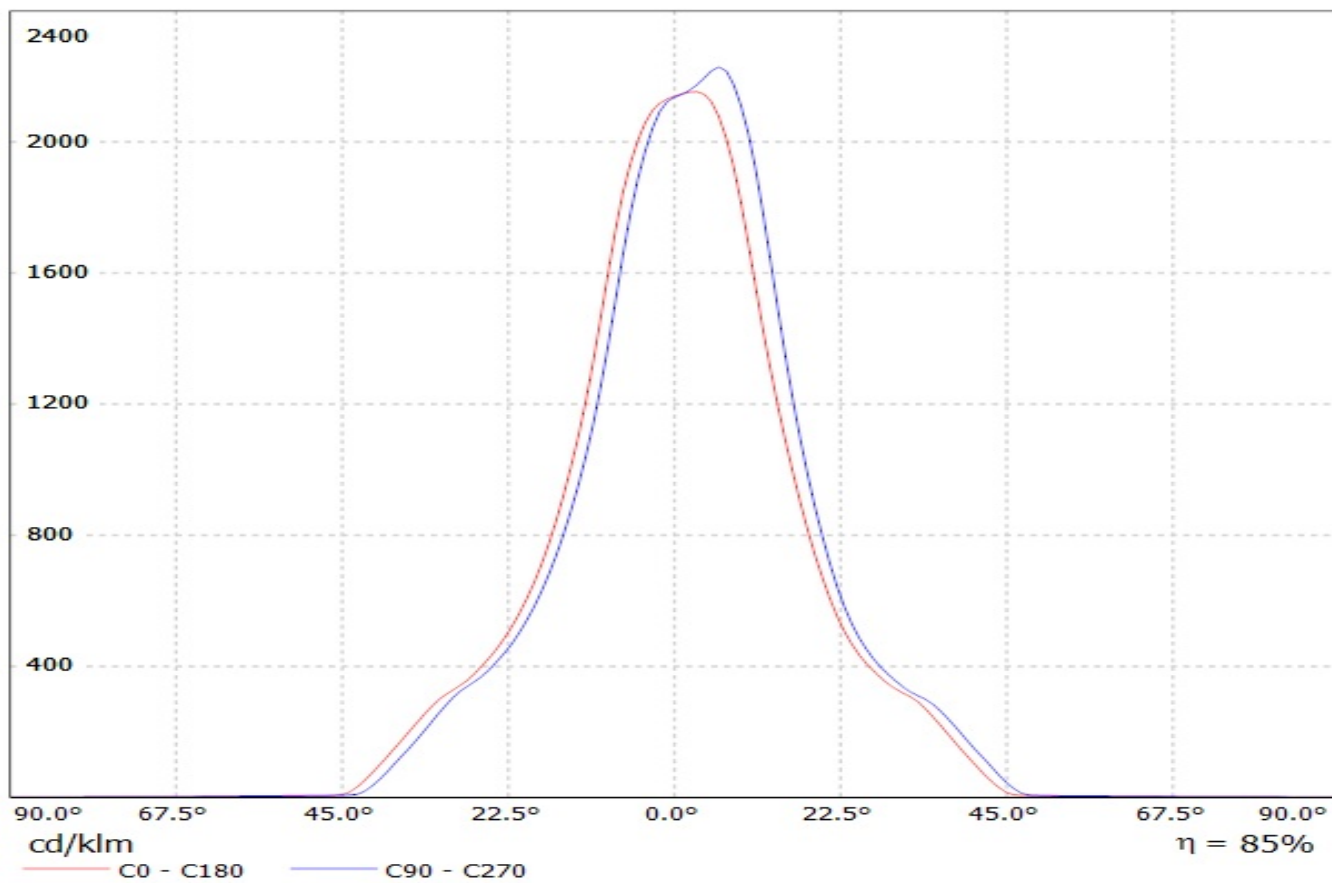
1

D

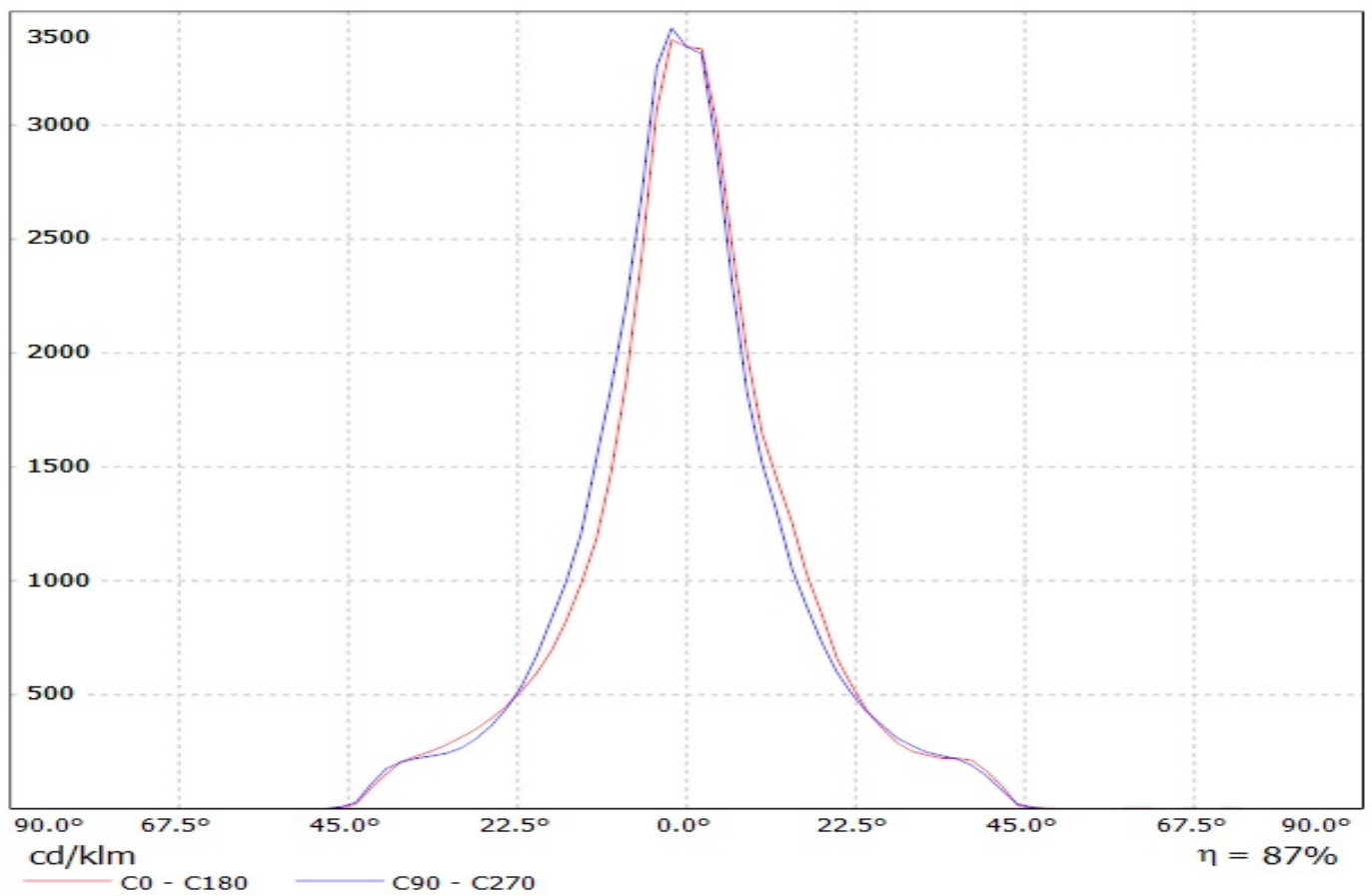
A



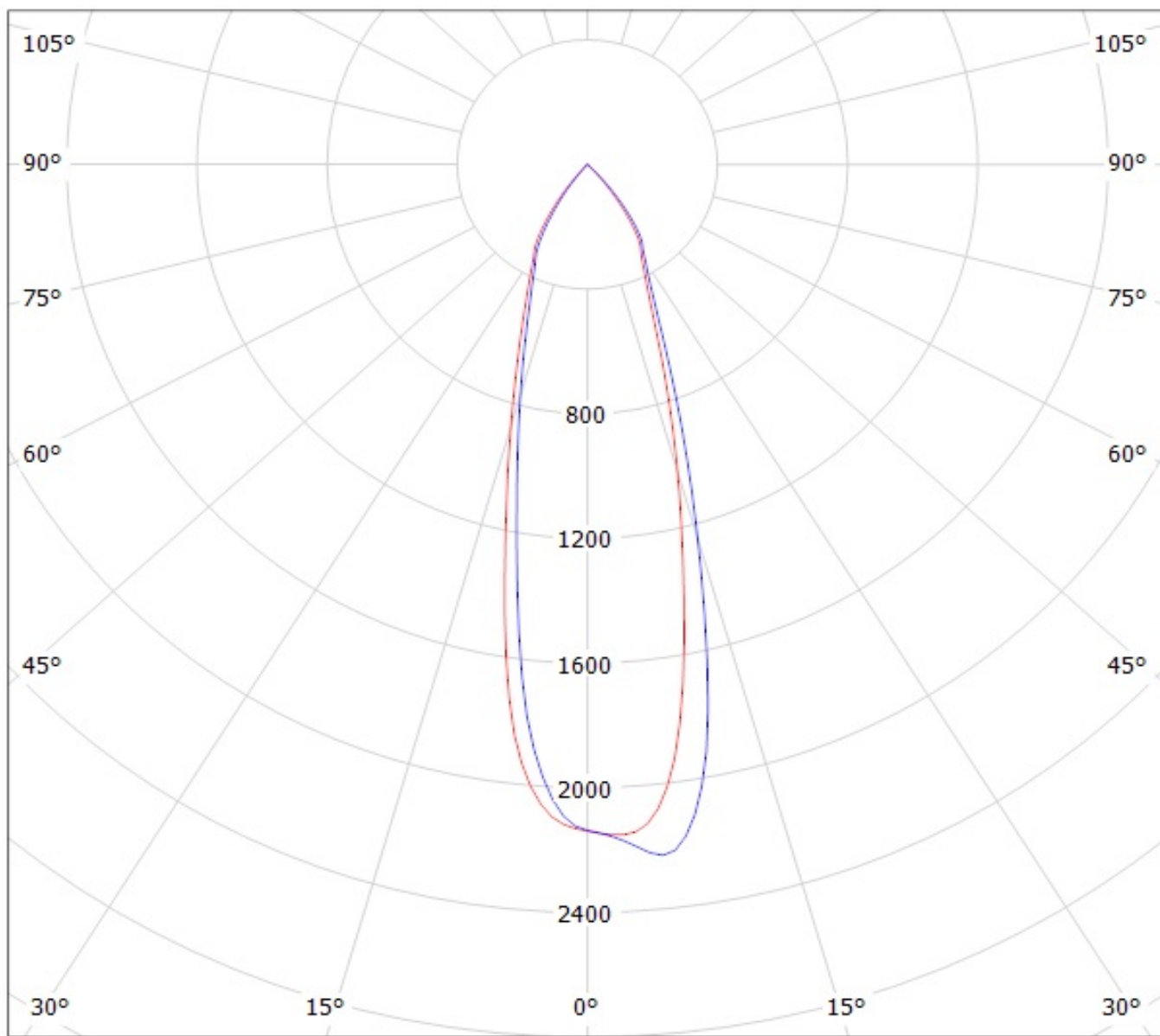
Luminaire: LEDiL Oy CN13919\_MIRELLA-50-M-PF-VERO10\_(VERO10) Eff: 85%  
Lamps: 1 x Bridgelux\_VERO10\_(BXRC-30E1000B) 652lm@250mA\_CCT=3000K\_P=6.21802W\_I=249.8mA



Luminaire: LEDil Oy CN13919\_MIRELLA-50-M-PF-VERO10\_(Ostar\_Lighting+) Efficiency=86%  
Lamps: 1 x Osram Ostar Lighting+ (236lm @ 250mA) CCT=3100K P=3.2W I=250mA



Luminaire: LEDiL Oy CN13919\_MIRELLA-50-M-PF-VERO10\_(VERO10) Eff: 85%  
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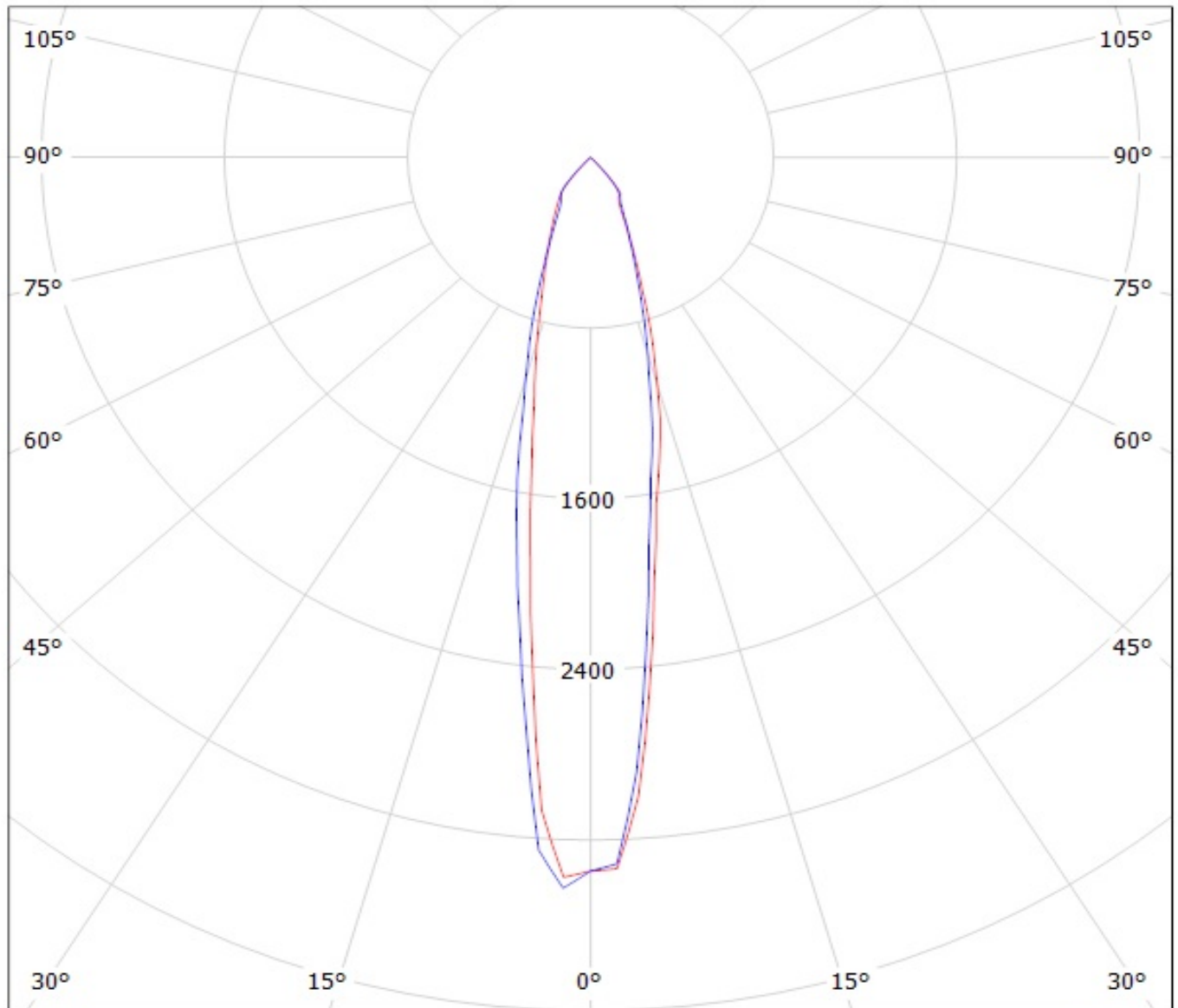


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CN13919\_MIRELLA-50-M-PF-VERO10\_(Ostar\_Lighting+) Efficiency=86%  
Lamps: 1 x Osram Ostar Lighting+ (236lm @ 250mA) CCT=3100K P=3.2W I=250mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

**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 series of LEDs.
- Special care taken to make light distribution as uniform as possible.

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.