



# PRODUCT DATASHEET

## CARMEN series

last update 30/5/2016

### DETAILS

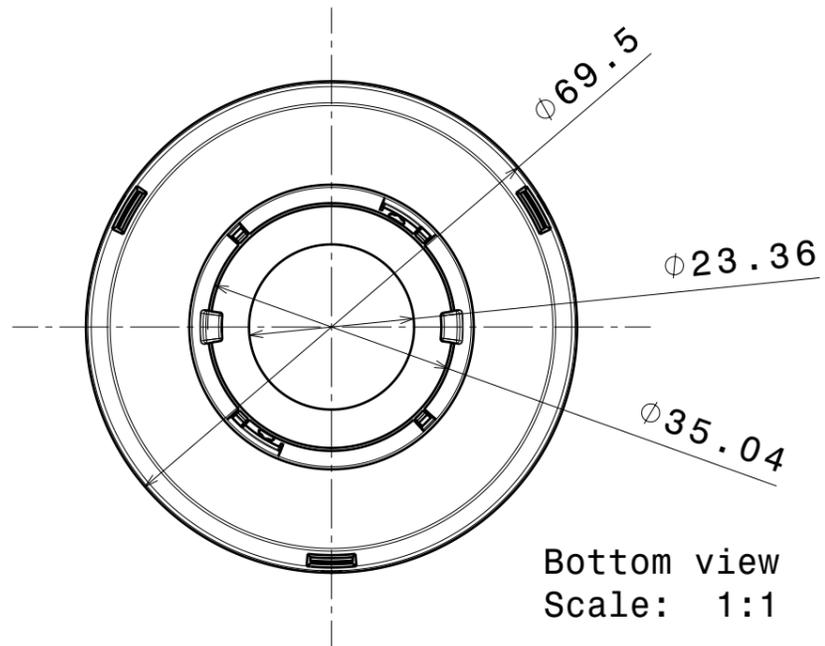
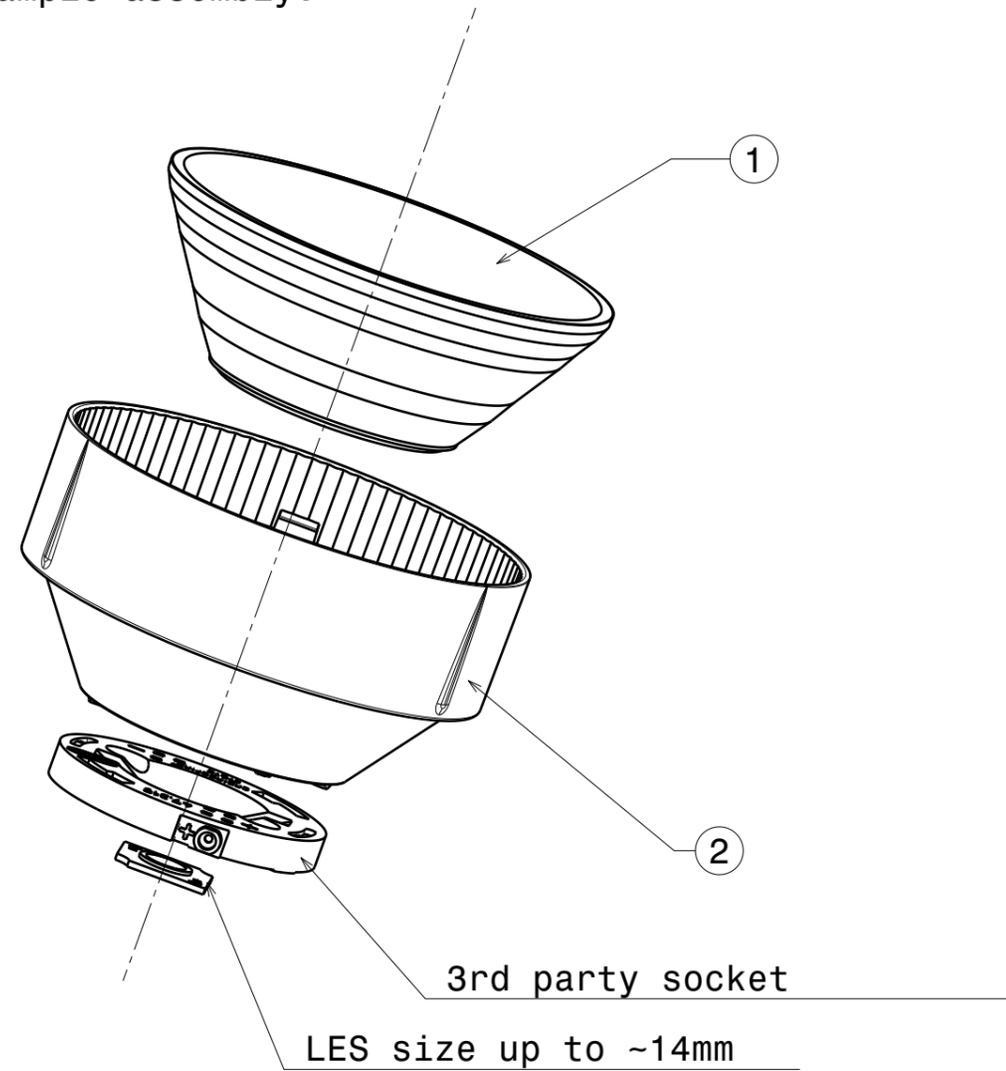
<b>Product Number</b>	CP15313_CARMEN-W-B
<b>Family</b>	CARMEN
<b>Type</b>	Lens
<b>Color</b>	black
<b>Diameter</b>	69,93 mm
<b>Height</b>	36,26 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	PC
<b>Fastening</b>	
<b>Status</b>	sample approved
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	30/05/2016



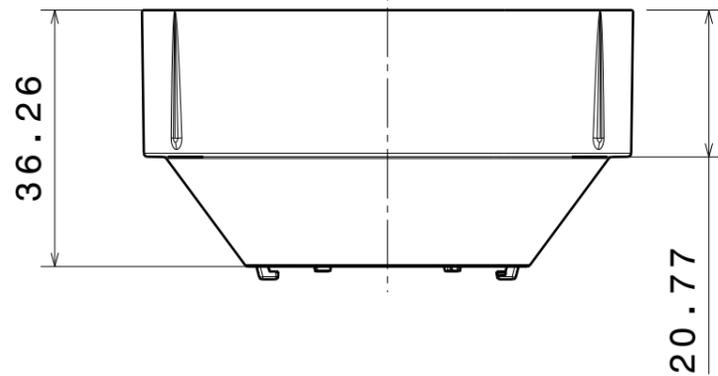
### OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CXA/B 15xx	sim: 53	Wide	sim: 73 %	sim: 0.969	-
CLL02x/CLU02x (LES10)	sim: 55	Wide	sim: 73 %	sim: 0.960	-

Example assembly:



Bottom view  
Scale: 1:1



Side view A  
Scale: 1:1

INDEX	PART NO	MATERIAL	COLOUR
1	CARMEN-LENS	PMMA	
2	F15211_CARMEN-HLD-B	PC	BLACK

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  
**CARMEN - B**

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SIZE PART NUMBER  
**A3**

SCALE 1:1 WEIGHT SHEET 1/1

**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.