

## BARBARA-S

~15° spot beam

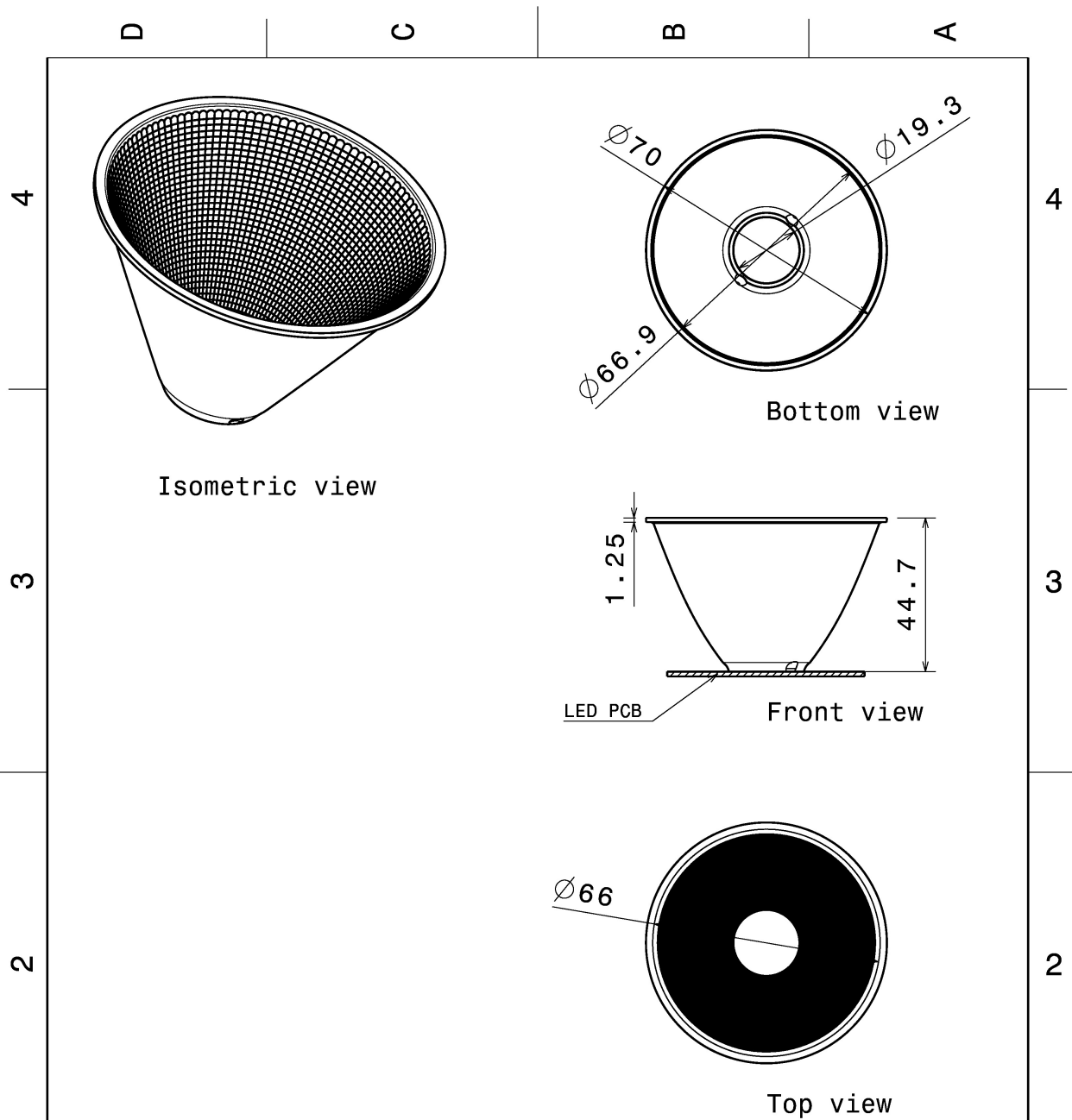
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 70 mm
Height	44.7 mm
Fastening	glue
Colour	metal
Box size	476 x 273 x 247 mm
Box weight	6.1 kg
Quantity in Box	288 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Coating
BARBARA-S	Reflector	PC	metal	lacquer



Material: PC with Metal coating and clear lacquer

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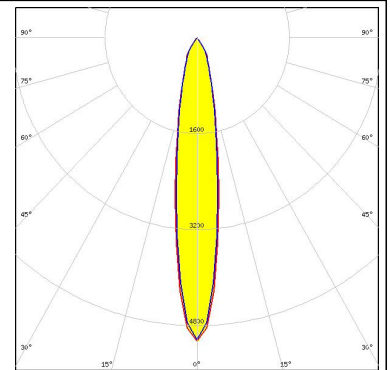
Ledil Oy  
Salorankatu 10  
FIN-24100 SALO  
Finland

DRAWN BY ah		DATE 3.1.2012	DRAWING TITLE Datasheet Barbara Reflector series		
CHECKED BY sn	DATE 3.1.2012	SIZE A4	DRAWING NUMBER		REV 2
DESIGNED BY ol	DATE 23.06.2010	SCALE 2:3	WEIGHT (g)	SHEET 1/1	

### PHOTOMETRIC DATA (MEASURED):

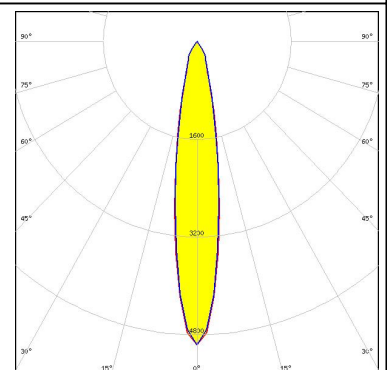
bridgelux

LED BXRA ES Rectangle  
FWHM 17.0°  
Efficiency 90 %  
Peak intensity 5.060 cd/lm  
Required components:



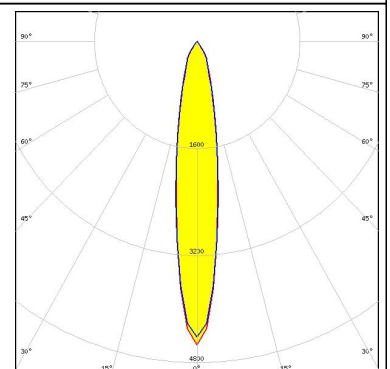
### CITIZEN

LED CL-L330  
FWHM 17.0°  
Efficiency 90 %  
Peak intensity 5.000 cd/lm  
Required components:



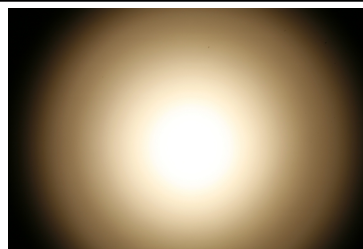
### CREE

LED CXA2011  
FWHM 17.0°  
Efficiency 90 %  
Peak intensity 4.540 cd/lm  
Required components:



### LG Innotek

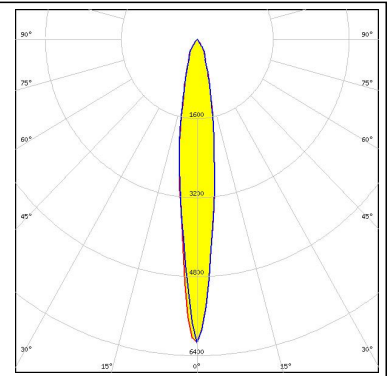
LED COB 10W/13W/17W/24W  
FWHM 19.0°  
Efficiency 90 %  
Peak intensity 4.100 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):

### CITIZEN

LED CLU730/731  
FWHM 14.0°  
Efficiency 91 %  
Peak intensity 6.140 cd/lm  
Required components:



### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

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.

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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