

## CARMEN-S-B

~14° spot beam. Assembly with holder B compatible with Ø40 mm BJB connectors.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	36.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

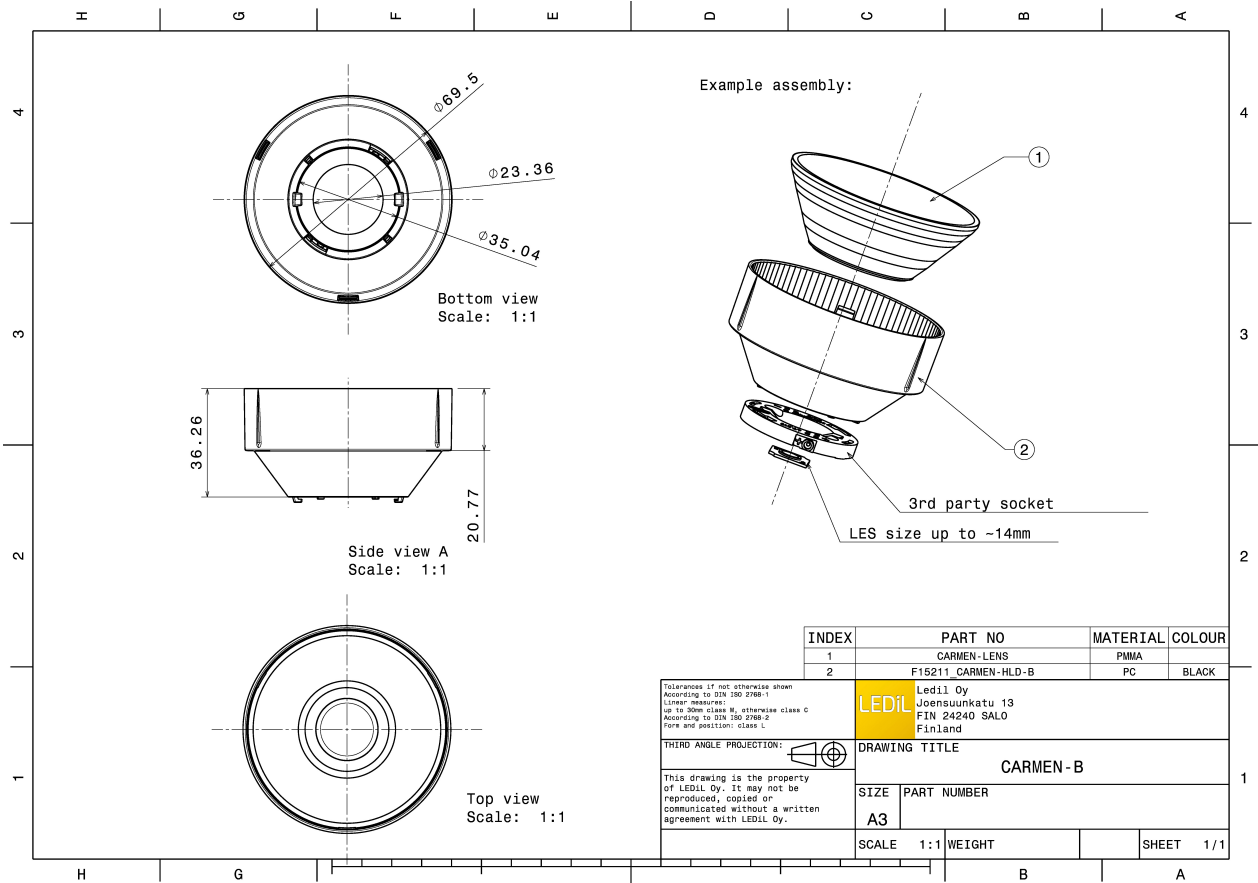
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
CARMEN-S	Single lens	PMMA	clear	
CARMEN-HLD-B	Holder	PC	black	


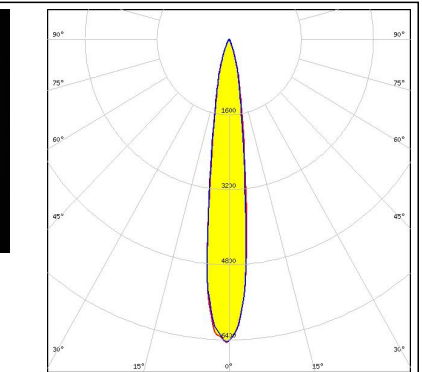
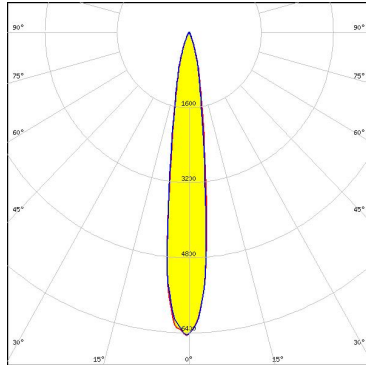
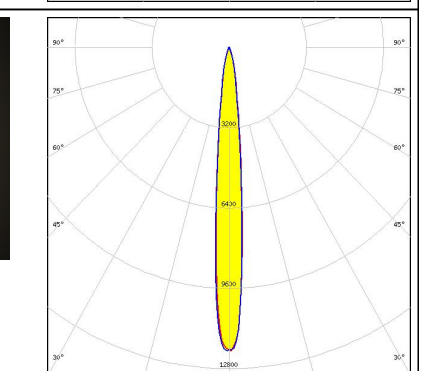


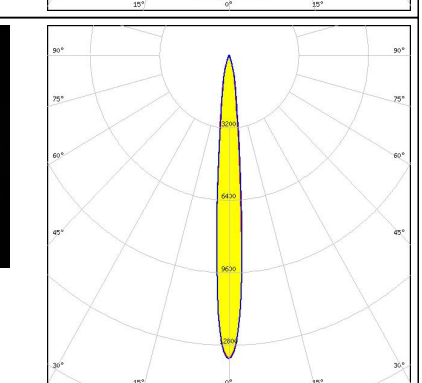


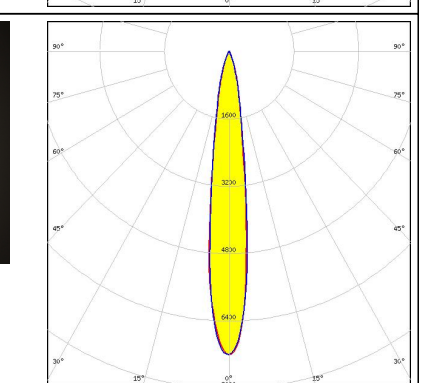
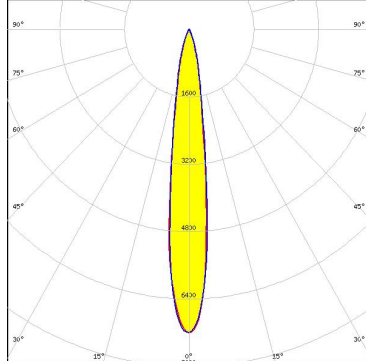


### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP15212_CARMEN-S-B	Single lens	150	150	15	6.1
» Box size: 476 x 273 x 292 mm					



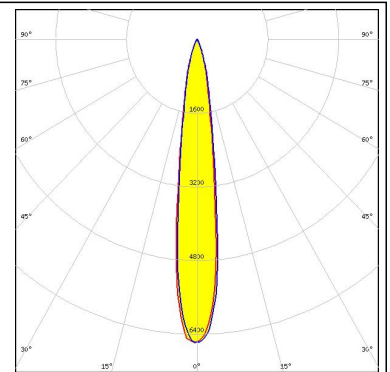
#### PHOTOMETRIC DATA (MEASURED):

<p> LED V10 Gen7            FWHM 14.0°            Efficiency 74 %            Peak intensity 6.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            BJB: 47.319.6060</p>		
<p><b>CITIZEN</b>            LED CLU700/701/702            FWHM 10.0°            Efficiency 77 %            Peak intensity 12 cd/lm            LEDs/each optic 1            Light colour White            Required components:            BJB: 47.319.6060</p>		
<p><b>CREE</b>             LED CXA/B 13xx            FWHM 9.0°            Efficiency 81 %            Peak intensity 13 cd/lm            LEDs/each optic 1            Light colour White            Required components:            BJB: 47.319.6120</p>		
<p><b>CREE</b>             LED CXA/B 15xx            FWHM 14.0°            Efficiency 75 %            Peak intensity 7.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            BJB: 47.319.6101</p>		

#### PHOTOMETRIC DATA (MEASURED):

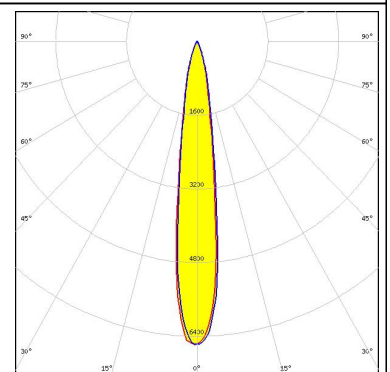
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM 15.0°  
 Efficiency 77 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.6060



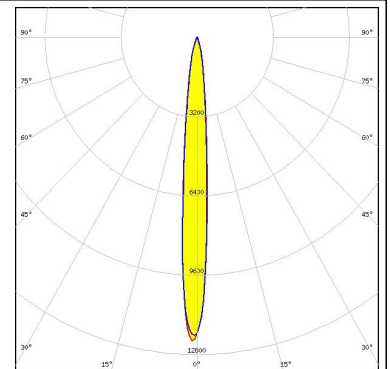
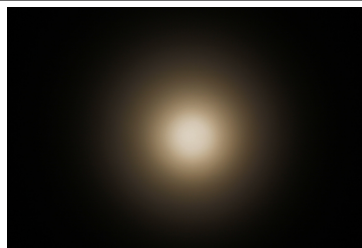
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM 15.0°  
 Efficiency 77 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8100/G2



SEOUL SEMICONDUCTOR

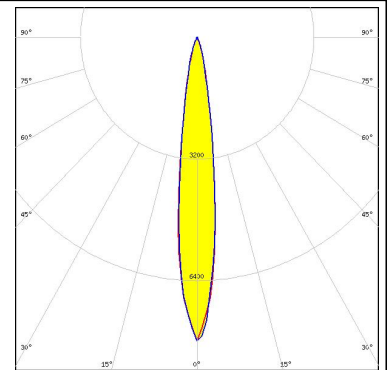
LED MJT COB LES 6  
 FWHM 10.0°  
 Efficiency 77 %  
 Peak intensity 12.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.6060



#### PHOTOMETRIC DATA (SIMULATED):

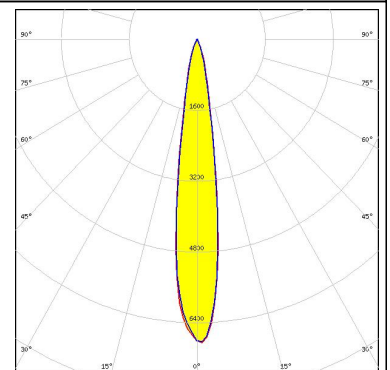


**LED** V10 Gen6  
**FWHM** 14.0°  
**Efficiency** 76 %  
**Peak intensity** 8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.319.6214



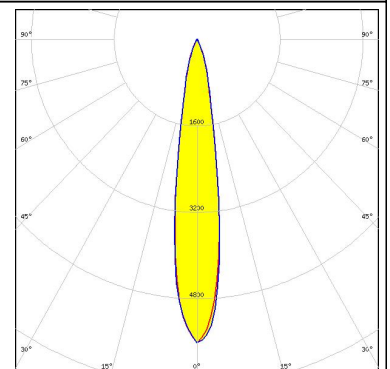
#### CITIZEN

**LED** CLL02x/CLU02x (LES10)  
**FWHM** 16.0°  
**Efficiency** 75 %  
**Peak intensity** 6.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.319.6060

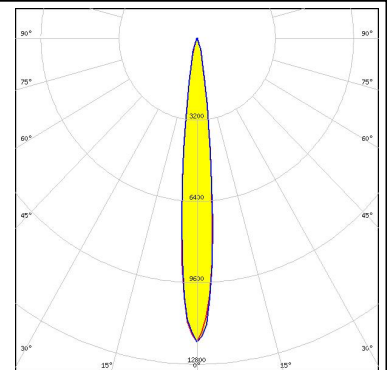


#### CITIZEN

**LED** CLU720/721  
**FWHM** 17.0°  
**Efficiency** 74 %  
**Peak intensity** 5.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** COB S-Type (LES 7)  
**FWHM** 12.0°  
**Efficiency** 80 %  
**Peak intensity** 11.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 BJB: 47.319.6180



#### 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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