

CARMEN-S-B

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

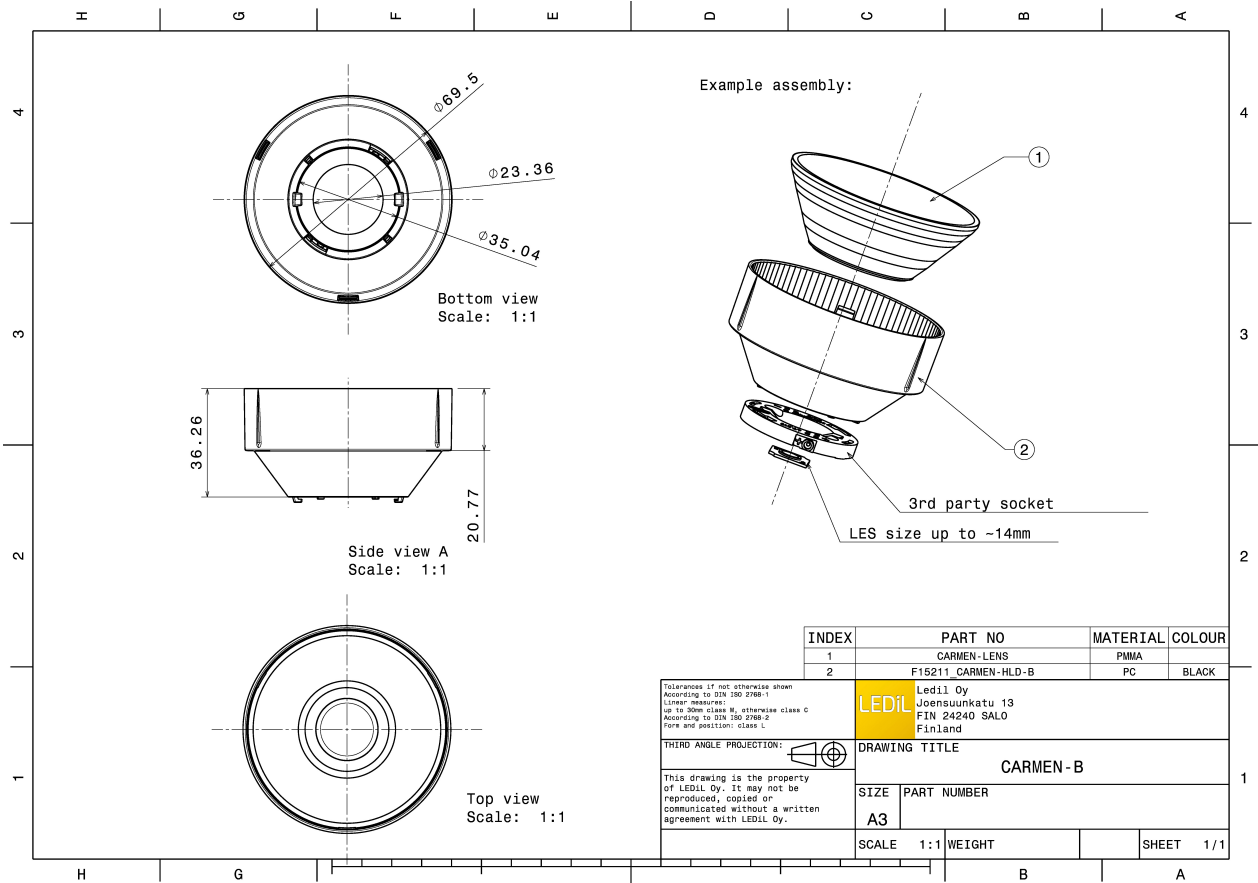
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	36.3 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	6.1 kg
Quantity in Box	150 pcs
ROHS compliant	yes ⓘ



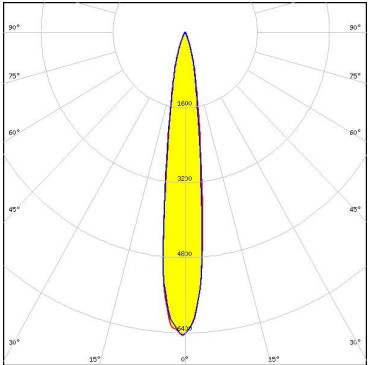
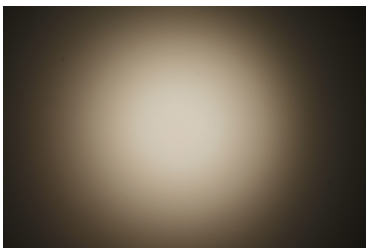
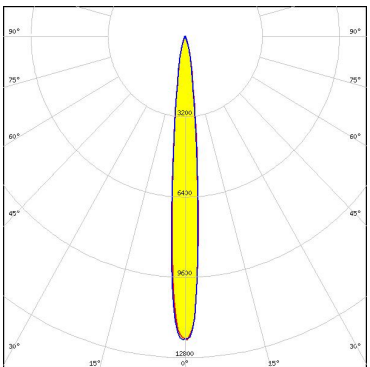


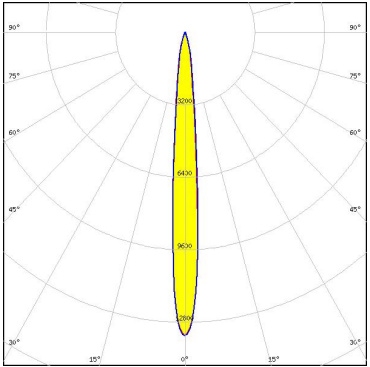

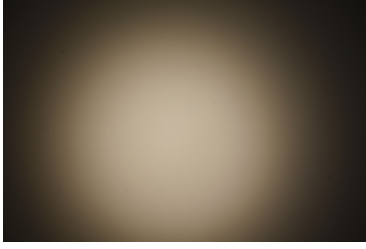
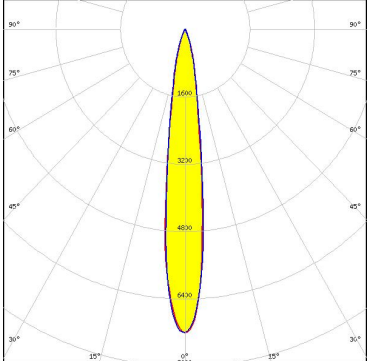


MATERIAL SPECIFICATIONS:

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



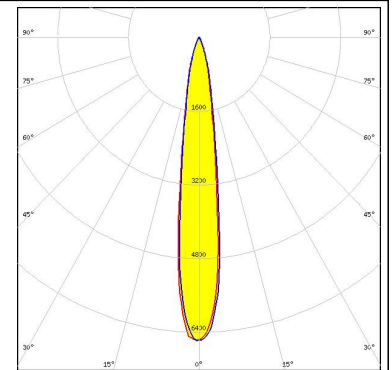
PHOTOMETRIC DATA (MEASURED):

<p> LED V10 Gen7 FWHM 14.0° Efficiency 74 % Peak intensity 6.500 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.6060</p>		
<p>CITIZEN LED CLU700/701 FWHM 10.0° Efficiency 77 % Peak intensity 12.000 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.6060</p>		
<p>CREE  LED CXA/B 13xx FWHM 9.0° Efficiency 81 % Peak intensity 13.000 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.6120</p>		
<p>CREE  LED CXA/B 15xx FWHM 14.0° Efficiency 75 % Peak intensity 7.200 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.6101</p>		

PHOTOMETRIC DATA (MEASURED):

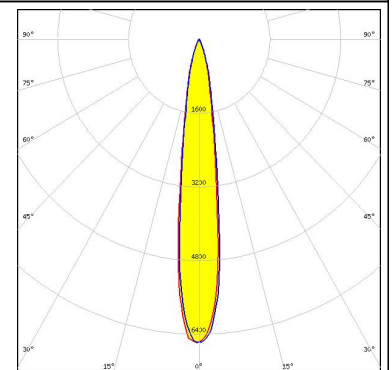
SAMSUNG

LED COB D Series LES 9.8 mm
 FWHM 15.0°
 Efficiency 77 %
 Peak intensity 6.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8100/G2



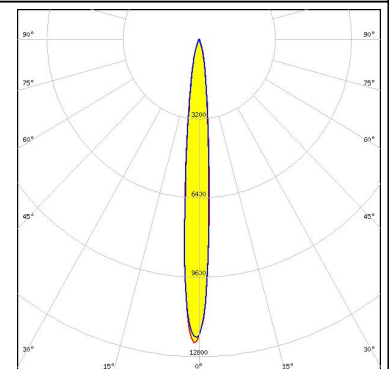
SAMSUNG

LED COB D Series LES 9.8 mm
 FWHM 15.0°
 Efficiency 77 %
 Peak intensity 6.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.6060


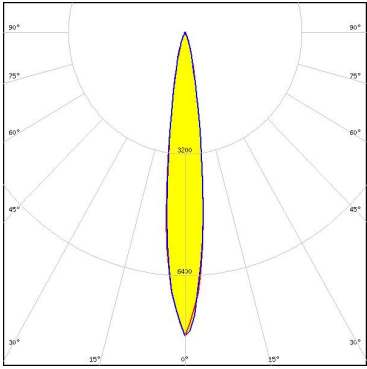
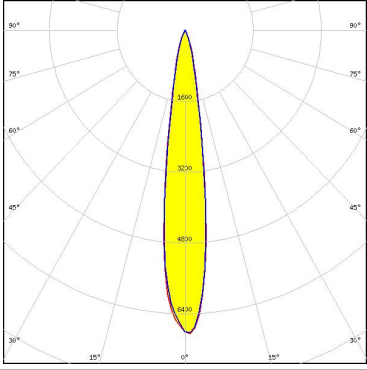
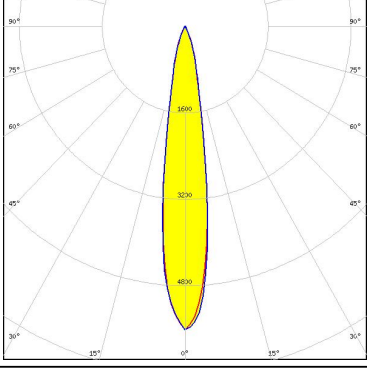

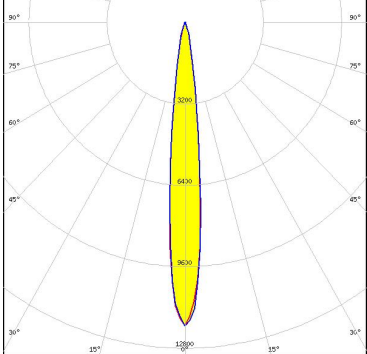


SEOUL SEMICONDUCTOR

LED MJT COB LES 6
 FWHM 10.0°
 Efficiency 77 %
 Peak intensity 12.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.6060



PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux</p> <p>LED V10 Gen6 FWHM 14.0° Efficiency 76 % Peak intensity 8.000 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.6214</p>	
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM 16.0° Efficiency 75 % Peak intensity 6.900 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.6060</p>	
<p>CITIZEN</p> <p>LED CLU720/721 FWHM 17.0° Efficiency 74 % Peak intensity 5.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p> NICHIA</p> <p>LED COB S-Type (LES 7) FWHM 12.0° Efficiency 80 % Peak intensity 11.900 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.6180</p>	

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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