

## 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 ⓘ

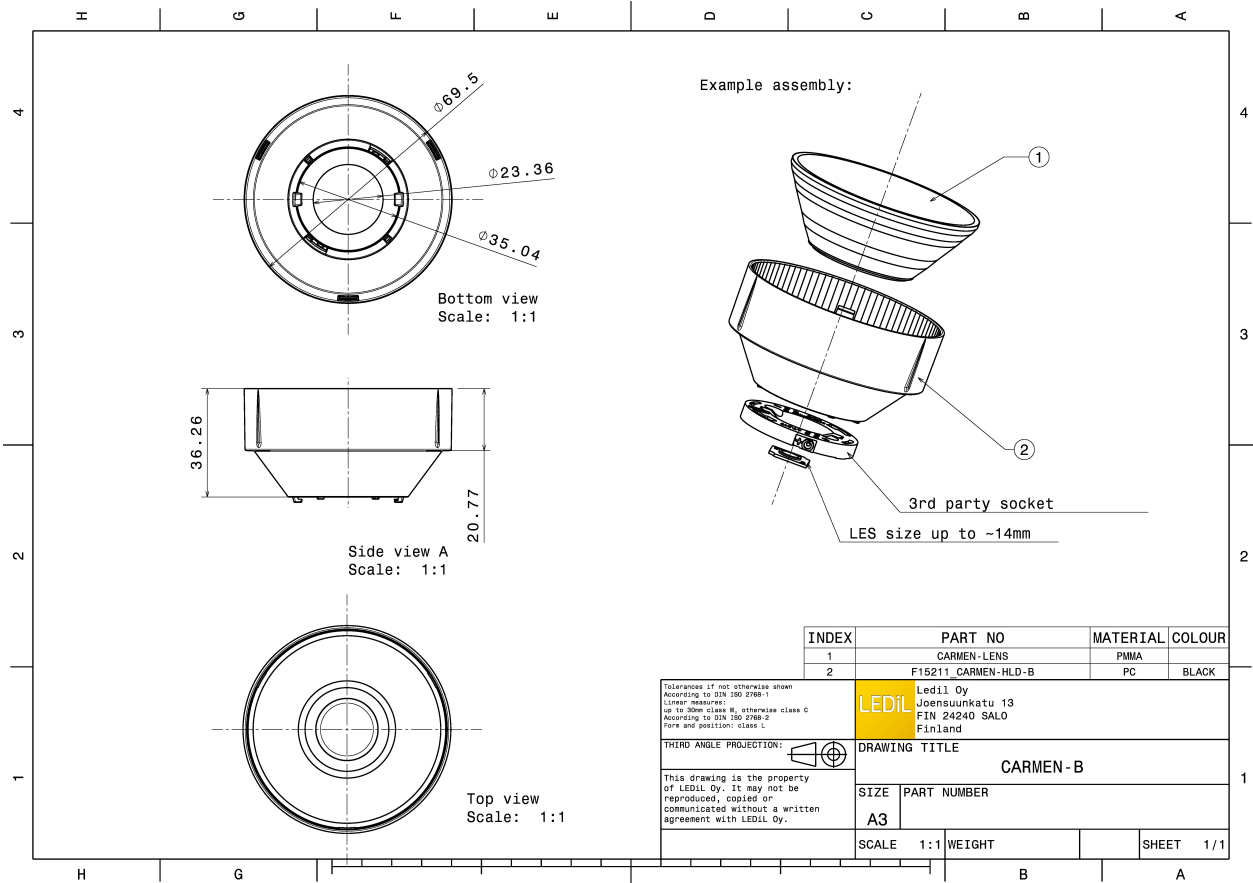
### MATERIAL SPECIFICATIONS:

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


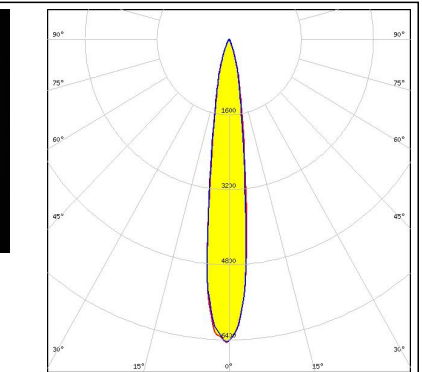
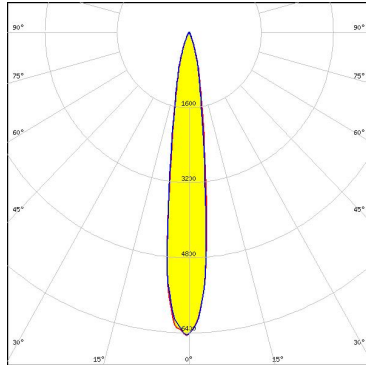
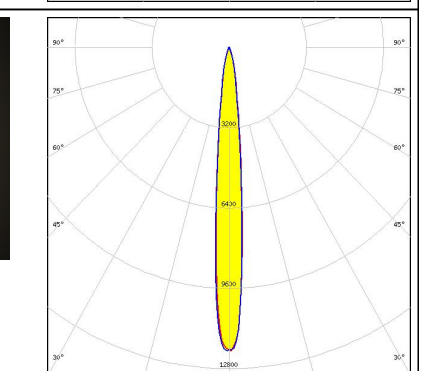


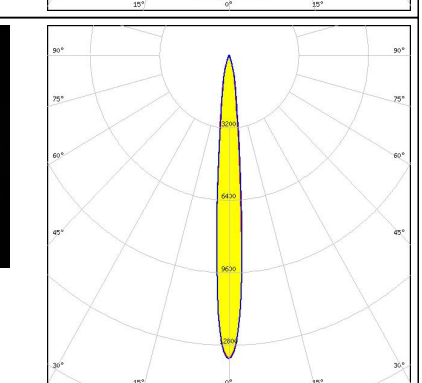


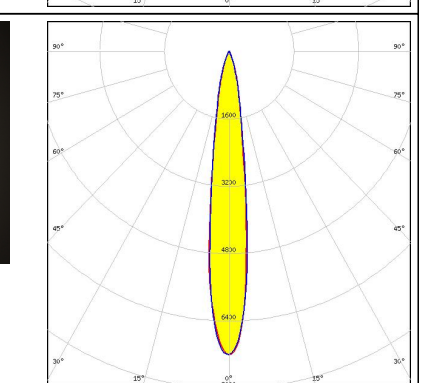


### ORDERING INFORMATION:

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					



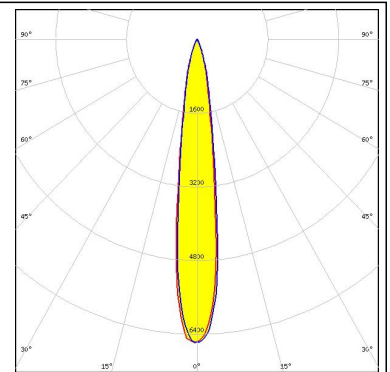
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux</p> <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></p> <p>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> </p> <p>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> </p> <p>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):

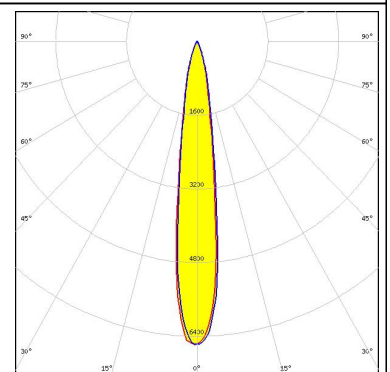
### SAMSUNG

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



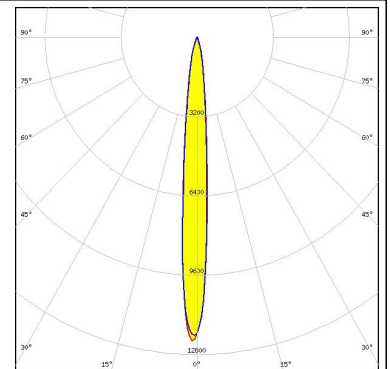
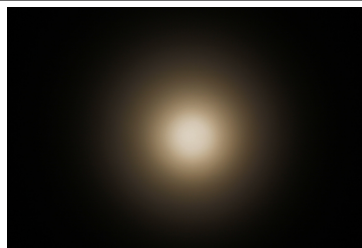
### SAMSUNG

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


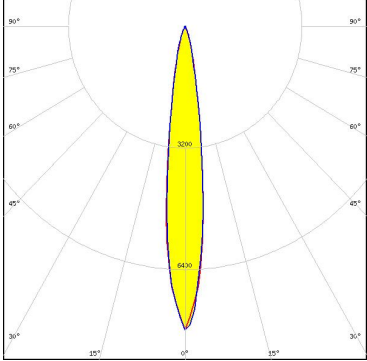
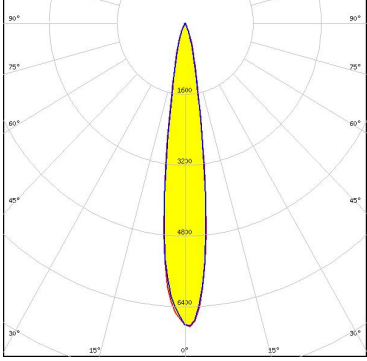
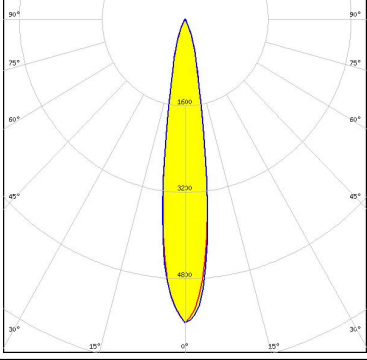

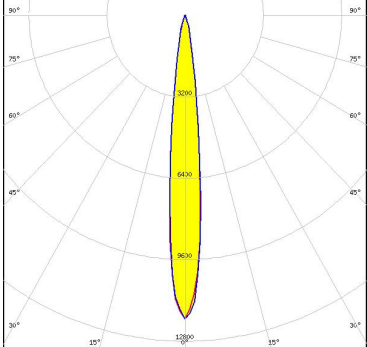


SEOUL SEMICONDUCTOR

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):

<p> <b>bridgelux</b></p> <p>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</p>	
<p><b>CITIZEN</b></p> <p>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</p>	
<p><b>CITIZEN</b></p> <p>LED CLU720/721            FWHM 17.0°            Efficiency 74 %            Peak intensity 5.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p> <b>NICHIA</b></p> <p>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</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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#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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