

## CARMEN-S-B

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

### SPECIFICATION:

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

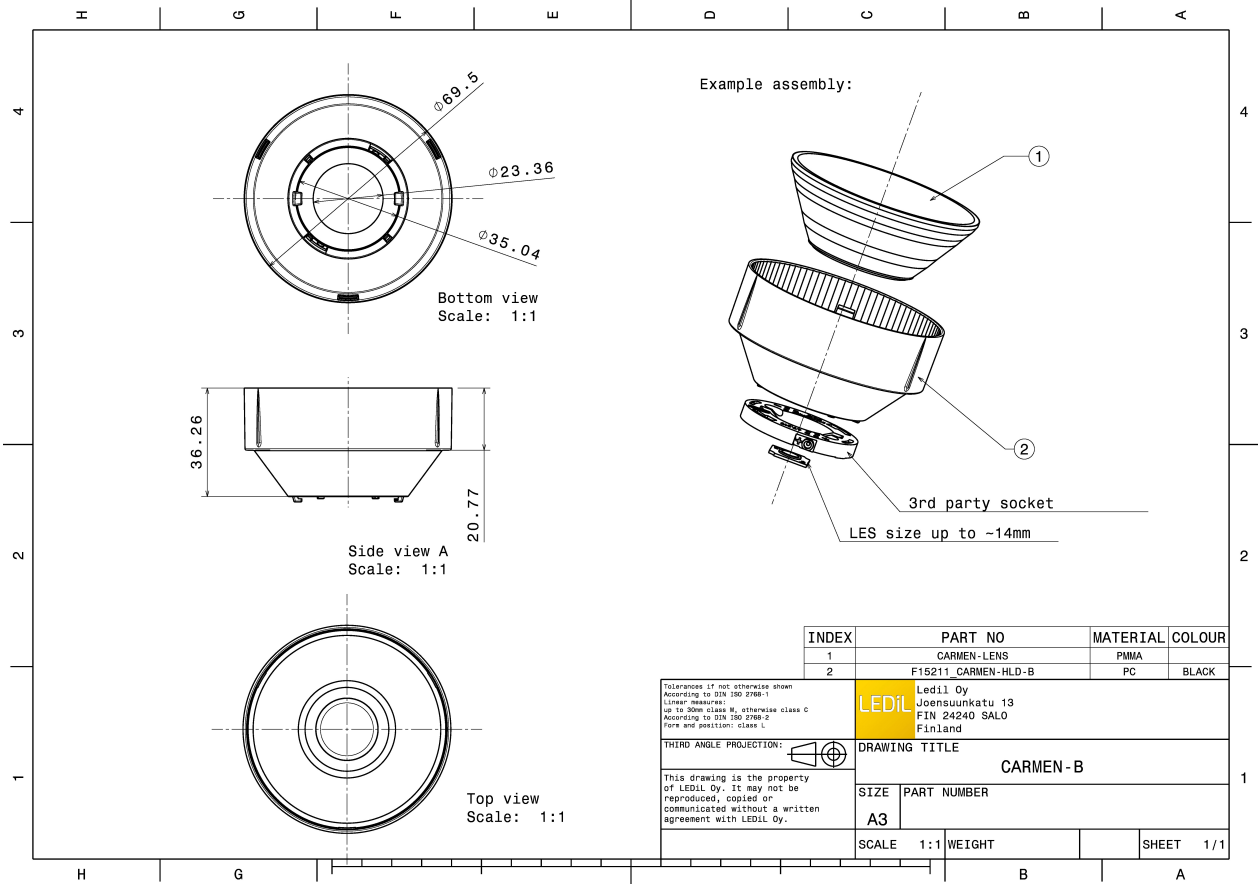


### MATERIALS:

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

### ORDERING INFORMATION:

Component	Type	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					



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

**bridgelux**

LED	V10 Gen7
FWHM / FWTM	14.0° / 34.0°
Efficiency	74 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour	White


Required components:  
BJB: 47.319.6060




**CITIZEN**

LED	CLU700/701/702/703
FWHM / FWTM	10.0° / 25.0°
Efficiency	77 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour	White

Required components:  
BJB: 47.319.6060




**CREE LED**

LED	CXA/B 13xx
FWHM / FWTM	9.0° / 24.0°
Efficiency	81 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour	White

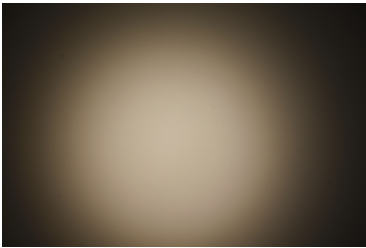
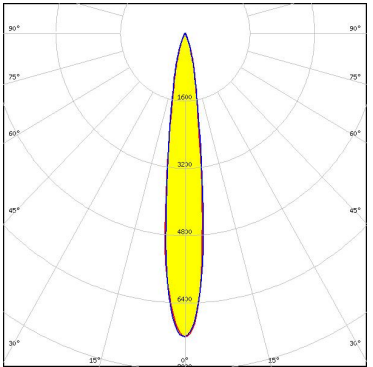
Required components:  
BJB: 47.319.6120




**CREE LED**

LED	CXA/B 15xx
FWHM / FWTM	14.0° / 33.0°
Efficiency	75 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour	White

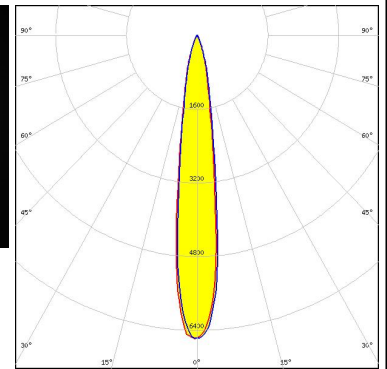
Required components:  
BJB: 47.319.6101

#### OPTICAL RESULTS (MEASURED):

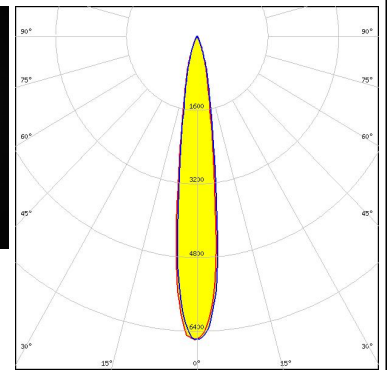
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 15.0° / 35.0°  
 Efficiency 77 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 A.A.G. STUCCHI: 8100-G2



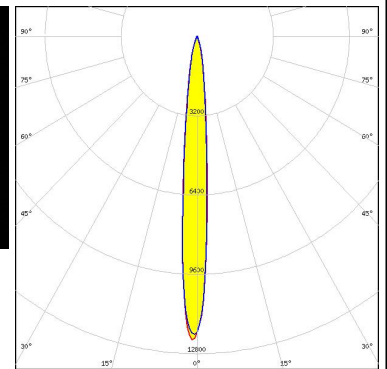
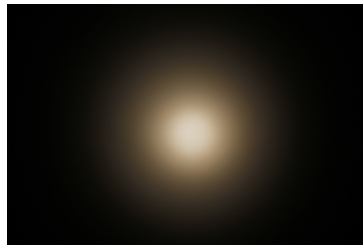
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 15.0° / 35.0°  
 Efficiency 77 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.6060


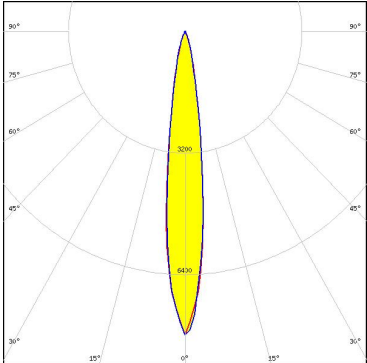
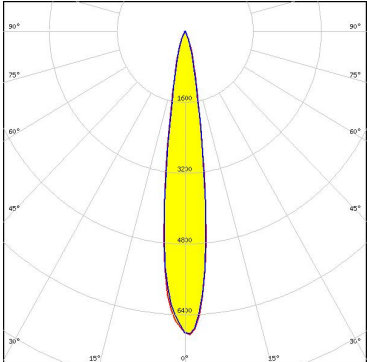
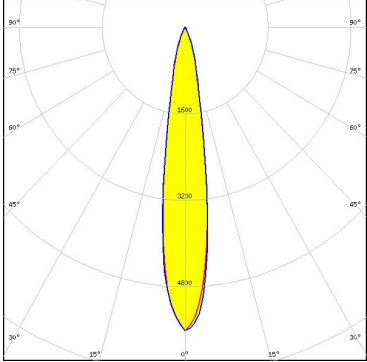

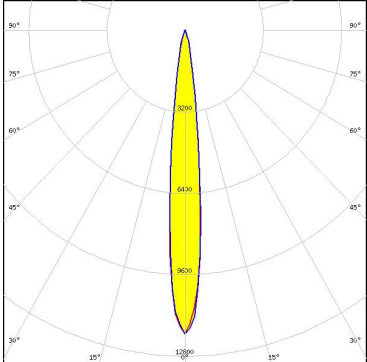


SEOUL SEMICONDUCTOR

LED MJT COB LES 6  
 FWHM / FWTM 10.0° / 25.0°  
 Efficiency 77 %  
 Peak intensity 12.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 BJB: 47.319.6060



### OPTICAL RESULTS (SIMULATED):

<p> LED V10 Gen6 FWHM / FWTM 14.0° / 30.0° 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> LED CLL02x/CLU02x (LES10) FWHM / FWTM 16.0° / 32.0° 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> LED CLU720/721/723 FWHM / FWTM 17.0° / 37.0° Efficiency 74 % Peak intensity 5.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p> LED COB S-Type (LES 7) FWHM / FWTM 12.0° / 24.0° 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.

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