

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 ⓘ

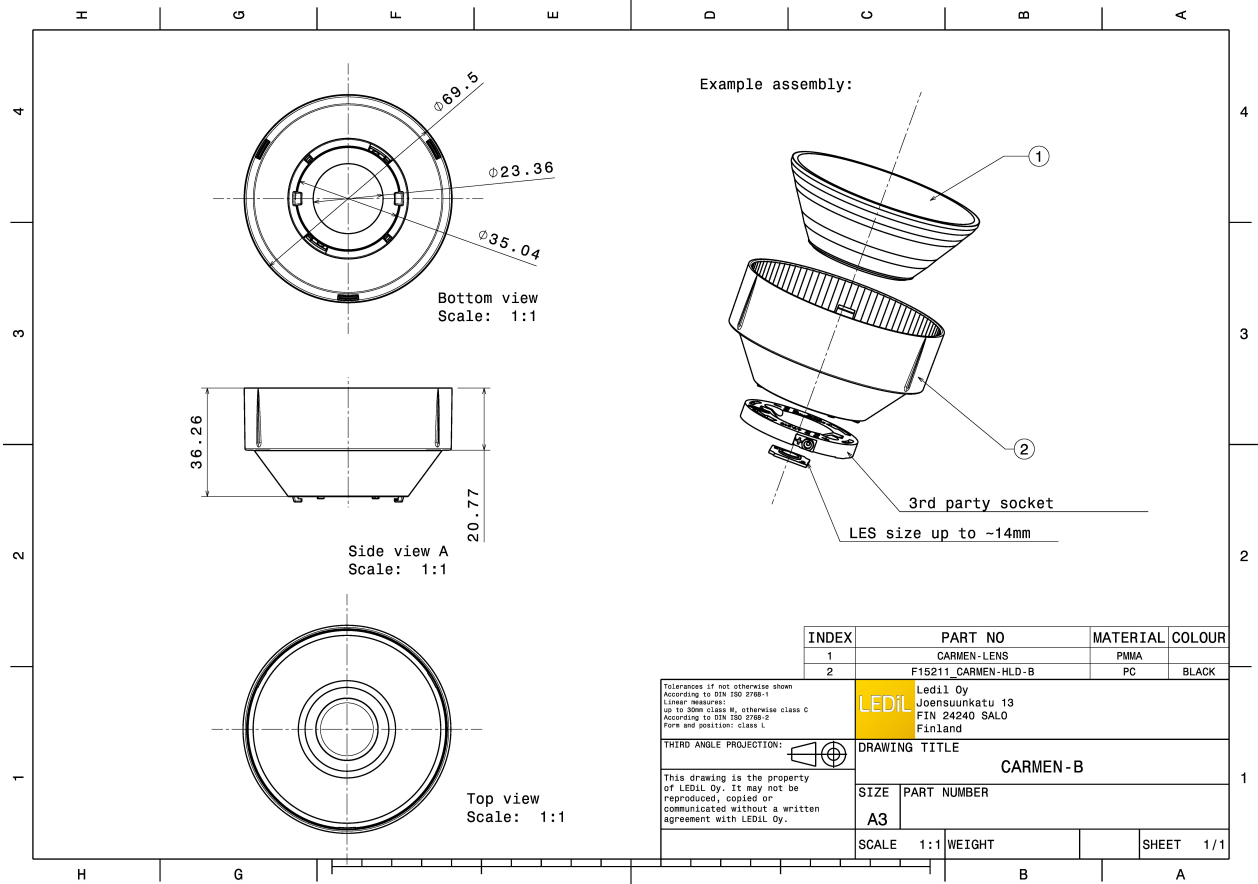


MATERIALS:

Component	Type	Material	Colour	Finish	Length
CARMEN-S	Single lens	PMMA	clear		66.4
CARMEN-HLD-B	Holder	PC	black		69.9

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					

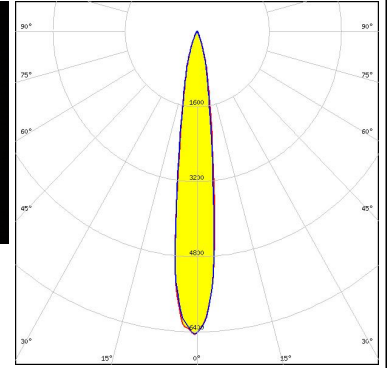


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



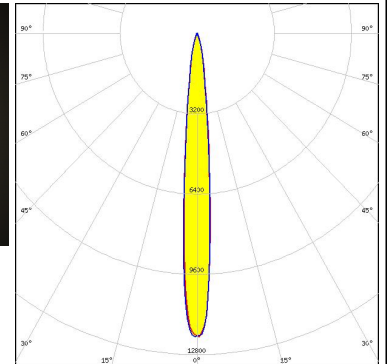
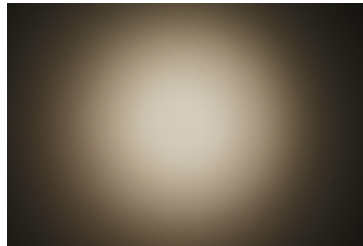
LED V10 Gen7
FWHM / FWTM 14.0° / 34.0°
Efficiency 74 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 BJB: 47.319.6060



Light distribution files

CITIZEN

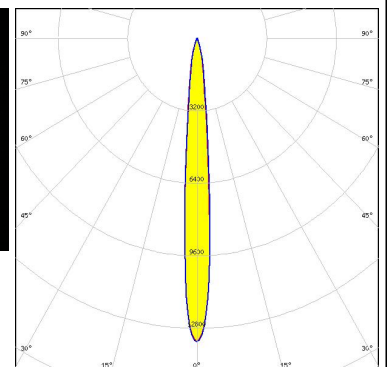
LED CLU700/701/702/703
FWHM / FWTM 10.0° / 25.0°
Efficiency 77 %
Peak intensity 12 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 BJB: 47.319.6060



Light distribution files



LED CXA/B 13xx
FWHM / FWTM 9.0° / 24.0°
Efficiency 81 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 BJB: 47.319.6120

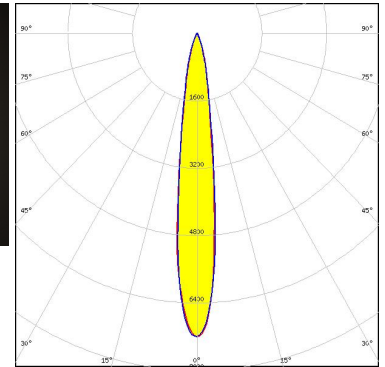
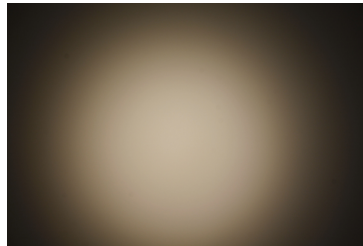


Light distribution files

OPTICAL RESULTS (MEASURED):



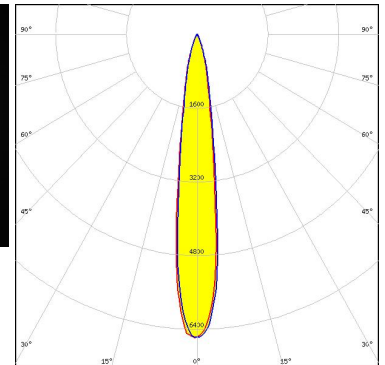
LED CXA/B 15xx
FWHM / FWTM 14.0° / 33.0°
Efficiency 75 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.319.6101



Light distribution files



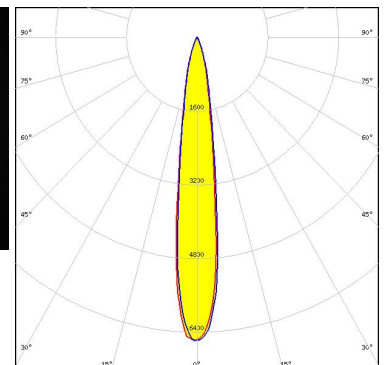
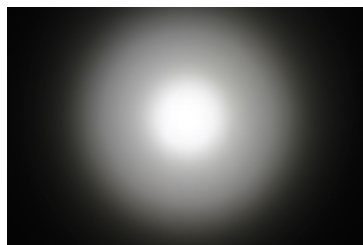
LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 15.0° / 35.0°
Efficiency 77 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8100-G2



Light distribution files




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/type White
Required components:
BJB: 47.319.6060



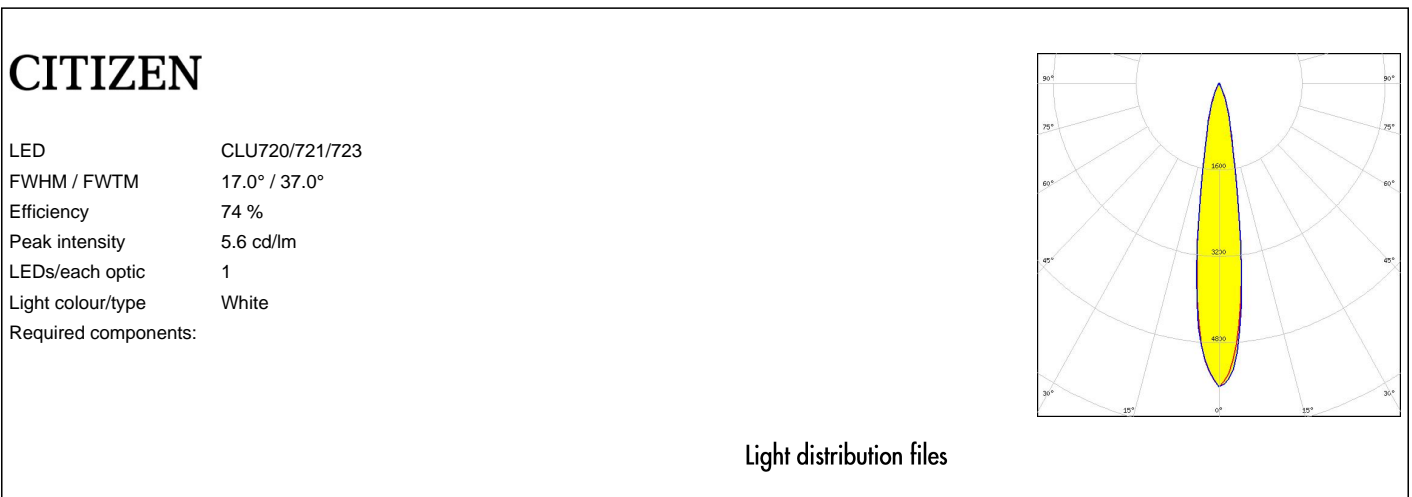
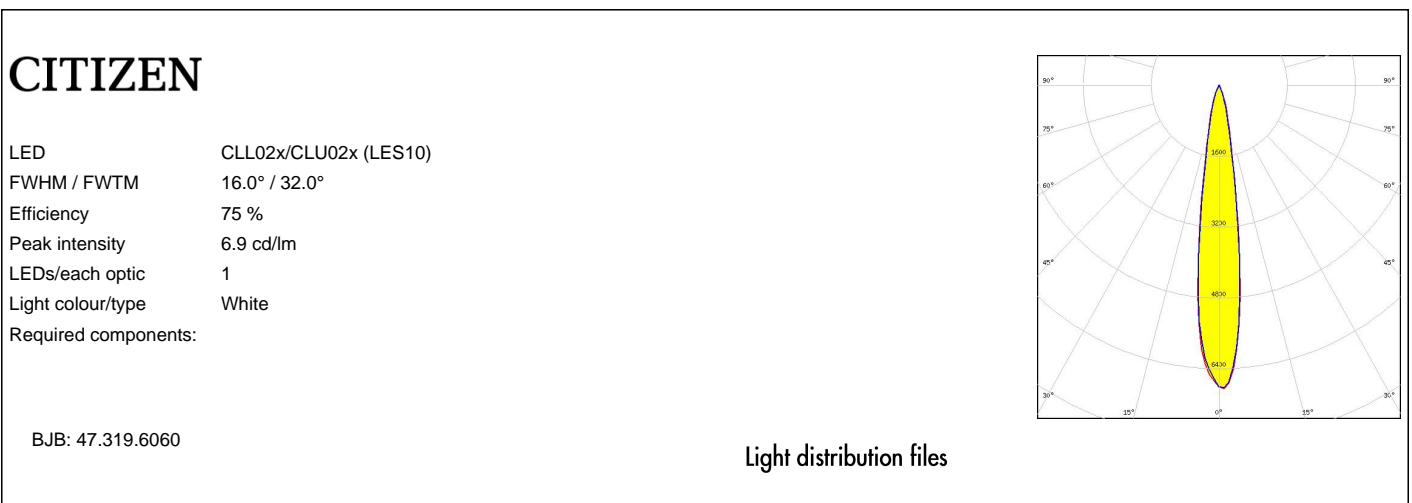
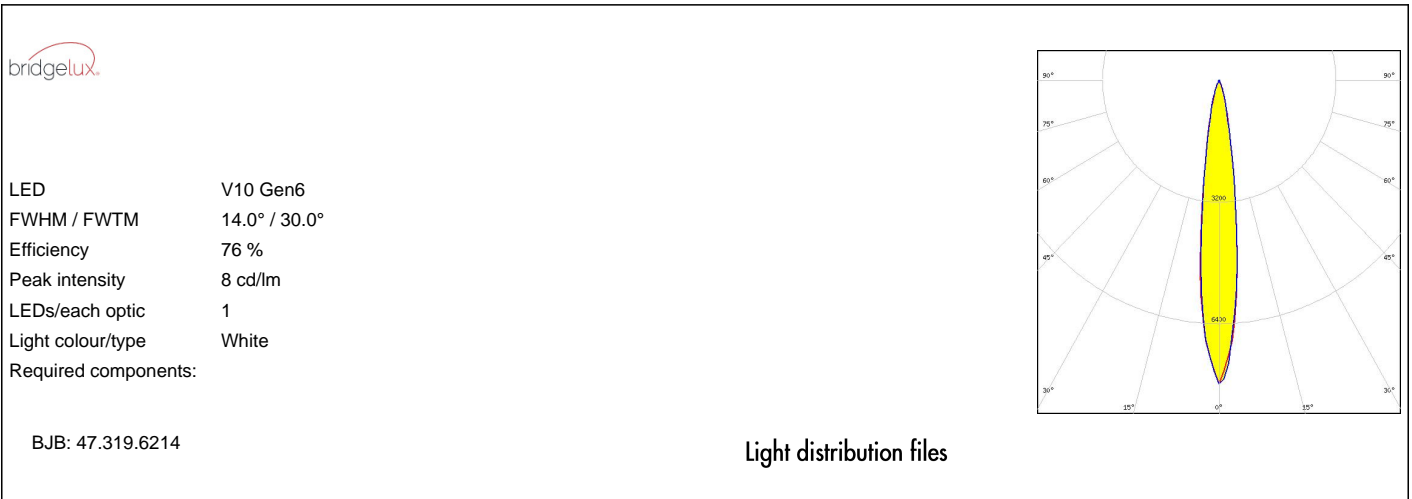
Light distribution files

OPTICAL RESULTS (MEASURED):

 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/type	White	
Required components:		
BJB: 47.319.6060		

Light distribution files

OPTICAL RESULTS (SIMULATED):



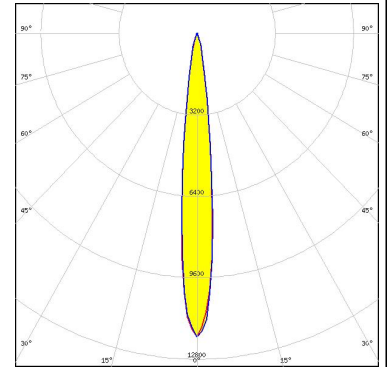
OPTICAL RESULTS (SIMULATED):



LED	COB S-Type (LES 7)
FWHM / FWTM	12.0° / 24.0°
Efficiency	80 %
Peak intensity	11.9 cd/m
LEDs/each optic	1
Light colour/type	White
Required components:	

BJB: 47.319.6180

Light distribution files



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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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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