


## CARMEN-SS-C

~12° spot beam. Assembly with holder C compatible with LEDiL HEKLA. Updated version with good colour mixing capability.

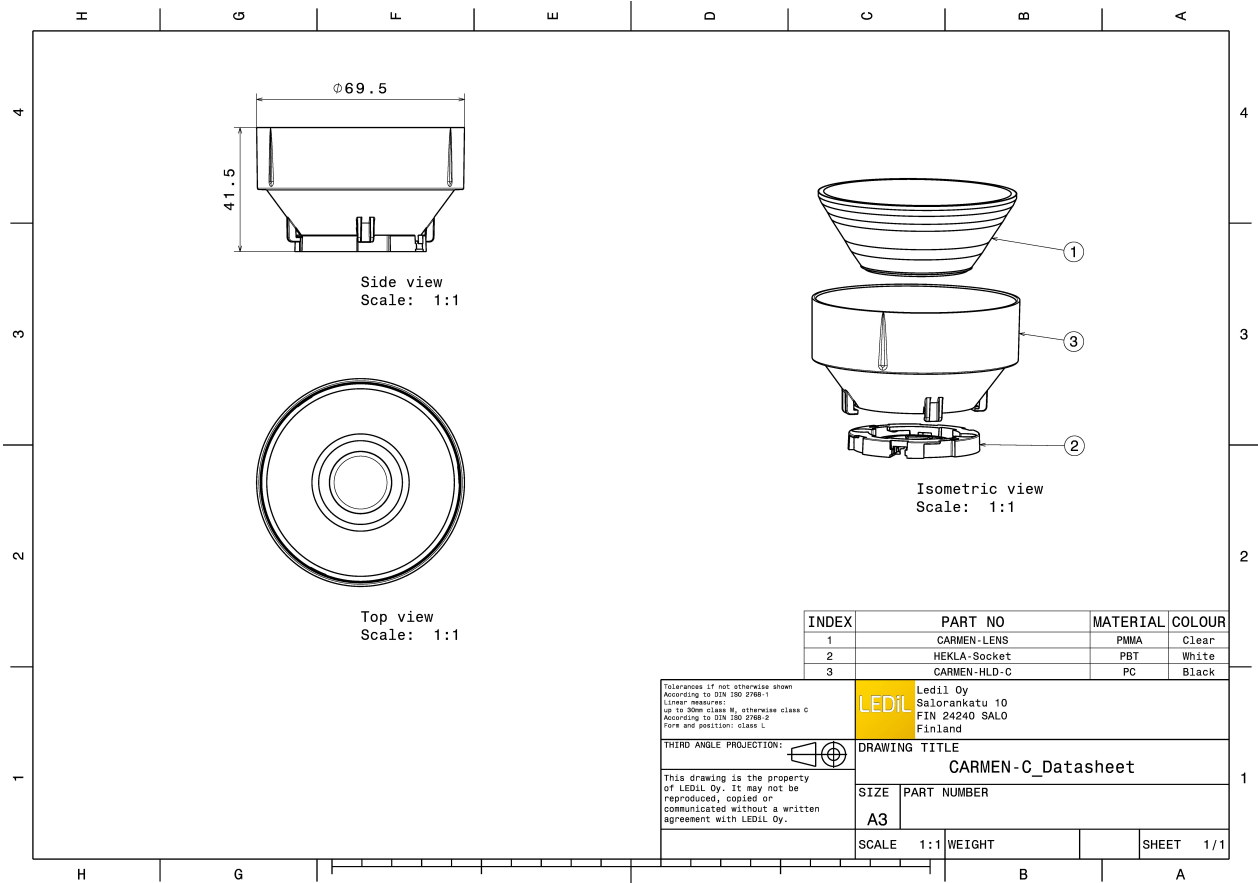
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	41.5 mm
Fastening	socket
Colour	
Box size	480 x 280 x 300 mm
Box weight	8.4 kg
Quantity in Box	150 pcs
ROHS compliant	yes 



### MATERIAL SPECIFICATIONS:

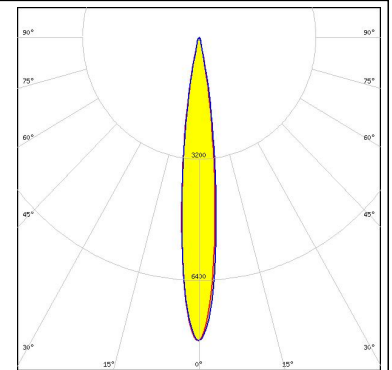
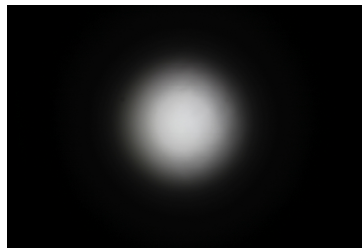
Component	Type	Material	Colour
CARMEN-SS	Single lens	PMMA	clear
CARMEN-HLD-C	Holder	PC	black



#### PHOTOMETRIC DATA (MEASURED):

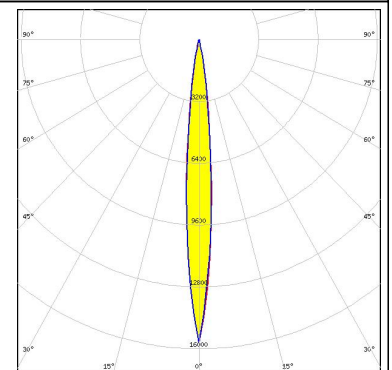
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 13.0°  
 Efficiency 61 %  
 Peak intensity 8.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



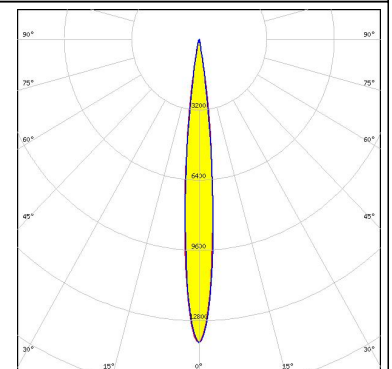
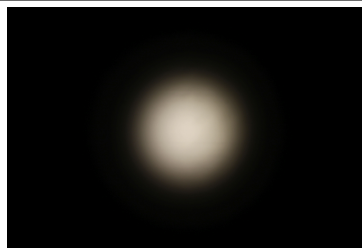
#### CITIZEN

LED CLU700/701  
 FWHM 10.0°  
 Efficiency 64 %  
 Peak intensity 13.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



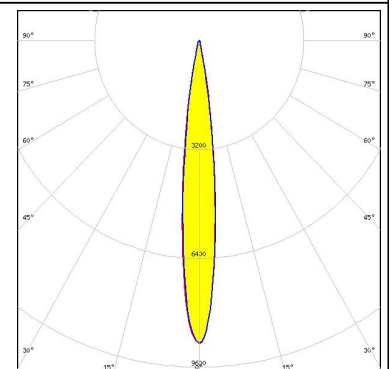
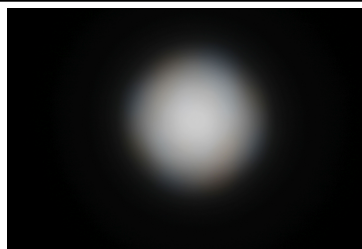
#### CREE

LED CXA/B 13xx  
 FWHM 11.0°  
 Efficiency 66 %  
 Peak intensity 13.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



#### LUMINUS

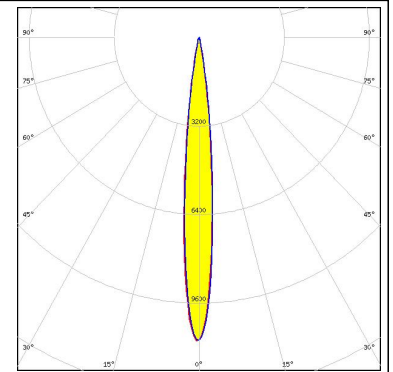
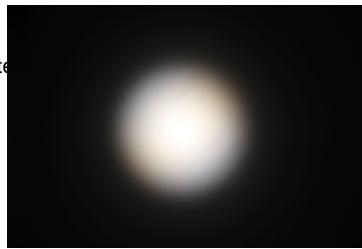
LED CDM-9 (Dim-To-Warm)  
 FWHM 13.0°  
 Efficiency 60 %  
 Peak intensity 8.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



#### PHOTOMETRIC DATA (MEASURED):



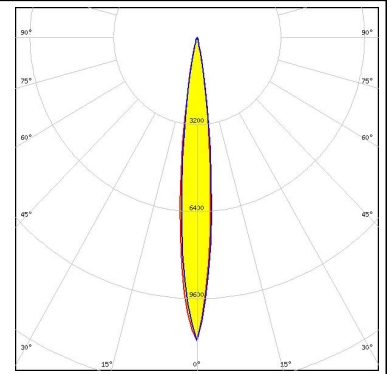
LED NJCWL024Z-V1MT: COB L-Type Tunable White  
FWHM 11.0°  
Efficiency 58 %  
Peak intensity 11.000 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 497 Typ L8



#### PHOTOMETRIC DATA (SIMULATED):

**CREE** 

LED CXA/B 15xx  
FWHM 12.0°  
Efficiency 68 %  
Peak intensity 11.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15256\_HEKLA-SOCKET-D



#### 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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Hong Kong, China

#### Distribution Partners

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