



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## CARMEN-50-RS-C

~12° spot beam. Assembly with holder C compatible with LEDiL HEKLA.

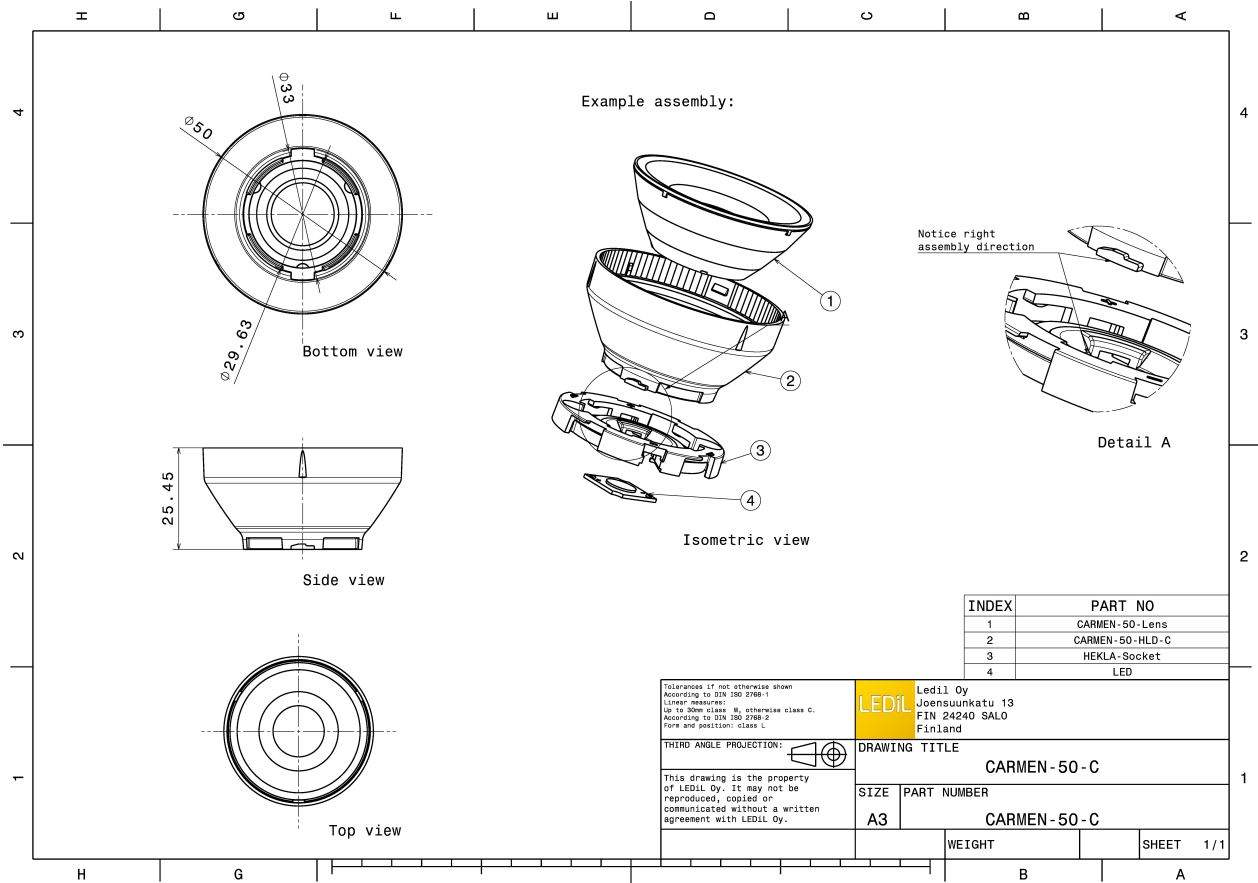
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	25.5 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	7.2 kg
Quantity in Box	308 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

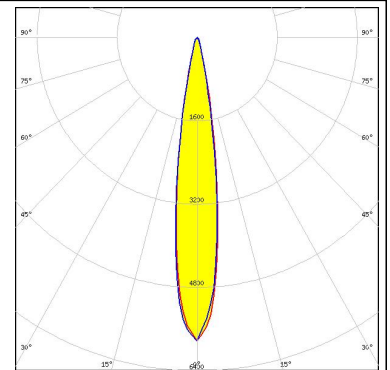
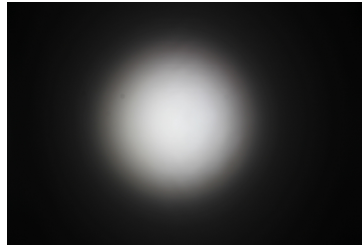
Component	Type	Material	Colour
CARMEN-50-RS	Lens	PMMA	clear
CARMEN-50-HLD-C	Holder	PC	black



#### PHOTOMETRIC DATA (MEASURED):

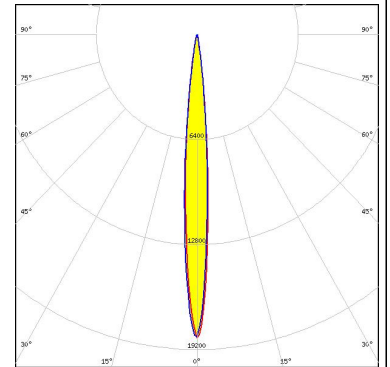
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 16.0°  
 Efficiency 63 %  
 Peak intensity 5.600 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



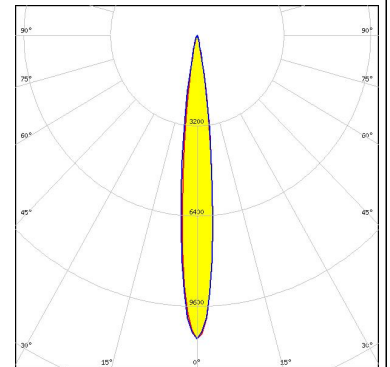
#### CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)  
 FWHM 9.0°  
 Efficiency 72 %  
 Peak intensity 18.500 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



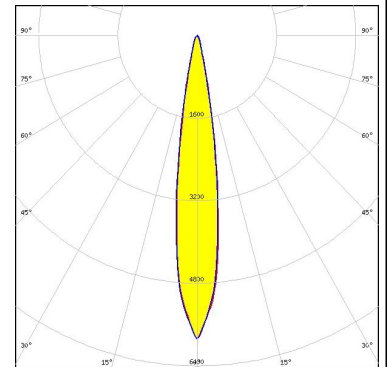
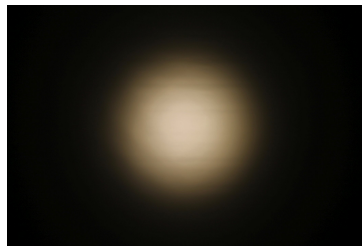
#### CITIZEN

LED CLU700/701  
 FWHM 11.0°  
 Efficiency 67 %  
 Peak intensity 11.800 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### CREE

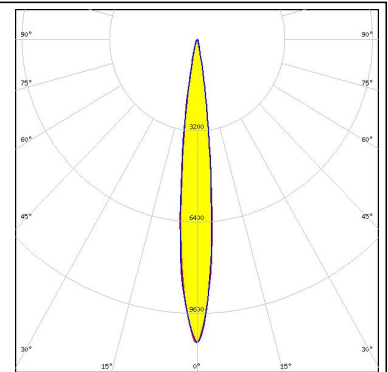
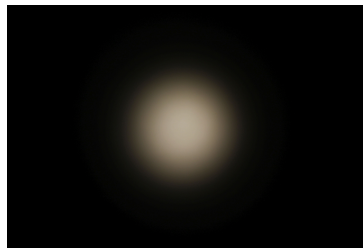
LED CMA1516  
 FWHM 16.0°  
 Efficiency 65 %  
 Peak intensity 5.900 cd/lm  
 Required components:  
 F15256\_HEKLA-SOCKET-D



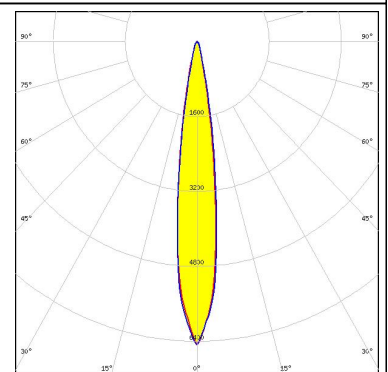
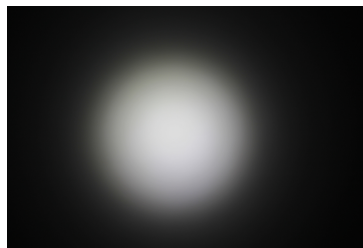
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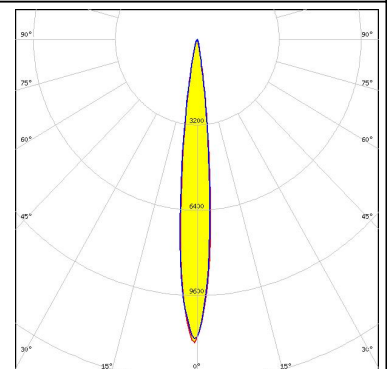
LED CXA/B 13xx  
 FWHM 12.0°  
 Efficiency 68 %  
 Peak intensity 10.600 cd/lm  
 Required components:  
 F15956\_HEKLA-SOCKET-J



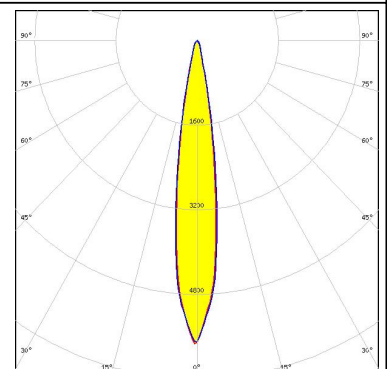
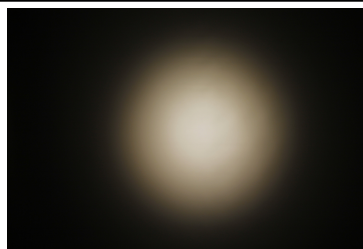
LED CXA/B 15xx  
 FWHM 15.0°  
 Efficiency 65 %  
 Peak intensity 6.500 cd/lm  
 Required components:  
 F15256\_HEKLA-SOCKET-D



LED LUXEON CoB 1202s  
 FWHM 12.0°  
 Efficiency 69 %  
 Peak intensity 11.400 cd/lm  
 Required components:  
 F15848\_HEKLA-SOCKET-G



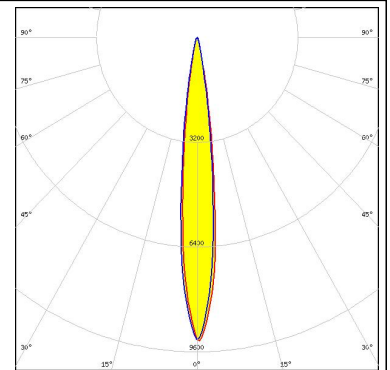
LED CXM-9  
 FWHM 15.0°  
 Efficiency 63 %  
 Peak intensity 5.800 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



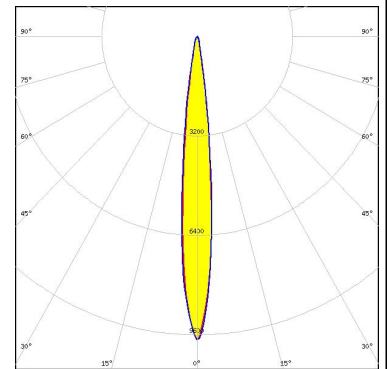
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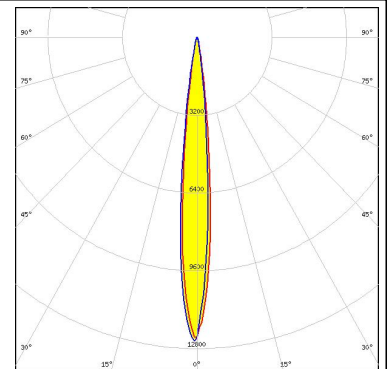
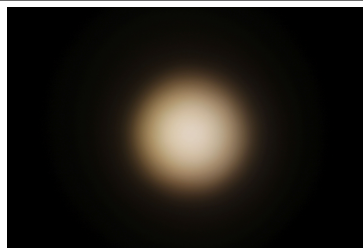
LED COB S-Type (LES 7)  
FWHM 13.0°  
Efficiency 67 %  
Peak intensity 9.300 cd/lm  
Required components:  
F15848\_HEKLA-SOCKET-G



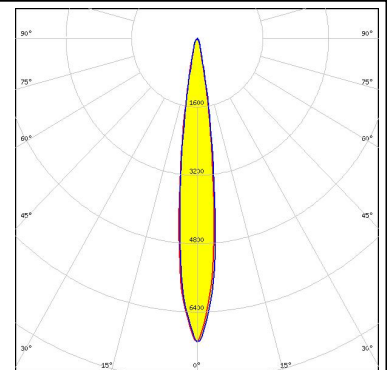
LED LC010C  
FWHM 11.0°  
Efficiency 64 %  
Peak intensity 9.800 cd/lm  
Required components:  
F15848\_HEKLA-SOCKET-G



LED LC010C G2  
FWHM 11.0°  
Efficiency 67 %  
Peak intensity 12.600 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



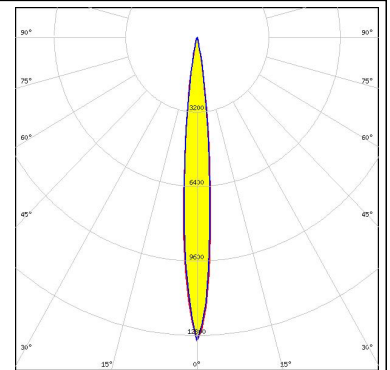
LED LC020C  
FWHM 13.0°  
Efficiency 64 %  
Peak intensity 7.100 cd/lm  
Required components:  
F15848\_HEKLA-SOCKET-G



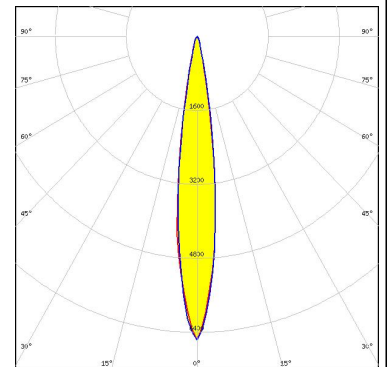
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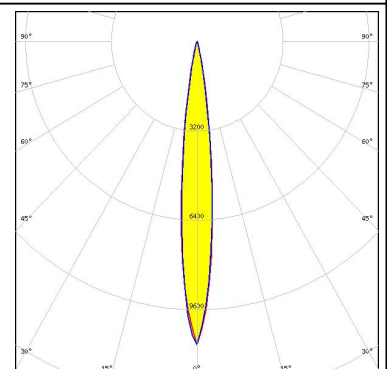
LED V6 Gen6  
 FWHM 10.0°  
 Efficiency 66 %  
 Peak intensity 13.000 cd/lm  
 Required components:  
 F15253\_HEKLA-SOCKET-A



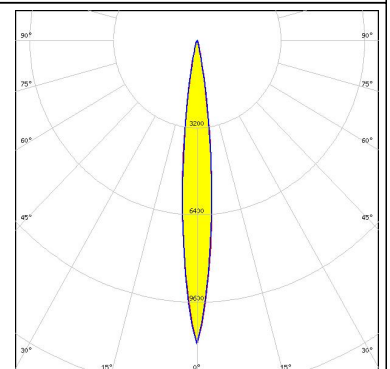
LED VERO10  
 FWHM 15.0°  
 Efficiency 61 %  
 Peak intensity 6.700 cd/lm  
 Required components:  
 F15616\_HEKLA-SOCKET-F



LED CXA/B 13xx  
 FWHM 12.0°  
 Efficiency 69 %  
 Peak intensity 11.000 cd/lm  
 Required components:  
 F15956\_HEKLA-SOCKET-J



LED LUXEON CoB 1202s  
 FWHM 12.0°  
 Efficiency 69 %  
 Peak intensity 11.000 cd/lm  
 Required components:  
 F15848\_HEKLA-SOCKET-G

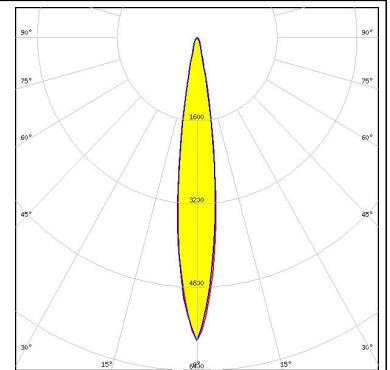


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

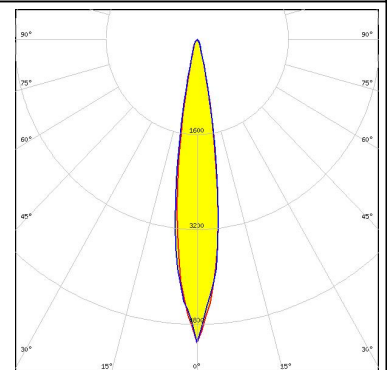
Opto Semiconductors

LED Soleriq S9  
FWHM 15.0°  
Efficiency 59 %  
Peak intensity 5.800 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



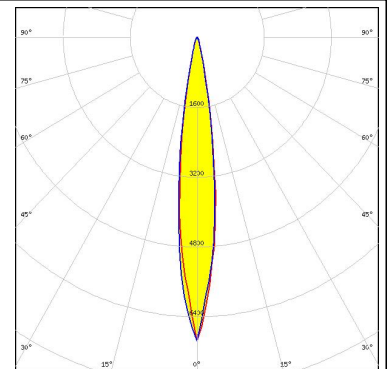
#### TRIDONIC

LED SLE G5 LES11  
FWHM 16.0°  
Efficiency 57 %  
Peak intensity 5.100 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



#### XICATO

LED XTM - 9mm LES  
FWHM 14.0°  
Efficiency 63 %  
Peak intensity 6.950 cd/lm  
Required components:  
C15743\_XTM-ADAPTER-50-B





#### 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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