



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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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



## WINNIE-WW-C

~65° wide beam with holder C compatible with  
LEDiL HEKLA

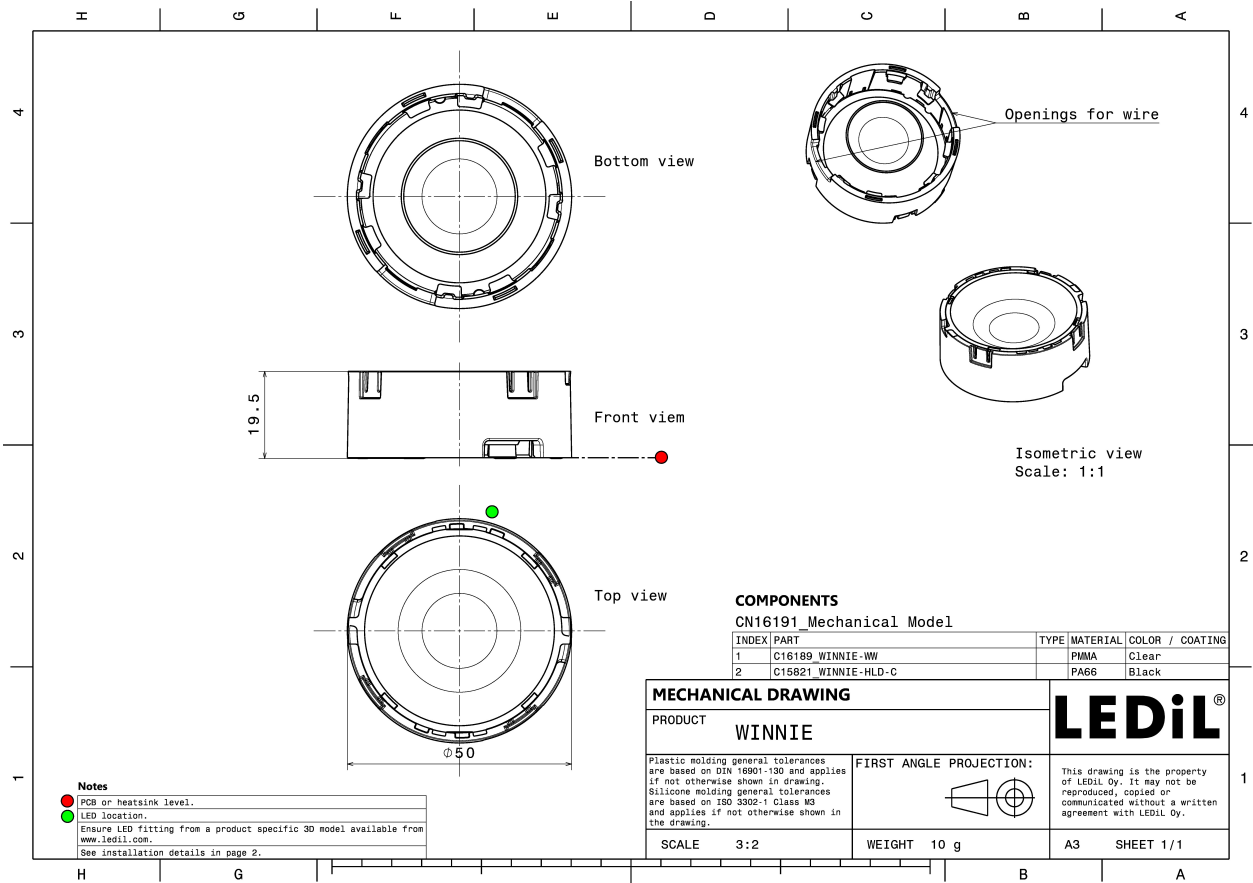
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.8 mm
Height	19.3 mm
Fastening	socket
Colour	black
Box size	
Box weight	0 kg
Quantity in Box	364 pcs
ROHS compliant	yes ⓘ


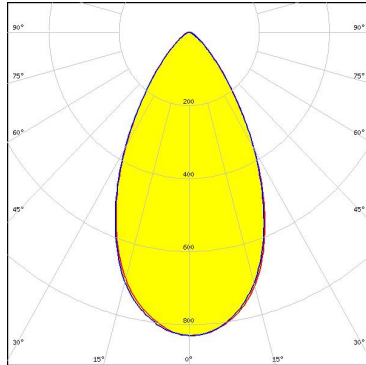
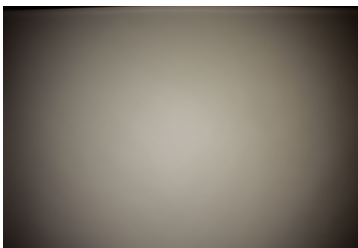
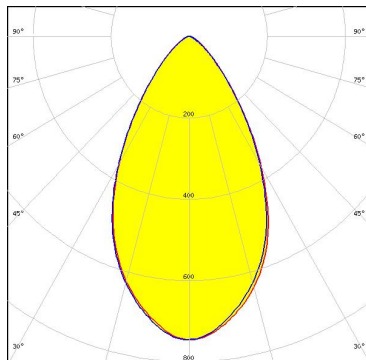
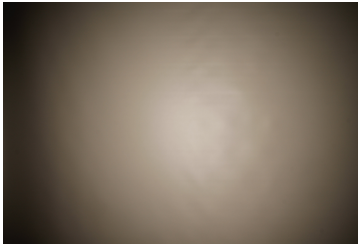
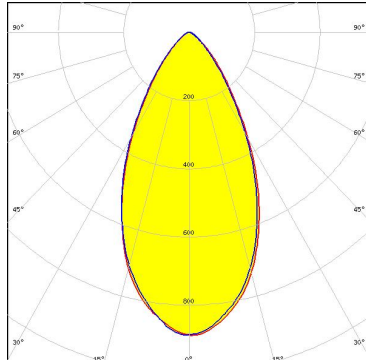
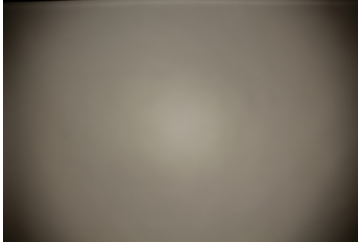
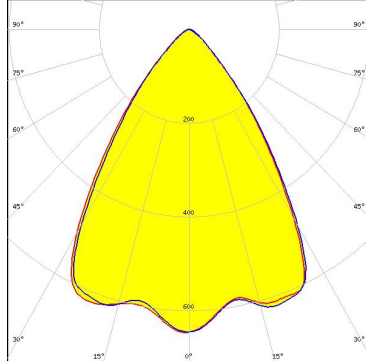


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
WINNIE-WW	Lens	PMMA	clear
WINNIE-HLD-C	Holder	PC	black



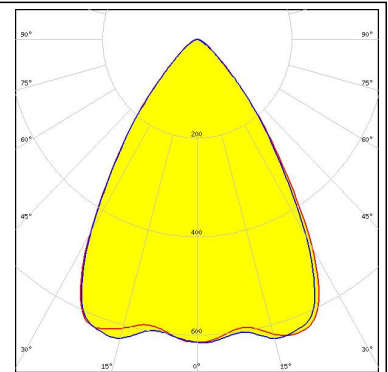
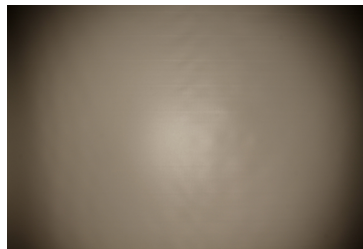
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 56.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 0.830 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 59.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 0.750 cd/lm</p> <p>Required components: LEDiL: C16142_HEKLA-SOCKET-K</p>		
<p>bridgelux.</p> <p>LED Vesta TW 13mm (25W)</p> <p>FWHM 53.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 0.890 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 492 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLU LES 4.2mm (HI-Ver.3)</p> <p>FWHM 70.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.650 cd/lm</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

### PHOTOMETRIC DATA (MEASURED):

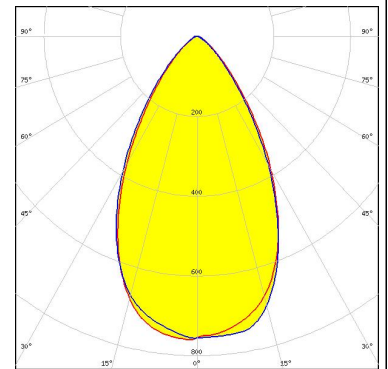
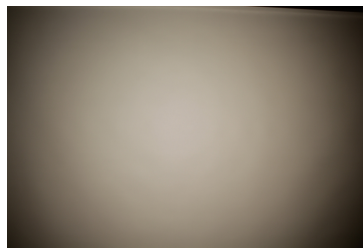
#### CITIZEN

LED CLU700/701  
FWHM 70.0°  
Efficiency 83 %  
Peak intensity 0.650 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



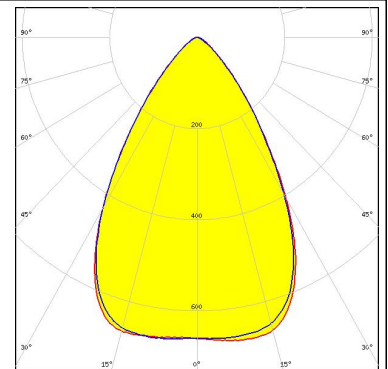
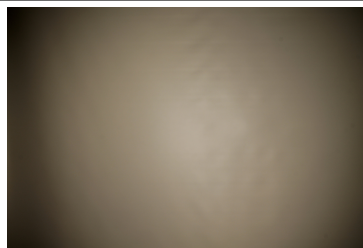
#### LUMINUS

LED CXM-14  
FWHM 60.0°  
Efficiency 80 %  
Peak intensity 0.760 cd/lm  
Required components:  
F15859\_HEKLA-SOCKET-I



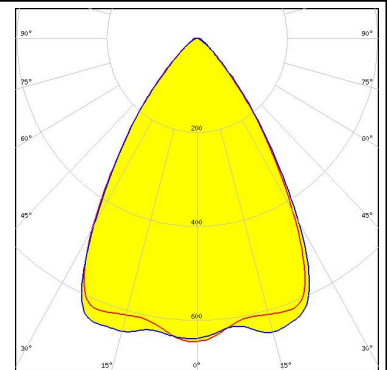
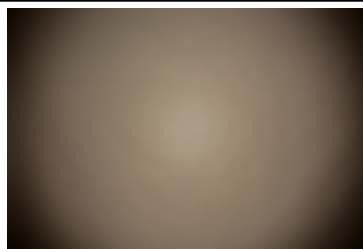
#### LUMINUS

LED CXM-9  
FWHM 66.0°  
Efficiency 82 %  
Peak intensity 0.680 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



#### SAMSUNG

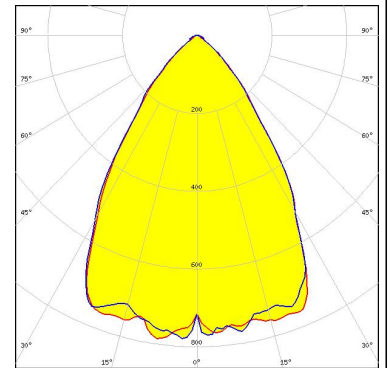
LED LC010C G2  
FWHM 68.0°  
Efficiency 82 %  
Peak intensity 0.650 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



### PHOTOMETRIC DATA (SIMULATED):

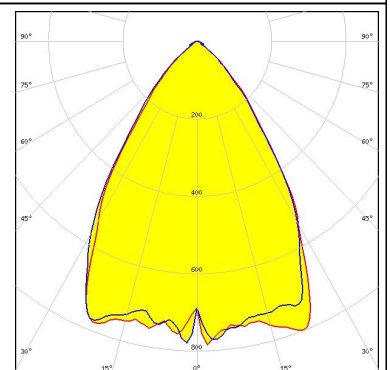
bridgelux

LED V10 Gen7  
FWHM 69.0°  
Efficiency 83 %  
Peak intensity 0.000 cd/lm  
Required components:



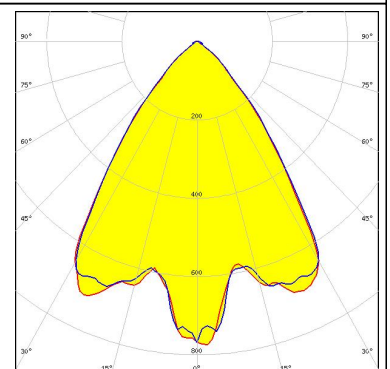
### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 68.0°  
Efficiency 82 %  
Peak intensity 0.000 cd/lm  
Required components:



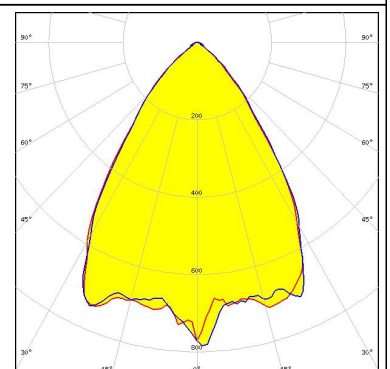
### CREE

LED CXA/B 13xx  
FWHM 72.0°  
Efficiency 83 %  
Peak intensity 0.000 cd/lm  
Required components:



### CREE

LED CXA/B 15xx  
FWHM 70.0°  
Efficiency 84 %  
Peak intensity 0.000 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



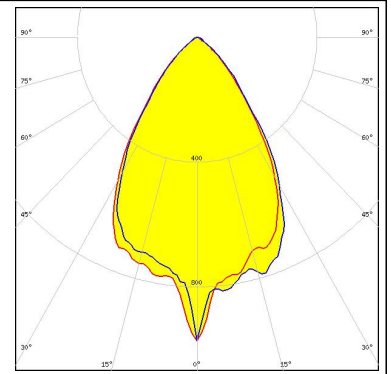
LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM 65.0°

Efficiency 83 %

Peak intensity 0.000 cd/lm

Required components:



### 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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