

WINNIE-O-C

~60° + 20° oval beam with holder C compatible
with LEDiL HEKLA

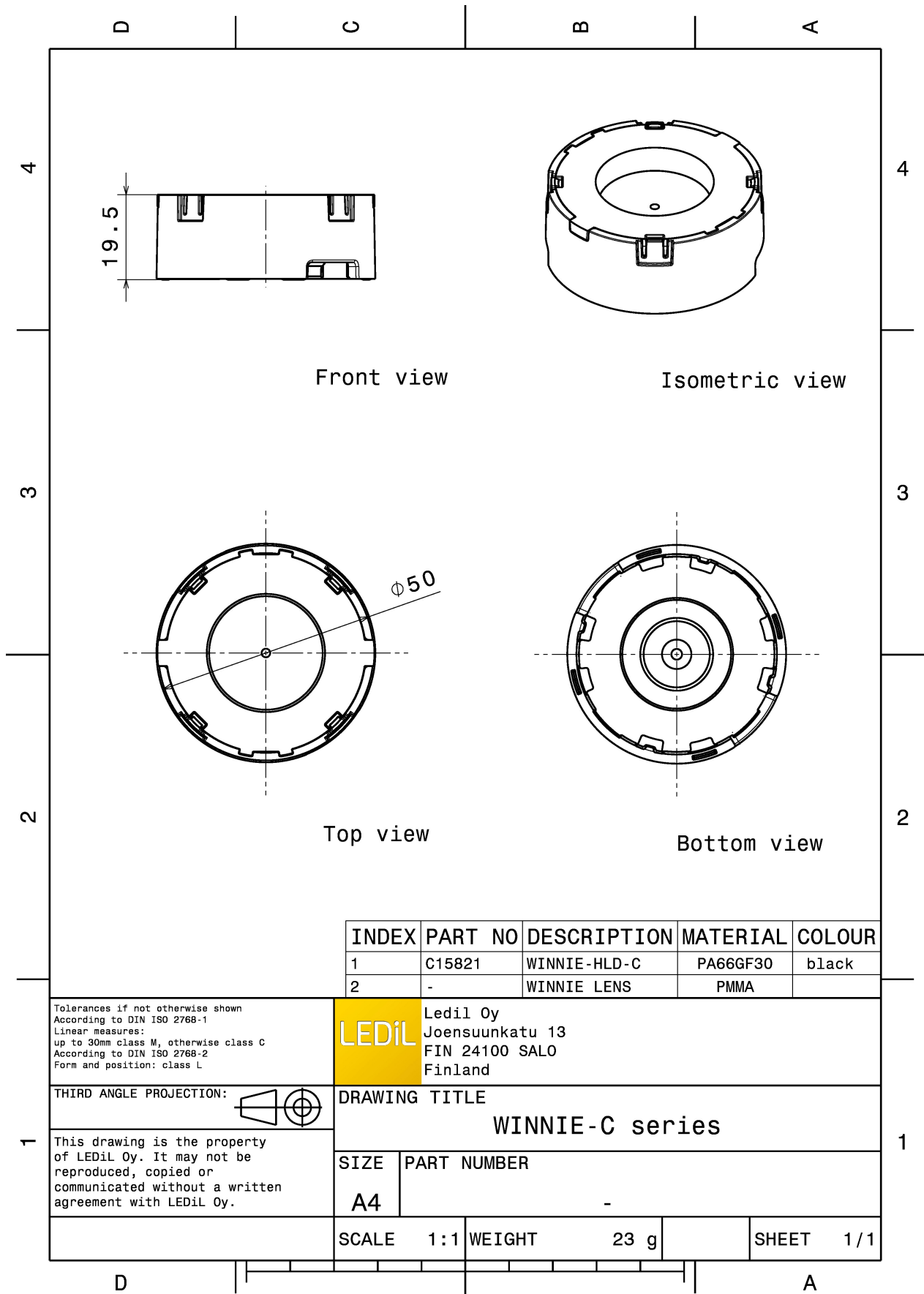
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	19.5 mm
Fastening	socket
Colour	black
Box size	
Box weight	0 kg
Quantity in Box	364 pcs
ROHS compliant	yes ⓘ

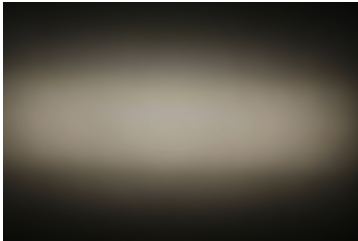
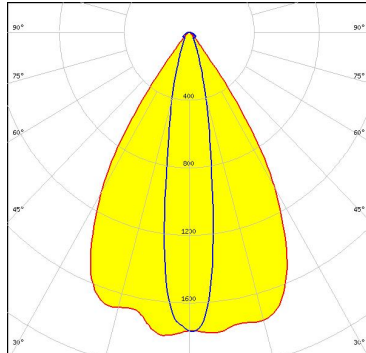
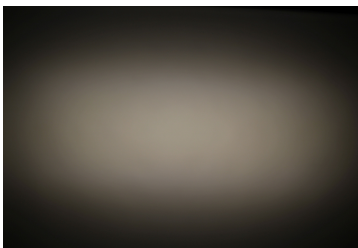
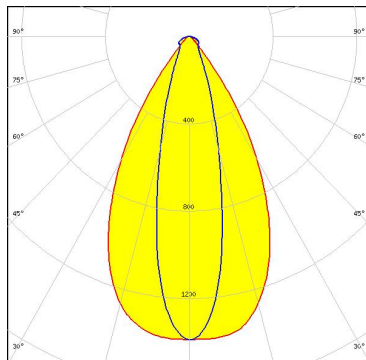

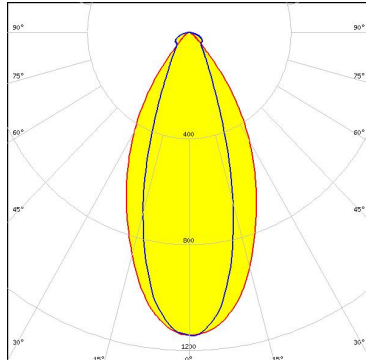
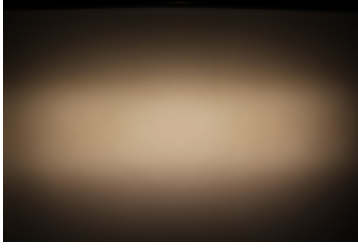
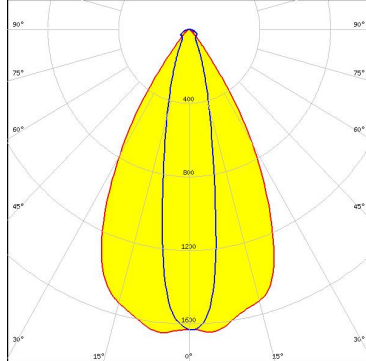


MATERIAL SPECIFICATIONS:

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



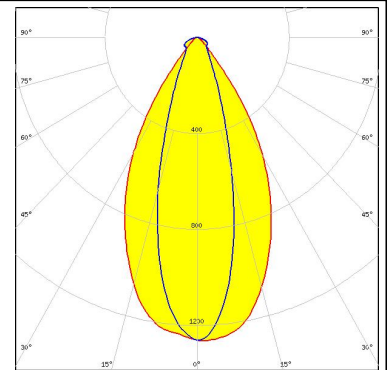
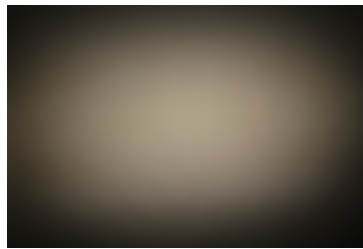
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 64.0 + 18.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.800 cd/lm</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 58.0 + 25.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 52.0 + 34.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: LEDiL: C16142_HEKLA-SOCKET-K</p>		
<p>CITIZEN</p> <p>LED CLC020 Series (Dim-To-Warm)</p> <p>FWHM 58.0 + 20.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.700 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		

PHOTOMETRIC DATA (MEASURED):

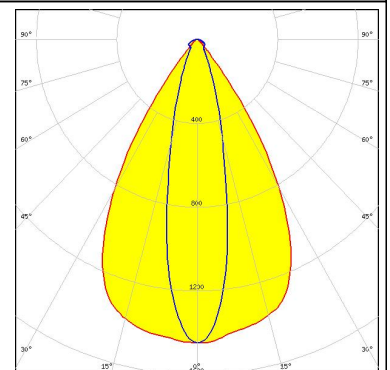
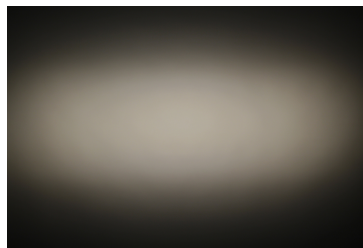
CITIZEN

LED CLC030 Series (Dim-To-Warm)
 FWHM 56.0 + 30.0°
 Efficiency 79 %
 Peak intensity 1.300 cd/lm
 Required components:
 C16142_HEKLA-SOCKET-K



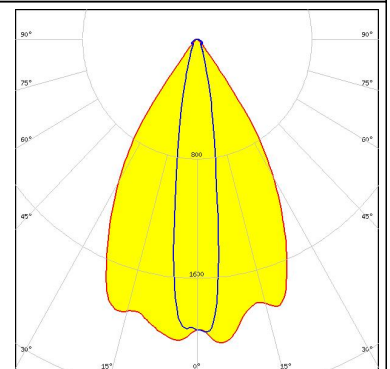
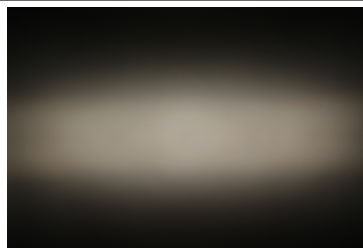
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 63.0 + 23.0°
 Efficiency 80 %
 Peak intensity 1.500 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C
 LEDiL: F15255_HEKLA-SOCKET-C



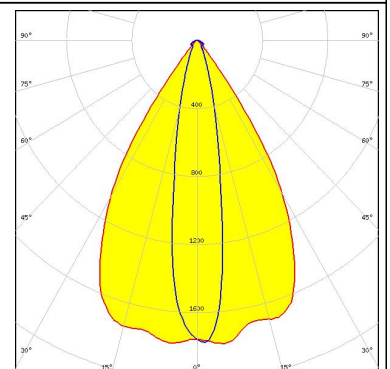
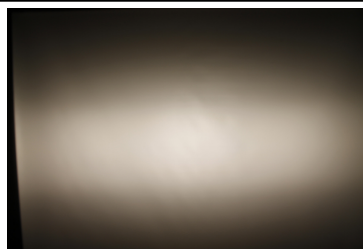
CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)
 FWHM 62.0 + 17.0°
 Efficiency 83 %
 Peak intensity 2.000 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C


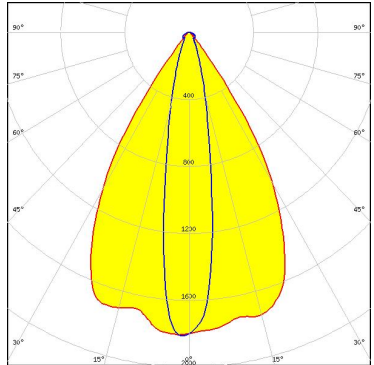
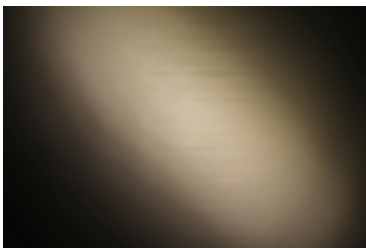
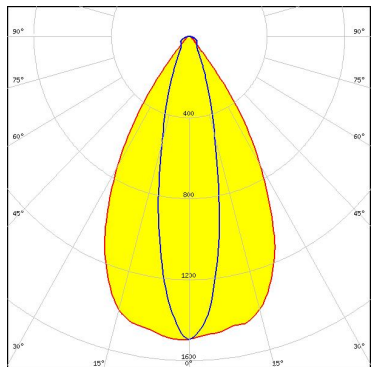

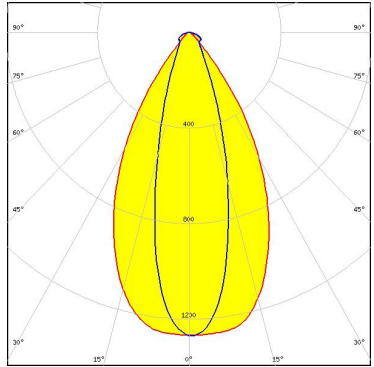
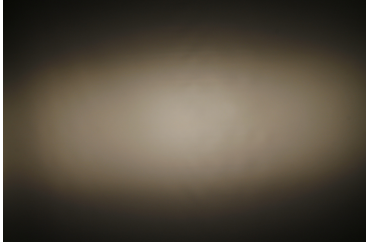
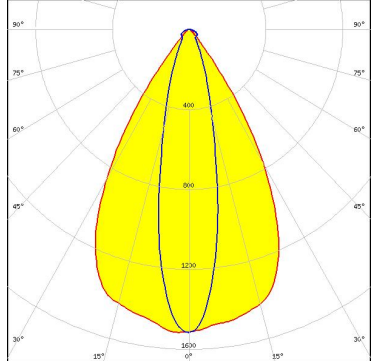


CREE

LED CXA/B 13xx
 FWHM 64.0 + 19.0°
 Efficiency 83 %
 Peak intensity 1.800 cd/lm
 Required components:
 F15956_HEKLA-SOCKET-J



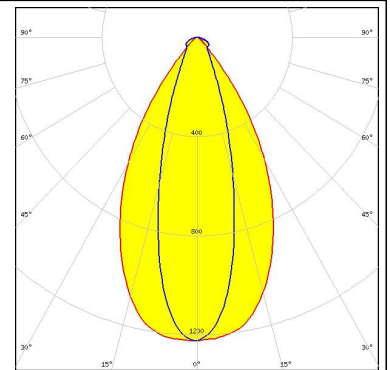
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202s</p> <p>FWHM 64.0 + 18.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.800 cd/lm</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1205HD</p> <p>FWHM 59.0 + 24.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p>LUMINUS</p> <p>LED CXM-14</p> <p>FWHM 58.0 + 29.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		
<p>LUMINUS</p> <p>LED CXM-9</p> <p>FWHM 62.0 + 23.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

PHOTOMETRIC DATA (MEASURED):

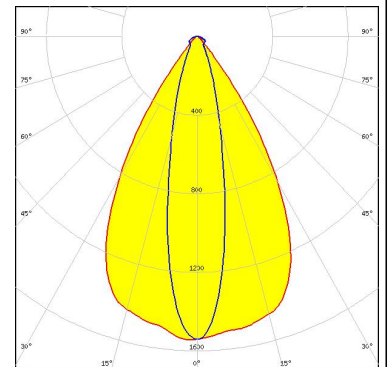
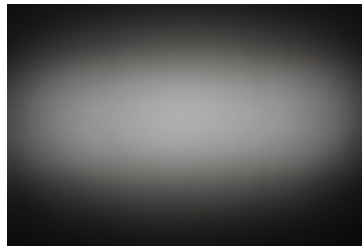
SAMSUNG

LED COB D Series LES 14.5 mm
FWHM 58.0 + 29.0°
Efficiency 80 %
Peak intensity 1.200 cd/lm
Required components:
F15859_HEKLA-SOCKET-I



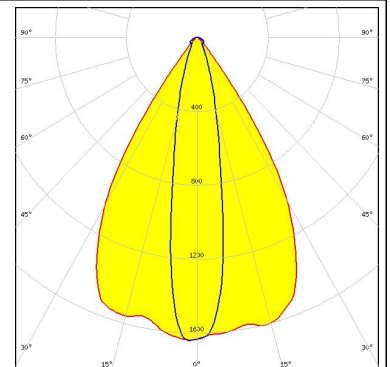
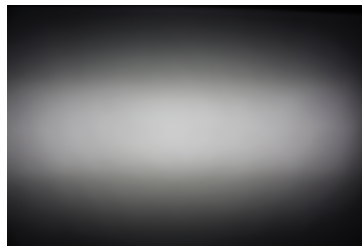
SAMSUNG

LED COB D Series LES 9.8 mm
FWHM 62.0 + 22.0°
Efficiency 82 %
Peak intensity 1.500 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



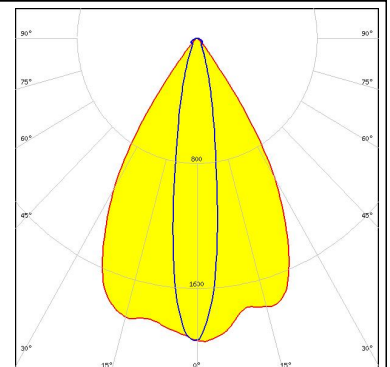
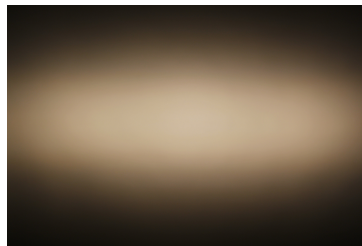
SAMSUNG

LED LC010C
FWHM 65.0 + 20.0°
Efficiency 81 %
Peak intensity 1.600 cd/lm
Required components:
F15848_HEKLA-SOCKET-G



SAMSUNG

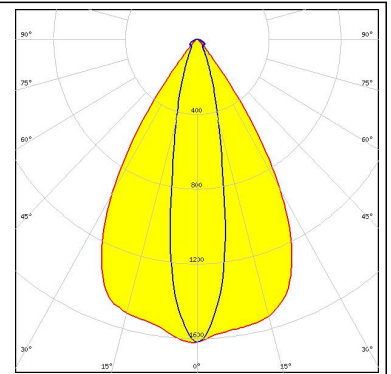
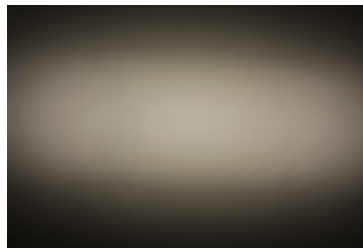
LED LC010C G2
FWHM 62.0 + 17.0°
Efficiency 82 %
Peak intensity 1.900 cd/lm
Required components:
F15255_HEKLA-SOCKET-C




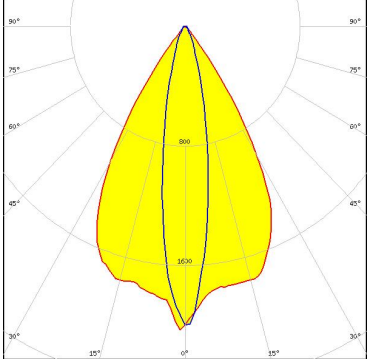
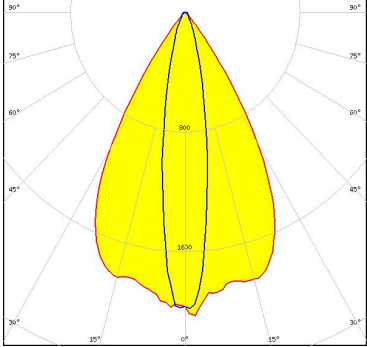

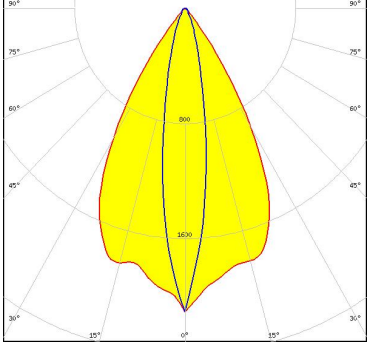

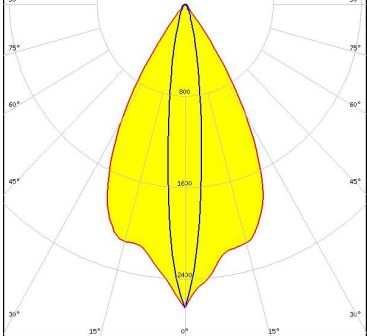
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LC020C
FWHM 63.0 + 21.0°
Efficiency 82 %
Peak intensity 1.600 cd/lm
Required components:
F15848_HEKLA-SOCKET-G



PHOTOMETRIC DATA (SIMULATED):

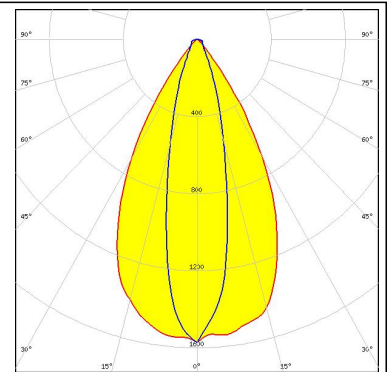
<p> bridgelux</p> <p>LED V9 HD FWHM 60.0 + 18.0° Efficiency 84 % Peak intensity 2.030 cd/lm Required components: F15859_HEKLA-SOCKET-I</p>	
<p>CITIZEN</p> <p>LED CLU710/711 FWHM 61.0 + 18.0° Efficiency 83 % Peak intensity 2.080 cd/lm Required components: F15859_HEKLA-SOCKET-I</p>	
<p> CREE</p> <p>LED CXA/B 15xx FWHM 59.0 + 17.0° Efficiency 84 % Peak intensity 2.100 cd/lm Required components: F15256_HEKLA-SOCKET-D</p>	
<p> CREE</p> <p>LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM 56.0 + 13.0° Efficiency 86 % Peak intensity 2.700 cd/lm Required components: F15254_HEKLA-SOCKET-B</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

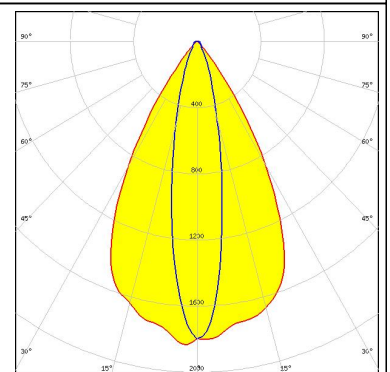
LED Soleriq S13 Gen2
FWHM 57.0 + 24.0°
Efficiency 83 %
Peak intensity 1.600 cd/lm
Required components:
F15859_HEKLA-SOCKET-I



OSRAM

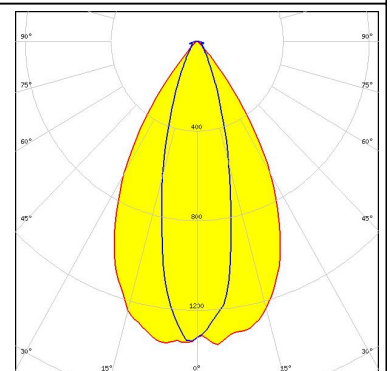
Opto Semiconductors

LED Soleriq S9
FWHM 59.0 + 20.0°
Efficiency 85 %
Peak intensity 1.800 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



TRIDONIC

LED SLE G6 LES15
FWHM 60.0 + 27.0°
Efficiency 80 %
Peak intensity 1.400 cd/lm
Required components:
F15859_HEKLA-SOCKET-I



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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

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