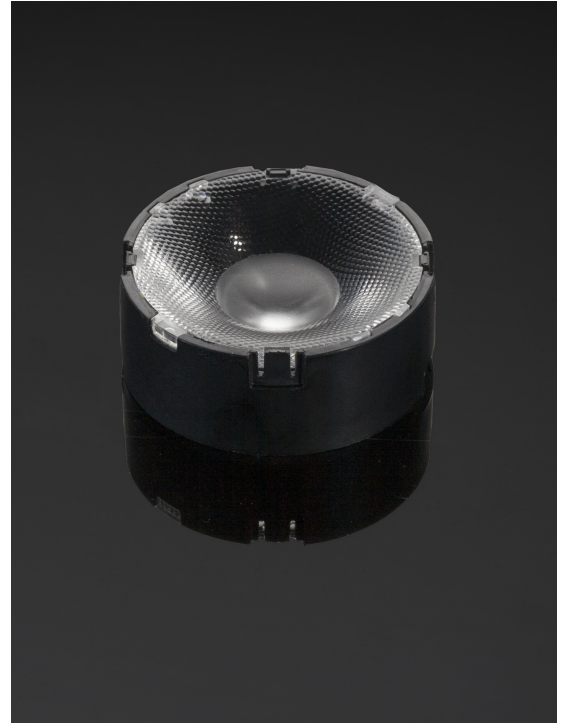


WINNIE-M-C

~35° spot beam with holder C compatible with LEDiL HEKLA

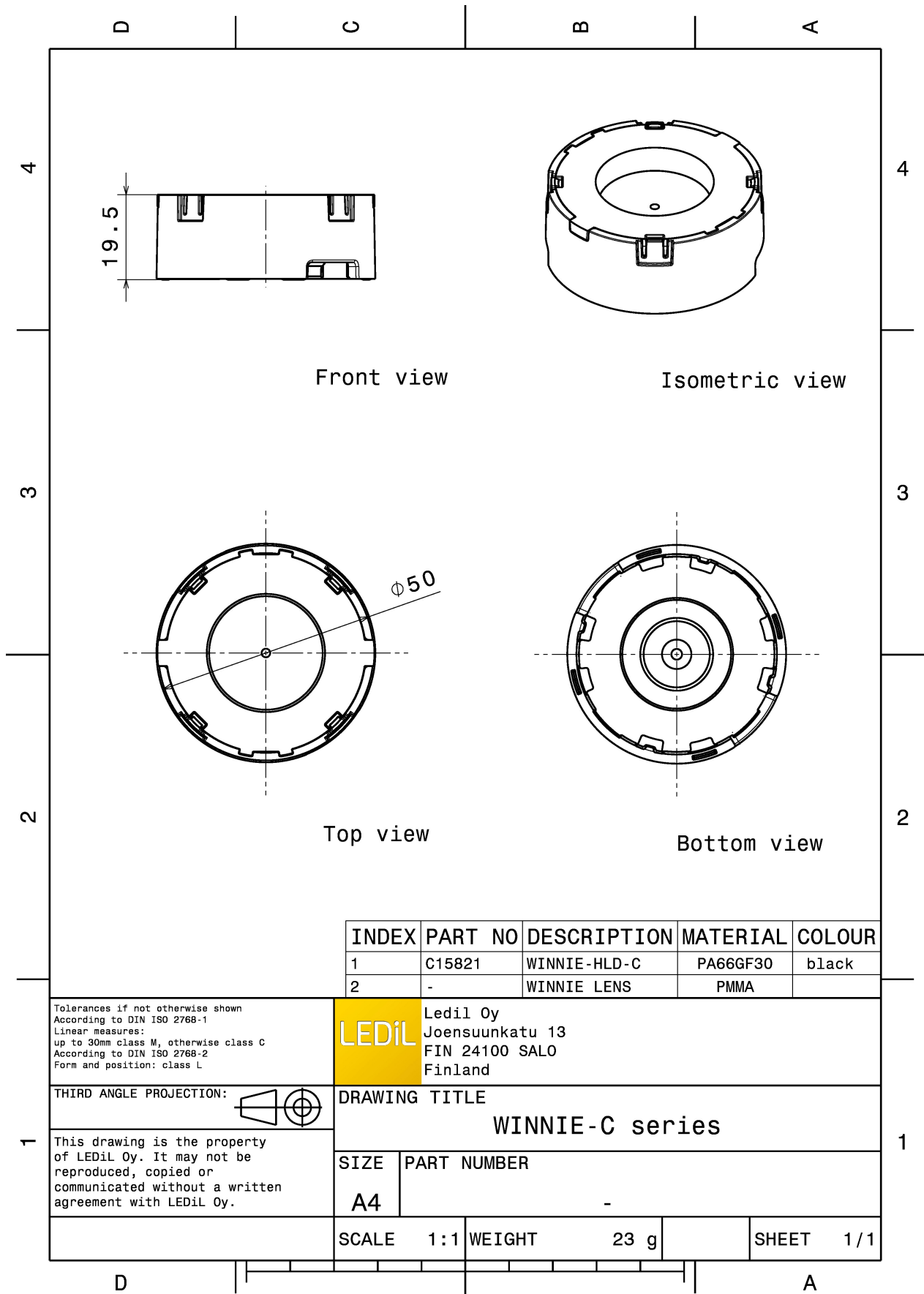
TECHNICAL SPECIFICATIONS:

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


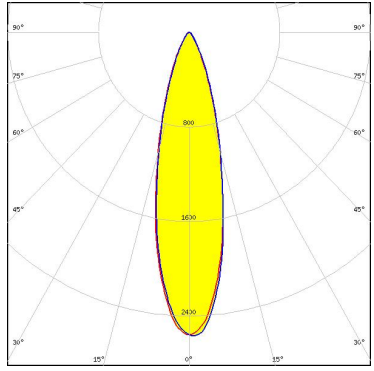
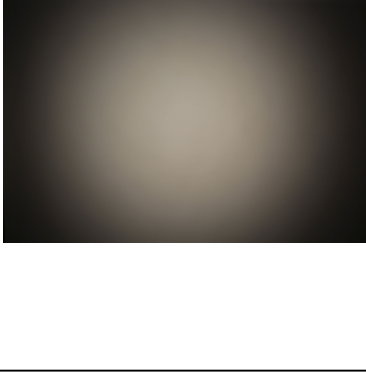
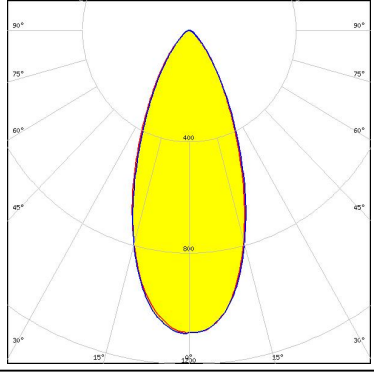
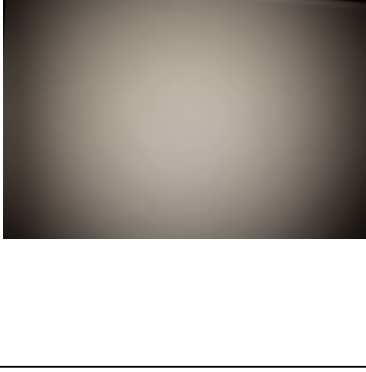
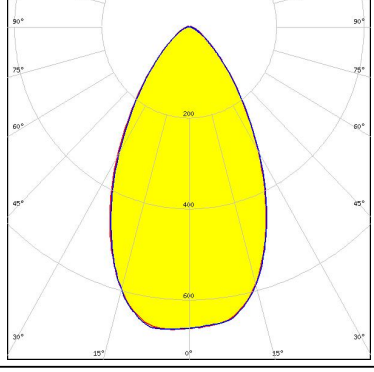
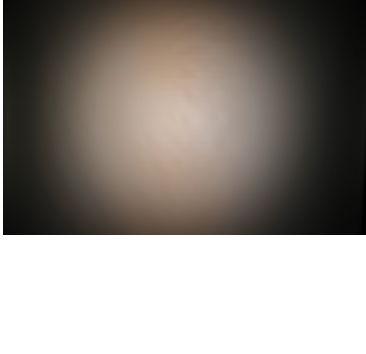
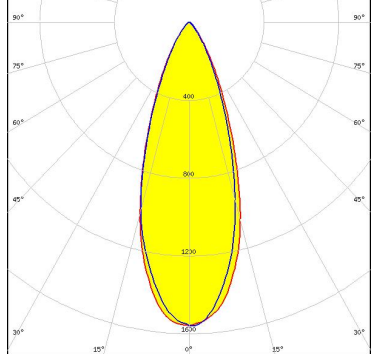


MATERIAL SPECIFICATIONS:


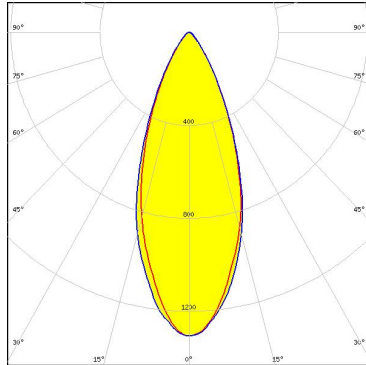
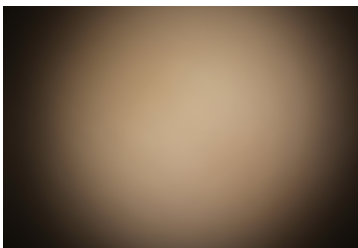
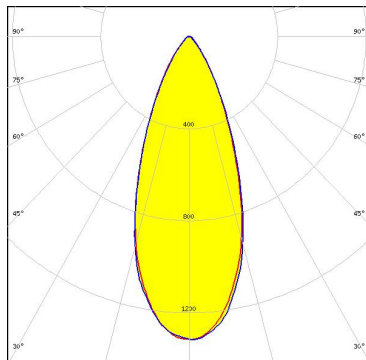

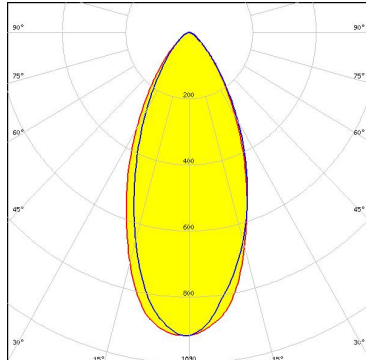
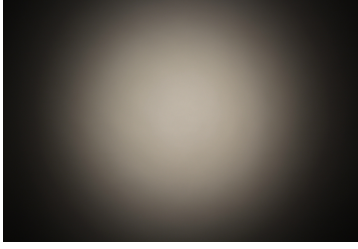
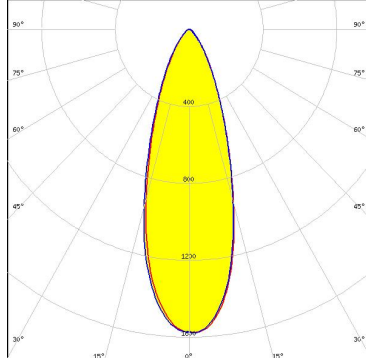
Component	Type	Material	Colour
WINNIE-M	Lens	PMMA	clear
WINNIE-HLD-C	Holder	PC	black



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 26.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.600 cd/lm</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 43.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.100 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 73 %</p> <p>Peak intensity 0.670 cd/lm</p> <p>Required components: LEDiL: C16142_HEKLA-SOCKET-K</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 9mm (6W/12W)</p> <p>FWHM 37.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.600 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		

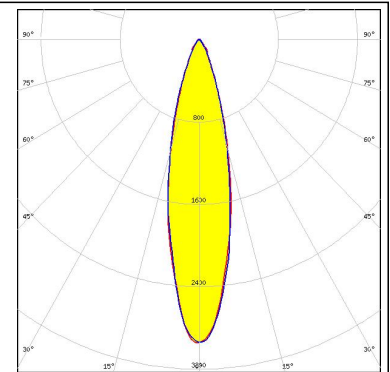
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Vesta TW 9mm (12W)</p> <p>FWHM 40.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>CITIZEN</p> <p>LED CLC020 Series (Dim-To-Warm)</p> <p>FWHM 41.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>CITIZEN</p> <p>LED CLC030 Series (Dim-To-Warm)</p> <p>FWHM 47.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 0.920 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10)</p> <p>FWHM 34.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.600 cd/lm</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

PHOTOMETRIC DATA (MEASURED):

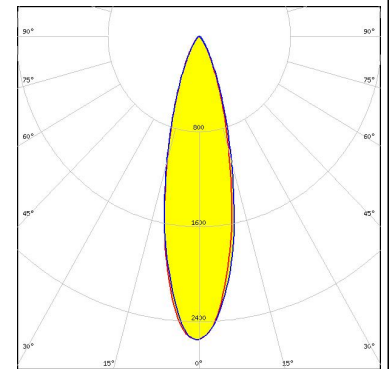
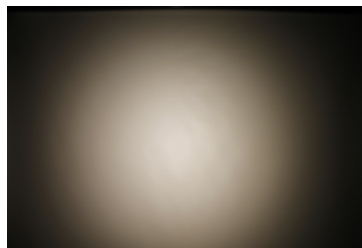
CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)
 FWHM 25.0°
 Efficiency 82 %
 Peak intensity 2.900 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C



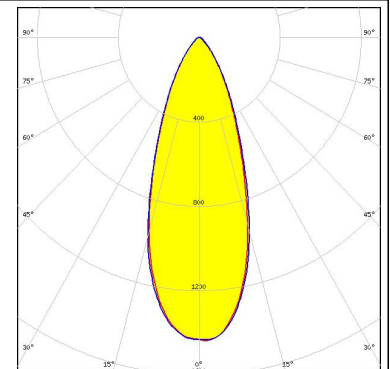
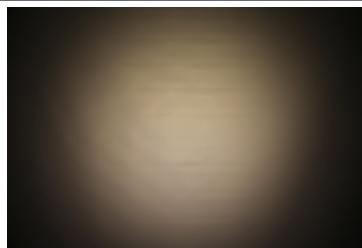
CREE

LED CXA/B 13xx
 FWHM 27.0°
 Efficiency 81 %
 Peak intensity 2.600 cd/lm
 Required components:
 F15956_HEKLA-SOCKET-J



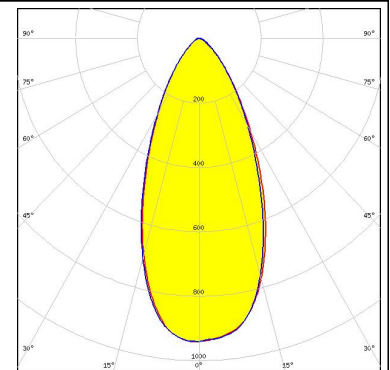
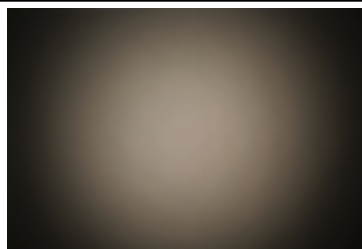
LUMILEDS

LED LUXEON CoB 1205HD
 FWHM 38.0°
 Efficiency 81 %
 Peak intensity 1.400 cd/lm
 Required components:
 F15858_HEKLA-SOCKET-H

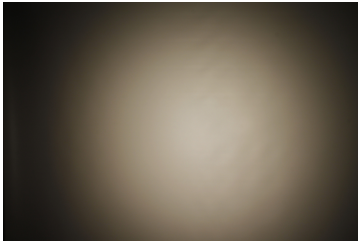
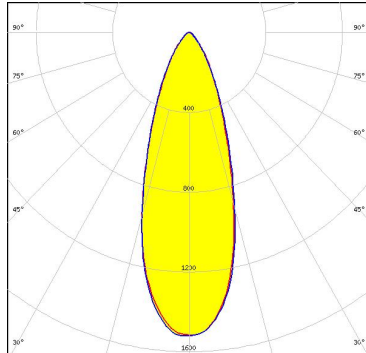
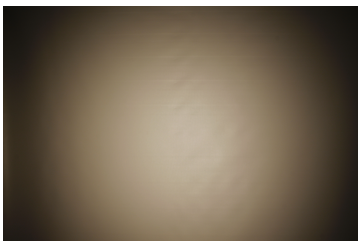
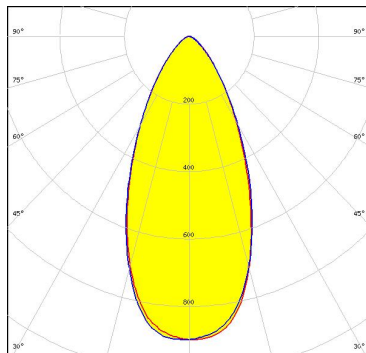
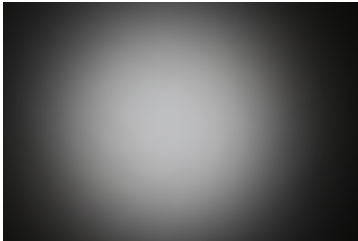
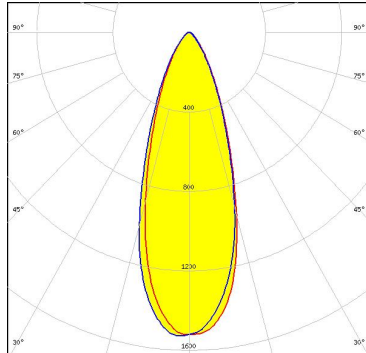
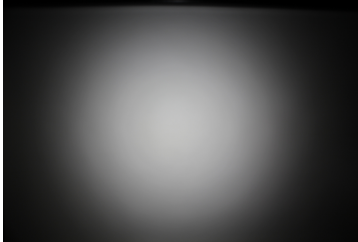
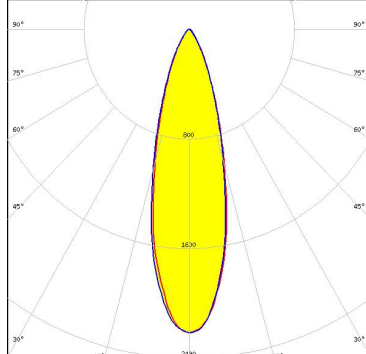


LUMINUS

LED CXM-14
 FWHM 47.0°
 Efficiency 75 %
 Peak intensity 0.940 cd/lm
 Required components:
 F15859_HEKLA-SOCKET-I



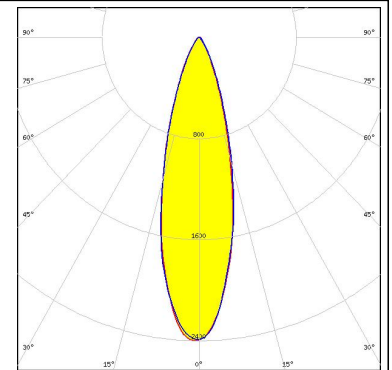
PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CXM-9 FWHM 35.0° Efficiency 78 % Peak intensity 1.500 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		
<p>SAMSUNG</p> <p>LED COB D Series LES 14.5 mm FWHM 48.0° Efficiency 75 % Peak intensity 0.900 cd/lm Required components: F15859_HEKLA-SOCKET-I</p>		
<p>SAMSUNG</p> <p>LED COB D Series LES 9.8 mm FWHM 35.0° Efficiency 79 % Peak intensity 1.500 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		
<p>SAMSUNG</p> <p>LED LC010C FWHM 28.0° Efficiency 79 % Peak intensity 2.200 cd/lm Required components: F15848_HEKLA-SOCKET-G</p>		

PHOTOMETRIC DATA (MEASURED):

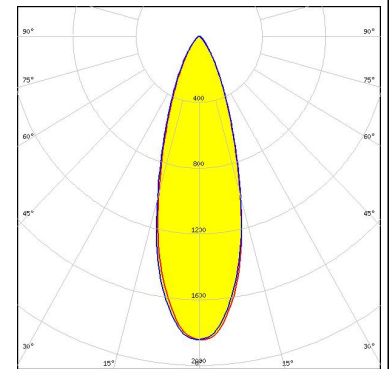
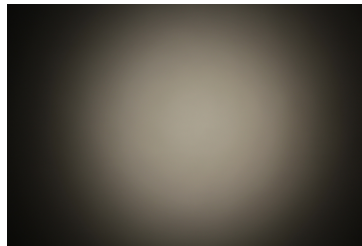
SAMSUNG

LED LC010C G2
FWHM 28.0°
Efficiency 80 %
Peak intensity 2.400 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



SAMSUNG

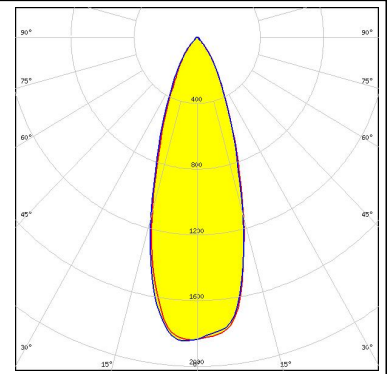
LED LC020C
FWHM 32.0°
Efficiency 80 %
Peak intensity 1.800 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 15xx
FWHM 24.0°
Efficiency 84 %
Peak intensity 1.900 cd/lm
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.

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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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