

CARMEN-W-C

~55° wide beam. Assembly with holder C compatible with LEDiL HEKLA.

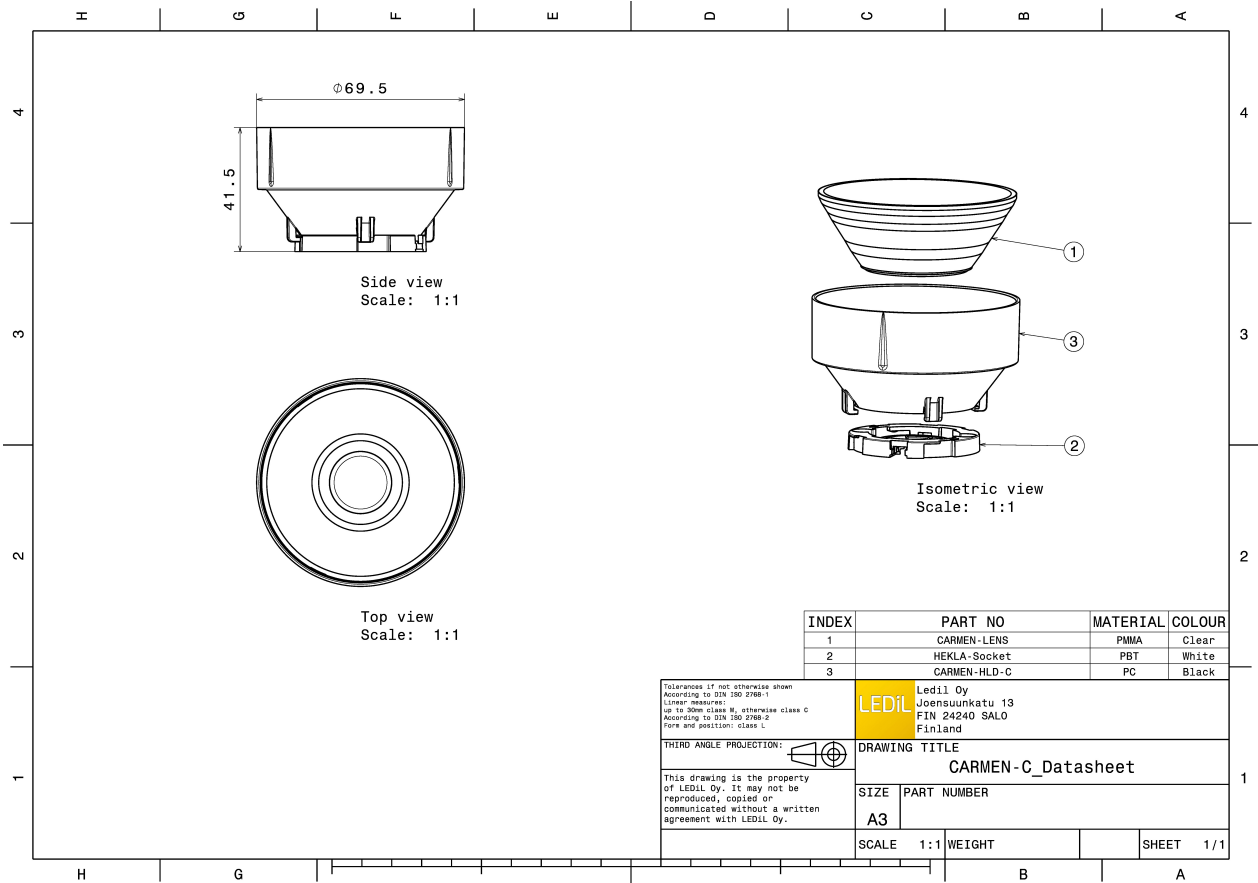
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	41.5 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	4.5 kg
Quantity in Box	150 pcs
ROHS compliant	yes ⓘ


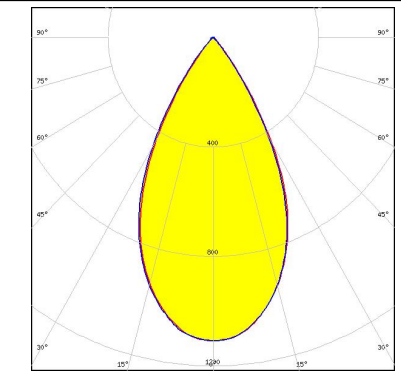
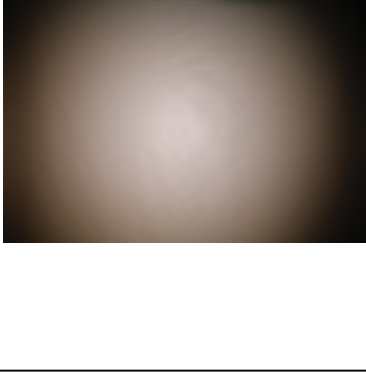
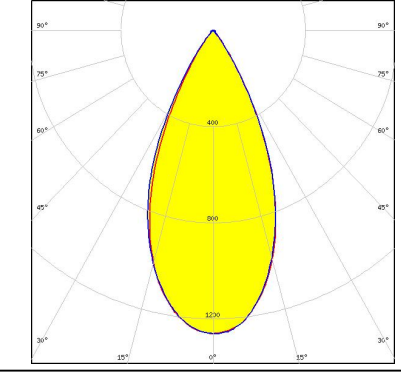
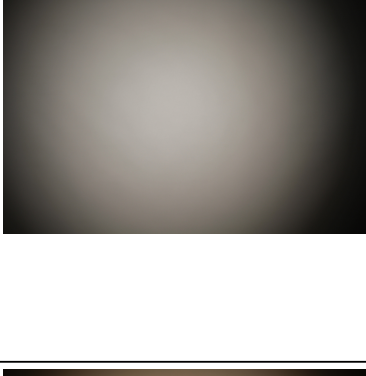
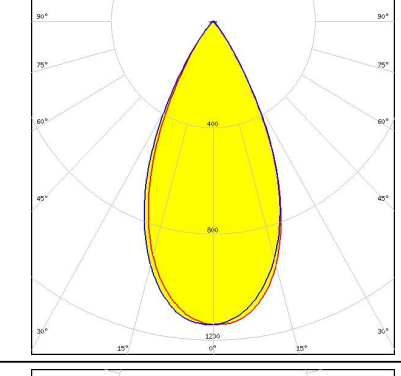
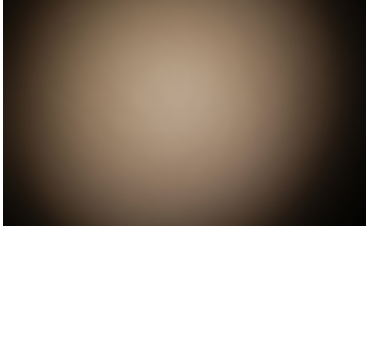
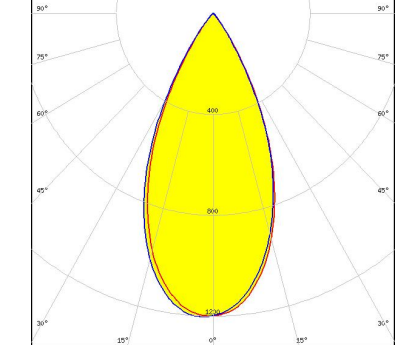


MATERIAL SPECIFICATIONS:

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



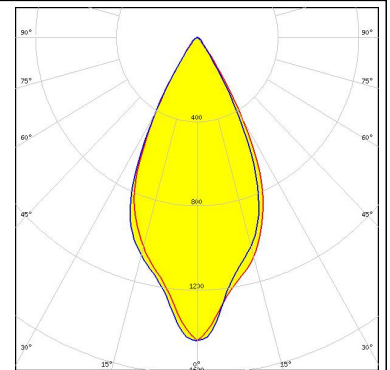
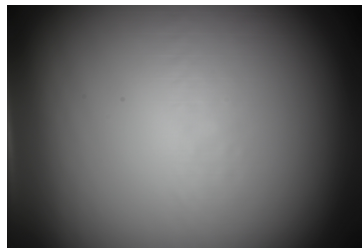
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 55.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 6.900 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 9mm (6W/12W)</p> <p>FWHM 48.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 9mm (12W)</p> <p>FWHM 50.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>CITIZEN</p> <p>LED CLC020 Series (Dim-To-Warm)</p> <p>FWHM 48.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		

PHOTOMETRIC DATA (MEASURED):

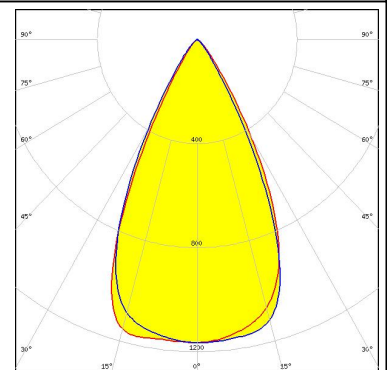
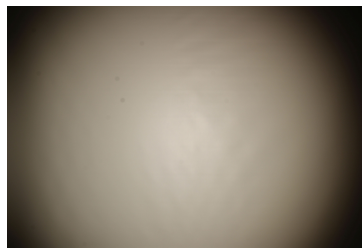
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 54.0°
 Efficiency 82 %
 Peak intensity 1.100 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C



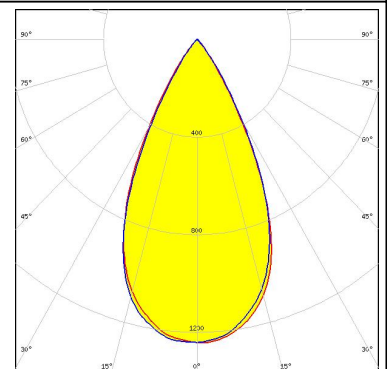
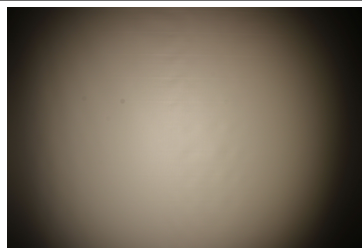
CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)
 FWHM 54.0°
 Efficiency 86 %
 Peak intensity 1.200 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C



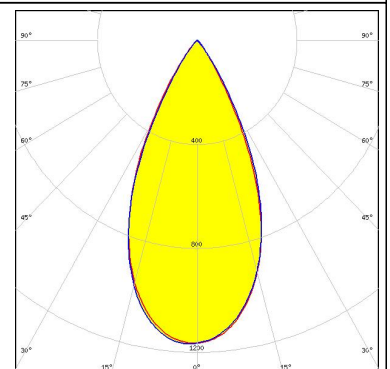
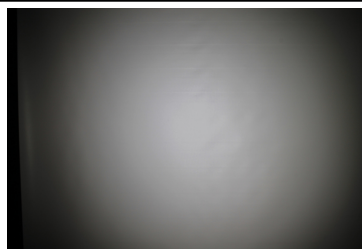
CITIZEN

LED CLU700/701
 FWHM 52.0°
 Efficiency 85 %
 Peak intensity 1.200 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C



CITIZEN

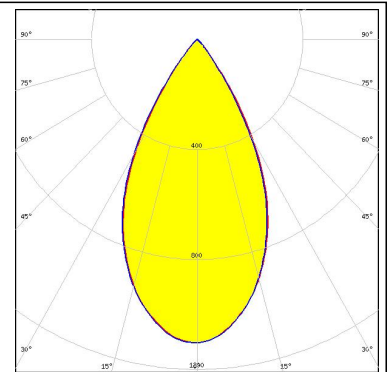
LED LCN-C01B (Tunable White)
 FWHM 49.0°
 Efficiency 74 %
 Peak intensity 1.200 cd/lm
 Required components:
 C16142_HEKLA-SOCKET-K



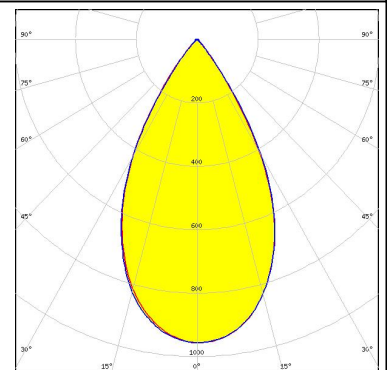
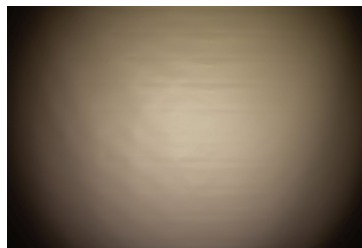
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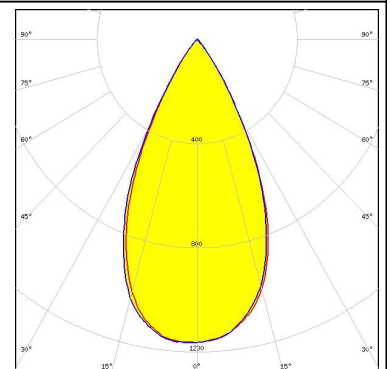
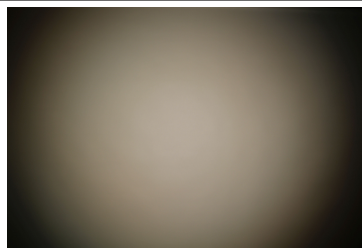
LED CMA1516
 FWHM 55.0°
 Efficiency 82 %
 Peak intensity 1.100 cd/lm
 Required components:
 F15256_HEKLA-SOCKET-D



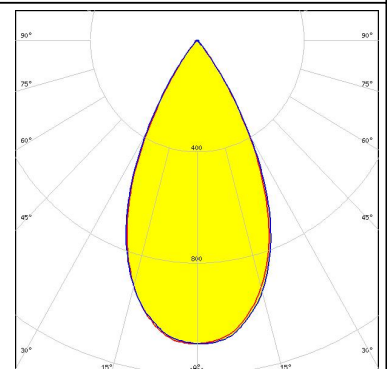
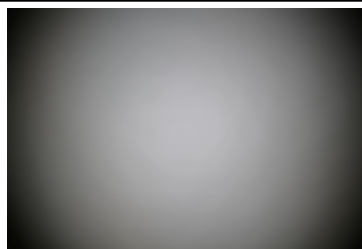
LED LUXEON CoB 1205HD
 FWHM 56.0°
 Efficiency 76 %
 Peak intensity 1.000 cd/lm
 Required components:
 F15858_HEKLA-SOCKET-H



LED CDM-6 (Dim-To-Warm)
 FWHM 51.0°
 Efficiency 78 %
 Peak intensity 1.200 cd/lm
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



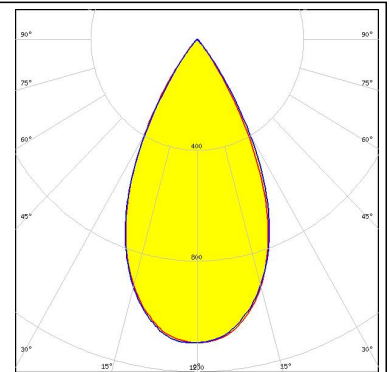
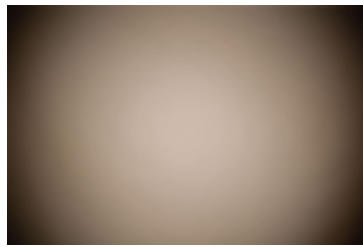
LED CDM-9 (Dim-To-Warm)
 FWHM 53.0°
 Efficiency 77 %
 Peak intensity 1.100 cd/lm
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



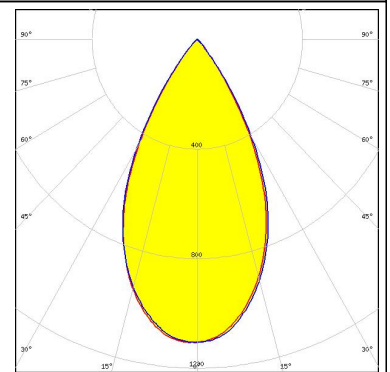
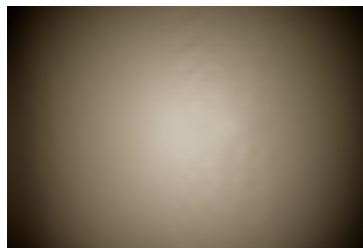
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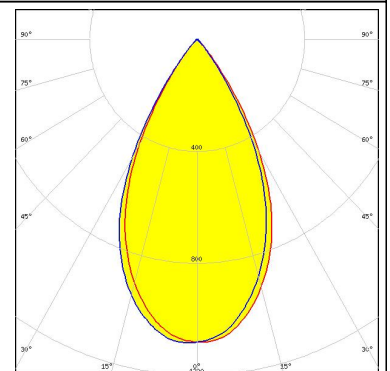
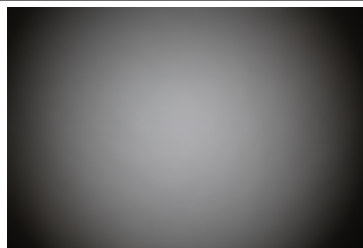
LED CTM-9 (Tunable White)
 FWHM 53.0°
 Efficiency 77 %
 Peak intensity 1.100 cd/lm
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 495 Typ L8



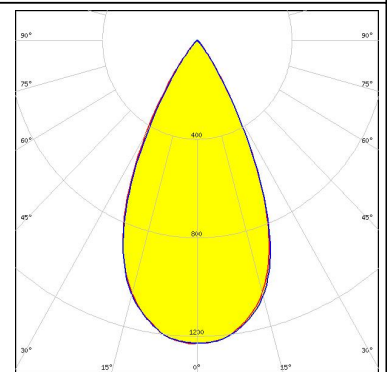
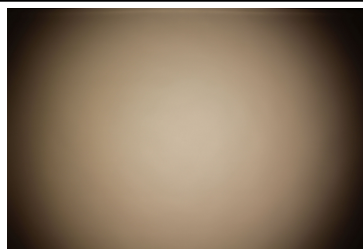
LED CXM-9
 FWHM 53.0°
 Efficiency 81 %
 Peak intensity 1.100 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C





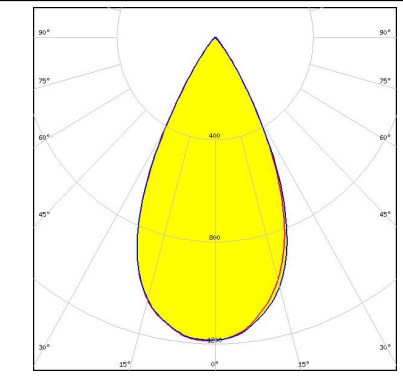

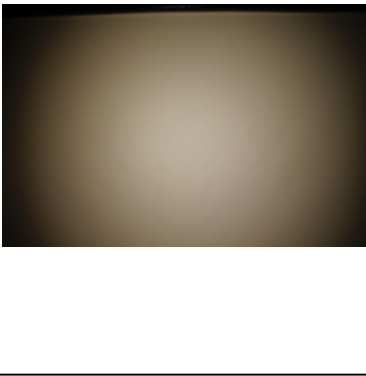
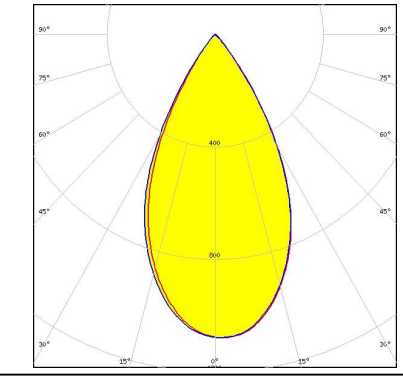

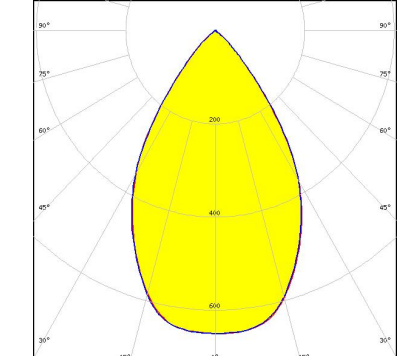
LED COB D Series LES 9.8 mm
 FWHM 55.0°
 Efficiency 82 %
 Peak intensity 1.100 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C



LED LC010C G2
 FWHM 52.0°
 Efficiency 84 %
 Peak intensity 1.200 cd/lm
 Required components:
 F15255_HEKLA-SOCKET-C



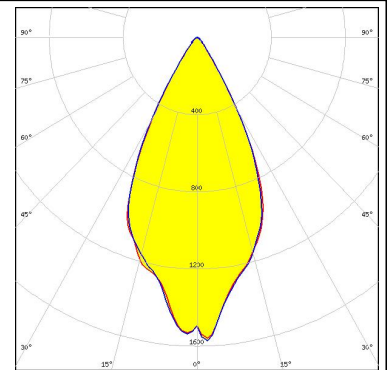
PHOTOMETRIC DATA (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED MJT COB LES 6 FWHM 52.0° Efficiency 82 % Peak intensity 1.200 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8 FWHM 54.0° Efficiency 79 % Peak intensity 1.100 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		
<p>XICATO</p> <p>LED XTM - 19mm LES FWHM 64.0° Efficiency 66 % Peak intensity 0.650 cd/lm Required components: C16058_XTM-ADAPTER-50-C</p>		

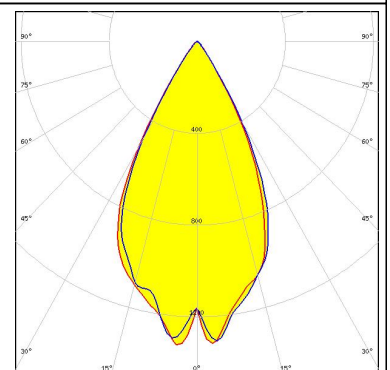
PHOTOMETRIC DATA (SIMULATED):



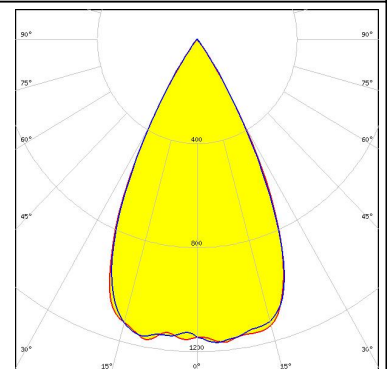
LED VERO10
FWHM 50.7°
Efficiency 0 %
Peak intensity 1.600 cd/lm
Required components:
F15616_HEKLA-SOCKET-F



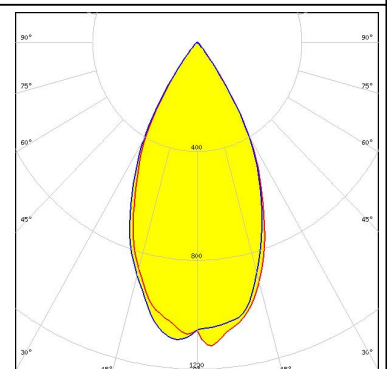
LED CXA/B 15xx
FWHM 53.5°
Efficiency 0 %
Peak intensity 1.365 cd/lm
Required components:
F15256_HEKLA-SOCKET-D



LED COB T-Type
FWHM 54.0°
Efficiency 84 %
Peak intensity 1.200 cd/lm
Required components:
F15848_HEKLA-SOCKET-G



LED SLE G6 LES10
FWHM 51.0°
Efficiency 76 %
Peak intensity 1.100 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



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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