

ANGELETTE-WW-PLAIN

~60° wide beam. Clean appearance with no additional attachment interface.

SPECIFICATION:

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

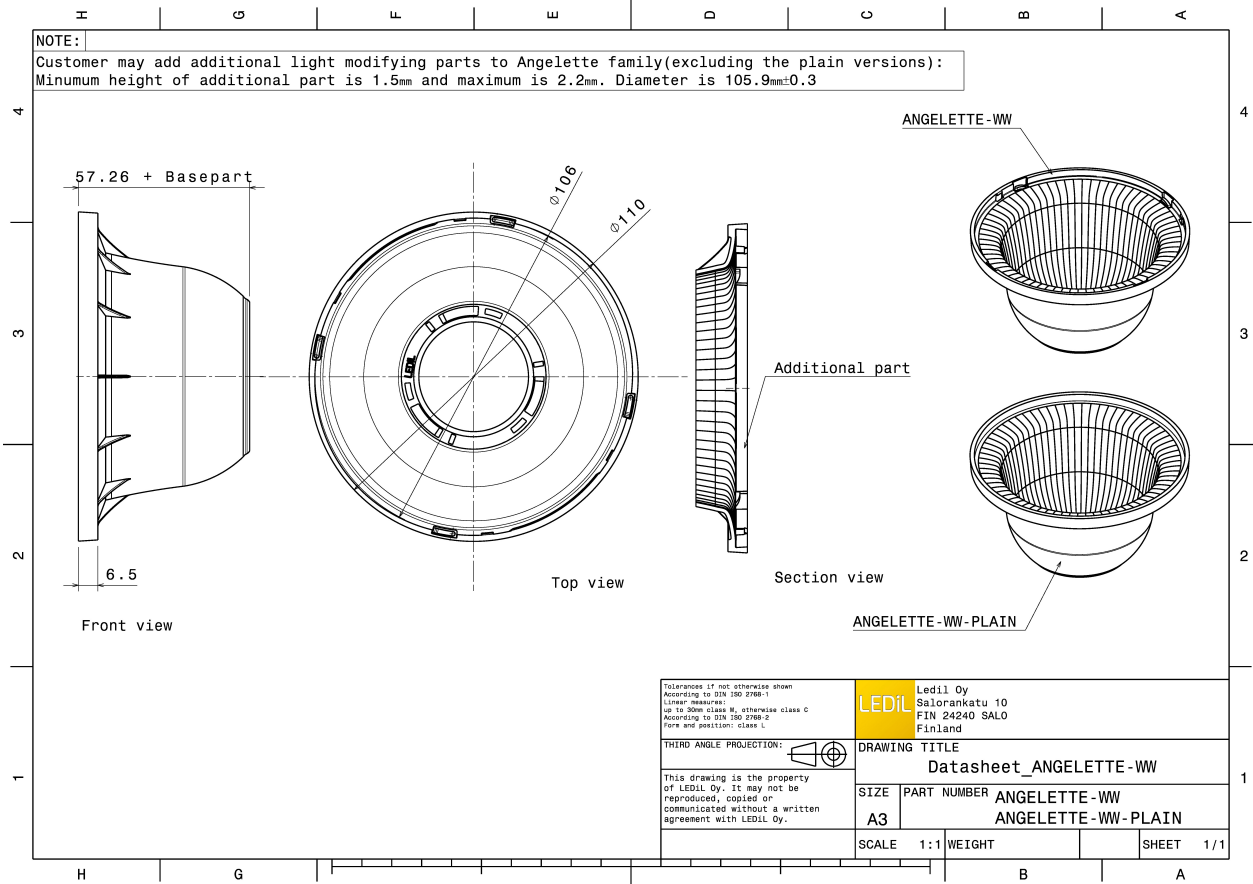
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ANGELETTE-WW-PLAIN	Reflector	PC	metal		HMDS




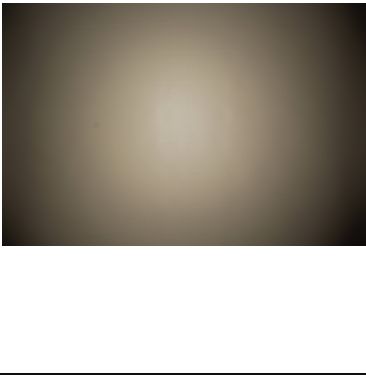
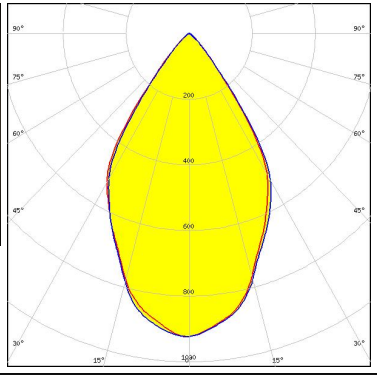


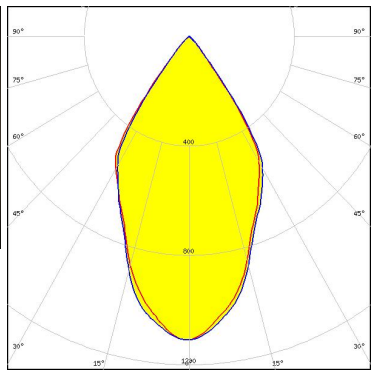


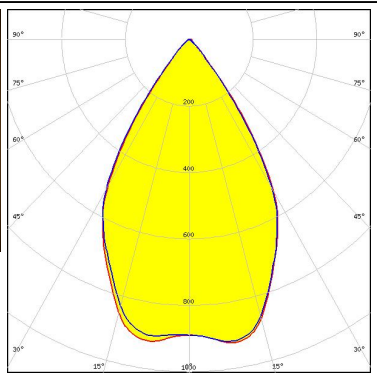

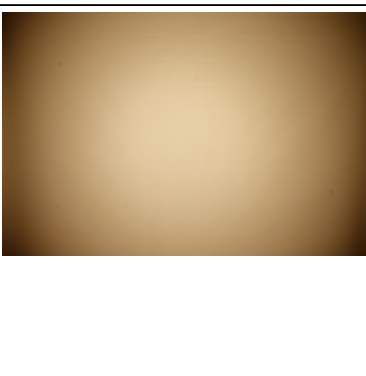
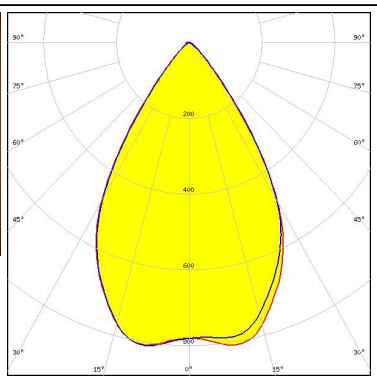
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14622_ANGELETTE-WW-PLAIN » Box size: 398 x 298 x 265 mm	120	90	30	5.3

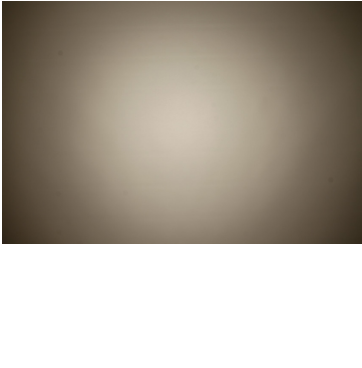
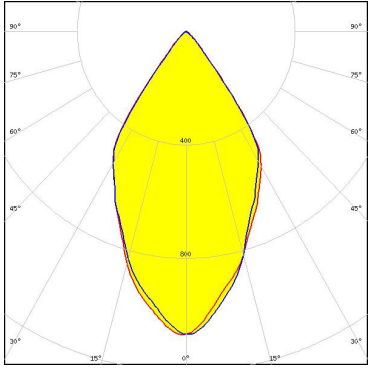

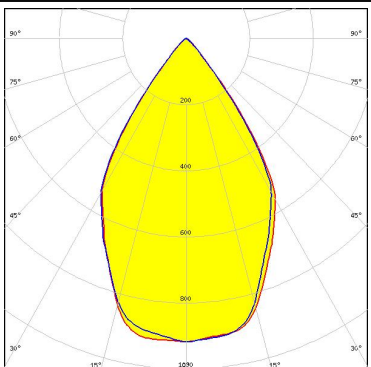

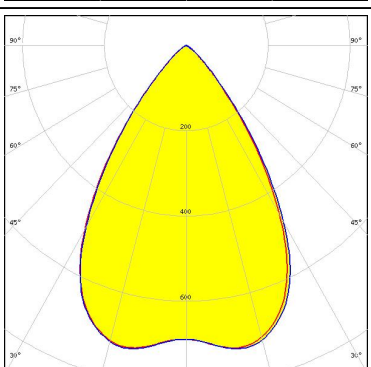

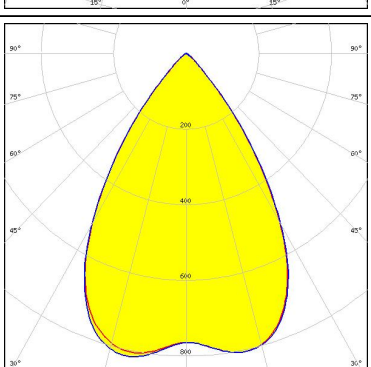


See also our general installation guide: www.ledil.com/installation_guide


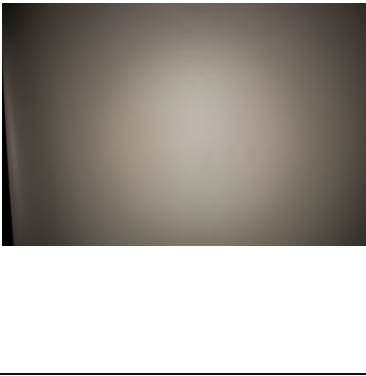
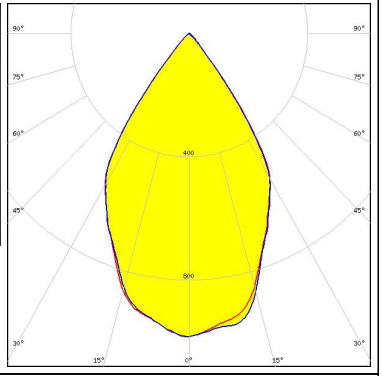


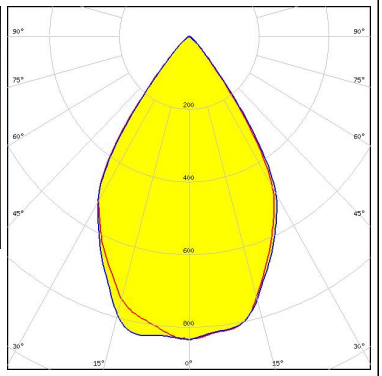


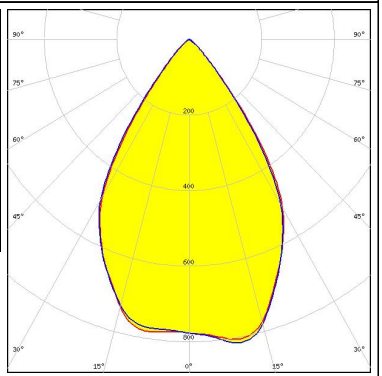

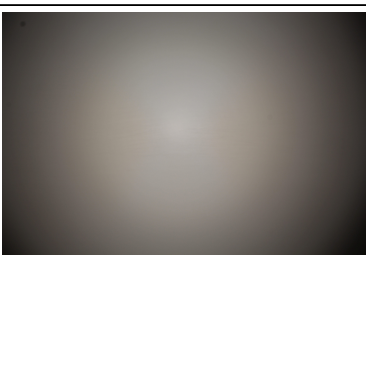
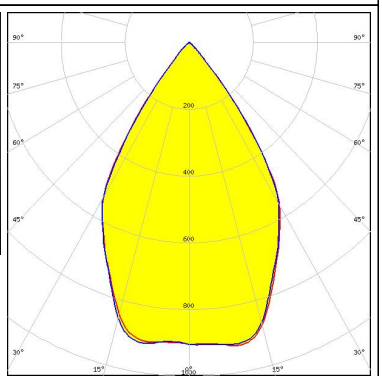
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V13 Gen7 FWHM / FWTM 64.0° / 86.0° Efficiency 86 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p></p> <p>LED V13 Gen7 FWHM / FWTM 59.0° / 80.0° Efficiency 90 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p></p> <p>LED V22 Gen6 FWHM / FWTM 63.0° / 83.0° Efficiency 89 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: IDEAL: 50-2204-CT + 50-2100AN</p>		
<p></p> <p>LED V22 Gen6 FWHM / FWTM 65.0° / 88.0° Efficiency 85 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS IDEAL: 50-2204-CT + 50-2100AN</p>		

OPTICAL RESULTS (MEASURED):

<p>bridgelux.</p> <p>LED VERO13 FWHM / FWTM 60.0° / 82.0° Efficiency 90 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO18 FWHM / FWTM 66.0° / 84.0° Efficiency 89 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO29 FWHM / FWTM 69.0° / 94.0° Efficiency 85 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: C13584_CLAMP-VERO29 F13671_ANGE-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO29 FWHM / FWTM 68.0° / 89.0° Efficiency 90 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: C13584_CLAMP-VERO29</p>		

OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Vesta TW 15mm DP FWHM / FWTM 65.0° / 82.0° Efficiency 89 % Peak intensity 1 cd/m LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 482 Typ L2</p>		
<p></p> <p>LED Vesta TW 15mm DP FWHM / FWTM 66.0° / 86.0° Efficiency 84 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C13658_CLAMP-VERO13-18 F13671_ANGE-RZ-LENS Bender Wirth: 482 Typ L2</p>		
<p></p> <p>LED Vesta TW 18mm (31W) DP FWHM / FWTM 67.0° / 88.0° Efficiency 84 % Peak intensity 0.8 cd/m LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C13584_CLAMP-VERO29 F13671_ANGE-RZ-LENS Bender Wirth: 483 Typ L3</p>		
<p></p> <p>LED Vesta TW 18mm (31W) DP FWHM / FWTM 66.0° / 83.0° Efficiency 89 % Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C13584_CLAMP-VERO29 Bender Wirth: 483 Typ L3</p>		

OPTICAL RESULTS (MEASURED):

bridgelux.

LED Vesta TW 22mm DP
 FWHM / FWTM 65.0° / 83.0°
 Efficiency 88 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour Tunable White

Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3




bridgelux.

LED Vesta TW 22mm DP
 FWHM / FWTM 66.0° / 88.0°
 Efficiency 84 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour Tunable White

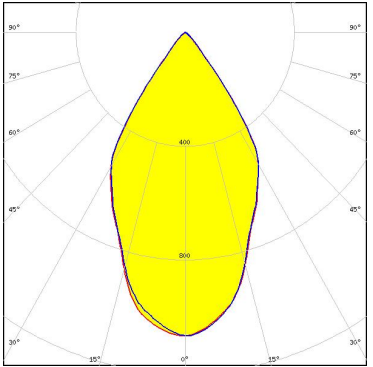
Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 494 Typ L3




CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 61.0° / 81.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White


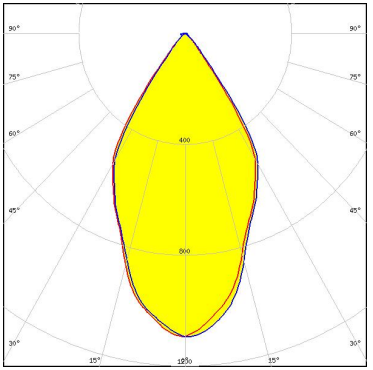
Required components:
 TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1

CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 59.0° / 80.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White

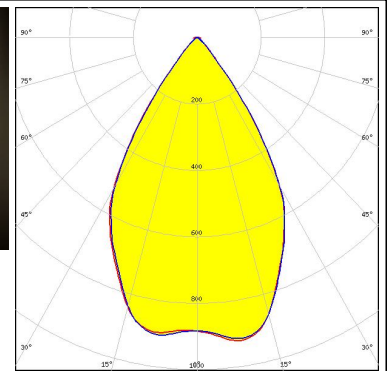
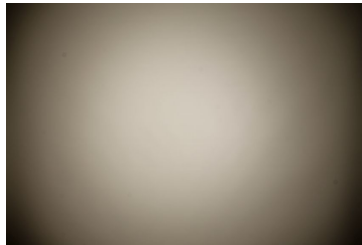
Required components:
 IDEAL: 50-2103CT + 50-2100AN

OPTICAL RESULTS (MEASURED):

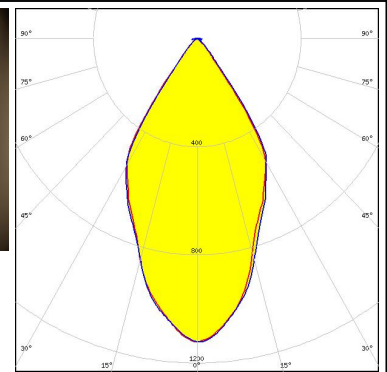
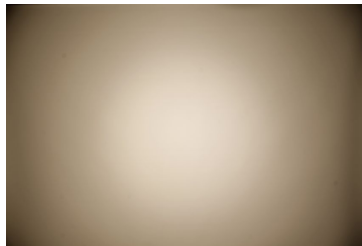
CITIZEN

LED CLL04x/CLU04x
 FWHM / FWTM 63.0° / 83.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



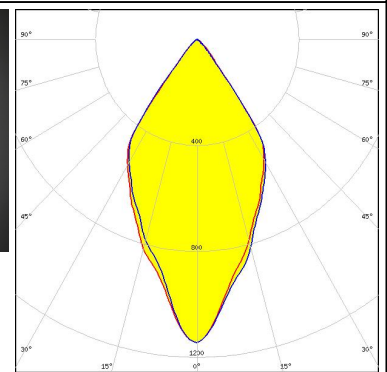
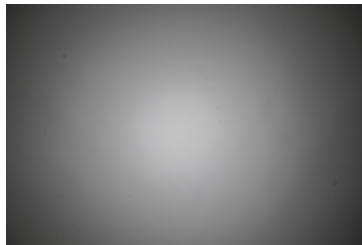
CITIZEN

LED CLU730/731/733
 FWHM / FWTM 57.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



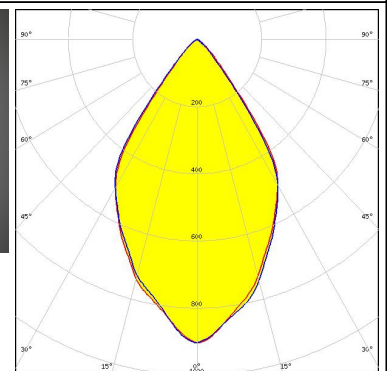
CREE LEDs

LED CXA/B 15xx
 FWHM / FWTM 55.0° / 81.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18


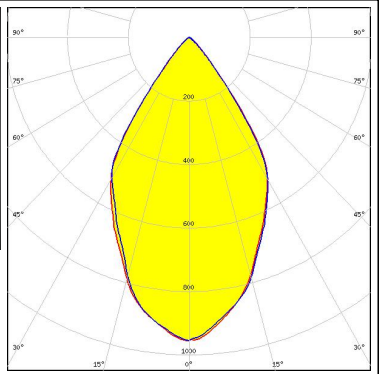

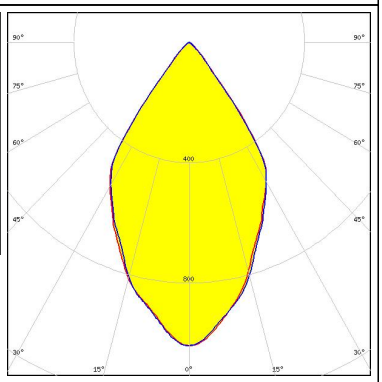

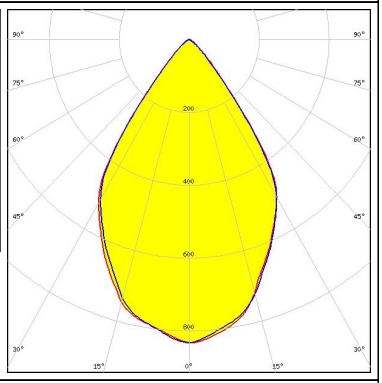

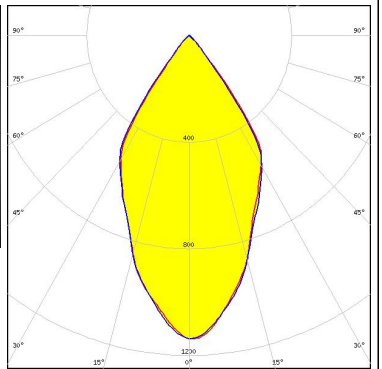


CREE LEDs

LED CXA/B 15xx
 FWHM / FWTM 66.0° / 88.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18
 F13671_ANGE-RZ-LENS



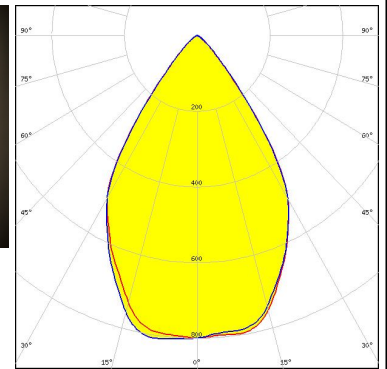
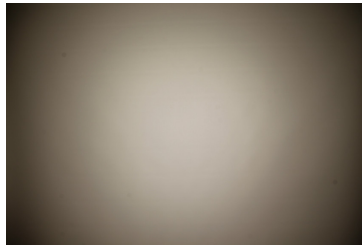
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM / FWTM 63.0° / 85.0° Efficiency 86 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>CREE LEDs</p> <p>LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM / FWTM 64.0° / 83.0° Efficiency 90 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: C14123_CLAMP-CXA15-18</p>		
<p>CREE LEDs</p> <p>LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM / FWTM 68.0° / 89.0° Efficiency 86 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: C14123_CLAMP-CXA15-18 F13671_ANGE-RZ-LENS</p>		
<p>CREE LEDs</p> <p>LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM / FWTM 58.0° / 80.0° Efficiency 90 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		

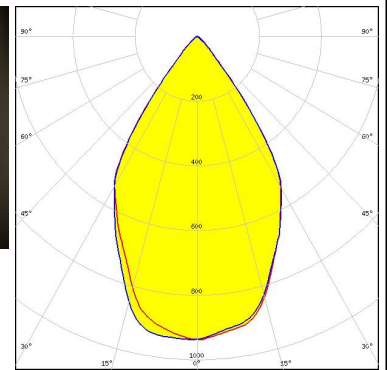
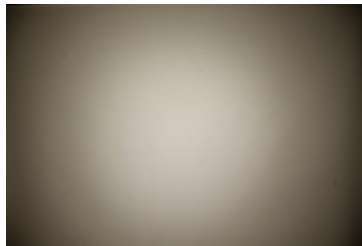
OPTICAL RESULTS (MEASURED):



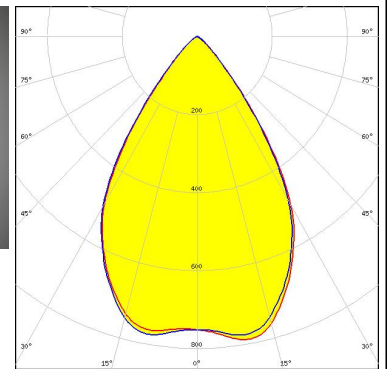
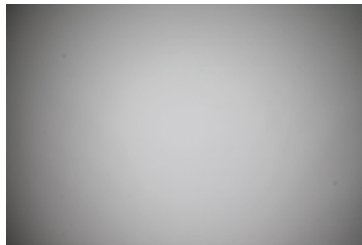
LED CXA/B 25xx
 FWHM / FWTM 67.0° / 90.0°
 Efficiency 85 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30
 F13671_ANGE-RZ-LENS



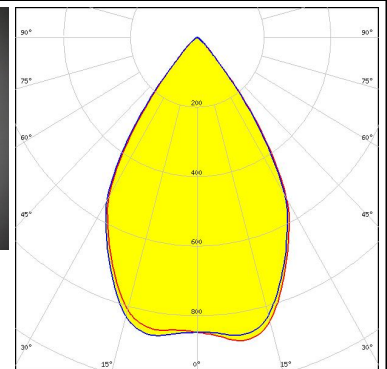
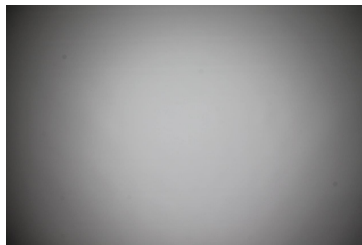
LED CXA/B 25xx
 FWHM / FWTM 65.0° / 84.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



LED CXA/B 30xx
 FWHM / FWTM 67.0° / 91.0°
 Efficiency 86 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30
 F13671_ANGE-RZ-LENS



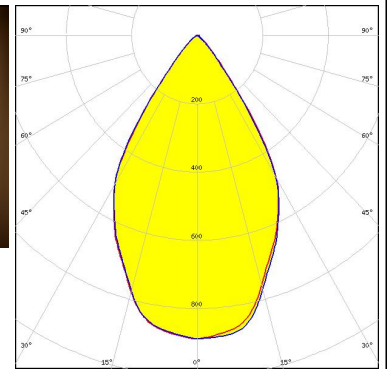
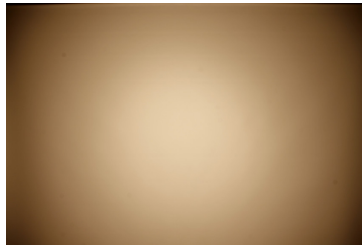
LED CXA/B 30xx
 FWHM / FWTM 66.0° / 86.0°
 Efficiency 90 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



OPTICAL RESULTS (MEASURED):

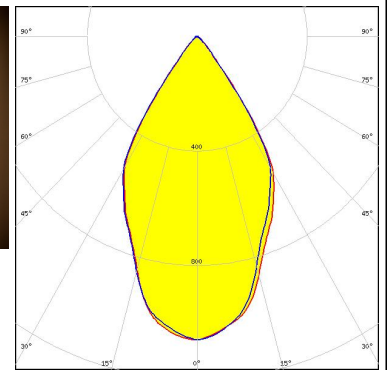
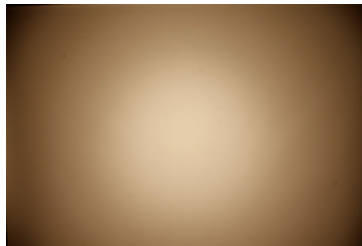
LUMILEDS

LED LUXEON CoB 1208
 FWHM / FWTM 63.0° / 85.0°
 Efficiency 84 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



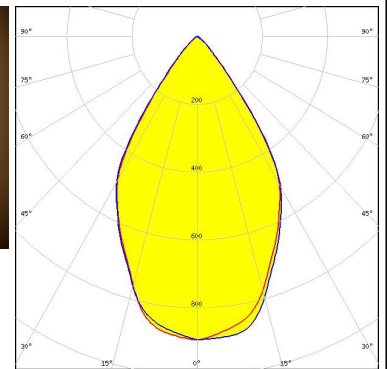
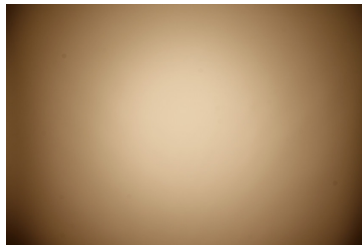
LUMILEDS

LED LUXEON CoB 1208
 FWHM / FWTM 61.0° / 80.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



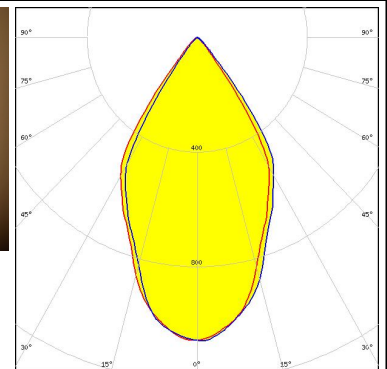
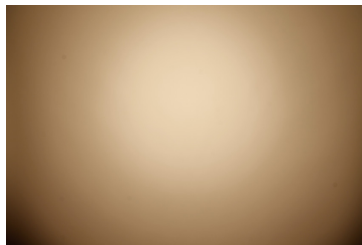
LUMILEDS

LED LUXEON CoB 1208
 FWHM / FWTM 64.0° / 86.0°
 Efficiency 85 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LUMILEDS

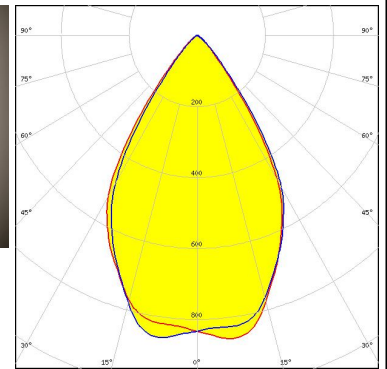
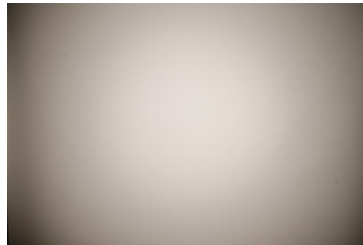
LED LUXEON CoB 1208
 FWHM / FWTM 61.0° / 81.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



OPTICAL RESULTS (MEASURED):

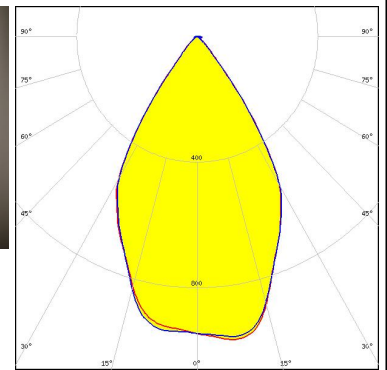
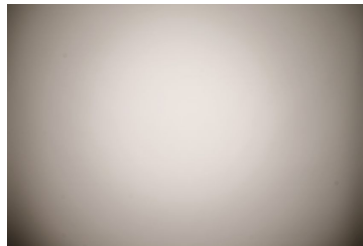
LUMILEDS

LED LUXEON CoB 1211
 FWHM / FWTM 64.0° / 87.0°
 Efficiency 85 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



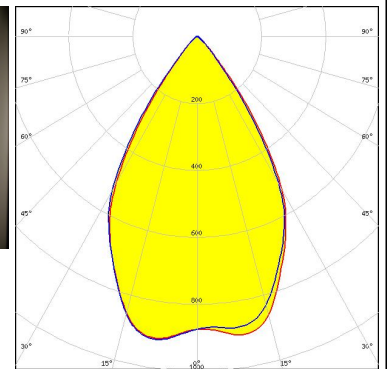
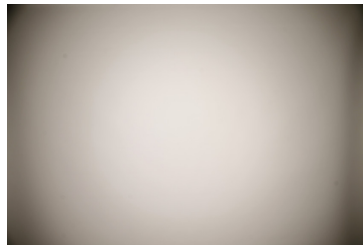
LUMILEDS

LED LUXEON CoB 1211
 FWHM / FWTM 63.0° / 82.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



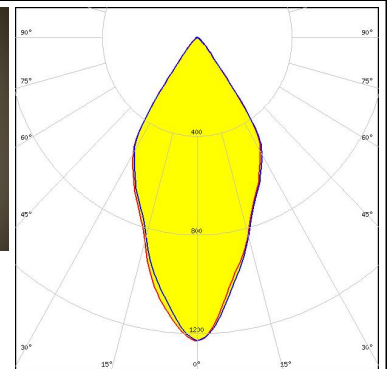
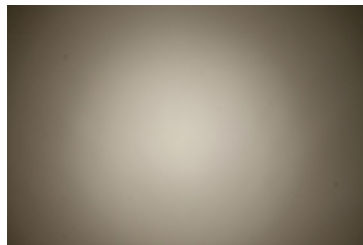
LUMILEDS

LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 63.0° / 84.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



NICHIA

LED COB L-Type (LES 11)
 FWHM / FWTM 51.0° / 77.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC + 50-2100AN



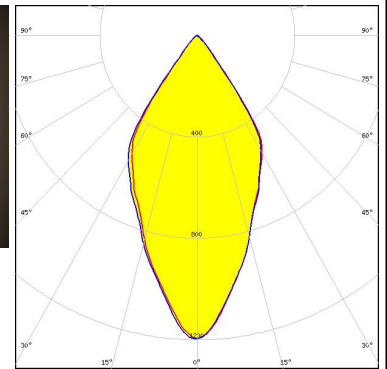
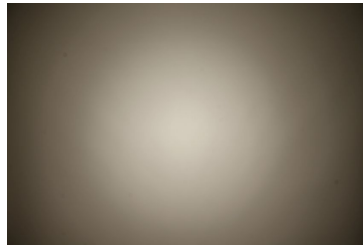
OPTICAL RESULTS (MEASURED):



LED COB L-Type (LES 11)
 FWHM / FWTM 53.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

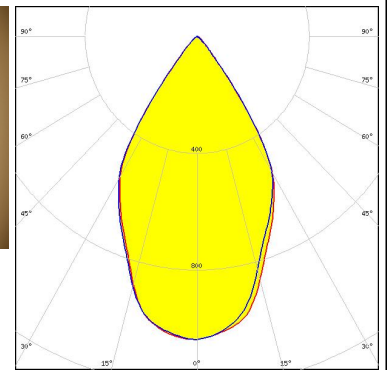
TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED PrevaLED Core Z4 LES19
 FWHM / FWTM 62.0° / 81.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1

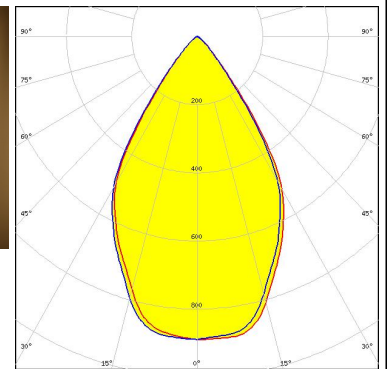


LED PrevaLED Core Z4 LES19
 FWHM / FWTM 64.0° / 86.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

F13671_ANGE-RZ-LENS

TE Connectivity: 2213130-2

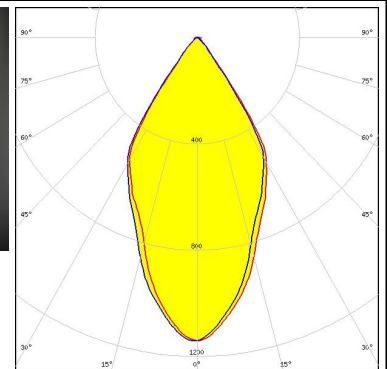


Opto Semiconductors

LED Soleriq S13 19x19
 FWHM / FWTM 56.0° / 79.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

IDEAL: 50-2103CT + 50-2100AN



OPTICAL RESULTS (MEASURED):

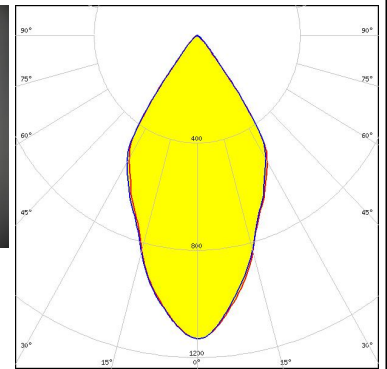
OSRAM

Opto Semiconductors

LED Soleriq S13 19x19
 FWHM / FWTM 56.0° / 80.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



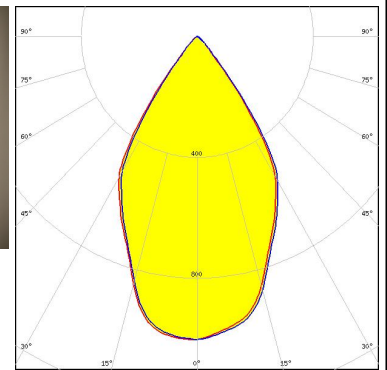
OSRAM

Opto Semiconductors

LED Soleriq S19
 FWHM / FWTM 63.0° / 82.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

TE Connectivity: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

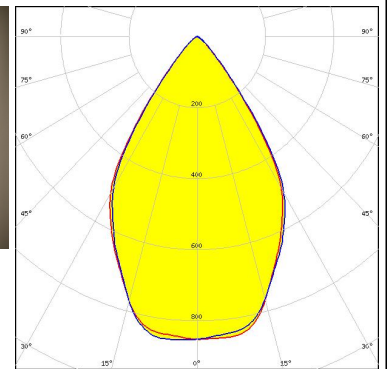
Opto Semiconductors

LED Soleriq S19
 FWHM / FWTM 65.0° / 87.0°
 Efficiency 85 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

F13671_ANGE-RZ-LENS

TE Connectivity: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1

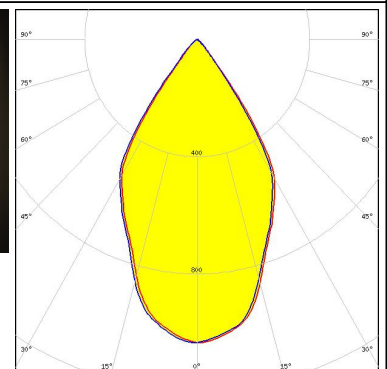
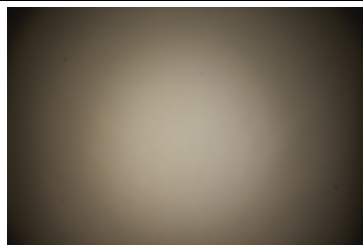


PHILIPS

LED Fortimo SLM L15 + SLM holder
 FWHM / FWTM 62.0° / 81.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

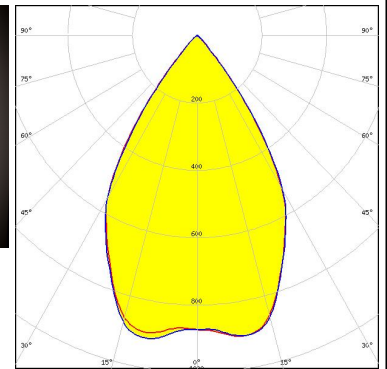
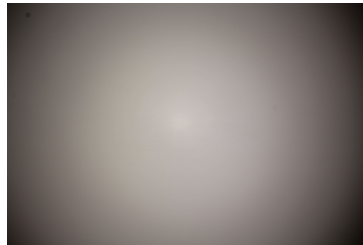
TE Connectivity: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1



OPTICAL RESULTS (MEASURED):

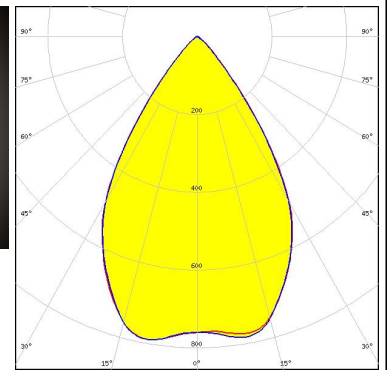
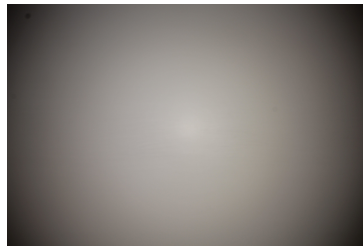
SAMSUNG

LED LC035T (Tunable white)
 FWHM / FWTM 65.0° / 84.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 502 Typ L3



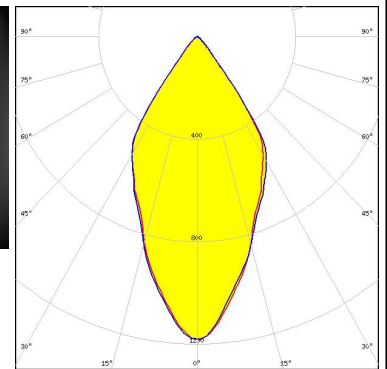
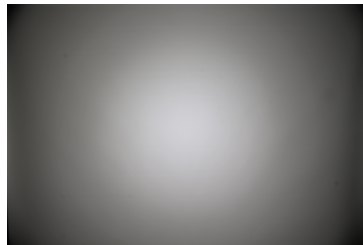
SAMSUNG

LED LC035T (Tunable white)
 FWHM / FWTM 66.0° / 89.0°
 Efficiency 84 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 502 Typ L3



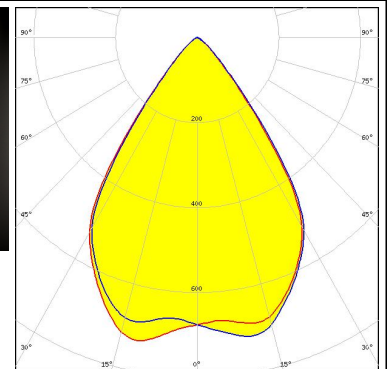
SAMSUNG

LED LC040C
 FWHM / FWTM 53.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1

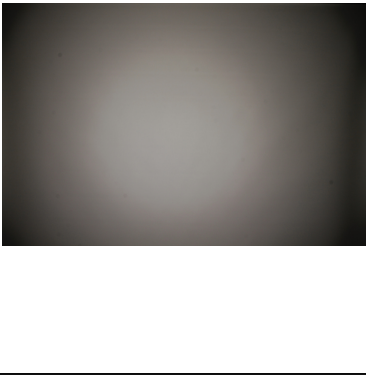
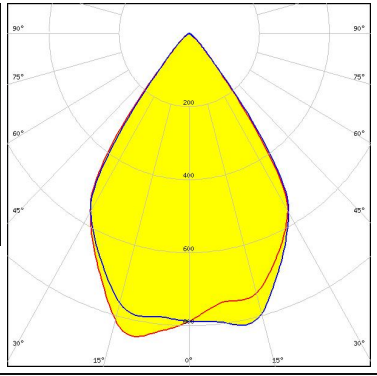
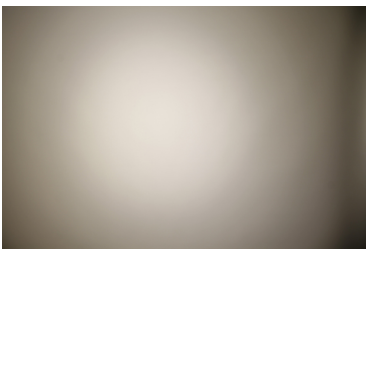
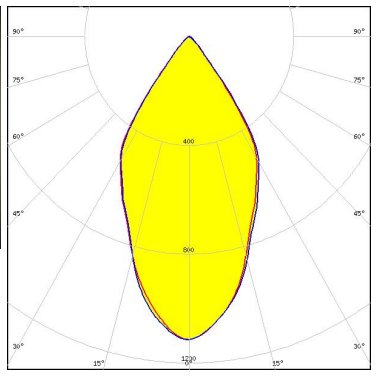

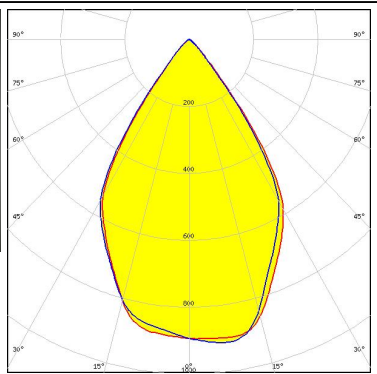


SEOUL SEMICONDUCTOR


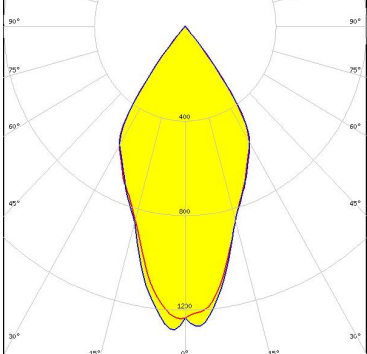

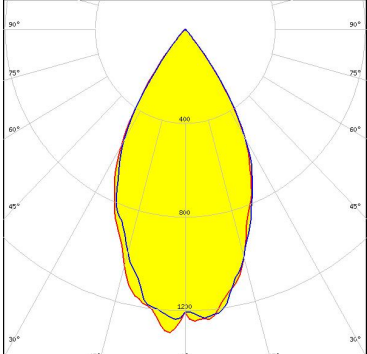
LED AC Zhaga COB
 FWHM / FWTM 71.0° / 92.0°
 Efficiency 85 %
 Peak intensity 0.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 Optosource: SEHSMJD-A



OPTICAL RESULTS (MEASURED):

<p>SEUL SEOUL SEMICONDUCTOR</p> <p>LED AC Zhaga COB FWHM / FWTM 70.0° / 87.0° Efficiency 89 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: Optosource: SEHSMJD-A</p>		
<p>VS LIGHTING SOLUTIONS</p> <p>LED WU-M-484 FWHM / FWTM 56.0° / 81.0° Efficiency 89 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>XICATO</p> <p>LED XIM - 19mm LES FWHM / FWTM 66.0° / 84.0° Efficiency 90 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: C16491_XTM-ADAPTER-50-A</p>		

OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED: V13 Gen7 FWHM / FWTM: 51.0° / 79.0° Efficiency: 90 % Peak intensity: 1.3 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 477 Typ L1</p>	
<p></p> <p>LED: V22 Gen7 FWHM / FWTM: 55.0° / 78.0° Efficiency: 94 % Peak intensity: 1.3 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components: IDEAL: 50-2204-CT + 50-2100AN</p>	

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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