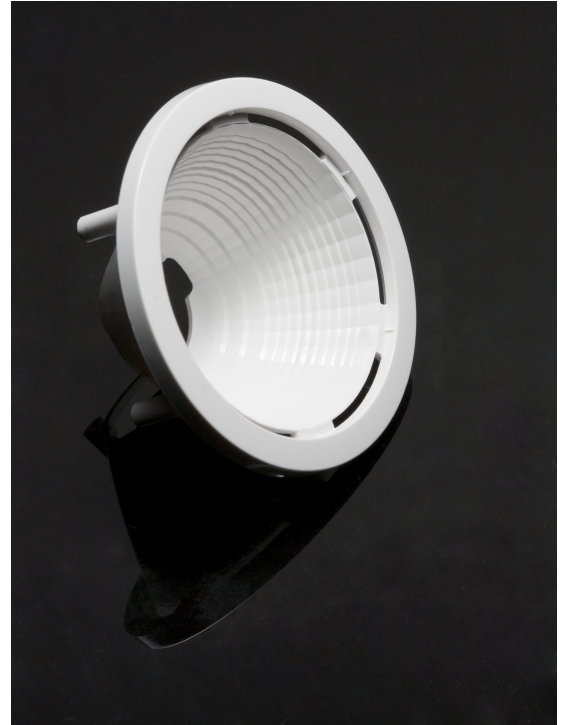


MIRELLA-XW-PF

~80° wide beam

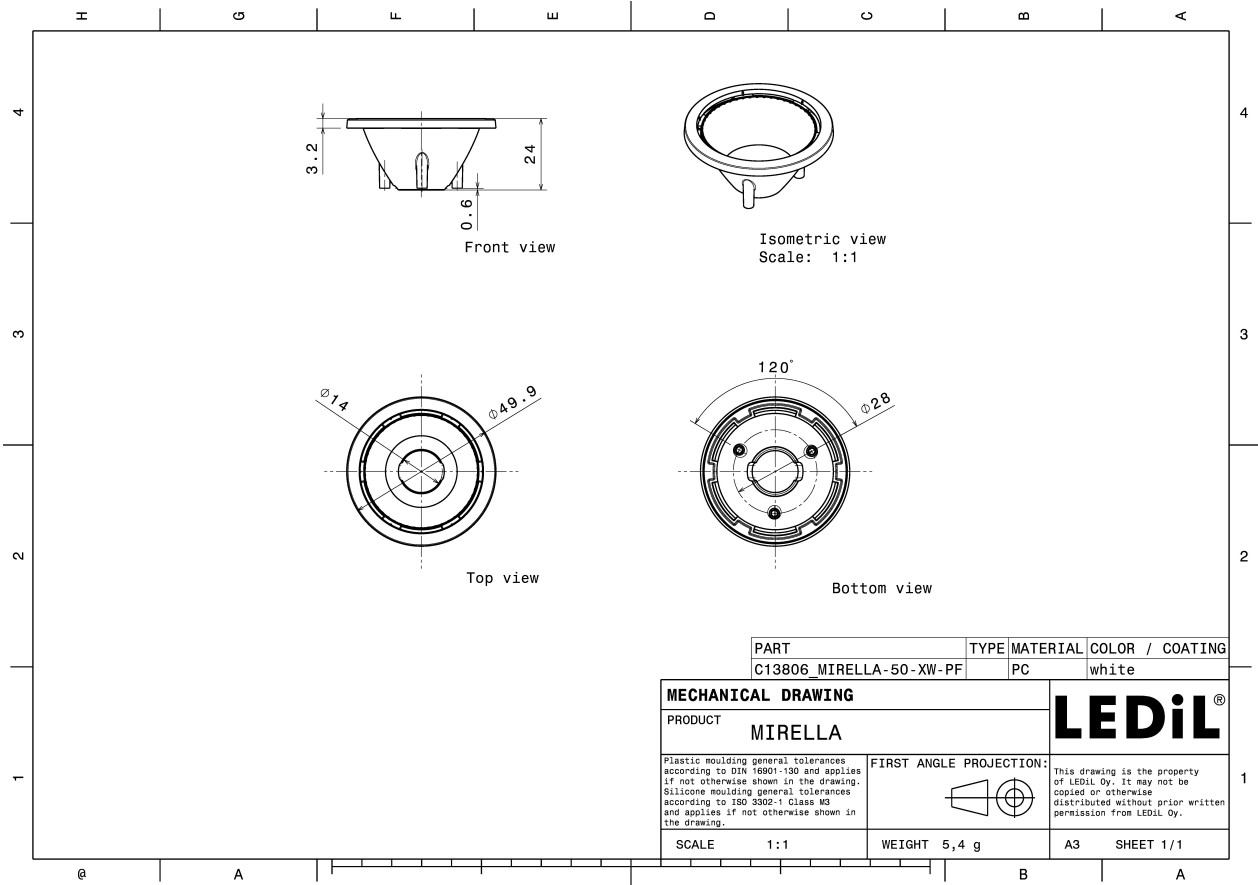
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50 mm
Height	23.9 mm
Fastening	socket
Colour	white
Box size	480 x 280 x 300 mm
Box weight	3.3 kg
Quantity in Box	336 pcs
ROHS compliant	yes ⓘ



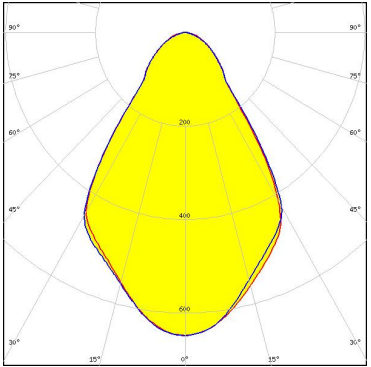

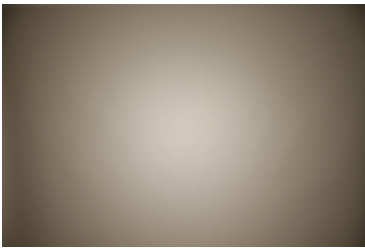
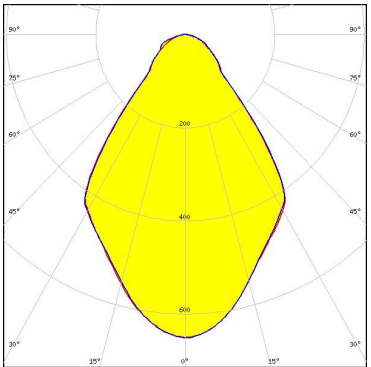

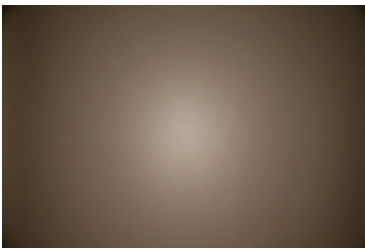
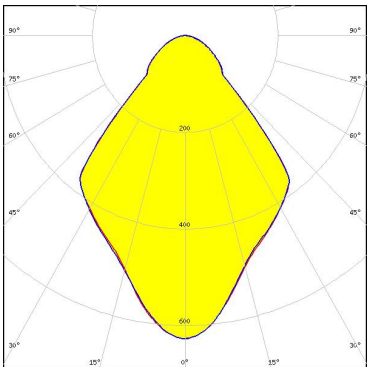

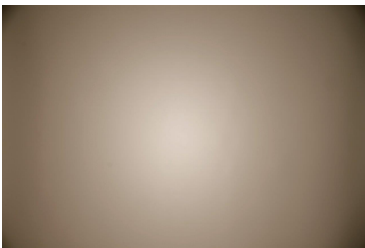
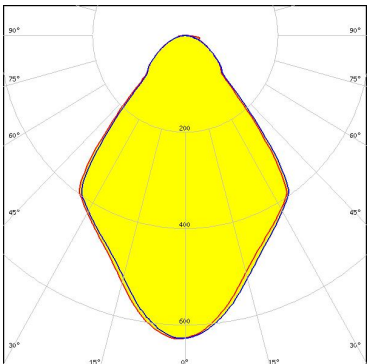


MATERIAL SPECIFICATIONS:

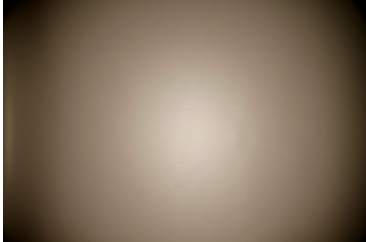
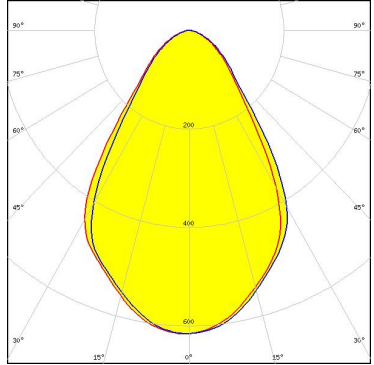
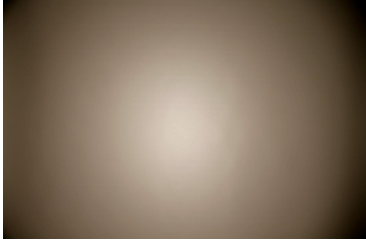
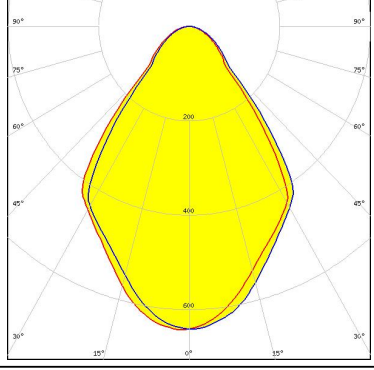
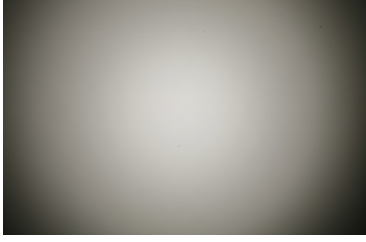
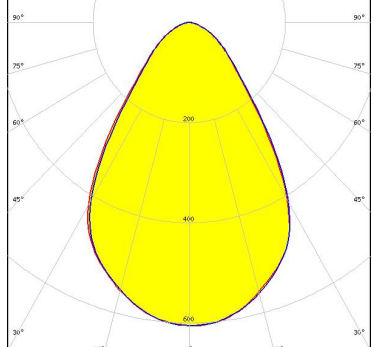
Component	Type	Material	Colour	Coating
MIRELLA-XW-PF	Reflector	HRPC	white	



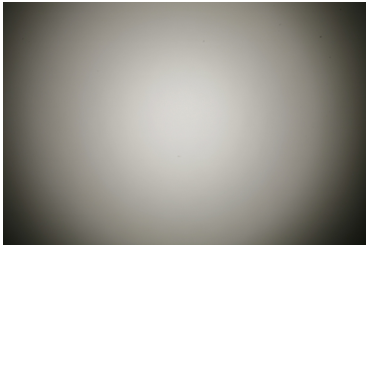
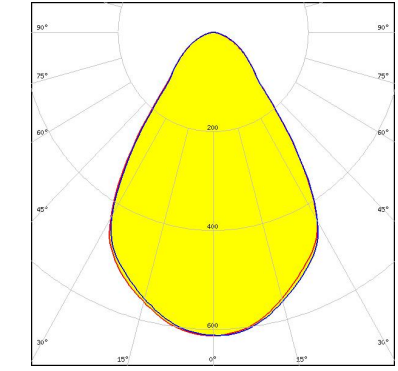
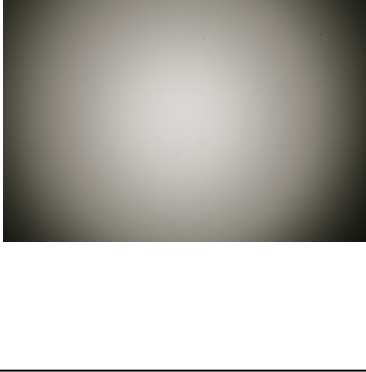
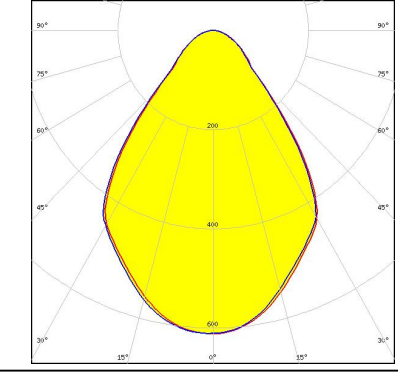
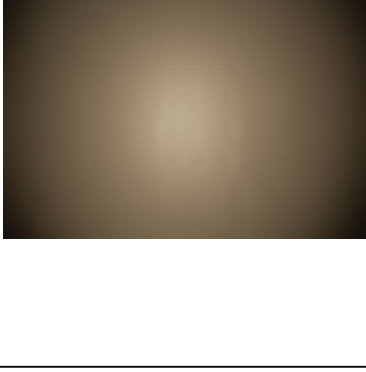
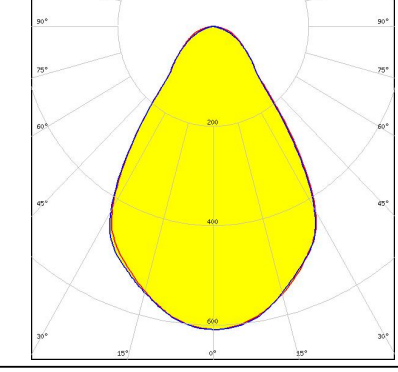
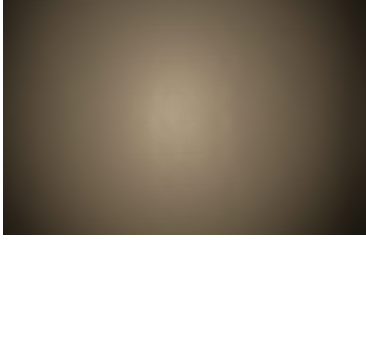
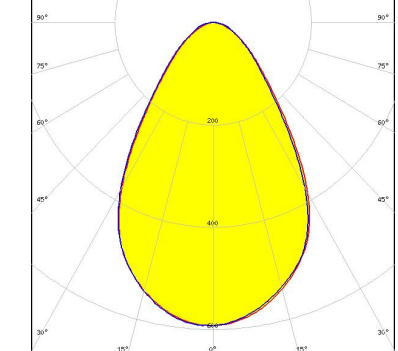
PHOTOMETRIC DATA (MEASURED):

 LED V10 Gen7 FWHM 68.0° Efficiency 87 % Peak intensity 0.650 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL Bender Wirth: 434 Typ L1		
 LED V10 Gen7 FWHM 73.0° Efficiency 91 % Peak intensity 0.650 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1		
 LED V6 Gen6 FWHM 79.0° Efficiency 91 % Peak intensity 0.630 cd/lm Required components: C13761_PF-SOCKET-CXA15		
 LED V8 Gen6 FWHM 77.0° Efficiency 91 % Peak intensity 0.630 cd/lm Required components: C13761_PF-SOCKET-CXA15		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10 FWHM 69.0° Efficiency 87 % Peak intensity 0.600 cd/lm Required components: C13708_PF-SOCKET-VERO10 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO10 FWHM 69.0° Efficiency 87 % Peak intensity 0.600 cd/lm Required components: C13708_PF-SOCKET-VERO10 C12479_MIRELLA-DL</p>		
<p>bridgelux.</p> <p>LED VERO10 FWHM 74.0° Efficiency 92 % Peak intensity 0.600 cd/lm Required components: C13708_PF-SOCKET-VERO10</p>		
<p>bridgelux.</p> <p>LED VERO13 FWHM 70.0° Efficiency 87 % Peak intensity 0.600 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL</p>		

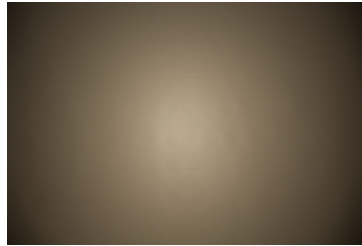
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13 FWHM 71.0° Efficiency 87 % Peak intensity 0.600 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED VERO13 FWHM 75.0° Efficiency 92 % Peak intensity 0.610 cd/lm Required components: C13709_PF-SOCKET-VERO13-18</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm FWHM 71.0° Efficiency 89 % Peak intensity 0.610 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL</p>		
<p>bridgelux.</p> <p>LED Xenio Point 13mm FWHM 68.0° Efficiency 86 % Peak intensity 0.590 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C12479_MIRELLA-DL</p>		

PHOTOMETRIC DATA (MEASURED):

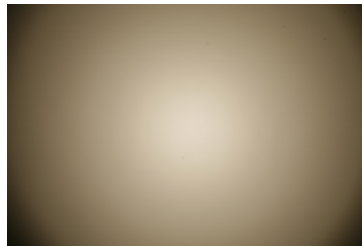
bridgelux

LED Xenio Point 13mm
FWHM 75.0°
Efficiency 93 %
Peak intensity 0.610 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18



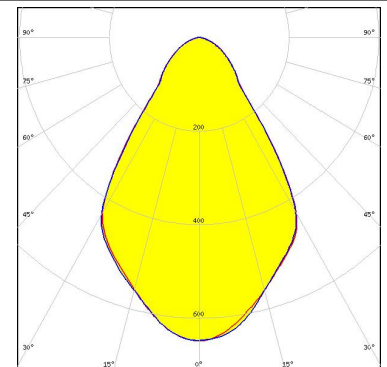
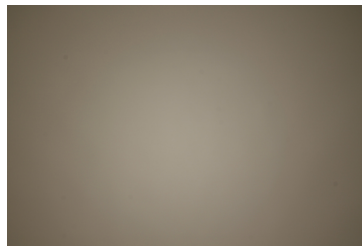
CITIZEN

LED CLL01x
FWHM 78.0°
Efficiency 91 %
Peak intensity 0.700 cd/lm
Required components:
C13083_PF-SOCKET



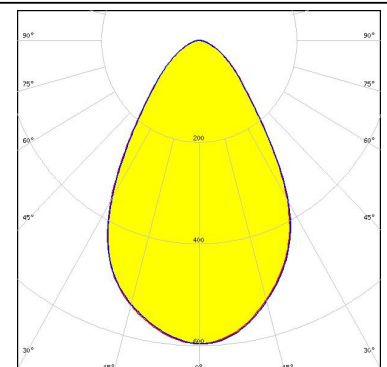
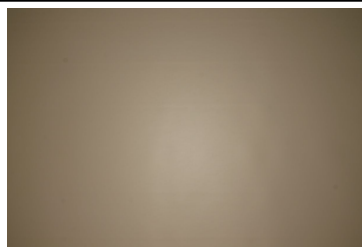
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 68.0°
Efficiency 85 %
Peak intensity 0.650 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1



CITIZEN

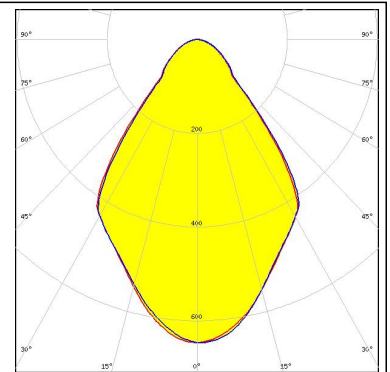
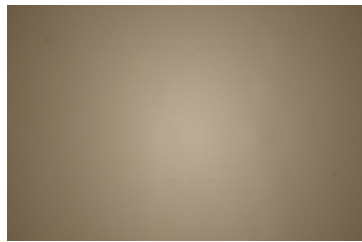
LED CLL02x/CLU02x (LES10)
FWHM 67.0°
Efficiency 80 %
Peak intensity 0.600 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

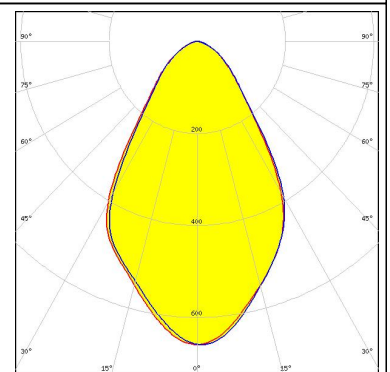
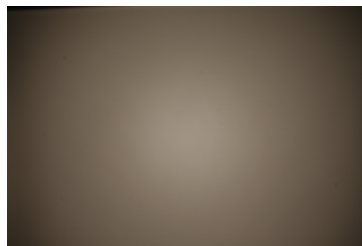
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1



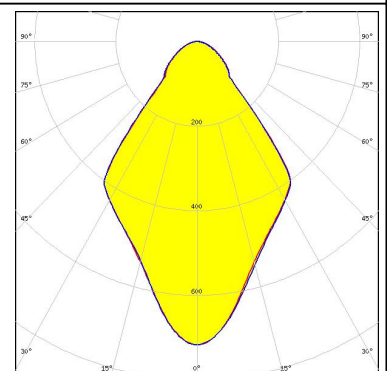
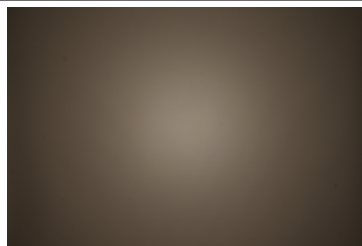
CITIZEN

LED CLU700/701
FWHM 65.0°
Efficiency 83 %
Peak intensity 0.660 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1



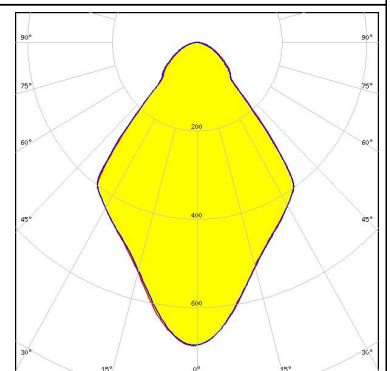
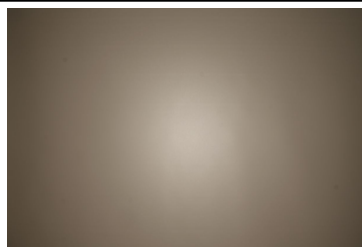
CITIZEN

LED CLU700/701
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.720 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1



CITIZEN

LED CLU700/701
FWHM 76.0°
Efficiency 92 %
Peak intensity 0.700 cd/lm
Required components:
C13083_PF-SOCKET



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLU700/701

FWHM 68.0°

Efficiency 86 %

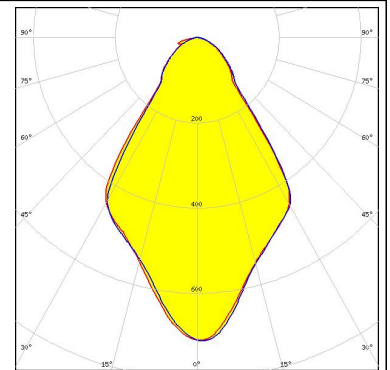
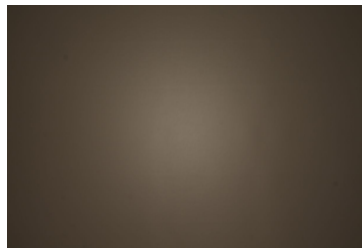
Peak intensity 0.710 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 434 Typ L1



CITIZEN

LED CLU720/721

FWHM 68.0°

Efficiency 83 %

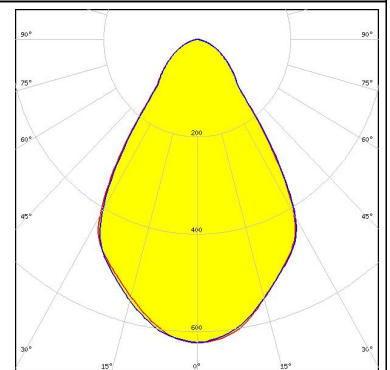
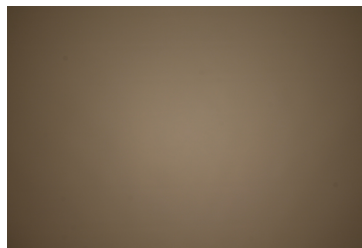
Peak intensity 0.620 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL

Bender Wirth: 433 Typ L1



CITIZEN

LED CLU720/721

FWHM 66.0°

Efficiency 79 %

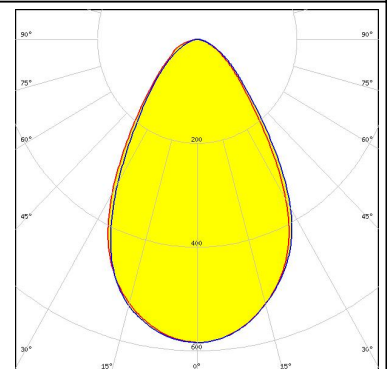
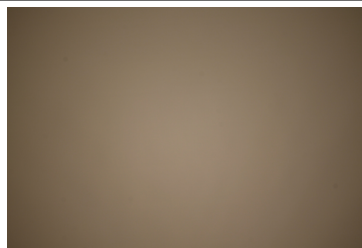
Peak intensity 0.580 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL

Bender Wirth: 433 Typ L1



CITIZEN

LED CLU720/721

FWHM 73.0°

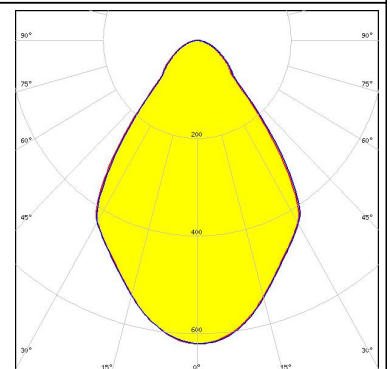
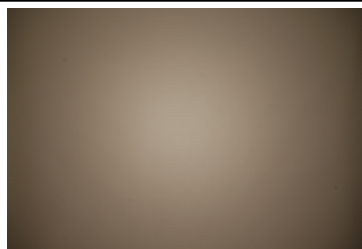
Efficiency 87 %

Peak intensity 0.620 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



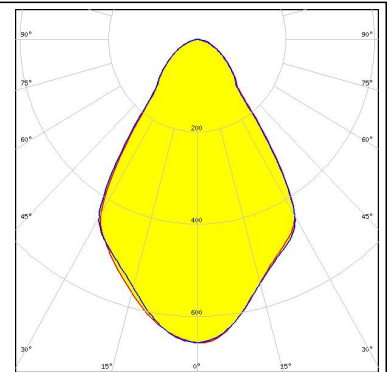
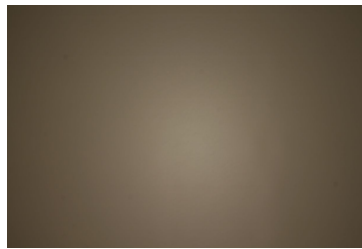
PHOTOMETRIC DATA (MEASURED):



LED CXA/B 15xx
 FWHM 68.0°
 Efficiency 86 %
 Peak intensity 0.660 cd/lm

Required components:

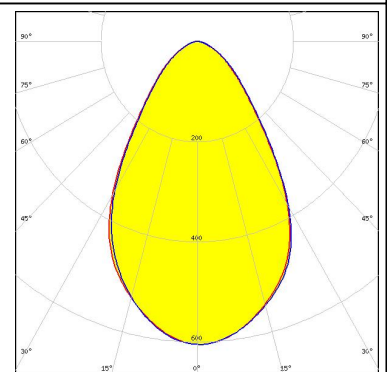
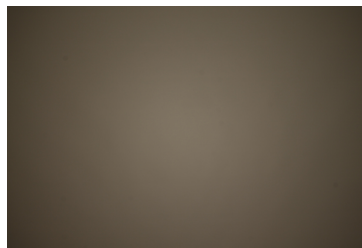
- C13709_PF-SOCKET-VERO13-18
- C13333_MIRELLA-CL
- Bender Wirth: 441 Typ L1



LED CXA/B 15xx
 FWHM 66.0°
 Efficiency 81 %
 Peak intensity 0.610 cd/lm

Required components:

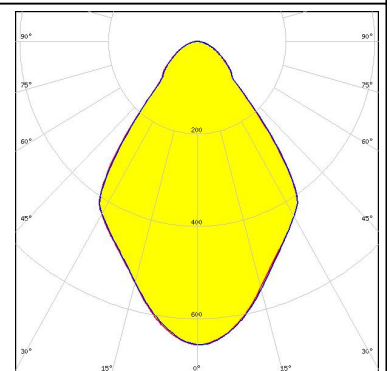
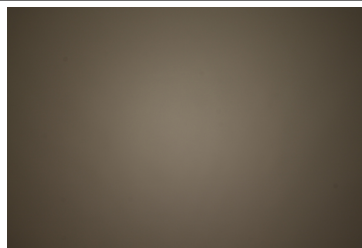
- C13709_PF-SOCKET-VERO13-18
- C12479_MIRELLA-DL
- Bender Wirth: 441 Typ L1



LED CXA/B 15xx
 FWHM 73.0°
 Efficiency 89 %
 Peak intensity 0.660 cd/lm

Required components:

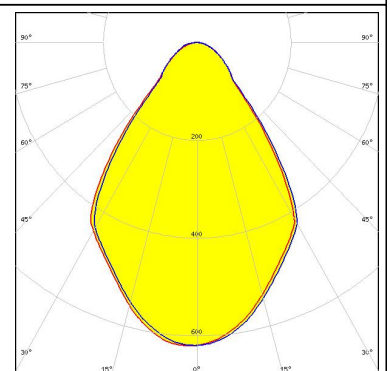
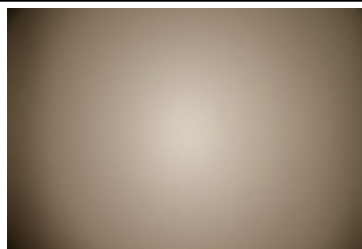
- C13709_PF-SOCKET-VERO13-18
- Bender Wirth: 441 Typ L1



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 73.0°
 Efficiency 89 %
 Peak intensity 0.620 cd/lm

Required components:

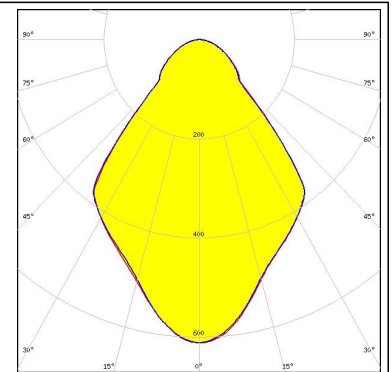
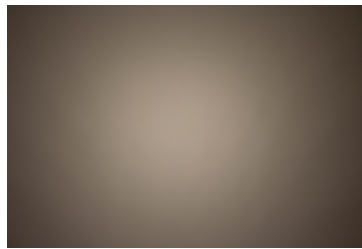
- IDEAL: 50-2101CR + 50-2100MR



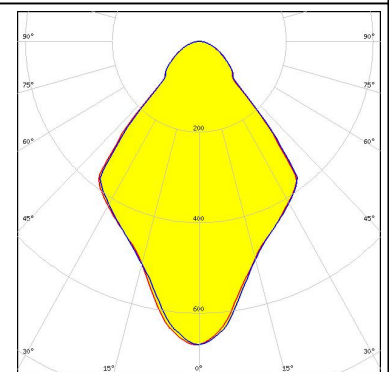
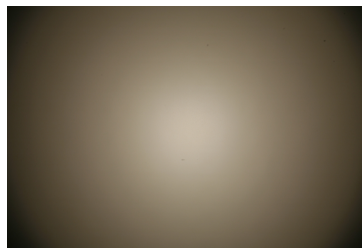
PHOTOMETRIC DATA (MEASURED):



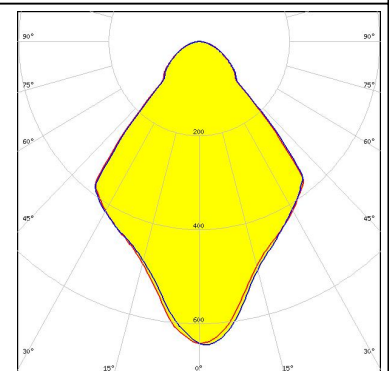
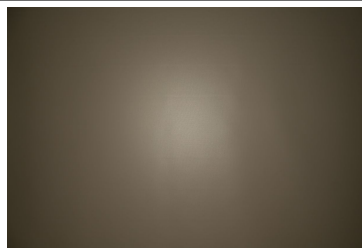
LED MHD-E/G
FWHM 78.0°
Efficiency 93 %
Peak intensity 0.610 cd/lm
Required components:
C13083_PF-SOCKET



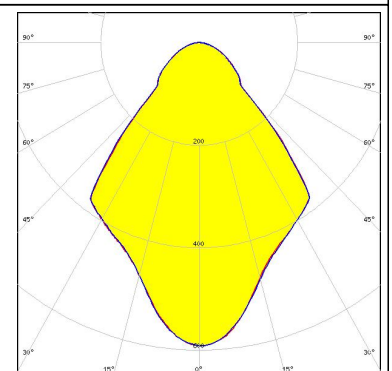
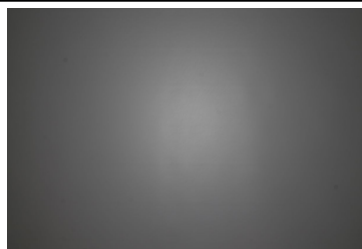
LED MK-R
FWHM 77.0°
Efficiency 90 %
Peak intensity 0.660 cd/lm
Required components:
C13083_PF-SOCKET




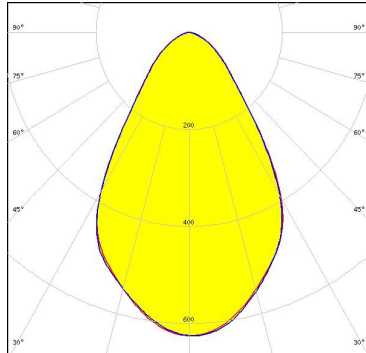
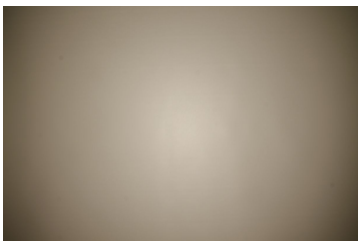
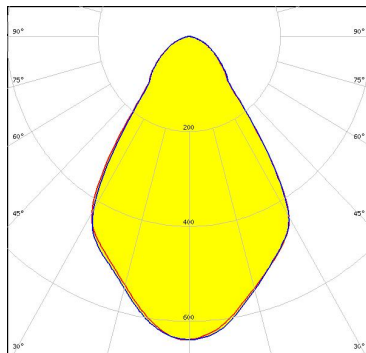
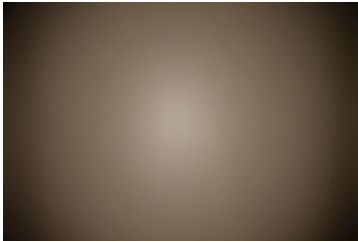
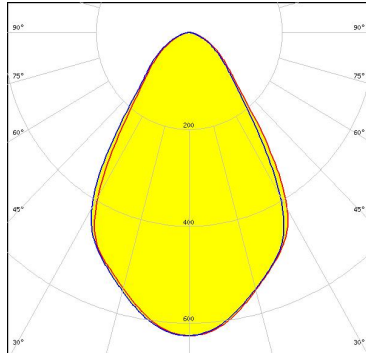

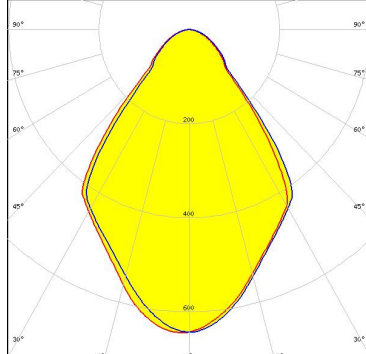
LED XHP50
FWHM 79.0°
Efficiency 92 %
Peak intensity 0.650 cd/lm
Required components:
C13083_PF-SOCKET



LED XHP70
FWHM 79.0°
Efficiency 90 %
Peak intensity 0.590 cd/lm
Required components:
C13083_PF-SOCKET



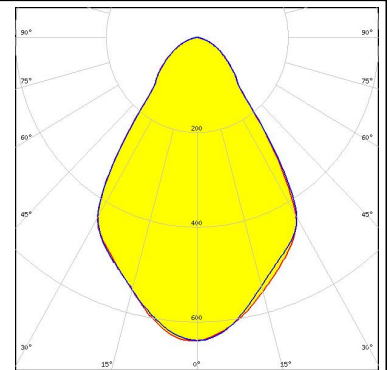
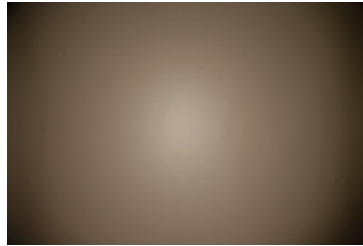
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM 67.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C12479_MIRELLA-DL</p> <p>Bender Wirth: 438 Typ L1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM 69.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C13709_PF-SOCKET-VERO13-18</p> <p>C13333_MIRELLA-CL</p> <p>Bender Wirth: 438 Typ L1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM 68.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>C12479_MIRELLA-DL</p> <p>IDEAL: 50-2100NC +50-2100MR</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1202/1203</p> <p>FWHM 75.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p> <p>IDEAL: 50-2100NC +50-2100MR</p>		

PHOTOMETRIC DATA (MEASURED):

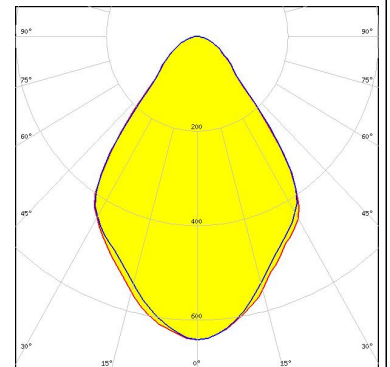
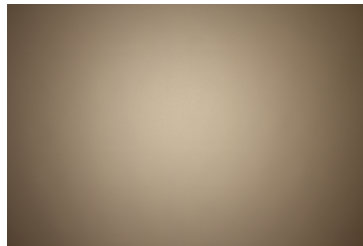
LUMILEDS

LED LUXEON CoB 1202/1203
FWHM 69.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
Required components:
C13333_MIRELLA-CL
IDEAL: 50-2100NC +50-2100MR



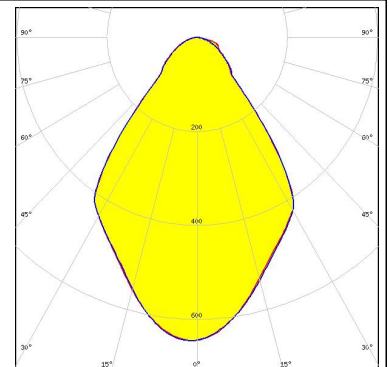
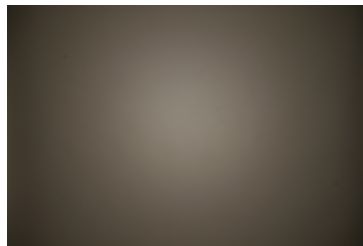
LUMILEDS

LED LUXEON CoB 1202/1203
FWHM 76.0°
Efficiency 92 %
Peak intensity 0.640 cd/lm
Required components:
C14037_PF-NSX-SOCKET



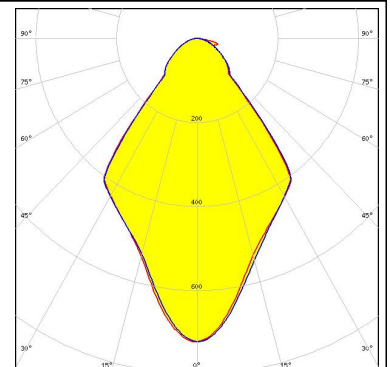
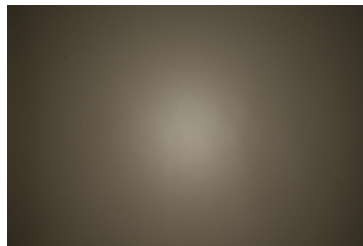
LUMILEDS

LED LUXEON CoB 1202/1203
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 438 Typ L1



LUMILEDS

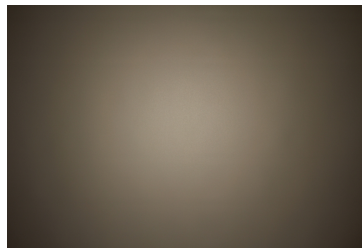
LED LUXEON CoB 1202s
FWHM 73.0°
Efficiency 91 %
Peak intensity 0.720 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1



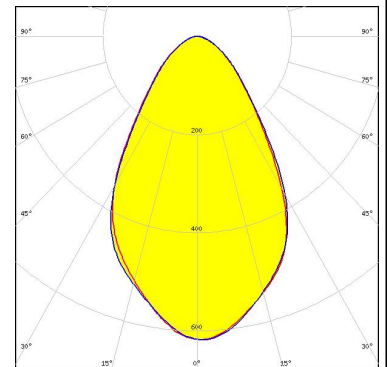
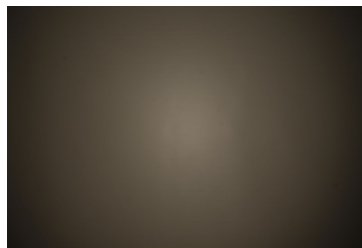
PHOTOMETRIC DATA (MEASURED):



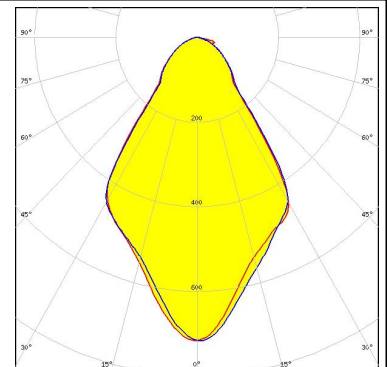
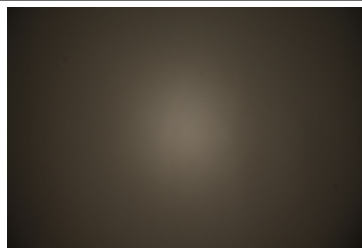
LED LUXEON CoB 1202s
FWHM 78.0°
Efficiency 94 %
Peak intensity 0.700 cd/lm
Required components:
C13761_PF-SOCKET-CXA15



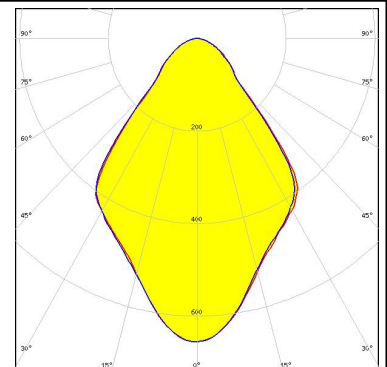
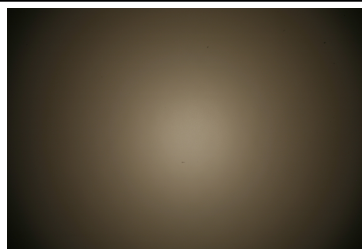
LED LUXEON CoB 1202s
FWHM 65.0°
Efficiency 82 %
Peak intensity 0.620 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1



LED LUXEON CoB 1202s
FWHM 67.0°
Efficiency 86 %
Peak intensity 0.720 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1



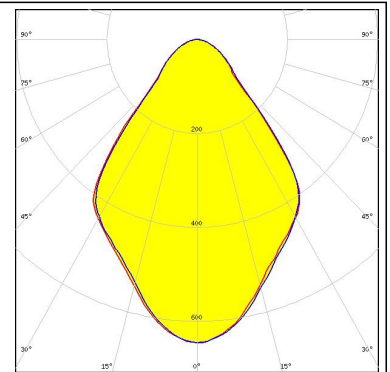
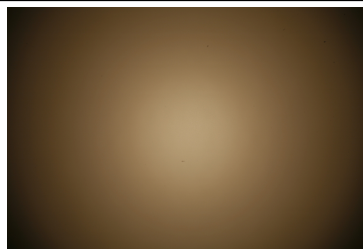
LED CXM-6
FWHM 77.0°
Efficiency 91 %
Peak intensity 0.660 cd/lm
Required components:
C13083_PF-SOCKET



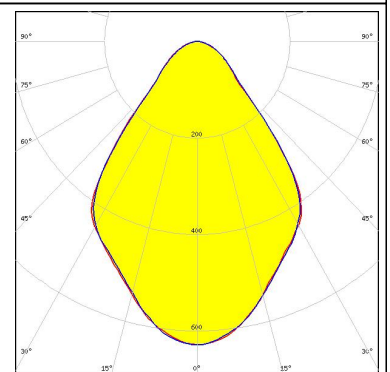
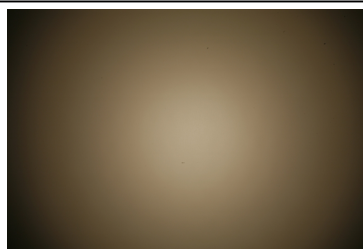
PHOTOMETRIC DATA (MEASURED):



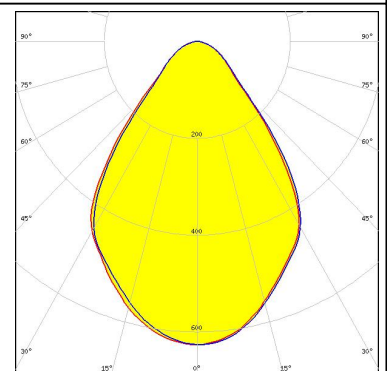
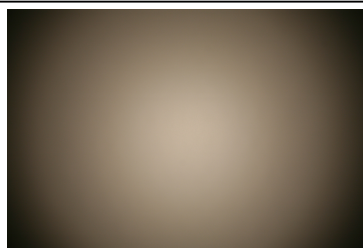
LED CXM-7
 FWHM 77.0°
 Efficiency 92 %
 Peak intensity 0.650 cd/lm
 Required components:
 C13083_PF-SOCKET



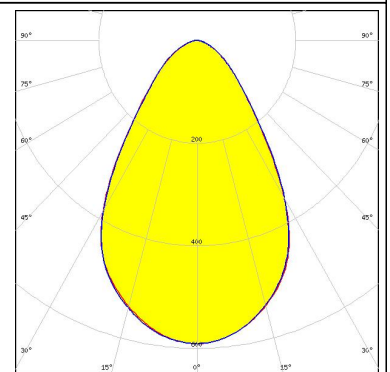
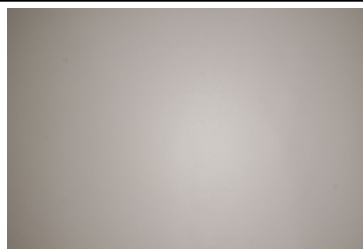
LED CXM-9
 FWHM 77.0°
 Efficiency 92 %
 Peak intensity 0.600 cd/lm
 Required components:
 C13083_PF-SOCKET




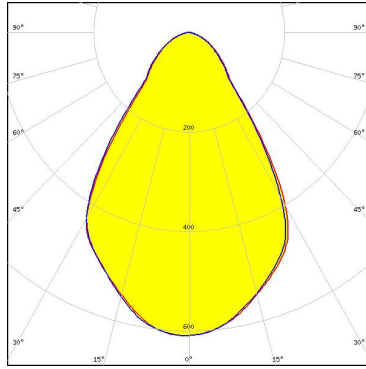
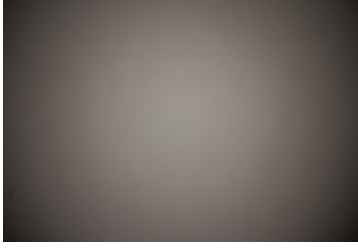
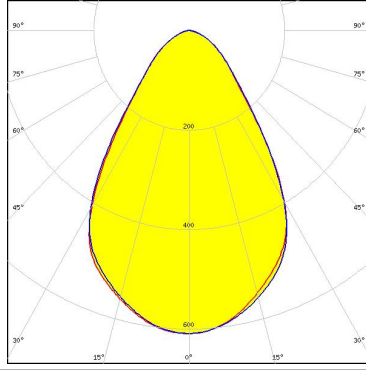
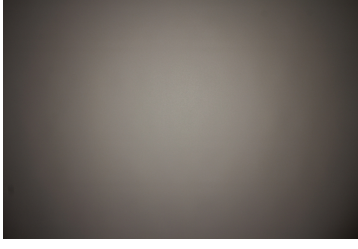
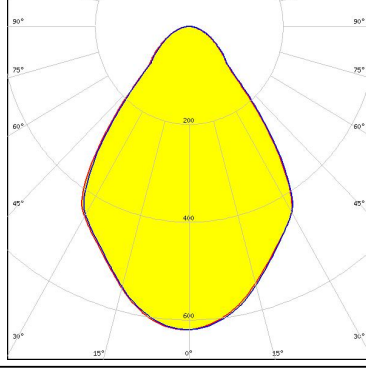

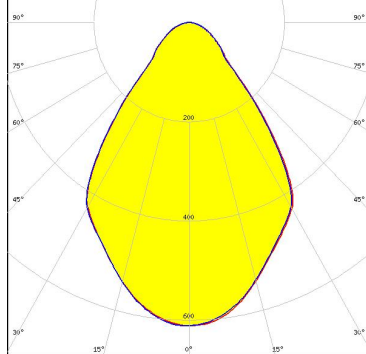
LED COB L-Type (LES 11)
 FWHM 75.0°
 Efficiency 92 %
 Peak intensity 0.630 cd/lm
 Required components:
 C14037_PF-NSX-SOCKET



LED COB L-Type (LES 11)
 FWHM 67.0°
 Efficiency 82 %
 Peak intensity 0.590 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



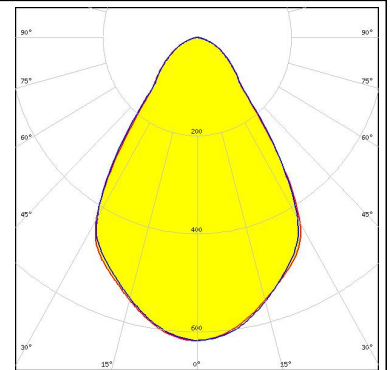
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 69.0° Efficiency 83 % Peak intensity 0.610 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 C13333_MIRELLA-CL Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 69.0° Efficiency 87 % Peak intensity 0.600 cd/lm Required components: C12479_MIRELLA-DL IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 75.0° Efficiency 92 % Peak intensity 0.600 cd/lm Required components: IDEAL: 50-2100NC +50-2100MR</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 73.0° Efficiency 88 % Peak intensity 0.610 cd/lm Required components: C13709_PF-SOCKET-VERO13-18 Bender Wirth: 438 Typ L1</p>		

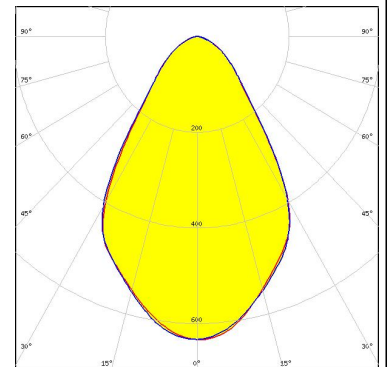
PHOTOMETRIC DATA (MEASURED):



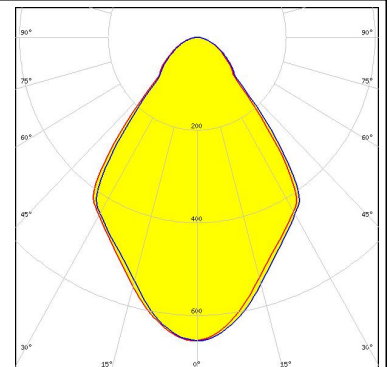
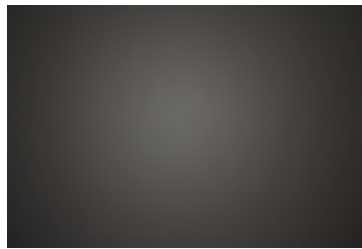
LED COB L-Type (LES 11)
FWHM 70.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
Required components:
C13333_MIRELLA-CL
IDEAL: 50-2100NC +50-2100MR



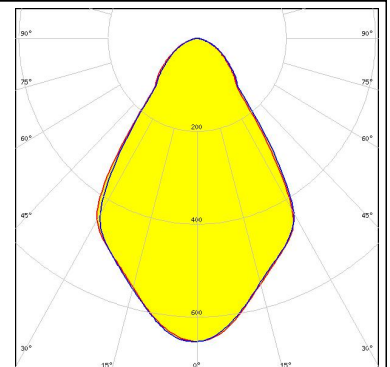
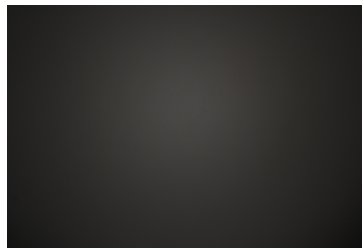
LED COB L-Type (LES 9)
FWHM 67.0°
Efficiency 85 %
Peak intensity 0.600 cd/lm
Required components:
C12479_MIRELLA-DL
IDEAL: 50-2100NC +50-2100MR



LED COB L-Type (LES 9)
FWHM 75.0°
Efficiency 93 %
Peak intensity 0.700 cd/lm
Required components:
IDEAL: 50-2100NC +50-2100MR



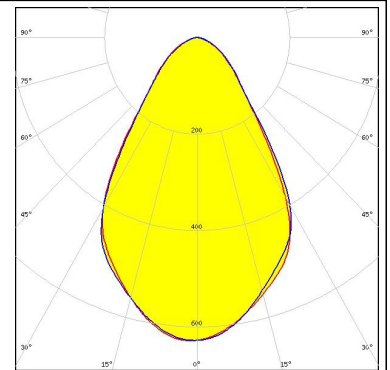
LED COB L-Type (LES 9)
FWHM 69.0°
Efficiency 86 %
Peak intensity 0.700 cd/lm
Required components:
C13333_MIRELLA-CL
IDEAL: 50-2100NC +50-2100MR



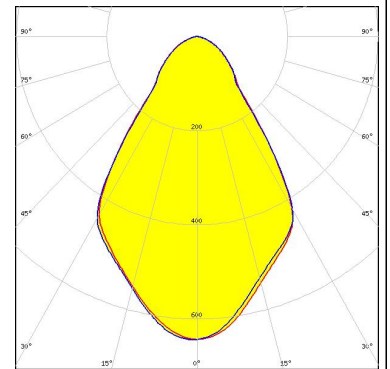
PHOTOMETRIC DATA (MEASURED):



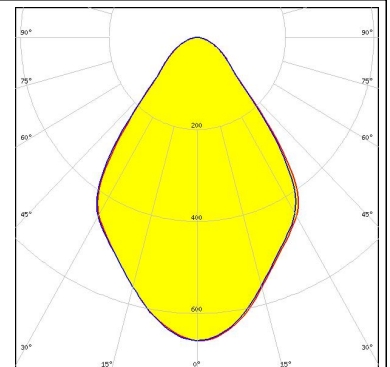
LED COB L-Type (LES 9)
 FWHM 67.0°
 Efficiency 85 %
 Peak intensity 0.630 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C12479_MIRELLA-DL
 Bender Wirth: 438 Typ L1



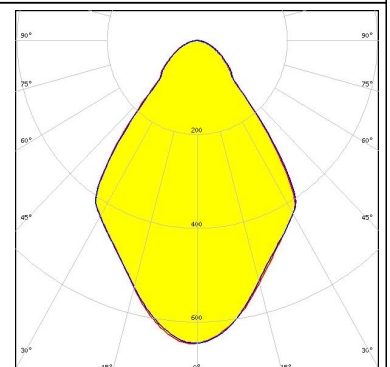
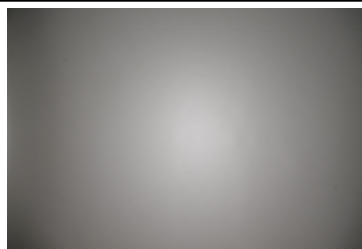
LED COB L-Type (LES 9)
 FWHM 68.0°
 Efficiency 85 %
 Peak intensity 0.640 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 C13333_MIRELLA-CL
 Bender Wirth: 438 Typ L1




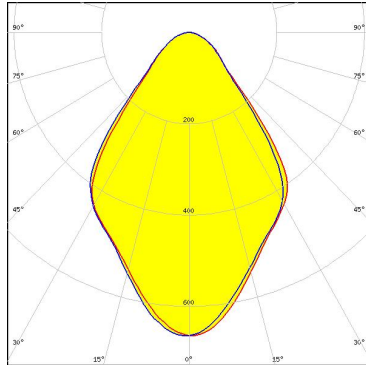
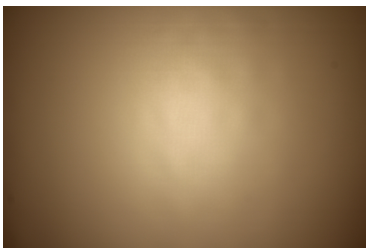


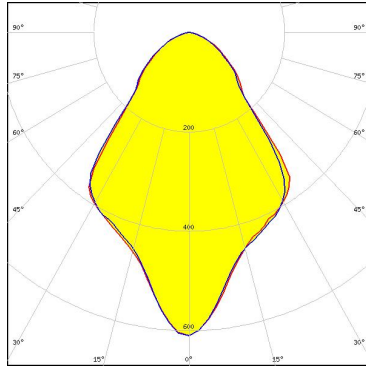
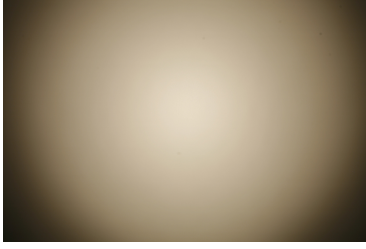
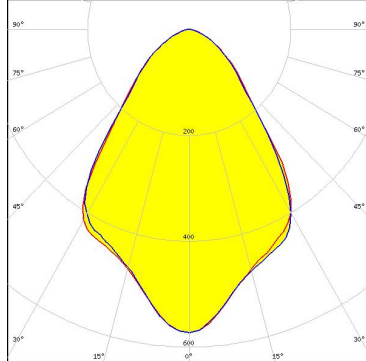
LED COB L-Type (LES 9)
 FWHM 75.0°
 Efficiency 93 %
 Peak intensity 0.660 cd/lm
 Required components:
 C14037_PF-NSX-SOCKET



LED COB L-Type (LES 9)
 FWHM 74.0°
 Efficiency 89 %
 Peak intensity 0.650 cd/lm
 Required components:
 C13709_PF-SOCKET-VERO13-18
 Bender Wirth: 438 Typ L1



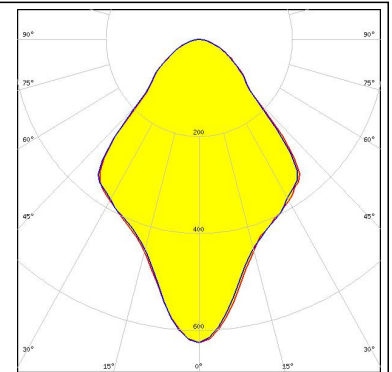
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NSCxL036A FWHM 75.0° Efficiency 92 % Peak intensity 0.650 cd/lm Required components: C14037_PF-NSX-SOCKET</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S10 FWHM 79.0° Efficiency 93 % Peak intensity 0.700 cd/lm Required components: C13083_PF-SOCKET</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM 76.0° Efficiency 86 % Peak intensity 0.600 cd/lm Required components: C13708_PF-SOCKET-VERO10 C13333_MIRELLA-CL</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S8 FWHM 75.0° Efficiency 85 % Peak intensity 0.600 cd/lm Required components: C13708_PF-SOCKET-VERO10 C12479_MIRELLA-DL</p>		

PHOTOMETRIC DATA (MEASURED):

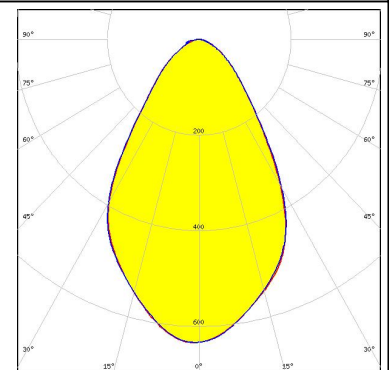
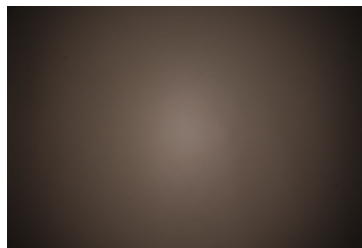
OSRAM
Opto Semiconductors

LED Ostar Lighting+
FWHM 81.0°
Efficiency 91 %
Peak intensity 0.600 cd/lm
Required components:
C13708_PF-SOCKET-VERO10



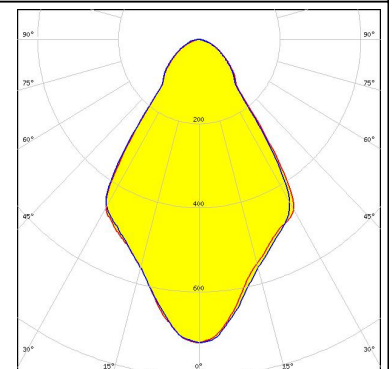
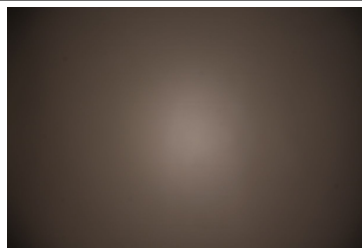
OSRAM
Opto Semiconductors

LED Soleriq P6
FWHM 66.0°
Efficiency 83 %
Peak intensity 0.630 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 446 Typ L1



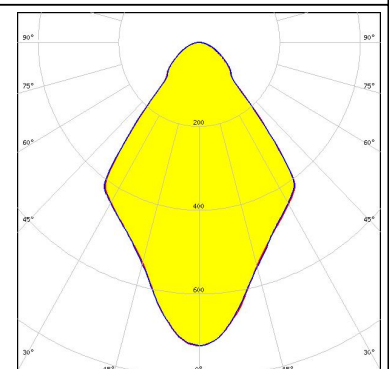
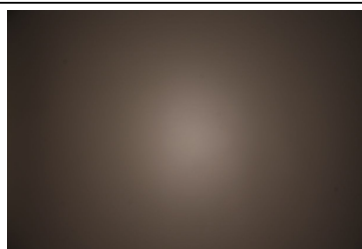
OSRAM
Opto Semiconductors

LED Soleriq P6
FWHM 68.0°
Efficiency 87 %
Peak intensity 0.720 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 446 Typ L1



OSRAM
Opto Semiconductors

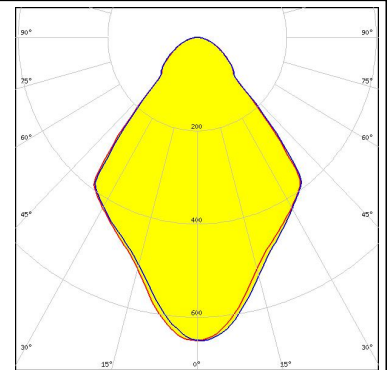
LED Soleriq P6
FWHM 73.0°
Efficiency 92 %
Peak intensity 0.720 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 446 Typ L1



PHOTOMETRIC DATA (MEASURED):

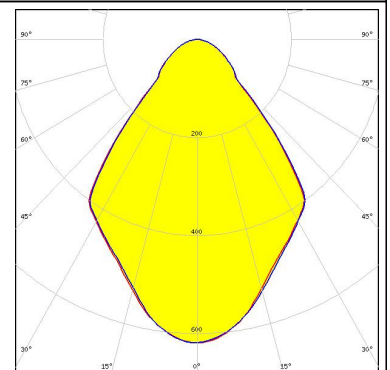
OSRAM
Opto Semiconductors

LED Soleriq P6
FWHM 77.0°
Efficiency 92 %
Peak intensity 0.700 cd/lm
Required components:
C13761_PF-SOCKET-CXA15



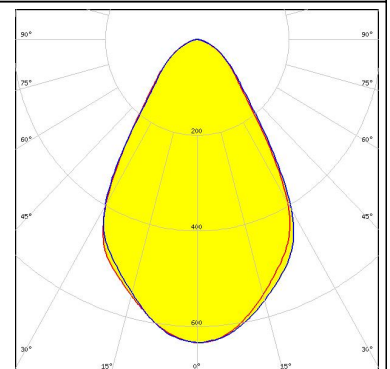
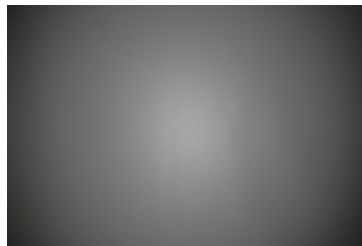
OSRAM
Opto Semiconductors

LED Soleriq P9
FWHM 78.0°
Efficiency 93 %
Peak intensity 0.600 cd/lm
Required components:
C13761_PF-SOCKET-CXA15



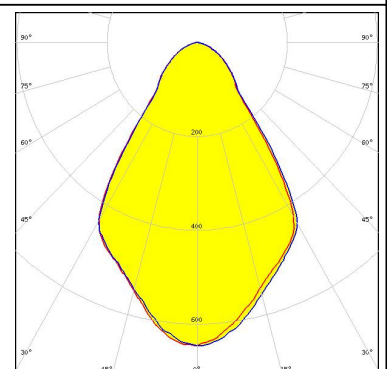
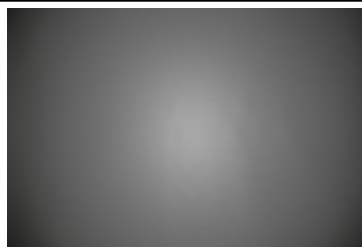
OSRAM
Opto Semiconductors

LED Soleriq P9
FWHM 67.0°
Efficiency 85 %
Peak intensity 0.630 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 461 Typ L1



OSRAM
Opto Semiconductors

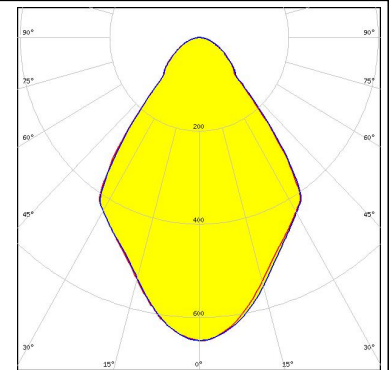
LED Soleriq P9
FWHM 69.0°
Efficiency 85 %
Peak intensity 0.650 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 461 Typ L1



PHOTOMETRIC DATA (MEASURED):

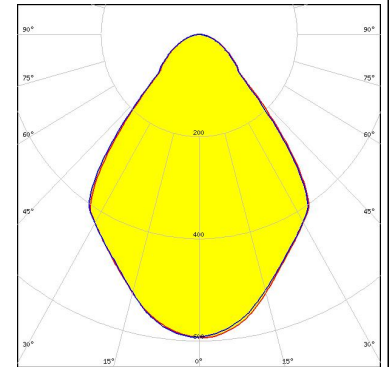
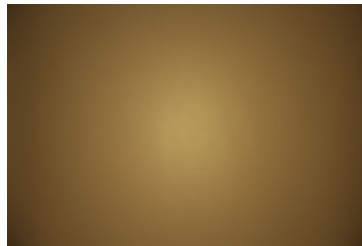
OSRAM
Opto Semiconductors

LED Soleriq P9
FWHM 74.0°
Efficiency 90 %
Peak intensity 0.650 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 461 Typ L1



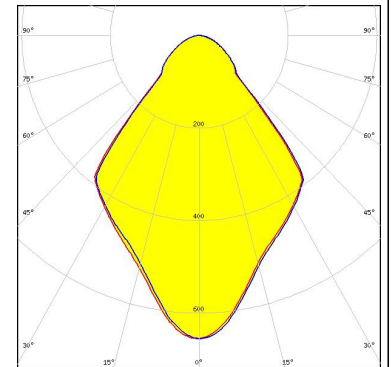
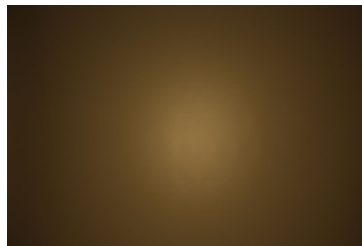
TRIDONIC

LED SLE G5 LES11
FWHM 78.0°
Efficiency 92 %
Peak intensity 0.550 cd/lm
Required components:
C13083_PF-SOCKET



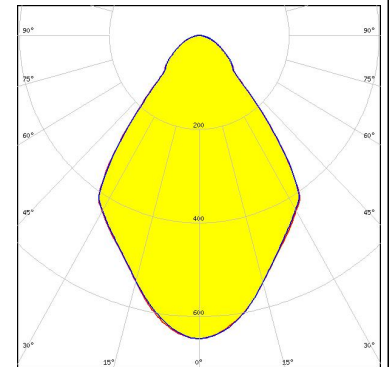
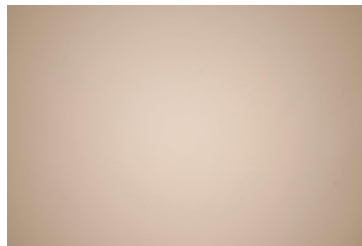
TRIDONIC

LED SLE G5 LES6
FWHM 79.0°
Efficiency 93 %
Peak intensity 0.660 cd/lm
Required components:
C13083_PF-SOCKET



XICATO

LED XTM - 9mm LES
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm
Required components:
C14636_XTM-PF-ADAPTER



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB Compact
FWHM 65.0°
Efficiency 82 %
Peak intensity 0.620 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM 73.0°
Efficiency 91 %
Peak intensity 0.720 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM 67.0°
Efficiency 86 %
Peak intensity 0.720 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

LUMILEDS

LED LUXEON CoB Compact
FWHM 78.0°
Efficiency 94 %
Peak intensity 0.700 cd/lm
Required components:
C13761_PF-SOCKET-CXA15

PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED CXM-14
FWHM 74.0°
Efficiency 82 %
Peak intensity 0.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1

LUMINUS

LED CXM-14
FWHM 69.0°
Efficiency 78 %
Peak intensity 0.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 433 Typ L1

LUMINUS

LED CXM-14
FWHM 67.0°
Efficiency 76 %
Peak intensity 0.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 433 Typ L1

LUMINUS

LED CXM-9
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED CXM-9
FWHM 68.0°
Efficiency 85 %
Peak intensity 0.650 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1

LUMINUS

LED CXM-9
FWHM 67.0°
Efficiency 80 %
Peak intensity 0.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1

NICHIA

LED COB S-Type (LES 7)
FWHM 73.0°
Efficiency 91 %
Peak intensity 0.720 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 452 Typ L1

NICHIA

LED COB S-Type (LES 7)
FWHM 67.0°
Efficiency 86 %
Peak intensity 0.720 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 452 Typ L1

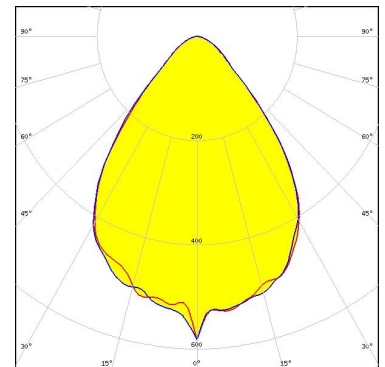
PHOTOMETRIC DATA (SIMULATED):



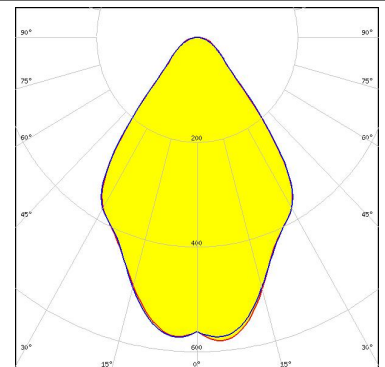
LED COB S-Type (LES 7)
FWHM 65.0°
Efficiency 82 %
Peak intensity 0.620 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 452 Typ L1



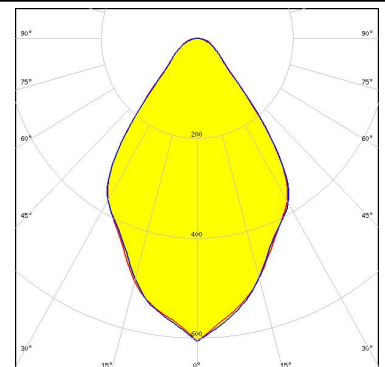
LED Soleriq S15
FWHM 76.0°
Efficiency 83 %
Peak intensity 0.580 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 433 Typ L1



LED LC010C
FWHM 72.0°
Efficiency 78 %
Peak intensity 0.580 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1



LED LC020C
FWHM 71.0°
Efficiency 77 %
Peak intensity 0.610 cd/lm
Required components:
C13709_PF-SOCKET-VERO13-18
Bender Wirth: 479 Typ L1



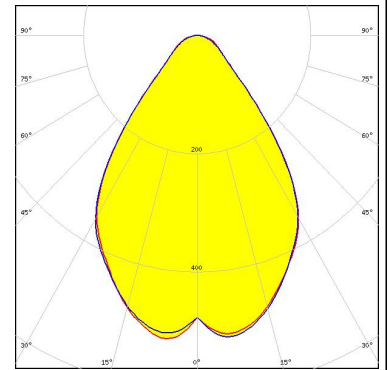
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC040C
FWHM 73.0°
Efficiency 74 %
Peak intensity 0.520 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 480 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.650 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 68.0°
Efficiency 85 %
Peak intensity 0.650 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C13333_MIRELLA-CL
Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 67.0°
Efficiency 80 %
Peak intensity 0.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18
C12479_MIRELLA-DL
Bender Wirth: 434 Typ L1

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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