

LENINA-XW

White version with ~75° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 74.0 mm
Height	40 mm
Fastening	socket
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material
LENINA-XW	Reflector	HRPC



Colour	Finish	Coating
white		

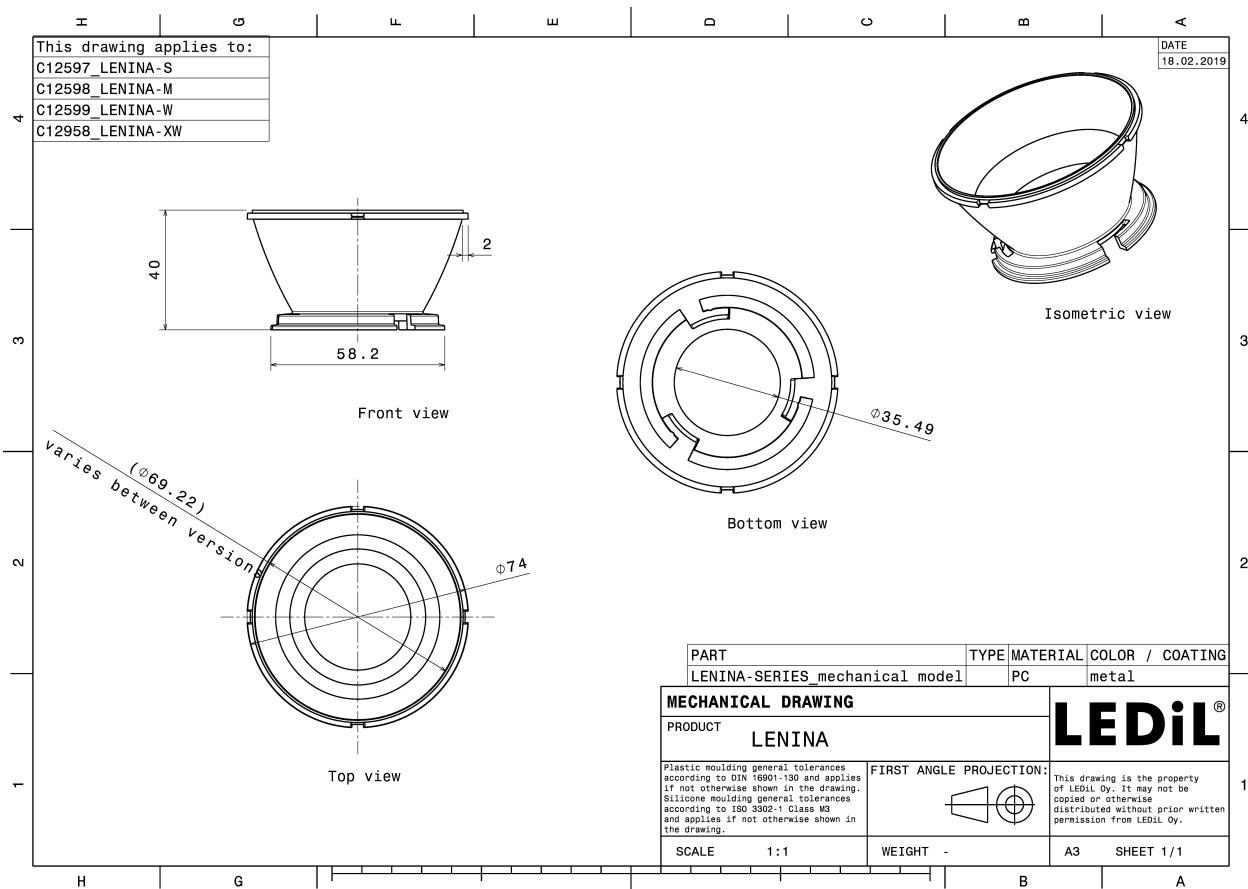
ORDERING INFORMATION:

Component

C12958_LENINA-XW

» Box size: 476 x 273 x 197 mm

Qty in box	MOQ	MPQ	Box weight (kg)
60	120	60	2.0

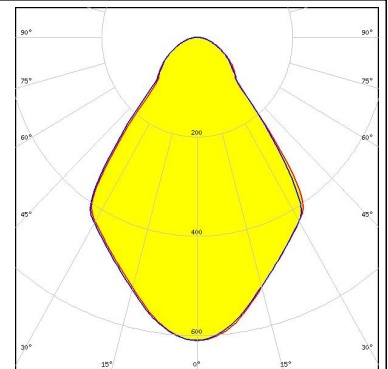


See also our general installation guide: www.ledil.com/installation_guide

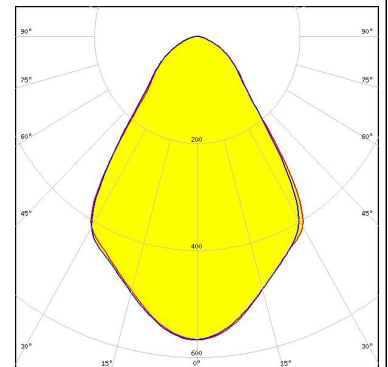
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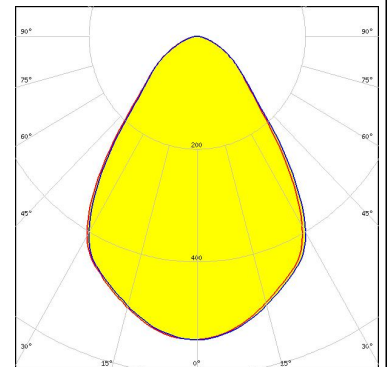
LED BXRA ES Rectangle
FWHM / FWTM 74.0° / 124.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12153_LENINA-STD-BASE-BXRA



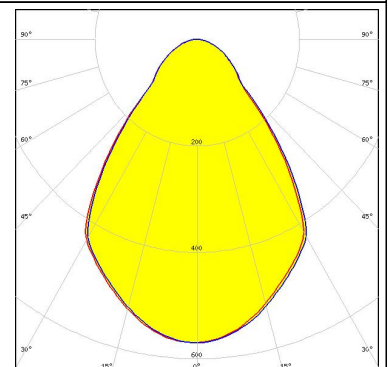
LED BXRA ES Rectangle
FWHM / FWTM 73.0° / 125.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12153_LENINA-STD-BASE-BXRA
C12606_LENINA-DL



LED BXRA RS
FWHM / FWTM 87.0° / 128.0°
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12229_LENINA-STD-BASE-RS
C12606_LENINA-DL



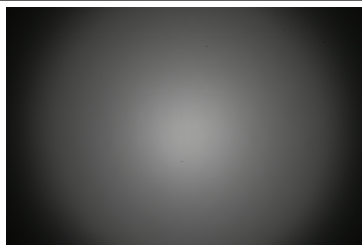
LED BXRA RS
FWHM / FWTM 76.0° / 128.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12229_LENINA-STD-BASE-RS



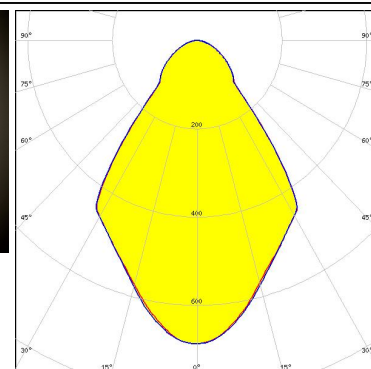
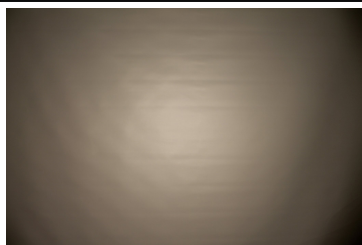
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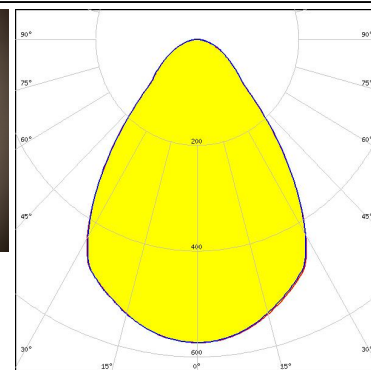
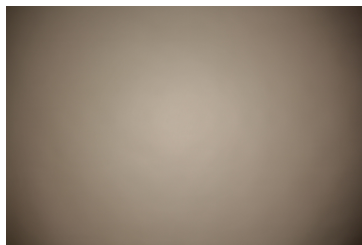
LED V10 Gen6
FWHM / FWTM 69.0° / 124.0°
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13186_LENINA-STD-BASE-CXA15
C12606_LENINA-DL



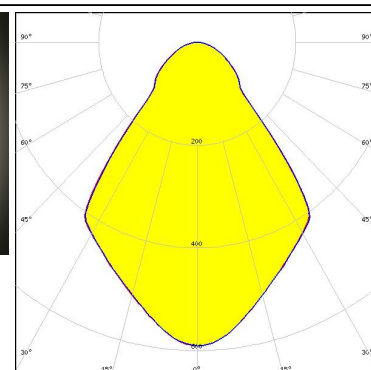
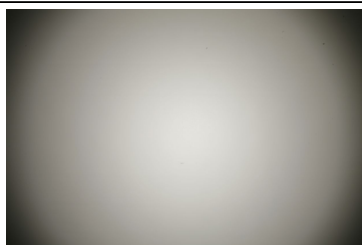
LED V4 HD Gen 7
FWHM / FWTM 71.0° / 120.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14146_LENINA-STD-BASE-CXA18



LED Vero SE 29
FWHM / FWTM 76.0° / 127.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15083_LENINA-STD-BASE-VERO29



LED VERO13
FWHM / FWTM 76.0° / 128.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENINA-STD-BASE-VERO13-18



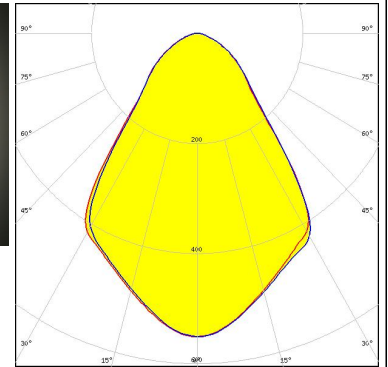
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LED VERO13
FWHM / FWTM 75.0° / 127.0°
Efficiency 87 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

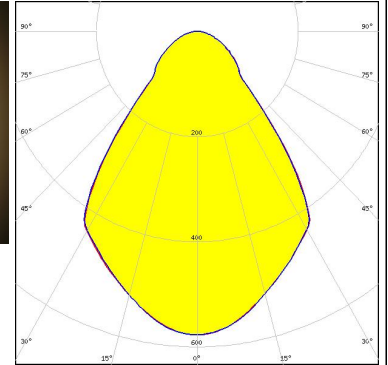
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL



LED VERO18
FWHM / FWTM 76.0° / 128.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

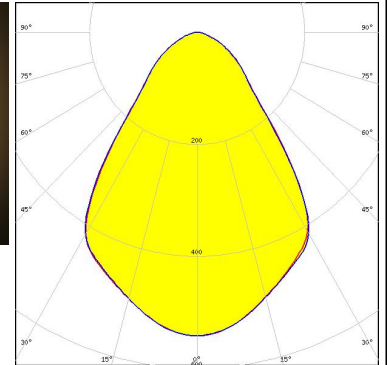
C13868_LENINA-STD-BASE-VERO13-18



LED VERO18
FWHM / FWTM 75.0° / 128.0°
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:

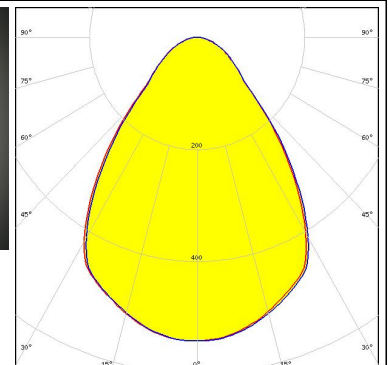
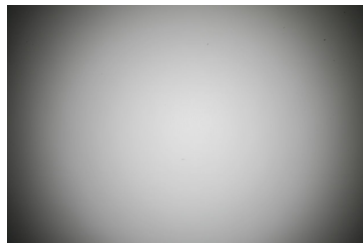
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL



LED VERO29
FWHM / FWTM 77.0° / 130.0°
Efficiency 91 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:

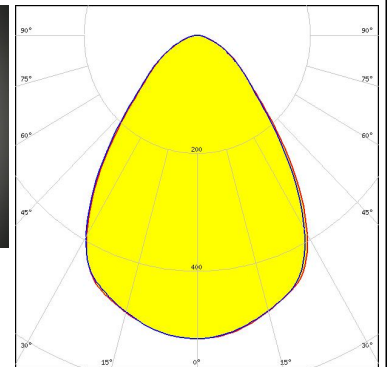
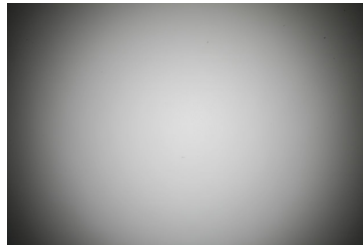
C13867_LENINA-STD-BASE-VERO29



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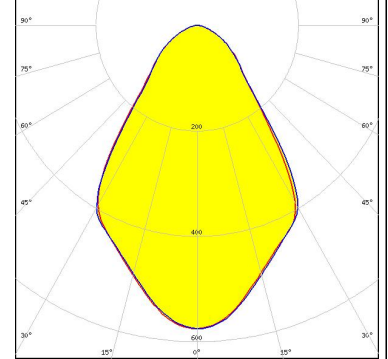


LED VERO29
 FWHM / FWTM 77.0° / 129.0°
 Efficiency 87 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL



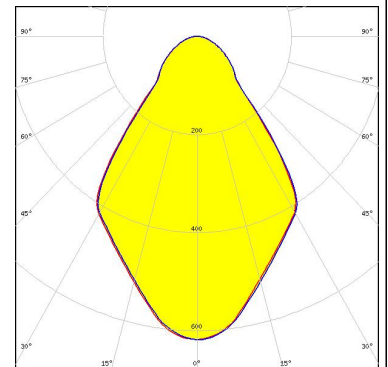
CITIZEN

LED CL-L340
 FWHM / FWTM 71.0° / 123.5°
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11995_LENINA-STD-BASE-CL340
 C12606_LENINA-DL



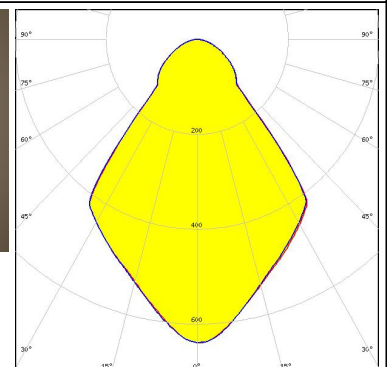
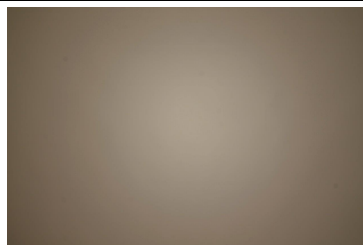
CITIZEN

LED CL-L340
 FWHM / FWTM 72.0° / 122.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11995_LENINA-STD-BASE-CL340



CITIZEN

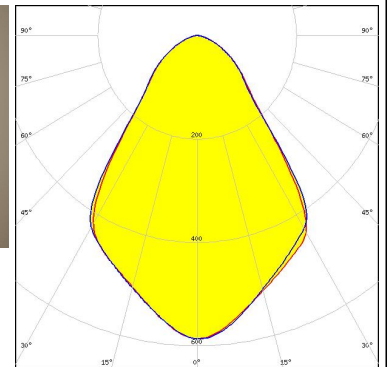
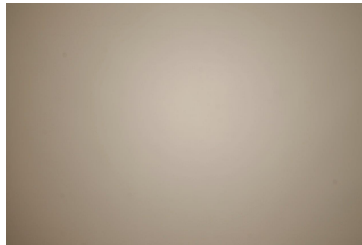
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

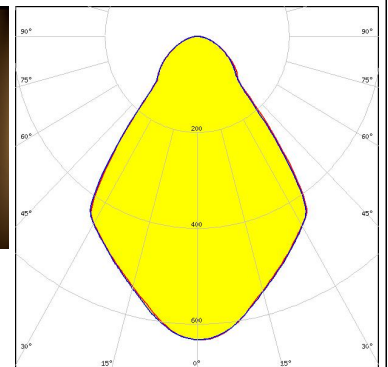
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 434 Typ L1



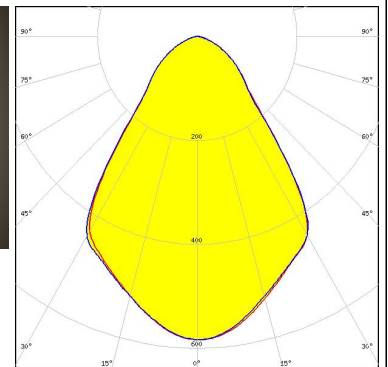
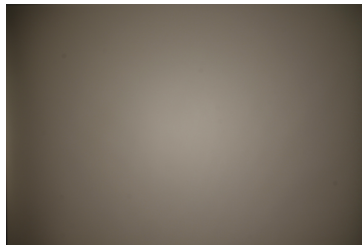
CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 74.0° / 124.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12691_LENASTD-BASE-CLL030



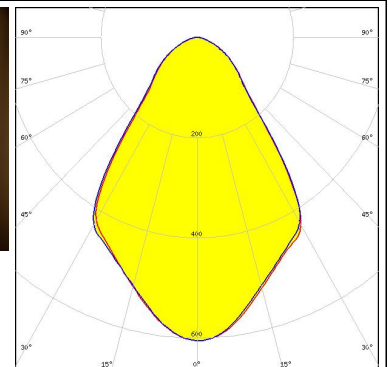
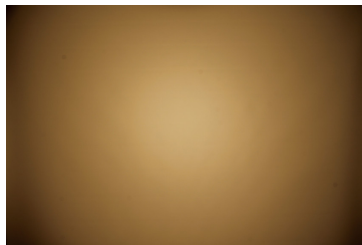
CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 74.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 433 Typ L1



CITIZEN

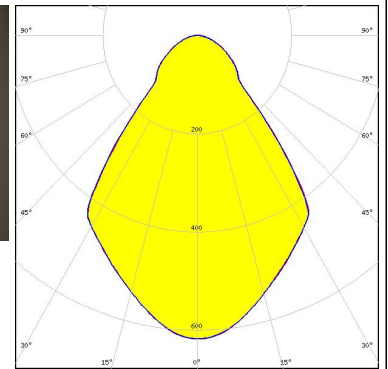
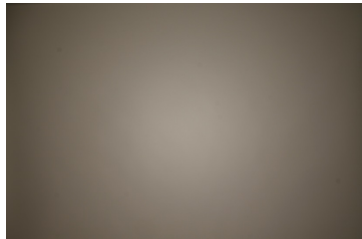
LED CLL03x/CLU03x
 FWHM / FWTM 72.0° / 125.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12691_LENASTD-BASE-CLL030
 C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 75.0° / 126.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENASTD-BASE-VERO13-18
Bender Wirth: 433 Typ L1



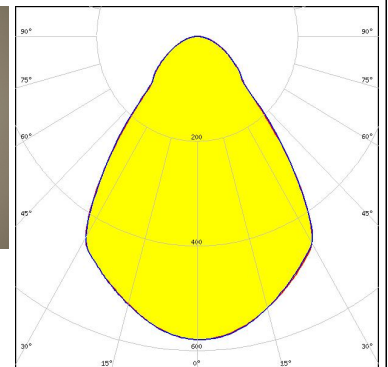
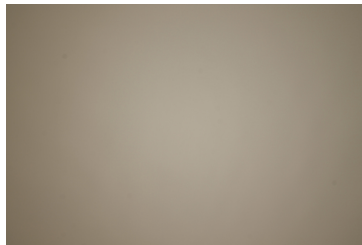
CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 71.0° / 124.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENASTD-BASE-CLL040
C12606_LENINA-DL



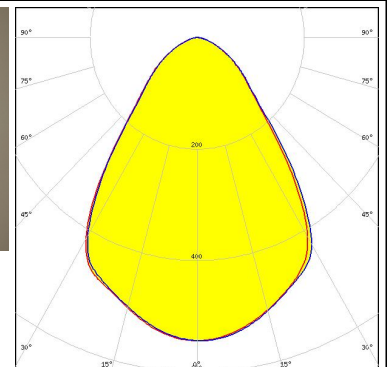
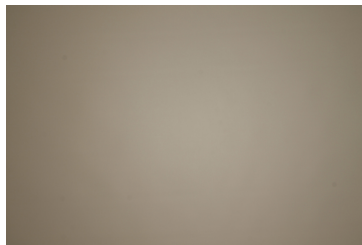
CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 75.0° / 127.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENASTD-BASE-VERO29
Bender Wirth: 431 Typ L3



CITIZEN

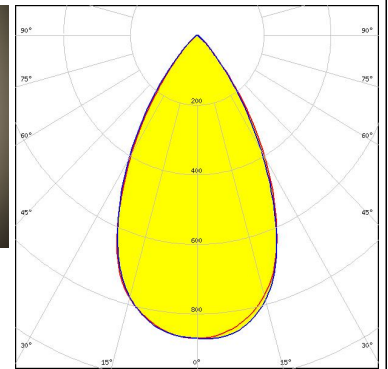
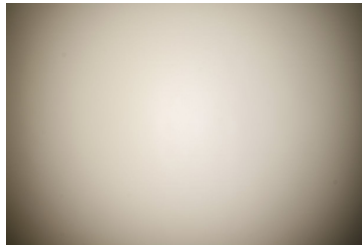
LED CLL04x/CLU04x
FWHM / FWTM 75.0° / 127.0°
Efficiency 89 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENASTD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 431 Typ L3



PHOTOMETRIC DATA (MEASURED):

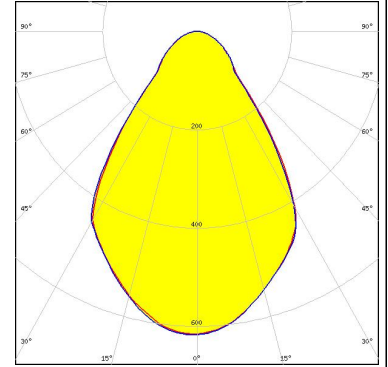
CITIZEN

LED CLL04x/CLU04x
 FWHM / FWTM 73.0° / 126.0°
 Efficiency 81 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12606_LENINA-DL
 A.A.G. STUCCHI: 8102-G2 + S-8000-12



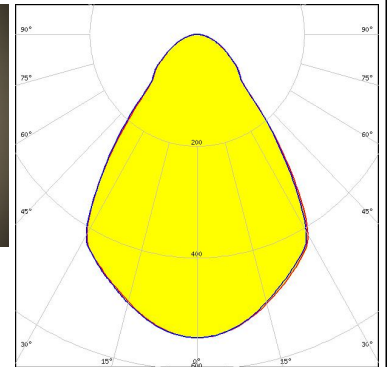
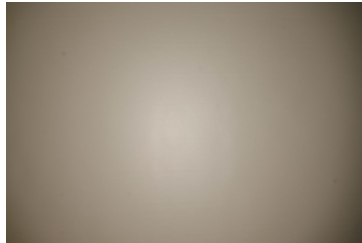
CITIZEN

LED CLL04x/CLU04x
 FWHM / FWTM 71.0° / 122.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENINA-STD-BASE-CLL040



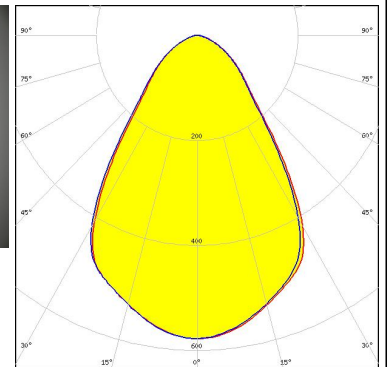
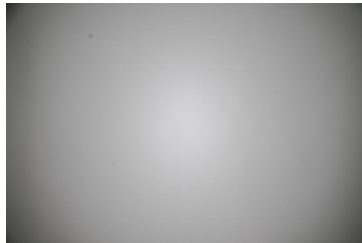
CITIZEN

LED CLL04x/CLU04x
 FWHM / FWTM 74.0° / 126.0°
 Efficiency 84 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8102-G2 + S-8000-12



CITIZEN

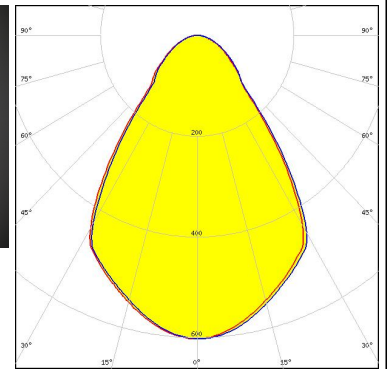
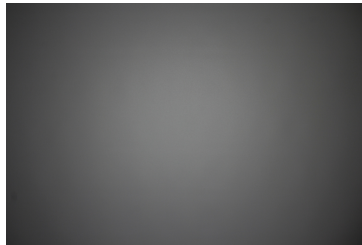
LED CLL04x/CLU04x
 FWHM / FWTM 71.0° / 124.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12606_LENINA-DL
 IDEAL: 50-2204CT + 50-2100LN



PHOTOMETRIC DATA (MEASURED):

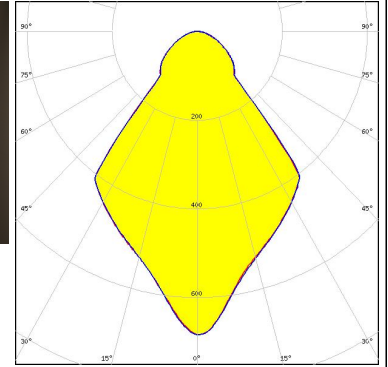
CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 72.0° / 124.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204CT + 50-2100LN



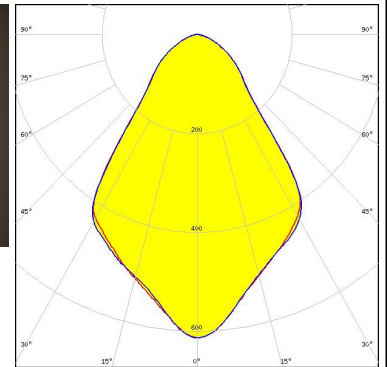
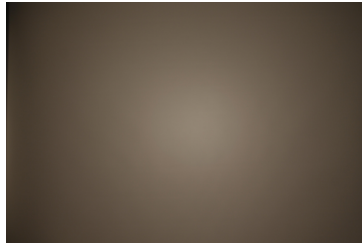
CITIZEN

LED CLU700/701/702
FWHM / FWTM 75.0° / 122.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENASTD-BASE-VERO13-18
Bender Wirth: 434 Typ L1



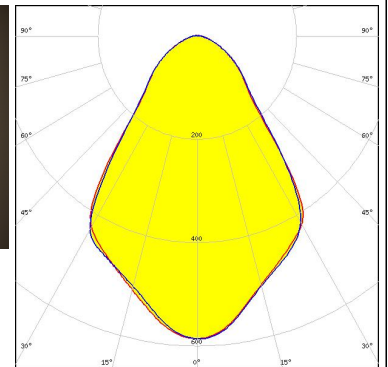
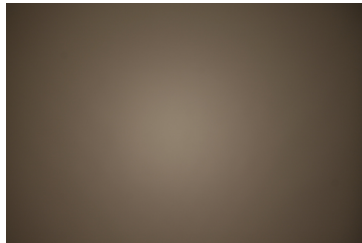
CITIZEN

LED CLU700/701/702
FWHM / FWTM 73.0° / 124.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENASTD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 434 Typ L1



CITIZEN

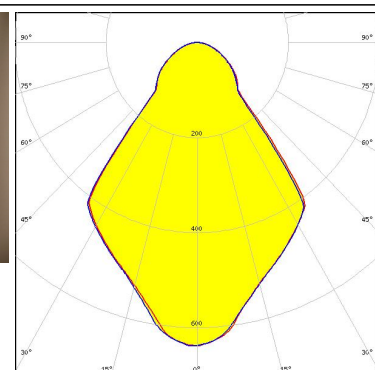
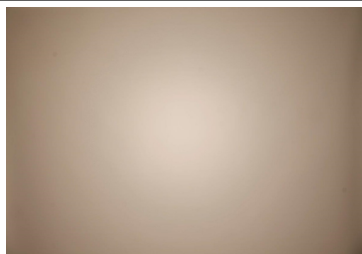
LED CLU710/711
FWHM / FWTM 73.0° / 127.0°
Efficiency 90 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENASTD-BASE-CLL030
C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

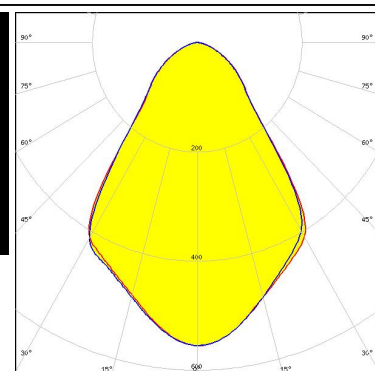
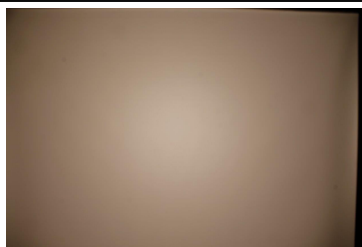
CITIZEN

LED CLU710/711
FWHM / FWTM 75.0° / 127.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENINA-STD-BASE-CLL030



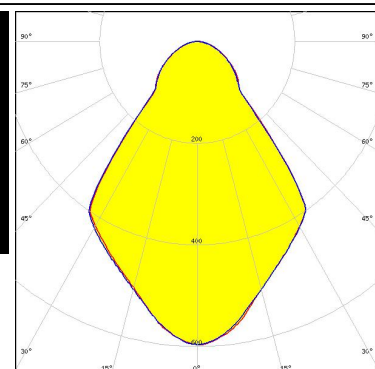
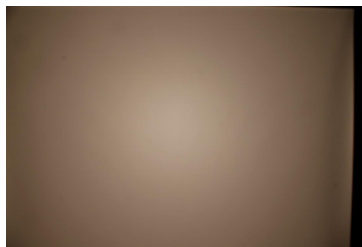
CITIZEN

LED CLU720/721
FWHM / FWTM 73.0° / 127.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



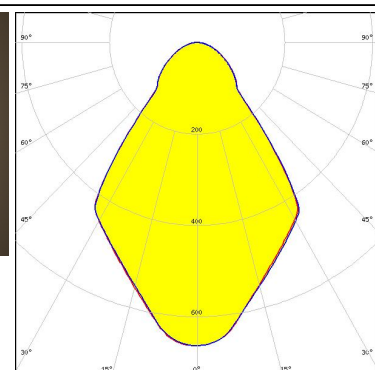
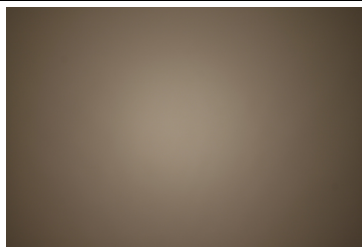
CITIZEN

LED CLU720/721
FWHM / FWTM 74.0° / 127.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENINA-STD-BASE-CLL030



CITIZEN

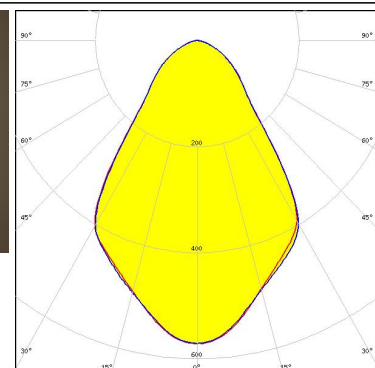
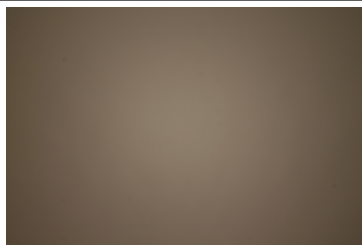
LED CLU730/731
FWHM / FWTM 72.0° / 124.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENINA-STD-BASE-CLL040



PHOTOMETRIC DATA (MEASURED):

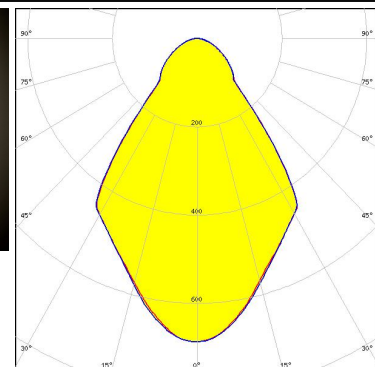
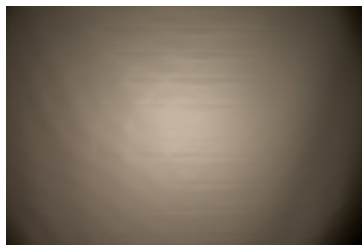
CITIZEN

LED CLU730/731
 FWHM / FWTM 71.0° / 125.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENASTD-BASE-CLL040
 C12606_LENINA-DL



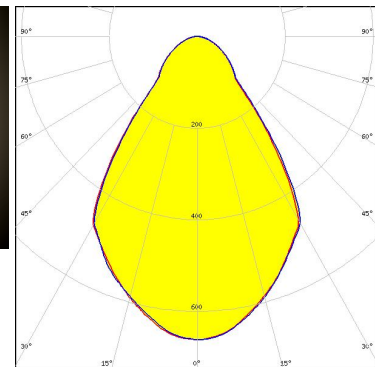
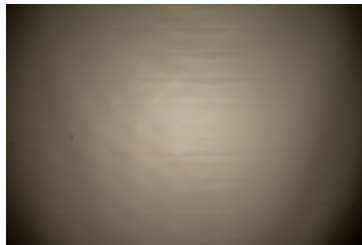
CREE LED

LED CMA1840
 FWHM / FWTM 71.0° / 120.0°
 Efficiency 93 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14146_LENASTD-BASE-CXA18



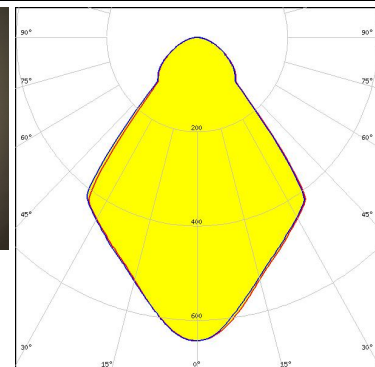
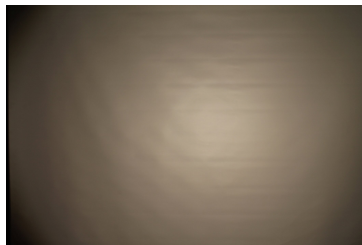
CREE LED

LED CMA2550
 FWHM / FWTM 71.0° / 121.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13324_LENASTD-BASE-CXA25



CREE LED

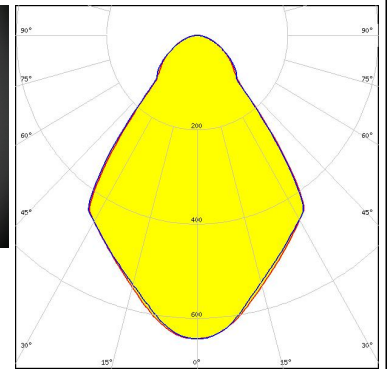
LED CMT14xx
 FWHM / FWTM 75.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 Bender Wirth: 434 Typ L1



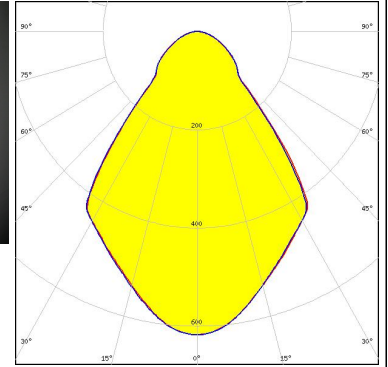
PHOTOMETRIC DATA (MEASURED):



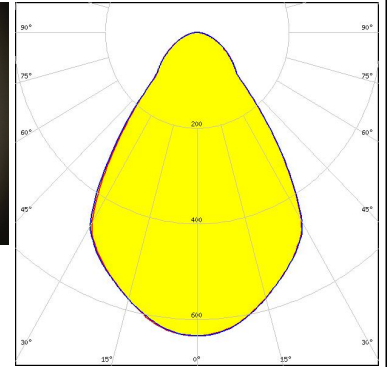
LED CMT19xx
FWHM / FWTM 74.0° / 124.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LEN-STD-BASE-CLL030



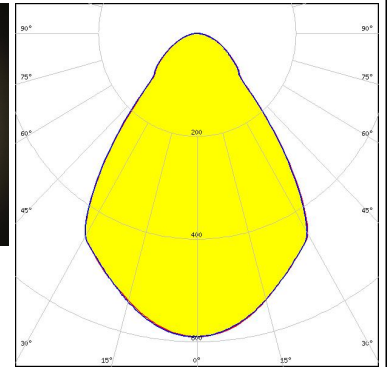
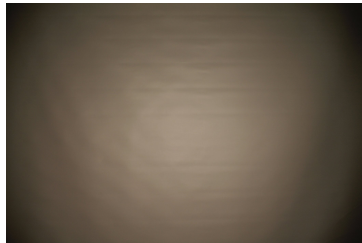
LED CMT19xx
FWHM / FWTM 75.0° / 126.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LEN-STD-BASE-VERO13-18
Bender Wirth: 477 Typ L1



LED CMT28xx
FWHM / FWTM 72.0° / 123.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LEN-STD-BASE-CLL040



LED CMT28xx
FWHM / FWTM 75.0° / 126.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LEN-STD-BASE-VERO29
Bender Wirth: 471 Typ L3



PHOTOMETRIC DATA (MEASURED):



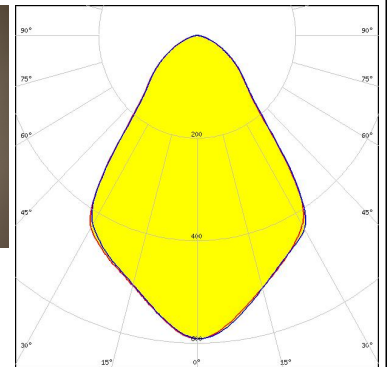
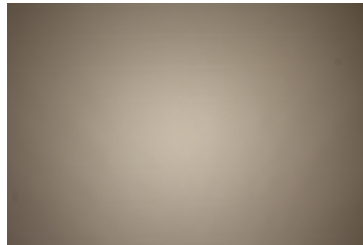
LED CXA/B 15xx
FWHM / FWTM 73.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13868_LENINA-STD-BASE-VERO13-18

C12606_LENINA-DL

Bender Wirth: 441 Typ L1

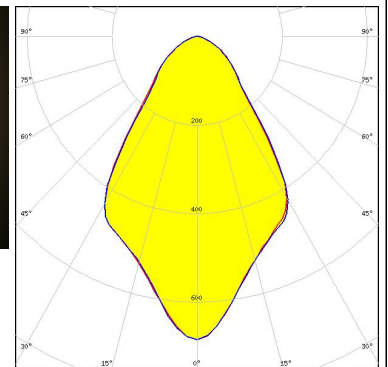
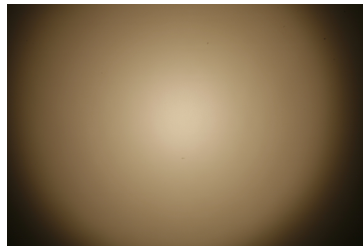


LED CXA/B 15xx
FWHM / FWTM 69.0° / 120.0°
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13186_LENINA-STD-BASE-CXA15

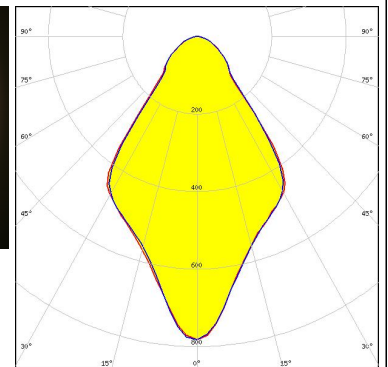
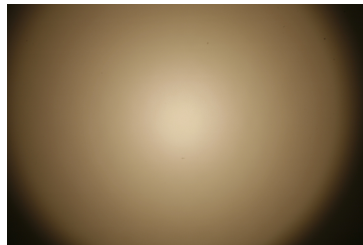
C12606_LENINA-DL



LED CXA/B 15xx
FWHM / FWTM 70.0° / 113.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13186_LENINA-STD-BASE-CXA15

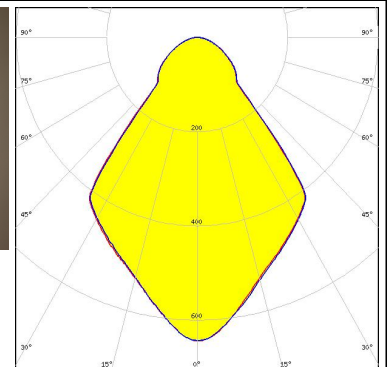
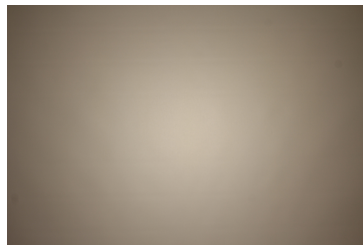


LED CXA/B 15xx
FWHM / FWTM 75.0° / 124.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13868_LENINA-STD-BASE-VERO13-18

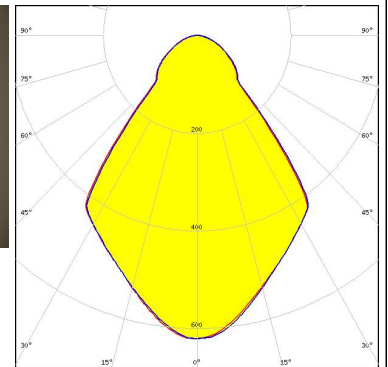
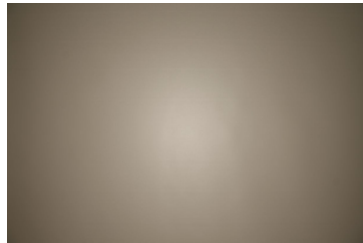
Bender Wirth: 441 Typ L1



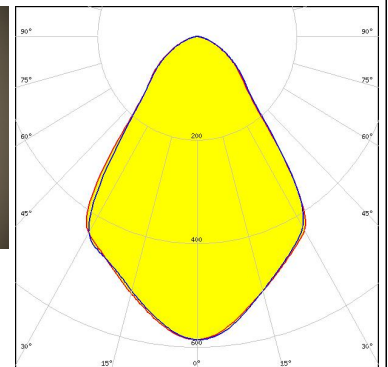
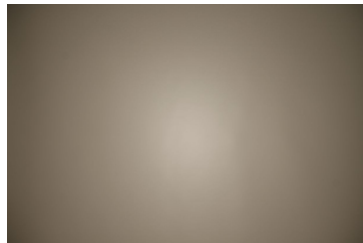
PHOTOMETRIC DATA (MEASURED):



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 437 Typ L1



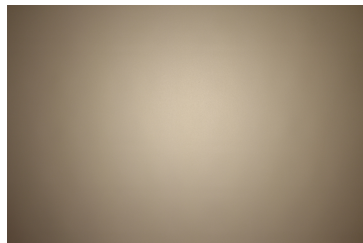
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 74.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 437 Typ L1



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 73.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14146_LENINA-STD-BASE-CXA18
 C12606_LENINA-DL



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 73.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14146_LENINA-STD-BASE-CXA18



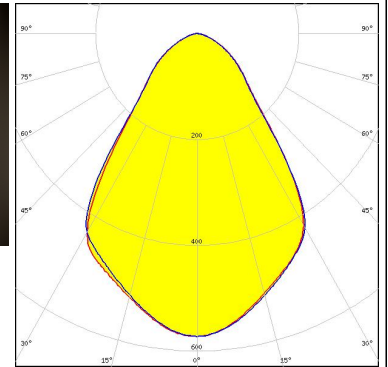
PHOTOMETRIC DATA (MEASURED):



LED CXA/B 1830
FWHM / FWTM 74.0° / 126.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

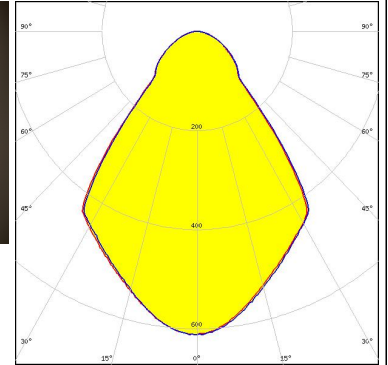
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 437 Typ L1



LED CXA/B 1830
FWHM / FWTM 75.0° / 126.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

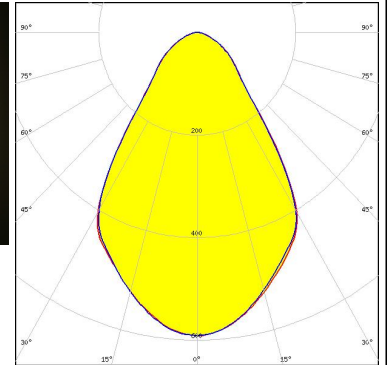
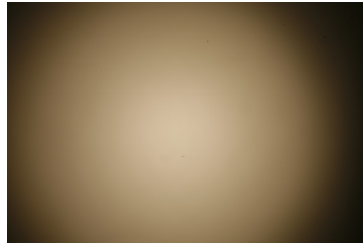
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 437 Typ L1



LED CXA/B 25xx
FWHM / FWTM 70.0° / 120.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

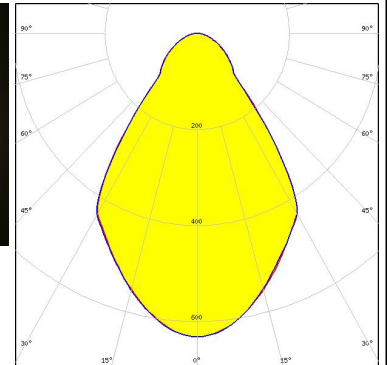
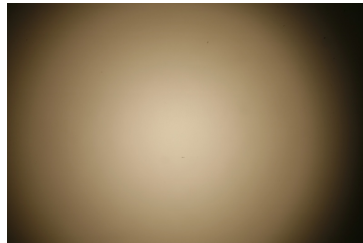
C13324_LENINA-STD-BASE-CXA25
C12606_LENINA-DL



LED CXA/B 25xx
FWHM / FWTM 70.0° / 120.0°
Efficiency 89 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

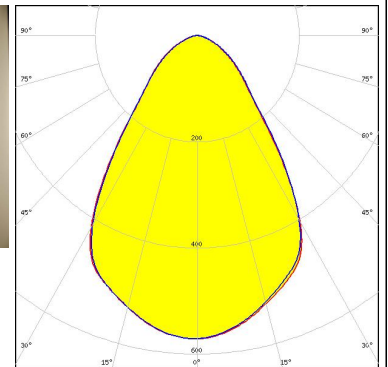
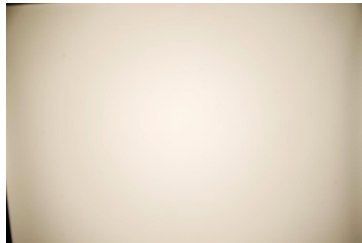
C13324_LENINA-STD-BASE-CXA25



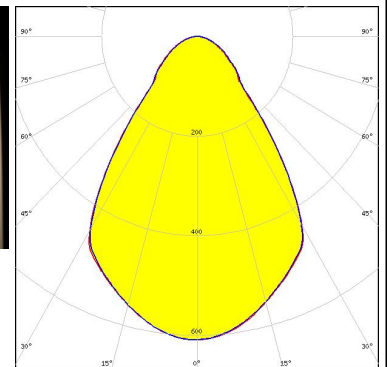
PHOTOMETRIC DATA (MEASURED):



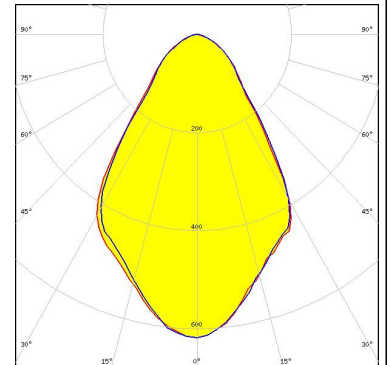
LED CXA/B 30xx
FWHM / FWTM 77.0° / 124.0°
Efficiency 87 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12606_LENINA-DL
IDEAL: 50-2234C + 50-2100LN



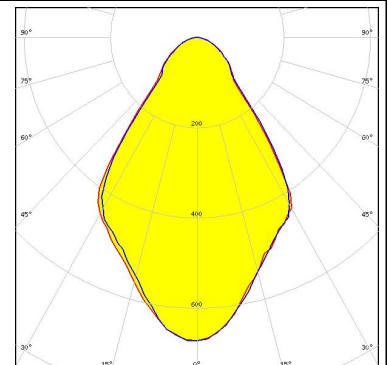
LED CXA/B 30xx
FWHM / FWTM 72.0° / 123.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2234C + 50-2100LN



LED CXA2011
FWHM / FWTM 70.0° / 123.0°
Efficiency 82 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12105_LENINA-STD-BASE-CXA20
C12606_LENINA-DL



LED CXA2011
FWHM / FWTM 72.0° / 121.0°
Efficiency 87 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12105_LENINA-STD-BASE-CXA20



PHOTOMETRIC DATA (MEASURED):

EVERLIGHT

LED CHI3030 19W
FWHM / FWTM 75.0° / 130.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13867_LENINA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 468 Typ L3



EVERLIGHT

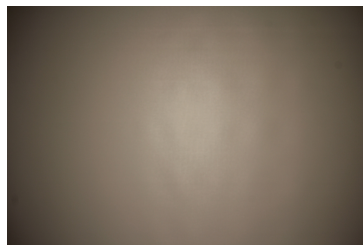
LED CHI3030 29W
FWHM / FWTM 75.0° / 128.0°
Efficiency 90 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13867_LENINA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 468 Typ L3



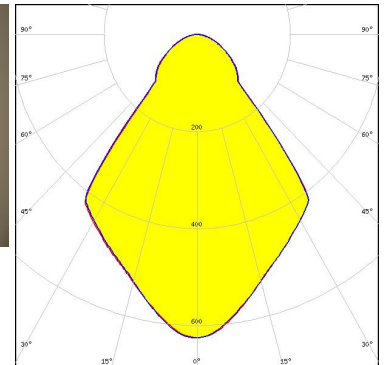
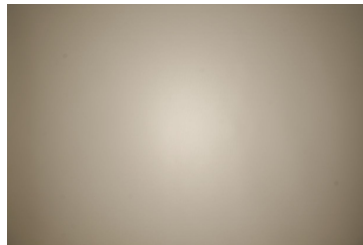
LUMILEDS

LED LUXEON CoB 1202/1203
FWHM / FWTM 76.0° / 126.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13868_LENINA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1



LUMILEDS

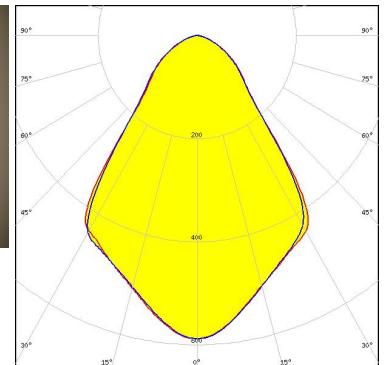
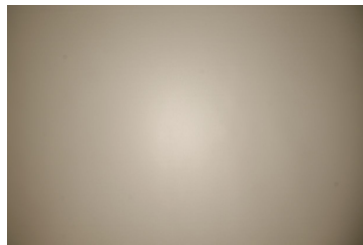
LED LUXEON CoB 1202/1203
FWHM / FWTM 74.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13868_LENINA-STD-BASE-VERO13-18

C12606_LENINA-DL

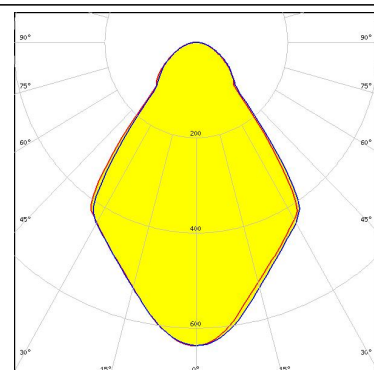
Bender Wirth: 438 Typ L1



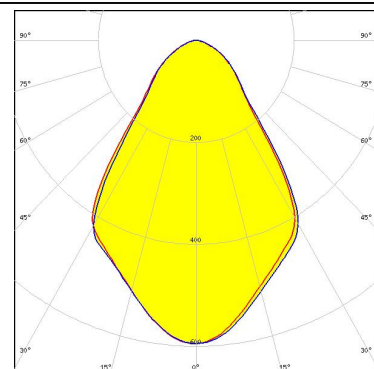
PHOTOMETRIC DATA (MEASURED):



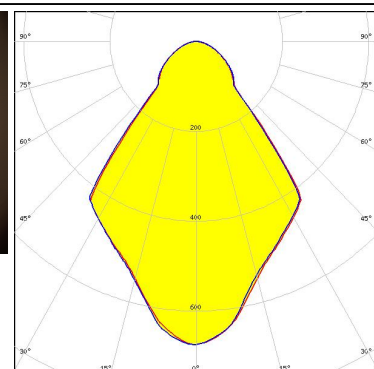
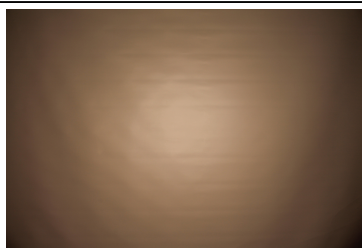
LED LUXEON CoB 1204/1205
 FWHM / FWTM 73.0° / 123.0°
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENINA-STD-BASE-MEZ



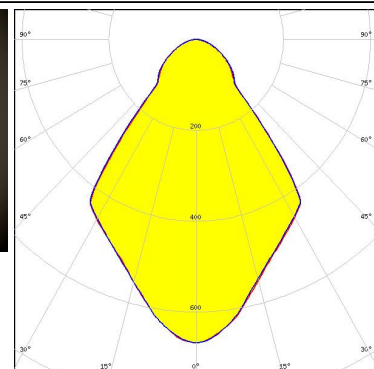
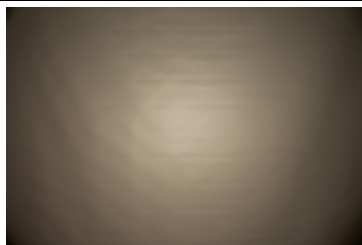
LED LUXEON CoB 1204/1205
 FWHM / FWTM 71.0° / 123.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL



LED LUXEON CoB 1204HD
 FWHM / FWTM 74.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11981_LENINA-STD-BASE-COB-L110



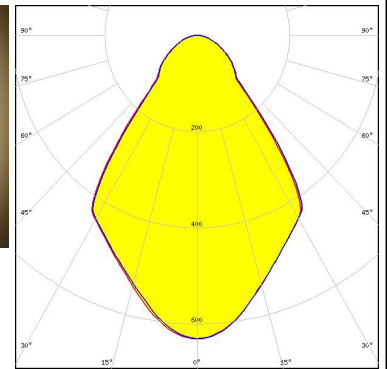
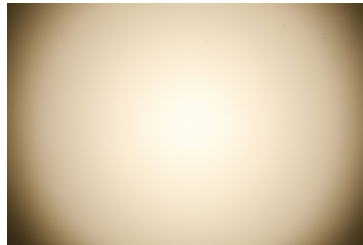
LED LUXEON CoB 1205HD
 FWHM / FWTM 74.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11981_LENINA-STD-BASE-COB-L110



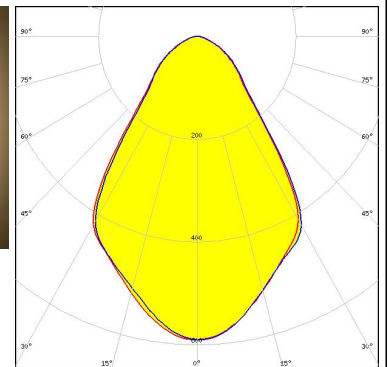
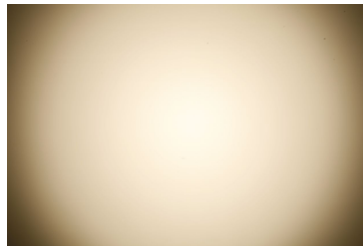
PHOTOMETRIC DATA (MEASURED):



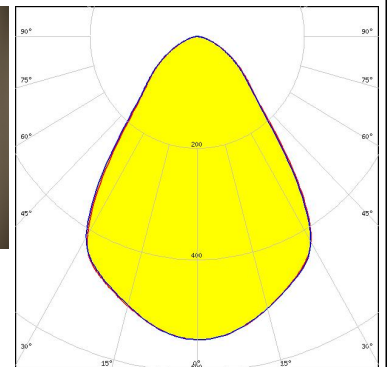
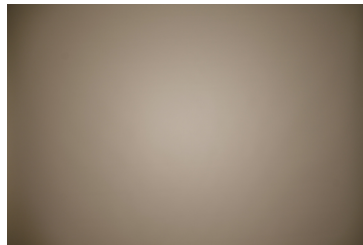
LED LUXEON CoB 1208
 FWHM / FWTM 73.0° / 123.0°
 Efficiency 91 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENASTD-BASE-MEZ



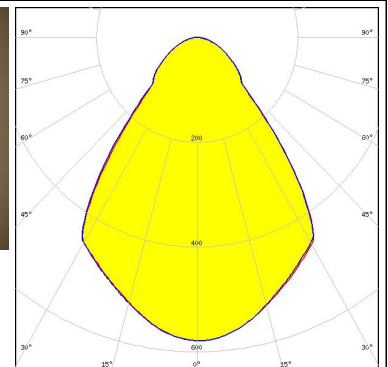
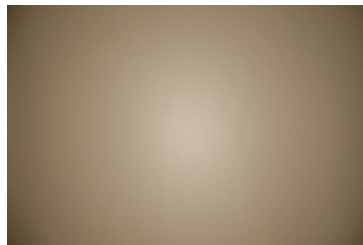
LED LUXEON CoB 1208
 FWHM / FWTM 72.0° / 124.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENASTD-BASE-MEZ
 C12606_LENINA-DL



LED LUXEON CoB 1211
 FWHM / FWTM 75.0° / 127.0°
 Efficiency 88 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENASTD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 431 Typ L3



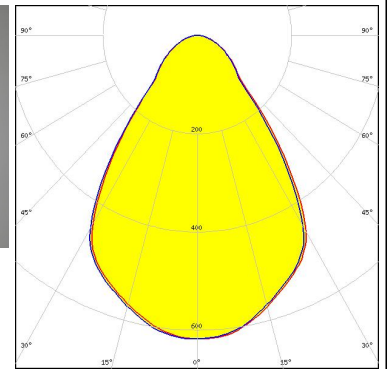
LED LUXEON CoB 1211
 FWHM / FWTM 76.0° / 127.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENASTD-BASE-VERO29
 Bender Wirth: 431 Typ L3



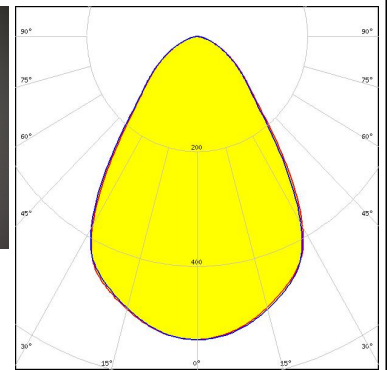
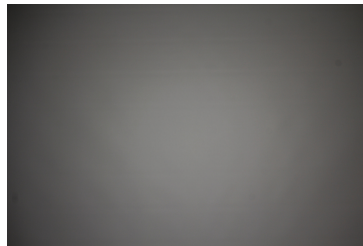
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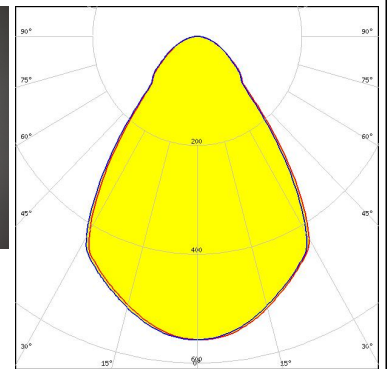
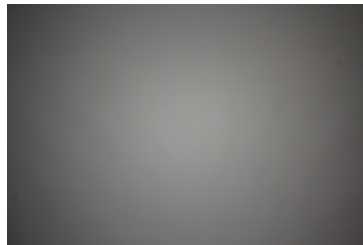
LED LUXEON CoB 1216/1812
FWHM / FWTM 73.0° / 124.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENINA-STD-BASE-CLL040



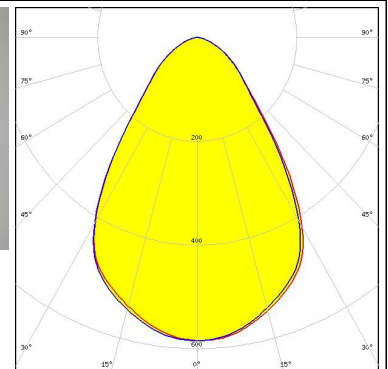
LED LUXEON CoB 1216/1812
FWHM / FWTM 73.0° / 126.0°
Efficiency 83 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12606_LENINA-DL
A.A.G. STUCCHI: 8102-G2 + S-8000-12



LED LUXEON CoB 1216/1812
FWHM / FWTM 74.0° / 127.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102-G2 + S-8000-12



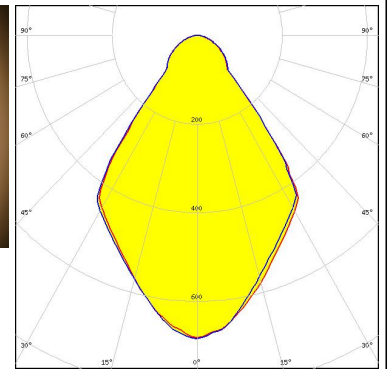
LED LUXEON CoB 1216/1812
FWHM / FWTM 72.0° / 125.0°
Efficiency 90 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENINA-STD-BASE-CLL040
C12606_LENINA-DL



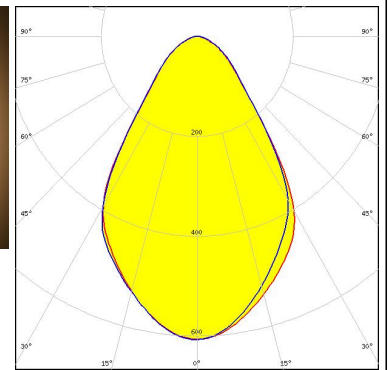
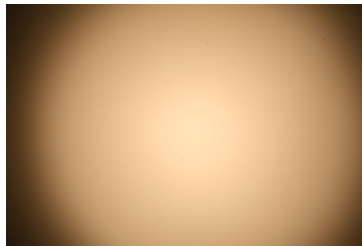
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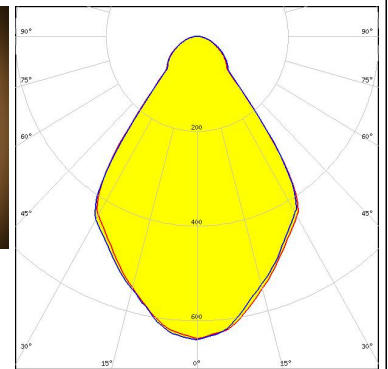
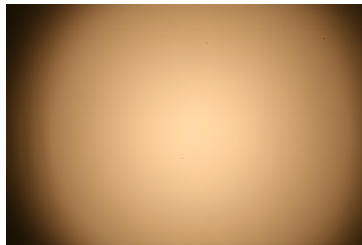
LED LUXEON K12
 FWHM / FWTM 72.0° / 115.0°
 Efficiency 90 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12924_LEN-STD-BASE-LUXEON-K



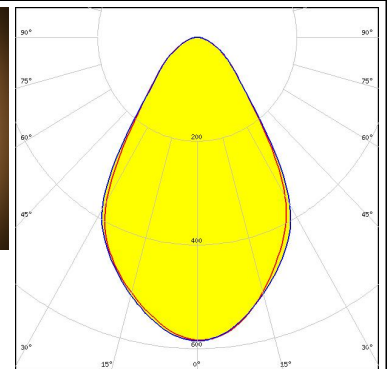
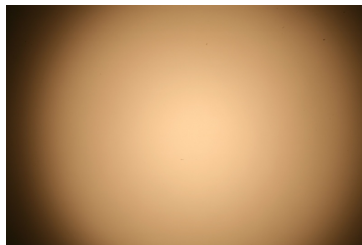
LED LUXEON K12
 FWHM / FWTM 68.0° / 118.0°
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12924_LEN-STD-BASE-LUXEON-K
 C12606_LENINA-DL



LED LUXEON K16
 FWHM / FWTM 72.0° / 116.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12924_LEN-STD-BASE-LUXEON-K



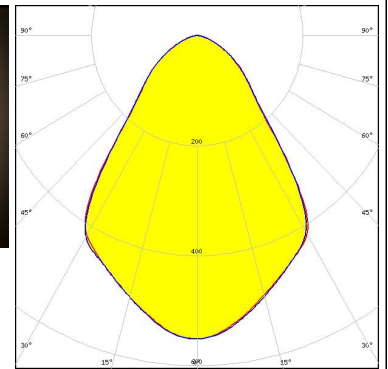
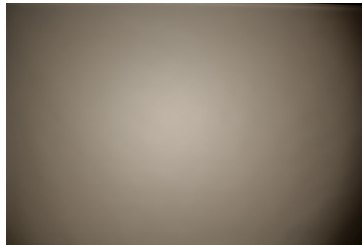
LED LUXEON K16
 FWHM / FWTM 68.0° / 120.0°
 Efficiency 80 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12924_LEN-STD-BASE-LUXEON-K
 C12606_LENINA-DL



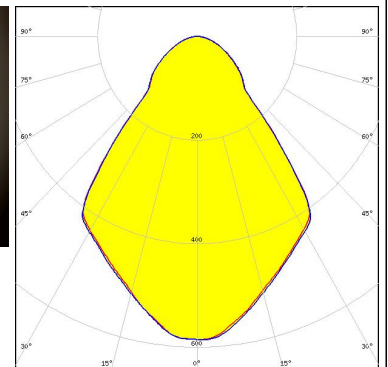
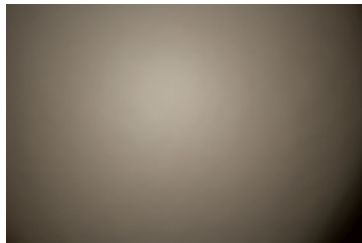
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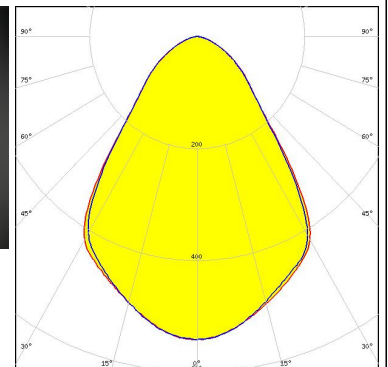
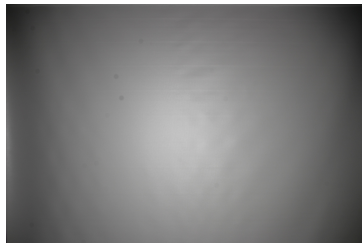
LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 75.0° / 128.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 491 Typ L2



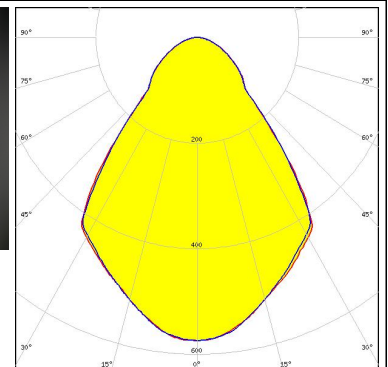
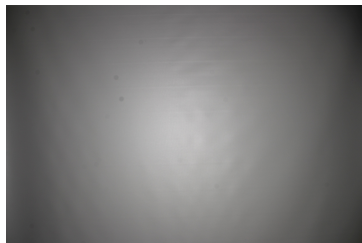
LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 77.0° / 129.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 491 Typ L2



LED CDM-18 (Dim-To-Warm)
 FWHM / FWTM 75.0° / 128.0°
 Efficiency 89 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 491 Typ L2



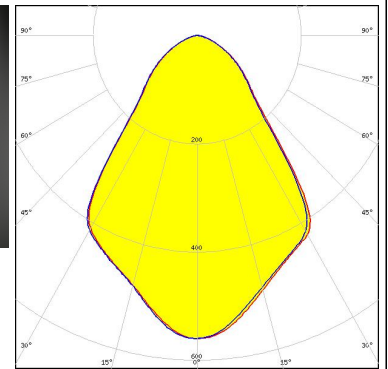
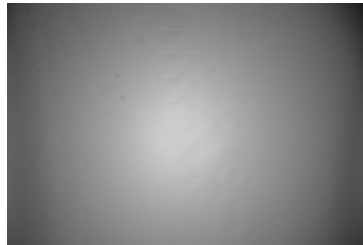
LED CDM-18 (Dim-To-Warm)
 FWHM / FWTM 76.0° / 129.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 491 Typ L2



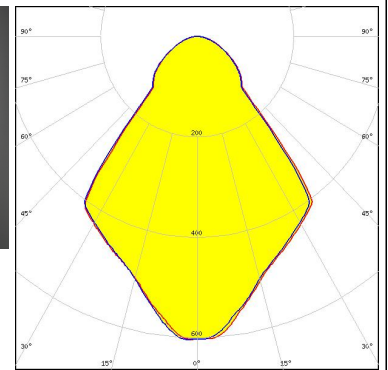
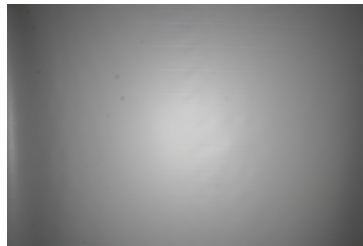
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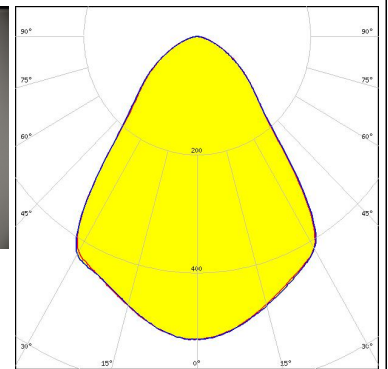
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 74.0° / 127.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 Bender Wirth: 490 Typ L1



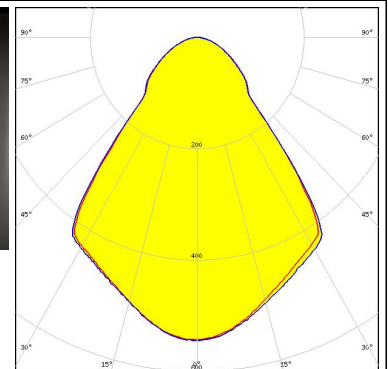
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 76.0° / 128.0°
 Efficiency 92 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 Bender Wirth: 490 Typ L1



LED CTM-14 (Tunable White)
 FWHM / FWTM 76.0° / 129.0°
 Efficiency 87 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENASTD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 442 Typ L3



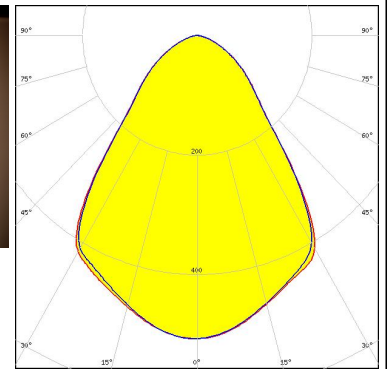
LED CTM-14 (Tunable White)
 FWHM / FWTM 77.0° / 131.0°
 Efficiency 92 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENASTD-BASE-VERO29
 Bender Wirth: 442 Typ L3



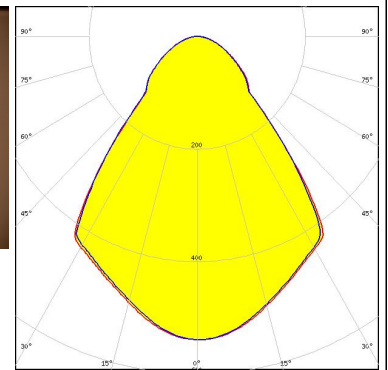
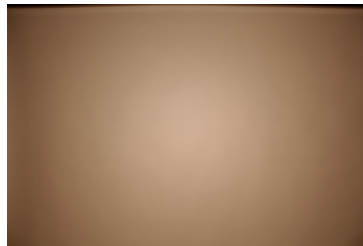
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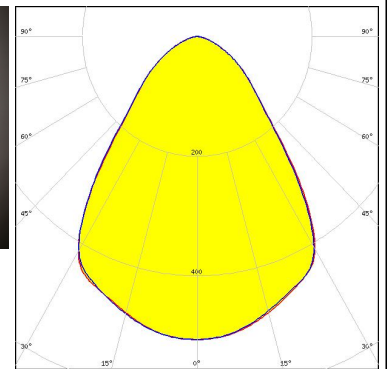
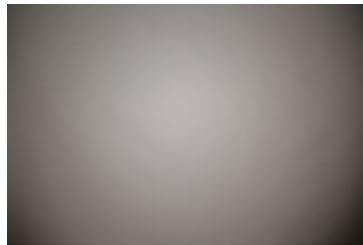
LED CTM-18 (Tunable White)
 FWHM / FWTM 77.0° / 129.0°
 Efficiency 87 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 442 Typ L3



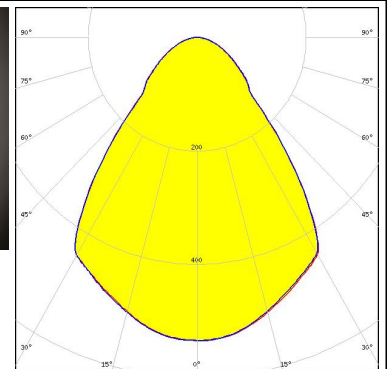
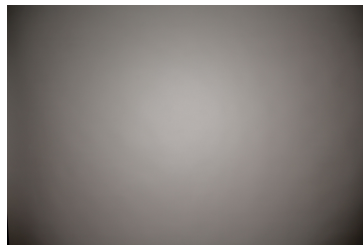
LED CTM-18 (Tunable White)
 FWHM / FWTM 78.0° / 131.0°
 Efficiency 92 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 442 Typ L3



LED CTM-22 (Tunable White)
 FWHM / FWTM 77.0° / 129.0°
 Efficiency 88 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 494 Typ L3



LED CTM-22 (Tunable White)
 FWHM / FWTM 78.0° / 131.0°
 Efficiency 92 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 494 Typ L3



PHOTOMETRIC DATA (MEASURED):

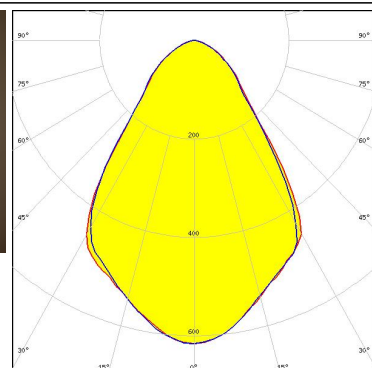
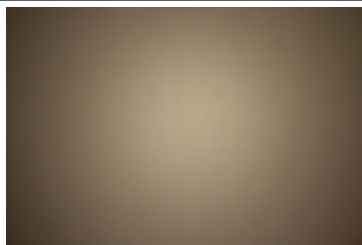


LED CxM-14 (19x19)
FWHM / FWTM 73.0° / 125.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C12691_LENASTD-BASE-CLL030

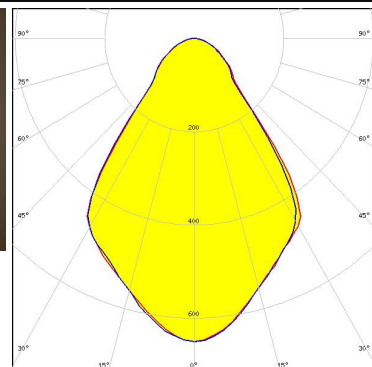
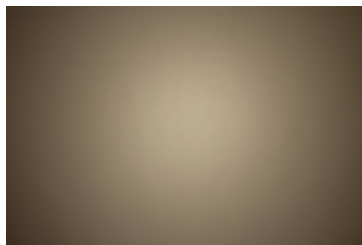
C12606_LENINA-DL



LED CxM-14 (19x19)
FWHM / FWTM 74.0° / 124.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C12691_LENASTD-BASE-CLL030



LED CxM-22 (28x28)
FWHM / FWTM 73.0° / 128.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C12692_LENASTD-BASE-CLL040

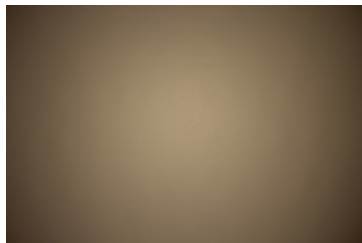


LED CxM-22 (28x28)
FWHM / FWTM 73.0° / 128.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C12692_LENASTD-BASE-CLL040

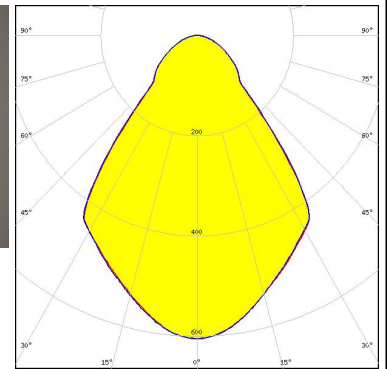
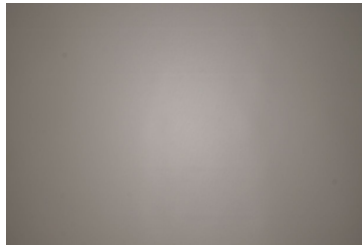
C12606_LENINA-DL



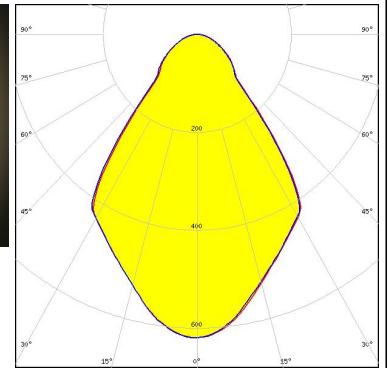
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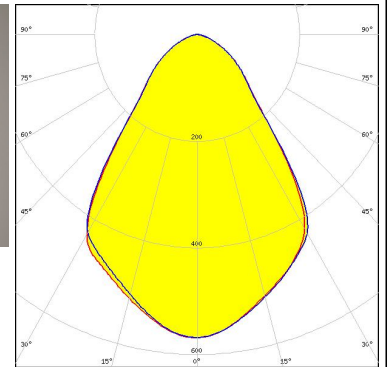
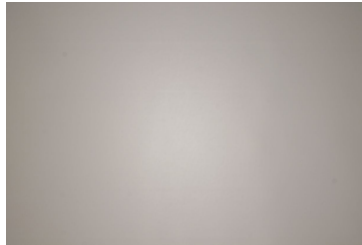
LED COB J-Type
FWHM / FWTM 76.0° / 127.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 463 Typ L2



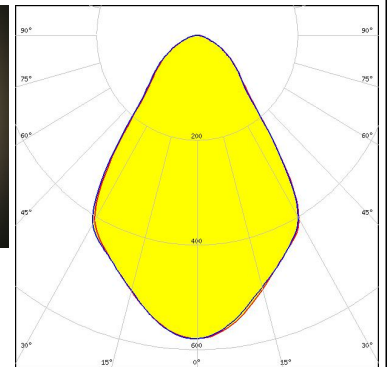
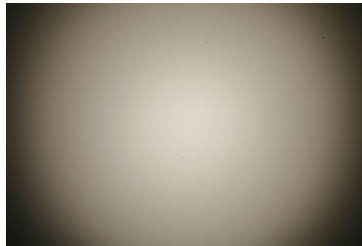
LED COB J-Type
FWHM / FWTM 73.0° / 123.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENINA-STD-BASE-MEZ



LED COB J-Type
FWHM / FWTM 74.0° / 126.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 463 Typ L2



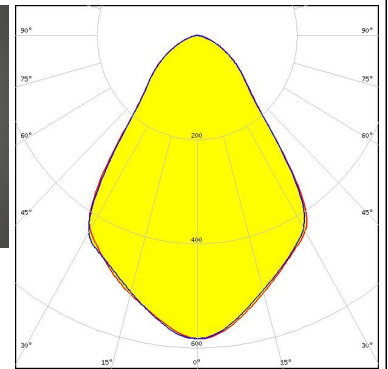
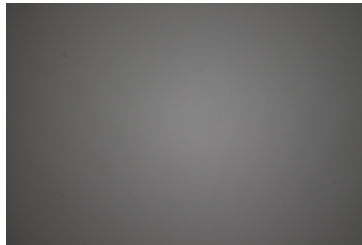
LED COB J-Type
FWHM / FWTM 72.0° / 124.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL



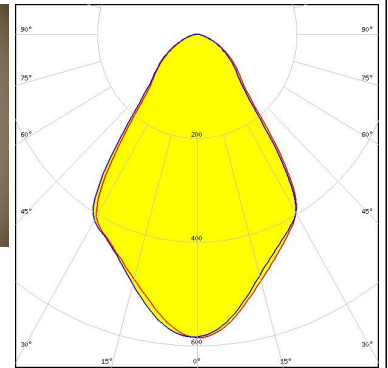
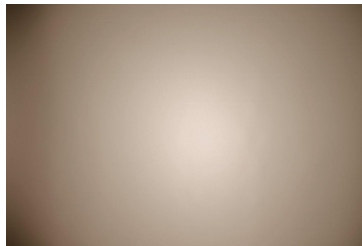
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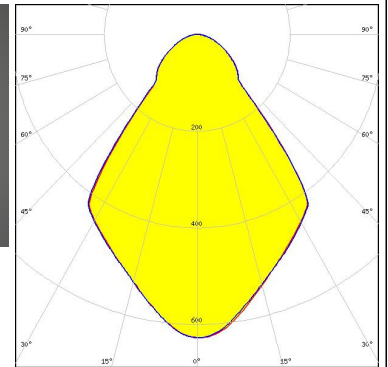
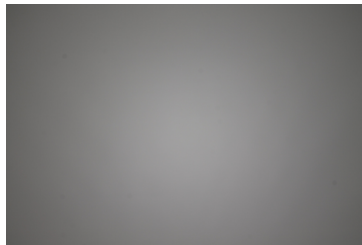
LED COB L-Type (LES 11)
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 438 Typ L1



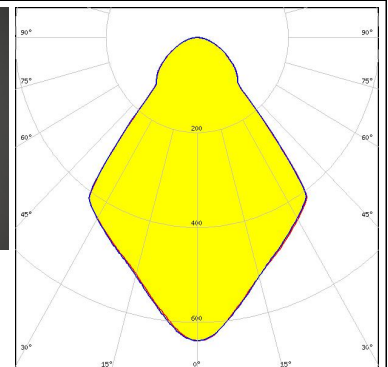
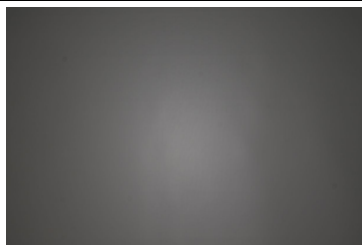
LED COB L-Type (LES 11)
 FWHM / FWTM 71.0° / 122.0°
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C11981_LENINA-STD-BASE-COB-L110
 C12606_LENINA-DL



LED COB L-Type (LES 11)
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 438 Typ L1



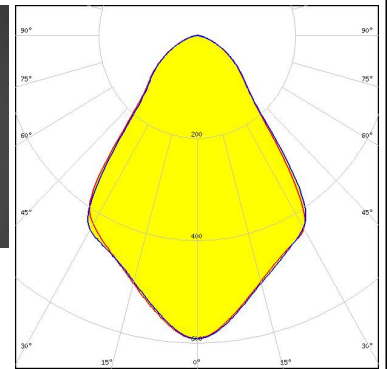
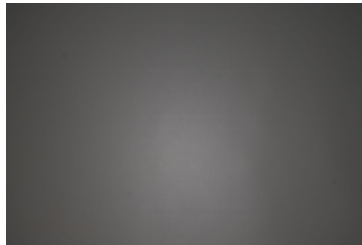
LED COB L-Type (LES 9)
 FWHM / FWTM 76.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 438 Typ L1



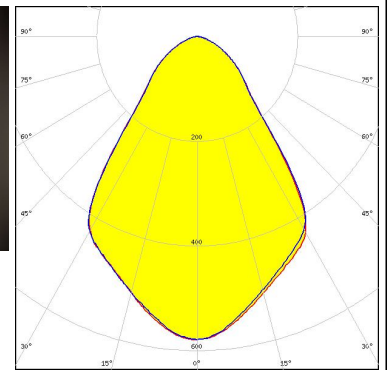
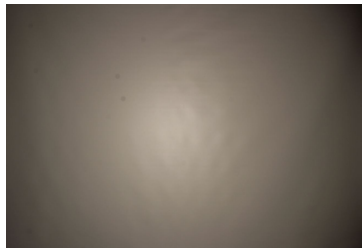
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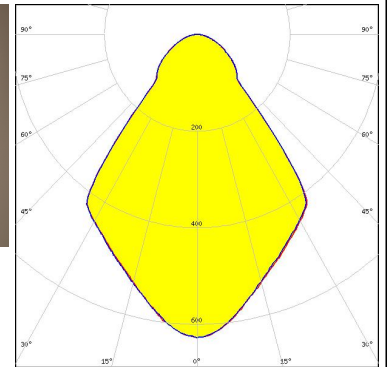
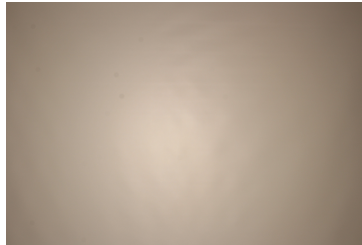
LED COB L-Type (LES 9)
 FWHM / FWTM 74.0° / 126.0°
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 438 Typ L1



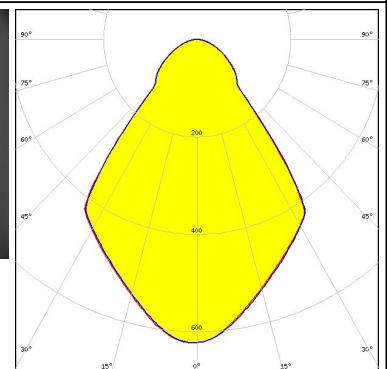
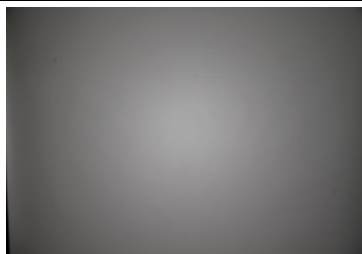
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 74.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 498 Typ L2



LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 498 Typ L2



LED Soleriq S13
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 437 Typ L1



PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

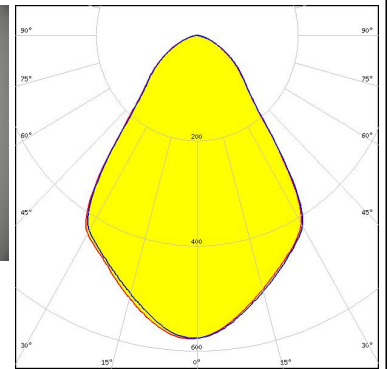
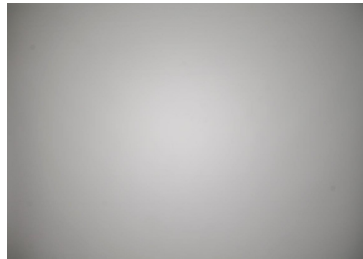
LED Soleriq S13
FWHM / FWTM 73.0° / 126.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13868_LENINA-STD-BASE-VERO13-18

C12606_LENINA-DL

Bender Wirth: 437 Typ L1



OSRAM

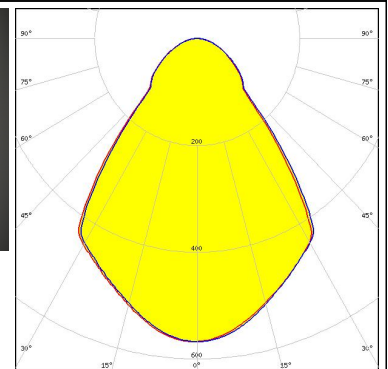
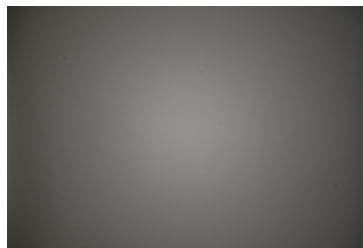
Opto Semiconductors

LED Soleriq S19
FWHM / FWTM 76.0° / 131.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13867_LENINA-STD-BASE-VERO29

Bender Wirth: 462 Typ L3



OSRAM

Opto Semiconductors

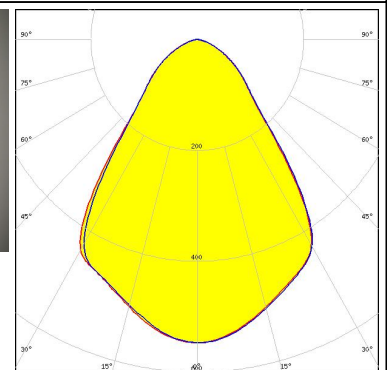
LED Soleriq S19
FWHM / FWTM 75.0° / 127.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C13867_LENINA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 462 Typ L3



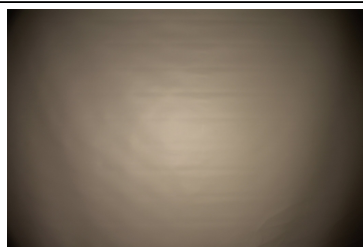
PHILIPS

LED Fortimo SLM L13 CoB
FWHM / FWTM 71.0° / 122.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C12292_LENINA-STD-BASE-MEZ

C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

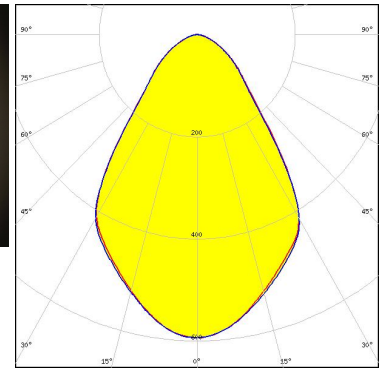
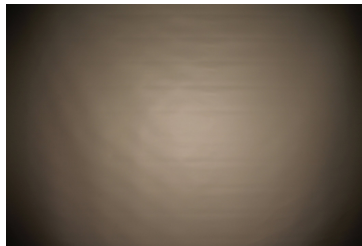
PHILIPS

LED Fortimo SLM L13 CoB
FWHM / FWTM 74.0° / 123.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENINA-STD-BASE-MEZ



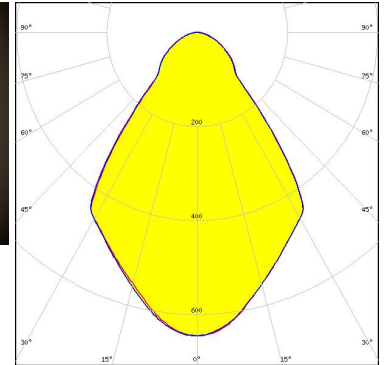
PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 72.0° / 123.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL



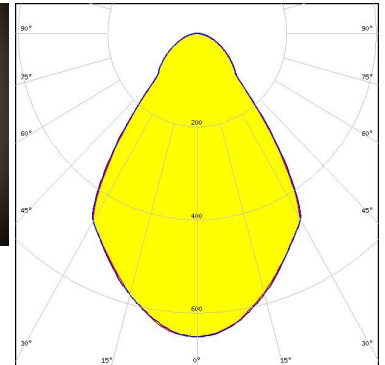
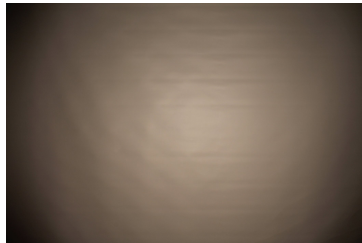
PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 73.0° / 123.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12292_LENINA-STD-BASE-MEZ



PHILIPS

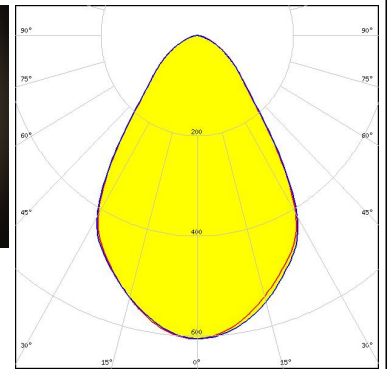
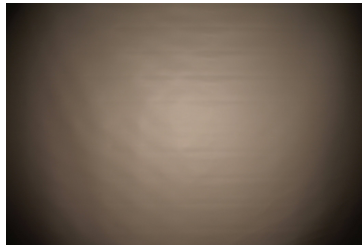
LED Fortimo SLM L19 CoB
FWHM / FWTM 72.0° / 122.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12692_LENINA-STD-BASE-CLL040



PHOTOMETRIC DATA (MEASURED):

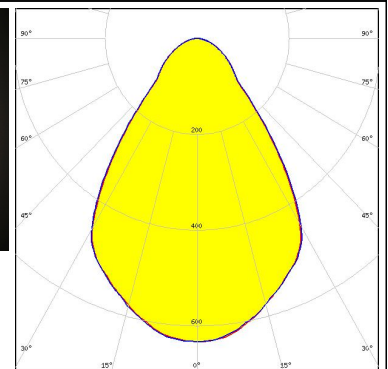
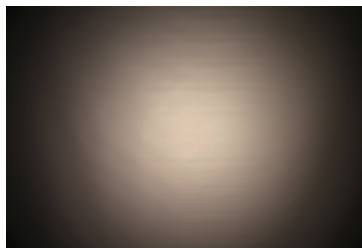
PHILIPS

LED Fortimo SLM L19 CoB
 FWHM / FWTM 71.0° / 122.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL



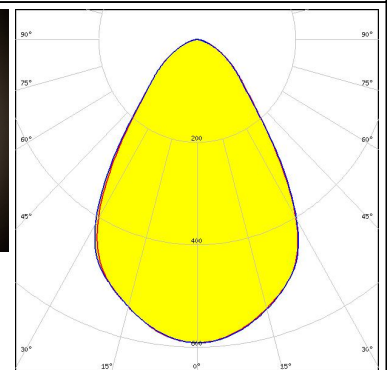
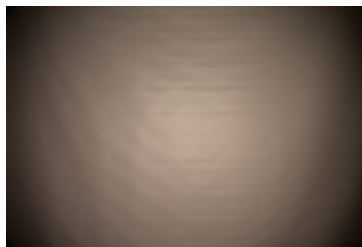
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM / FWTM 72.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENINA-STD-BASE-CLL040



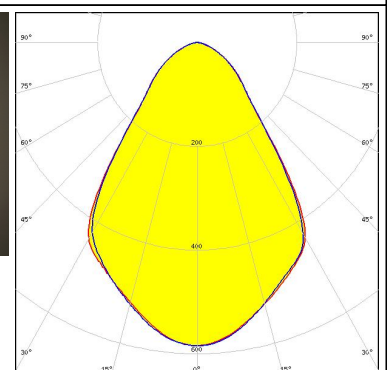
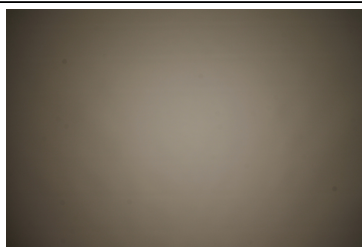
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM / FWTM 71.0° / 122.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL



SAMSUNG

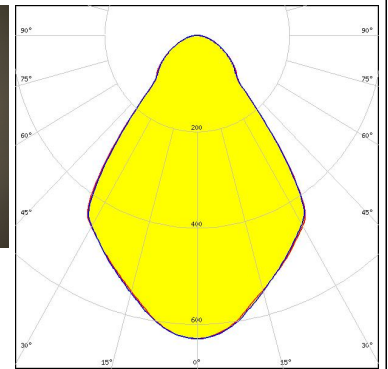
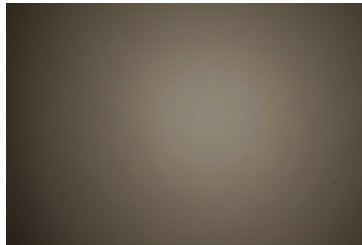
LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12691_LENINA-STD-BASE-CLL030
 C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

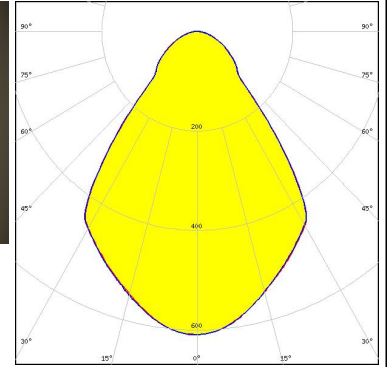
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 74.0° / 125.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12691_LEN-STD-BASE-CLL030



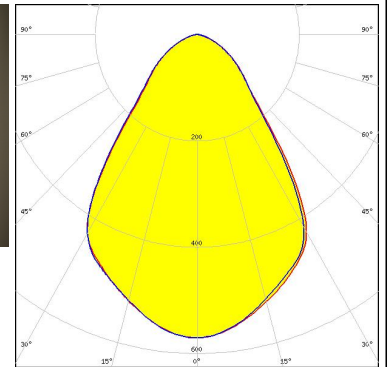
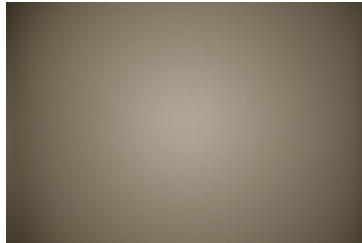
SAMSUNG

LED LC026B / 033B / 040B
 FWHM / FWTM 75.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LEN-STD-BASE-VERO13-18
 Bender Wirth: 450 Typ L2



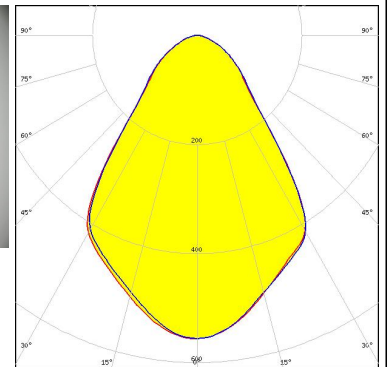
SAMSUNG

LED LC026B / 033B / 040B
 FWHM / FWTM 74.0° / 126.0°
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LEN-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 450 Typ L2

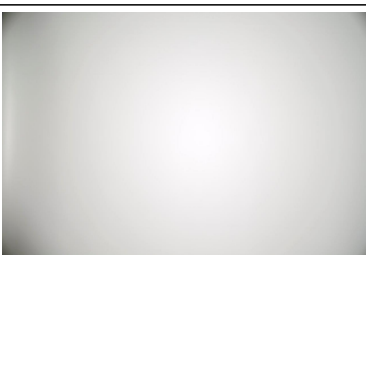
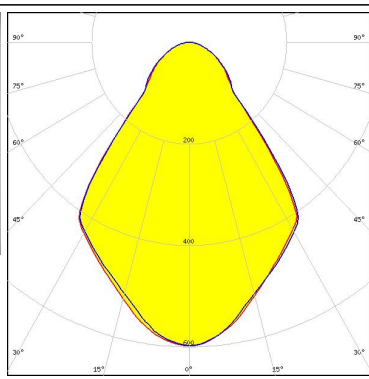
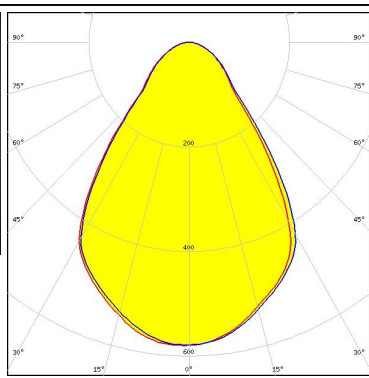
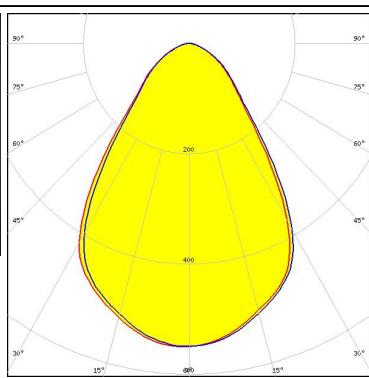


SEOL SEMICONDUCTOR

LED ZC12/18
 FWHM / FWTM 73.0° / 126.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12691_LEN-STD-BASE-CLL030
 C12606_LENINA-DL



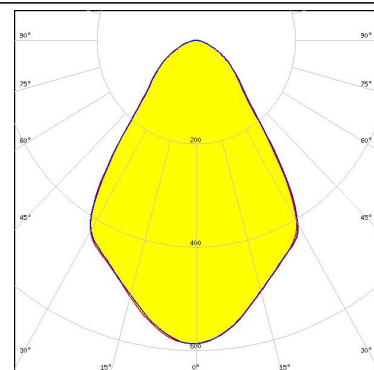
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR LED ZC12/18 FWHM / FWTM 75.0° / 126.0° Efficiency 90 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: C12691_LEN-STD-BASE-CLL030		
SEOUL SEMICONDUCTOR LED ZC25/40/60 FWHM / FWTM 73.0° / 125.0° Efficiency 89 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: C12692_LEN-STD-BASE-CLL040		
SEOUL SEMICONDUCTOR LED ZC25/40/60 FWHM / FWTM 72.0° / 125.0° Efficiency 85 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: C12692_LEN-STD-BASE-CLL040 C12606_LENINA-DL		
SHARP LED Mega Zenigata (GW5DGC) FWHM / FWTM 73.0° / 123.0° Efficiency 90 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components: C12292_LEN-STD-BASE-MEZ		

PHOTOMETRIC DATA (MEASURED):

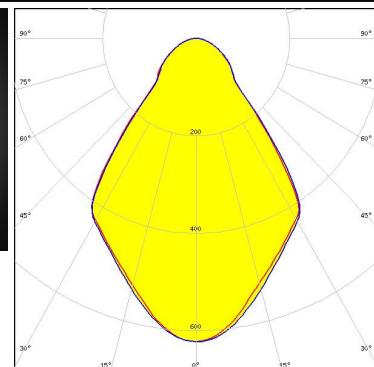
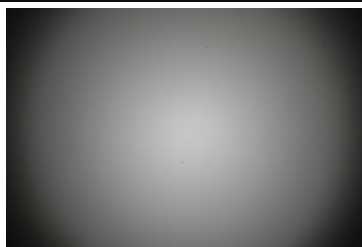
SHARP

LED Mega Zenigata (GW5DGC)
 FWHM / FWTM 72.0° / 124.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL



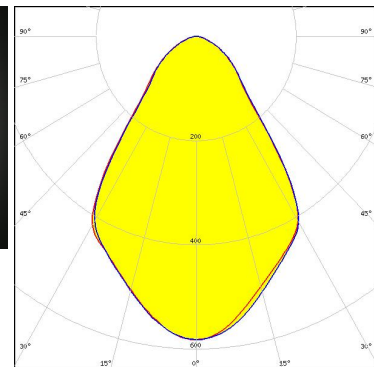
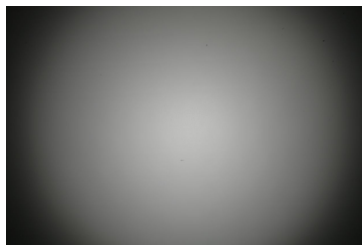
SHARP

LED Mega Zenigata (GW6DME)
 FWHM / FWTM 73.0° / 123.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENINA-STD-BASE-MEZ



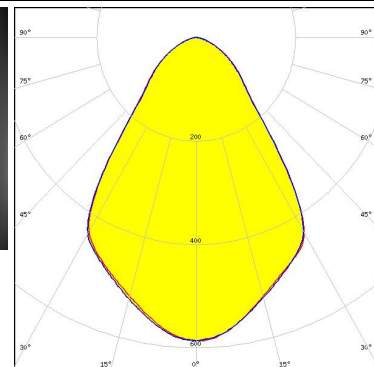
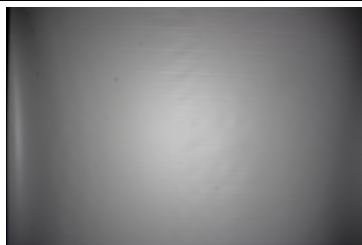
SHARP

LED Mega Zenigata (GW6DME)
 FWHM / FWTM 72.0° / 124.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL



TRIDONIC

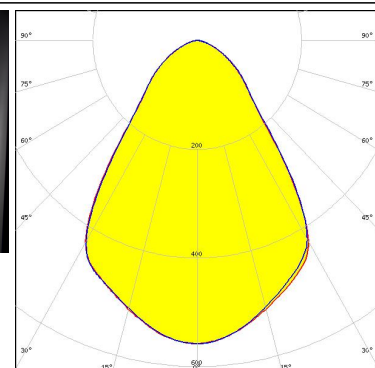
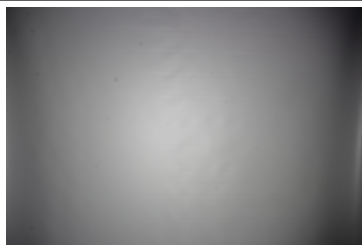
LED SLE G7 LES15
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12691_LENINA-STD-BASE-CLL030



PHOTOMETRIC DATA (MEASURED):

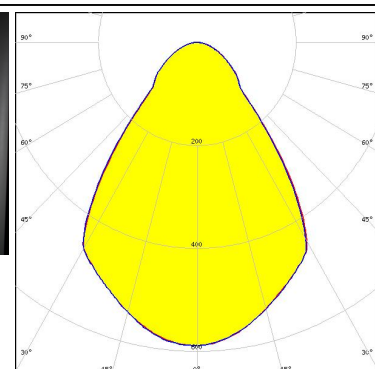
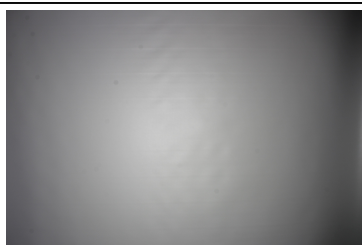
TRIDONIC

LED SLE G7 LES17 H
FWHM / FWTM 74.0° / 126.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14547_LENNA-ADAPTER-B



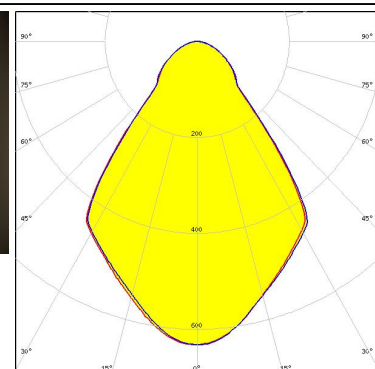
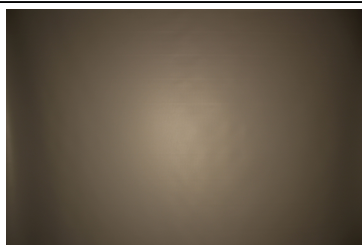
TRIDONIC

LED SLE G7 LES21 H
FWHM / FWTM 74.0° / 127.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14547_LENNA-ADAPTER-B



XICATO

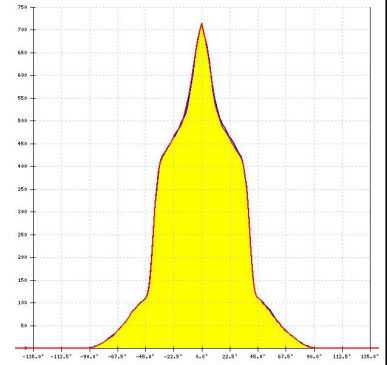
LED XOB 14.5 mm
FWHM / FWTM 74.0° / 124.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12691_LENNA-STD-BASE-CLL030



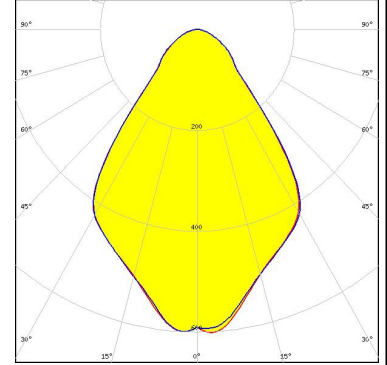
PHOTOMETRIC DATA (SIMULATED):



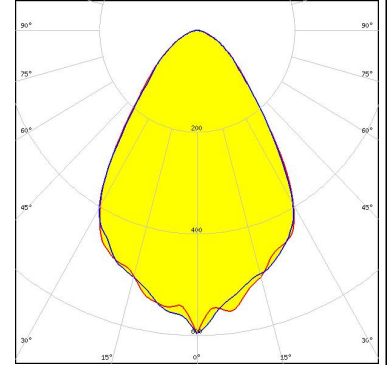
LED V10 Gen7
 FWHM / FWTM 71.0° / 115.0°
 Efficiency 86 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LEN-STD-BASE-VERO13-18
 Bender Wirth: 486 Typ L1



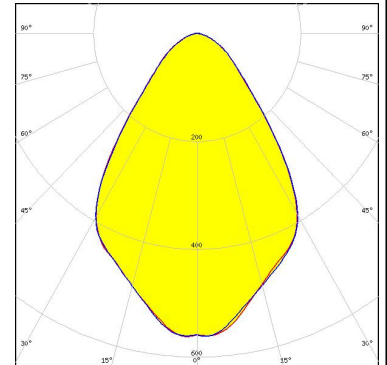
LED V13 Gen7
 FWHM / FWTM 73.0° / 121.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LEN-STD-BASE-VERO13-18
 Bender Wirth: 477 Typ L1



LED V13 Gen7
 FWHM / FWTM 70.0° / 119.0°
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12606_LENINA-DL
 IDEAL: 50-2103CT + 50-2100AN



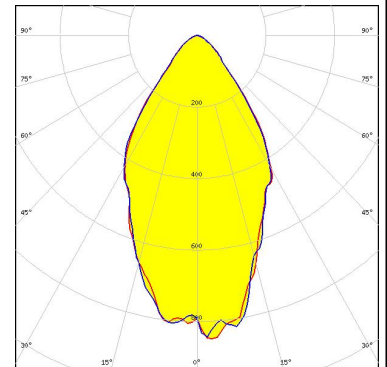
LED V13 Gen7
 FWHM / FWTM 72.0° / 121.0°
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LEN-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 477 Typ L1



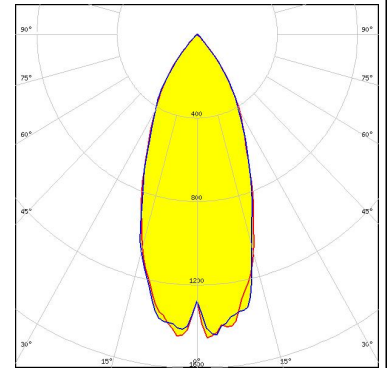
PHOTOMETRIC DATA (SIMULATED):



LED V22 Gen7
FWHM / FWTM 60.0° / 96.0°
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13867_LENINA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 431 Typ L3



LED V22 Gen7
FWHM / FWTM 60.0° / 94.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C13867_LENINA-STD-BASE-VERO29
Bender Wirth: 431 Typ L3



LED CxM-14 (19x19)
FWHM / FWTM 74.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 433 Typ L1



LED CxM-14 (19x19)
FWHM / FWTM 75.0° / 126.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 433 Typ L1

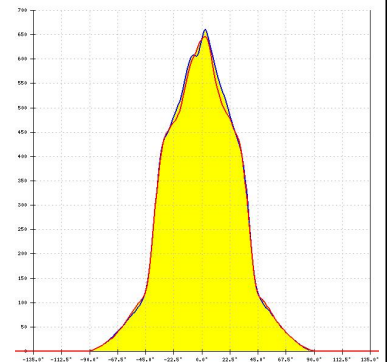
PHOTOMETRIC DATA (SIMULATED):



LED CxM-9 (13.5x13.5)
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 434 Typ L1



LED Soleriq S15
 FWHM / FWTM 72.0° / 119.0°
 Efficiency 87 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C12691_LENINA-STD-BASE-CLL030



LED ZC12/18
 FWHM / FWTM 74.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 433 Typ L1



LED ZC12/18
 FWHM / FWTM 75.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 433 Typ L1

PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	73.0° / 125.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C13868_LENINA-STD-BASE-VERO13-18	
C12606_LENINA-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.

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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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