

LENINA-XW

White version with ~75° wide beam

SPECIFICATION:

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

MATERIALS:

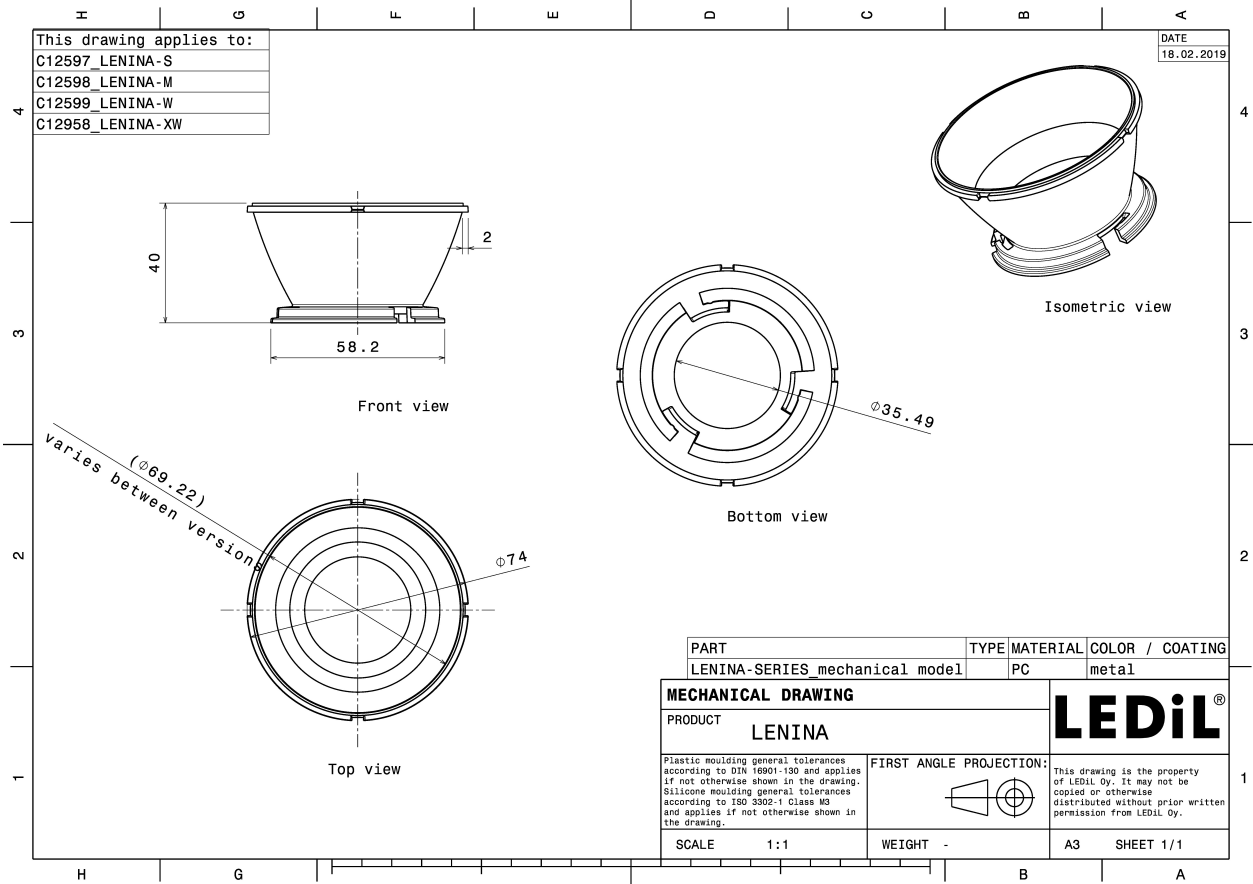
Component	Type	Material	Colour
LENINA-XW	Reflector	HRPC	white



LEDiL[®]
Finish Coating

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12958_LENINA-XW » Box size: 476 x 273 x 197 mm	60	120	60	2.0

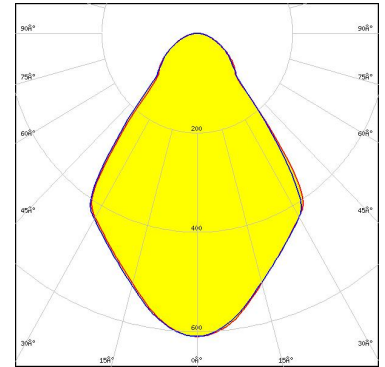


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

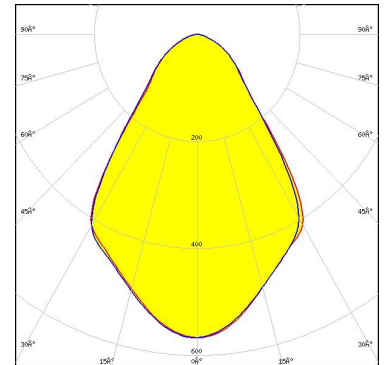
LED BXRA ES Rectangle
FWHM / FWTM 74.0° / 124.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12153_LENINA-STD-BASE-BXRA



Light distribution files

bridgelux

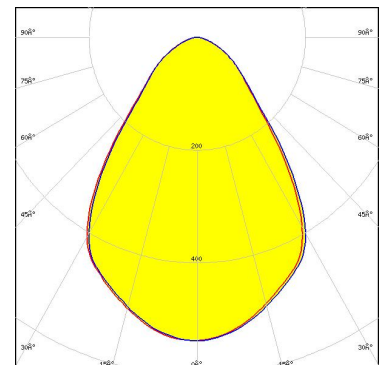
LED BXRA ES Rectangle
FWHM / FWTM 73.0° / 125.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12153_LENINA-STD-BASE-BXRA
C12606_LENINA-DL



Light distribution files

bridgelux

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

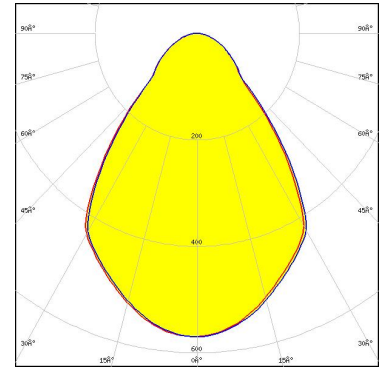


Light distribution files

OPTICAL RESULTS (MEASURED):



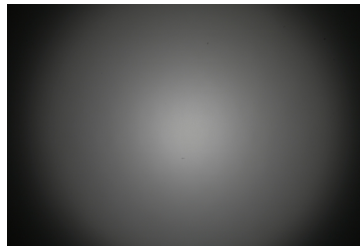
LED BXRA RS
FWHM / FWTM 76.0° / 128.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12229_LENINA-STD-BASE-RS



Light distribution files



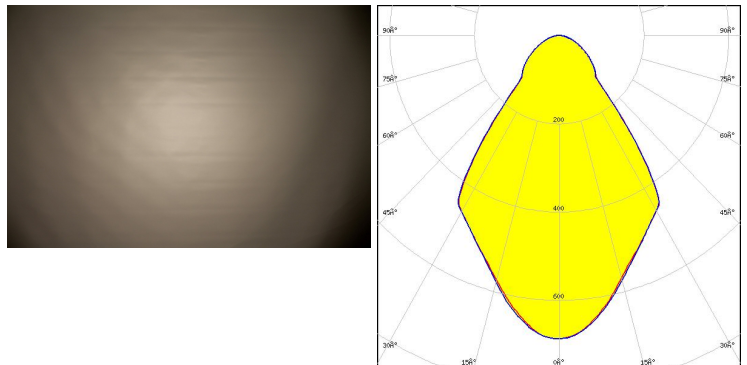
LED V10 Gen6
FWHM / FWTM 69.0° / 124.0°
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13186_LENINA-STD-BASE-CXA15
C12606_LENINA-DL



Light distribution files



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/type White
Required components:
C14146_LENINA-STD-BASE-CXA18

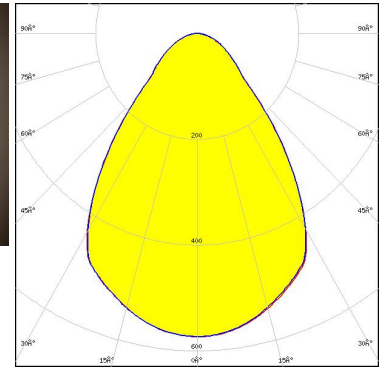
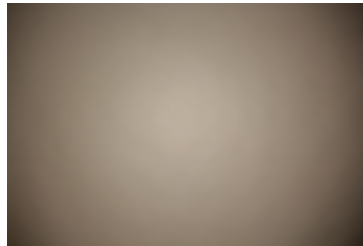


Light distribution files

OPTICAL RESULTS (MEASURED):



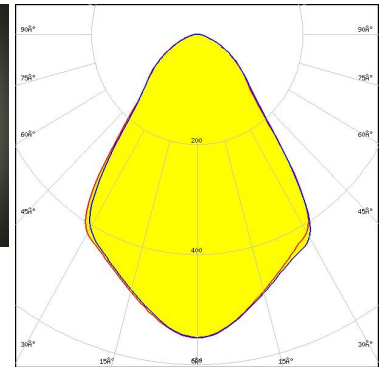
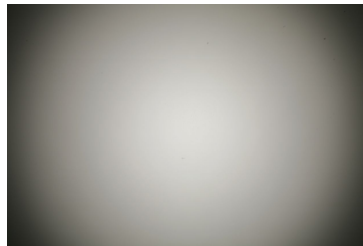
LED Vero SE 29
 FWHM / FWTM 76.0° / 127.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15083_LENINA-STD-BASE-VERO29



Light distribution files



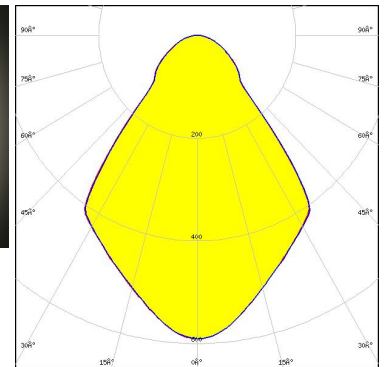
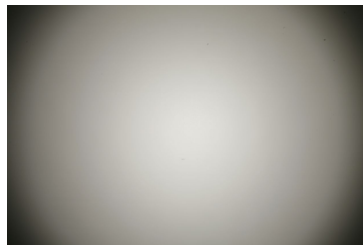
LED VERO13
 FWHM / FWTM 75.0° / 127.0°
 Efficiency 87 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL



Light distribution files



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

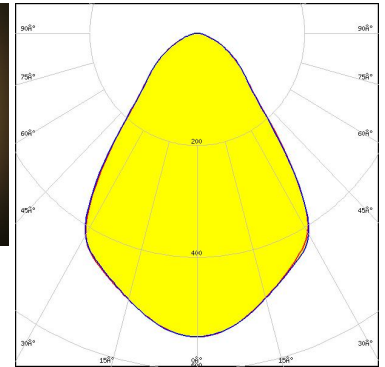
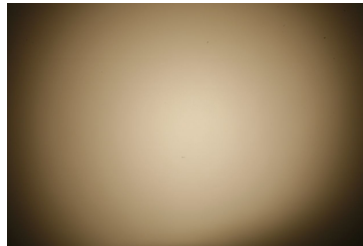


Light distribution files

OPTICAL RESULTS (MEASURED):



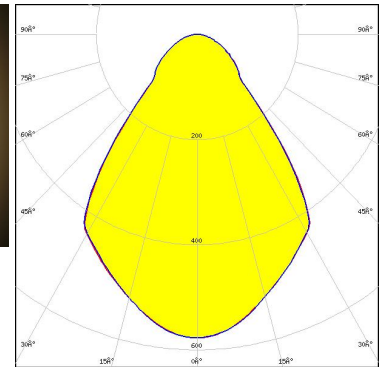
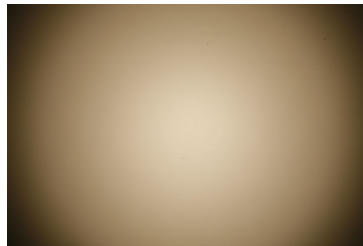
LED VERO18
FWHM / FWTM 75.0° / 128.0°
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL



Light distribution files



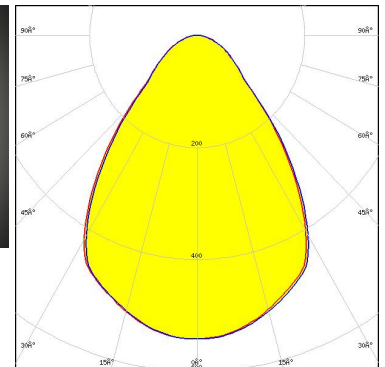
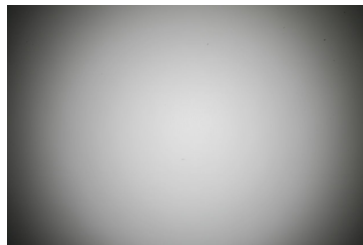
LED VERO18
FWHM / FWTM 76.0° / 128.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18



Light distribution files



LED VERO29
FWHM / FWTM 77.0° / 130.0°
Efficiency 91 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29

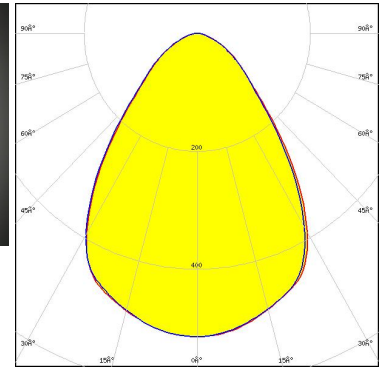
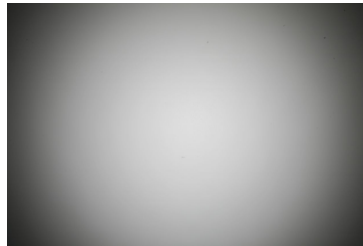


Light distribution files

OPTICAL RESULTS (MEASURED):



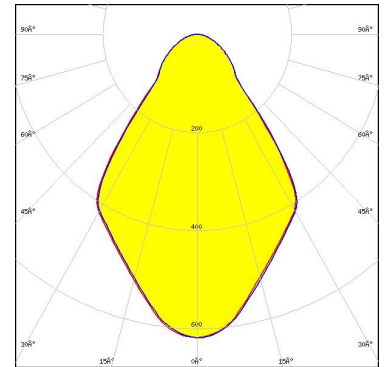
LED VERO29
FWHM / FWTM 77.0° / 129.0°
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL



Light distribution files

CITIZEN

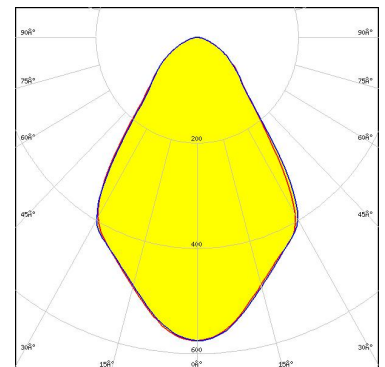
LED CL-L340
FWHM / FWTM 72.0° / 122.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C11995_LENINA-STD-BASE-CL340



Light distribution files

CITIZEN

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

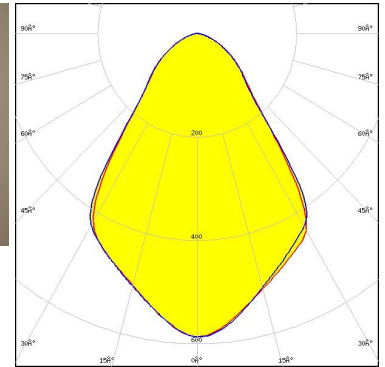
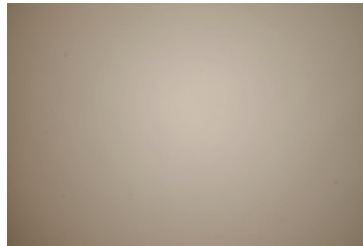


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

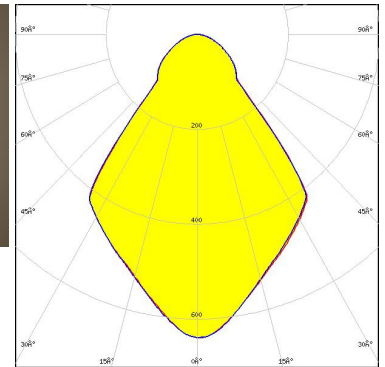
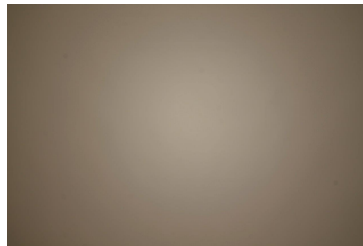
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

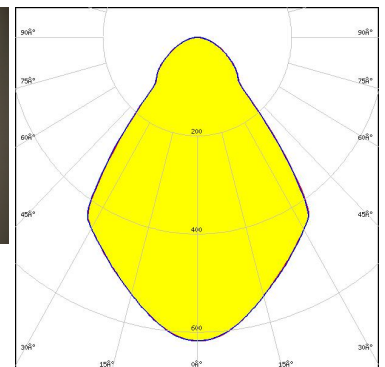
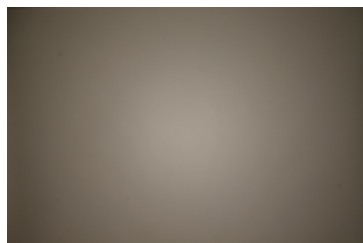
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 75.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 433 Typ L1

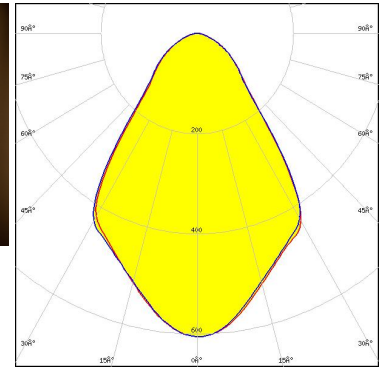
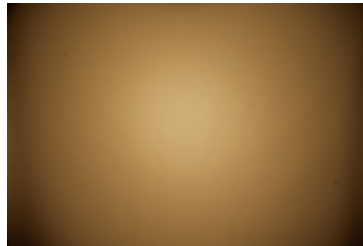


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

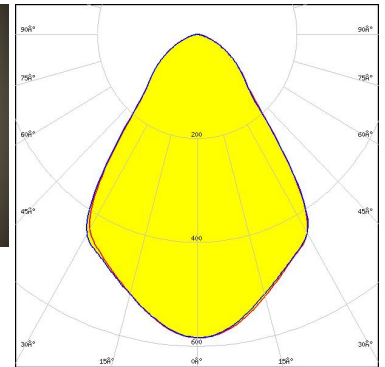
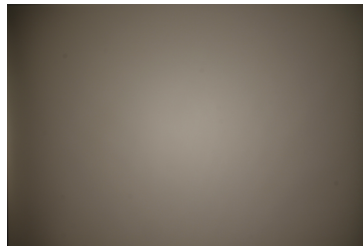
LED CLL03x/CLU03x
FWHM / FWTM 72.0° / 125.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENASTD-BASE-CLL030
C12606_LENINA-DL



Light distribution files

CITIZEN

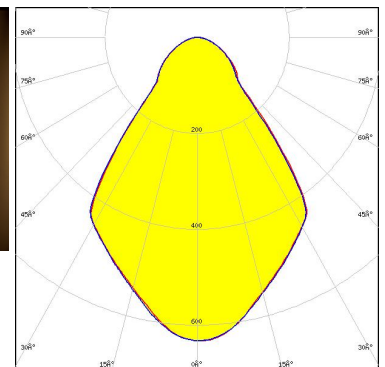
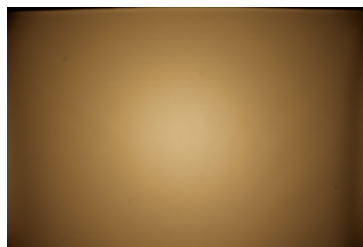
LED CLL03x/CLU03x
FWHM / FWTM 74.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENASTD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 433 Typ L1



Light distribution files

CITIZEN

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

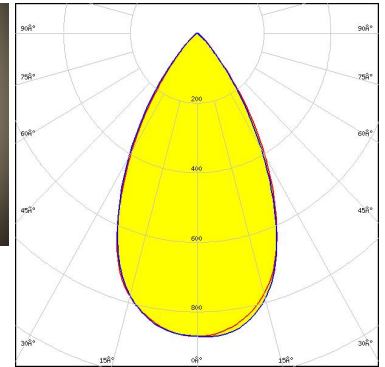
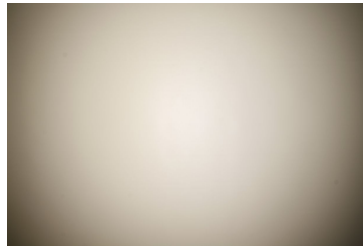


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

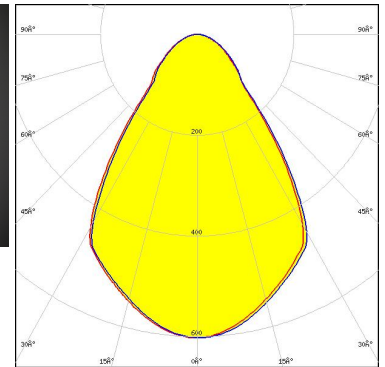
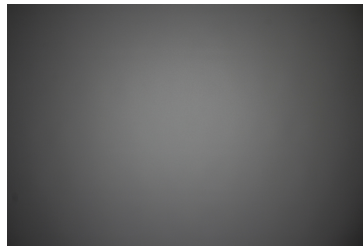
LED CLL04x/CLU04x
 FWHM / FWTM 73.0° / 126.0°
 Efficiency 81 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12606_LENINA-DL
 A.A.G. STUCCHI: 8102-G2 + S-8000-12



Light distribution files

CITIZEN

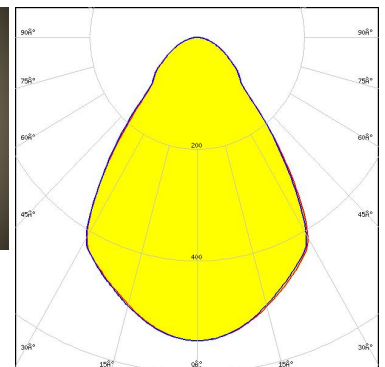
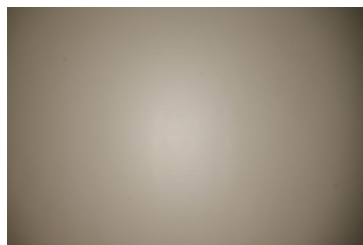
LED CLL04x/CLU04x
 FWHM / FWTM 72.0° / 124.0°
 Efficiency 91 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2204CT + 50-2100LN



Light distribution files

CITIZEN

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

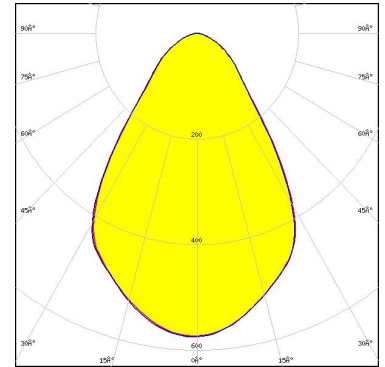


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

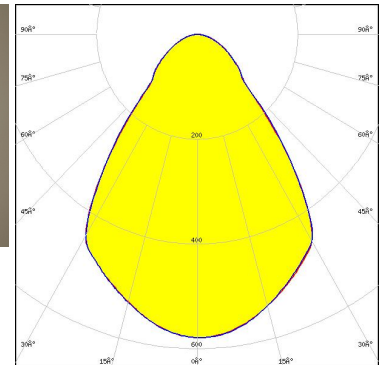
LED CLL04x/CLU04x
 FWHM / FWTM 71.0° / 124.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL



Light distribution files

CITIZEN

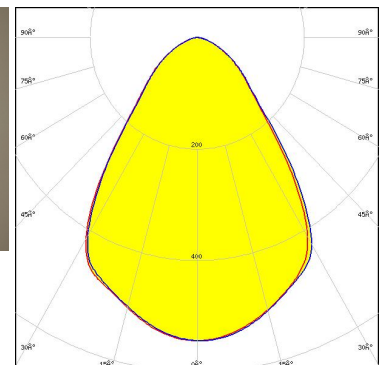
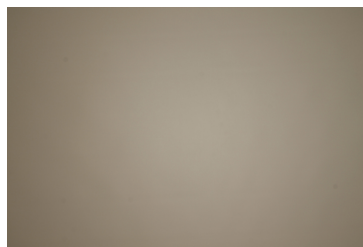
LED CLL04x/CLU04x
 FWHM / FWTM 75.0° / 127.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 431 Typ L3



Light distribution files

CITIZEN

LED CLL04x/CLU04x
 FWHM / FWTM 75.0° / 127.0°
 Efficiency 89 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 431 Typ L3

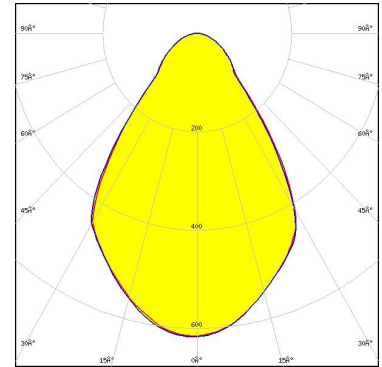


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

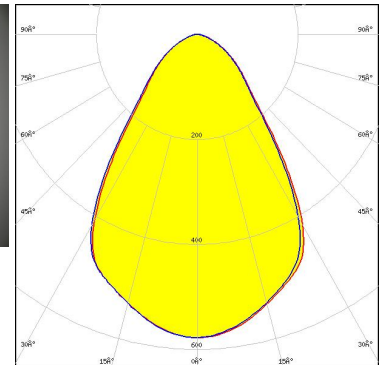
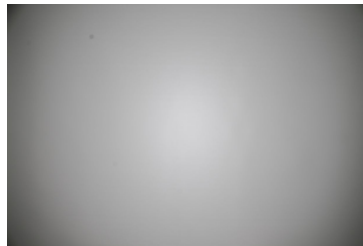
LED CLL04x/CLU04x
 FWHM / FWTM 71.0° / 122.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENASTD-BASE-CLL040



Light distribution files

CITIZEN

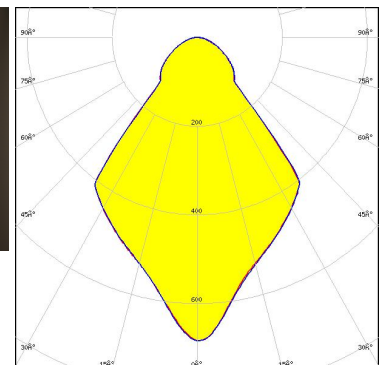
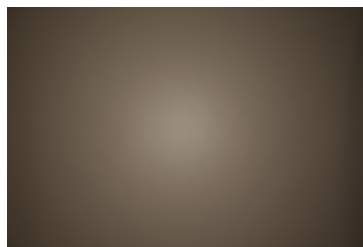
LED CLL04x/CLU04x
 FWHM / FWTM 71.0° / 124.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12606_LENINA-DL
 IDEAL: 50-2204CT + 50-2100LN



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 75.0° / 122.0°
 Efficiency 93 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 Bender Wirth: 434 Typ L1

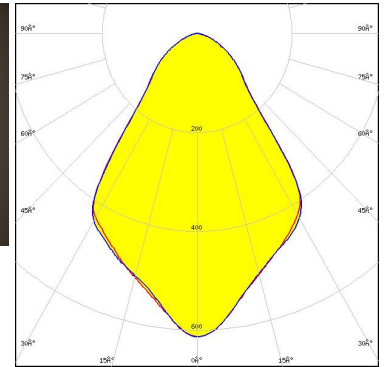
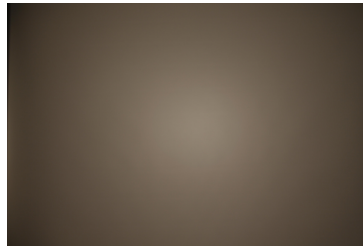


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

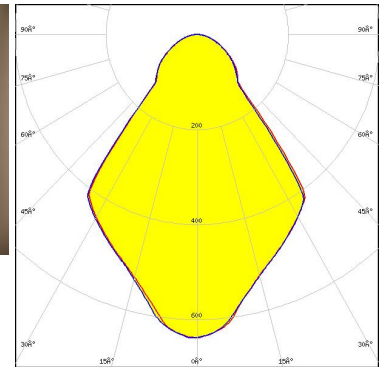
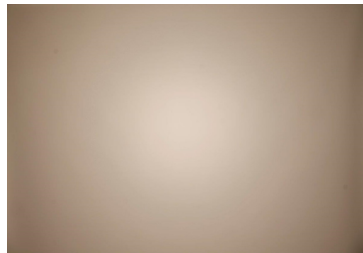
LED CLU700/701/702/703
 FWHM / FWTM 73.0° / 124.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

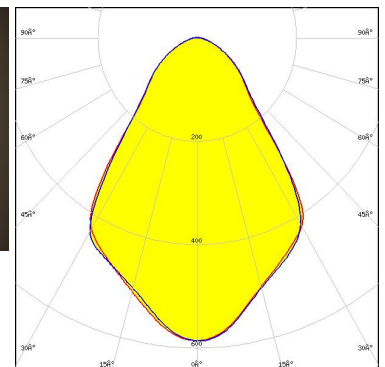
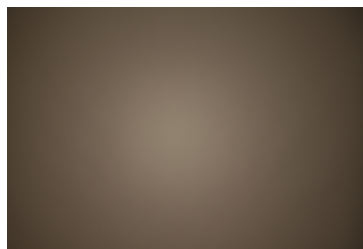
LED CLU710/711
 FWHM / FWTM 75.0° / 127.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12691_LENINA-STD-BASE-CLL030



Light distribution files

CITIZEN

LED CLU710/711
 FWHM / FWTM 73.0° / 127.0°
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12691_LENINA-STD-BASE-CLL030
 C12606_LENINA-DL

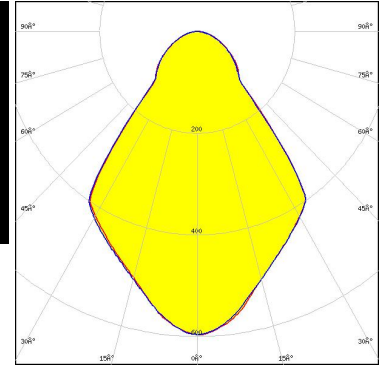


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

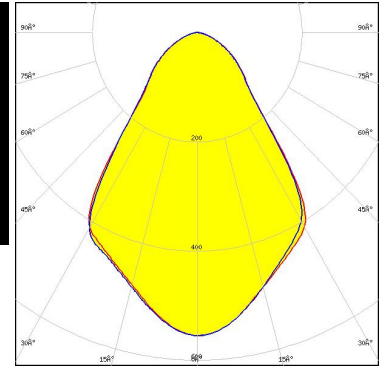
LED CLU720/721/723
FWHM / FWTM 74.0° / 127.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030



Light distribution files

CITIZEN

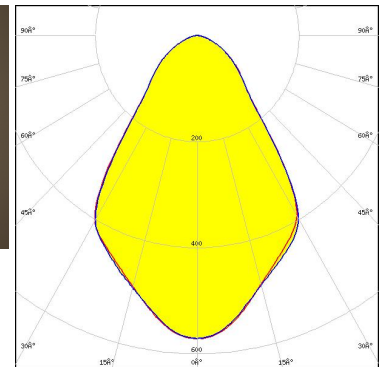
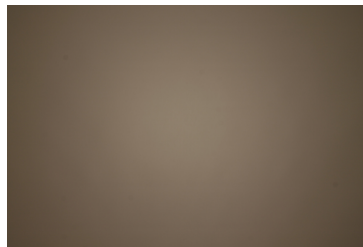
LED CLU720/721/723
FWHM / FWTM 73.0° / 127.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



Light distribution files

CITIZEN

LED CLU730/731/733
FWHM / FWTM 71.0° / 125.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040
C12606_LENINA-DL

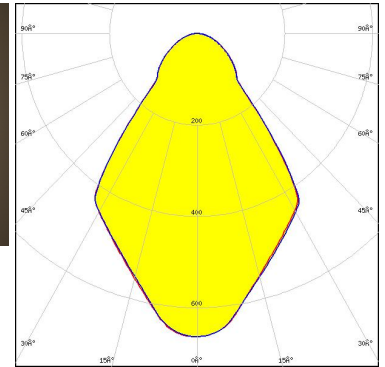
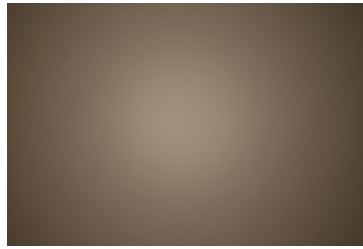


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

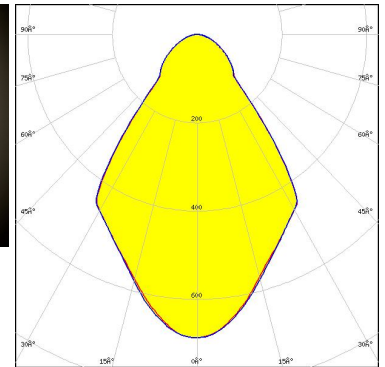
LED CLU730/731/733
FWHM / FWTM 72.0° / 124.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040



Light distribution files



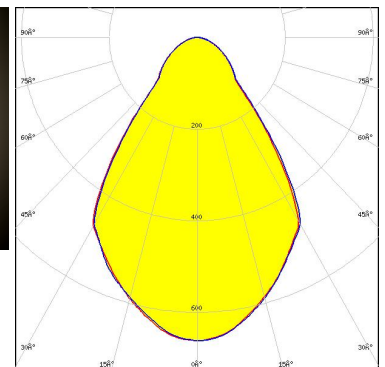
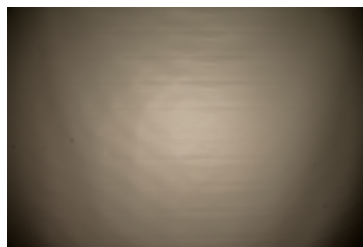
LED CMA1840
FWHM / FWTM 71.0° / 120.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14146_LENINA-STD-BASE-CXA18



Light distribution files



LED CMA2550
FWHM / FWTM 71.0° / 121.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13324_LENINA-STD-BASE-CXA25

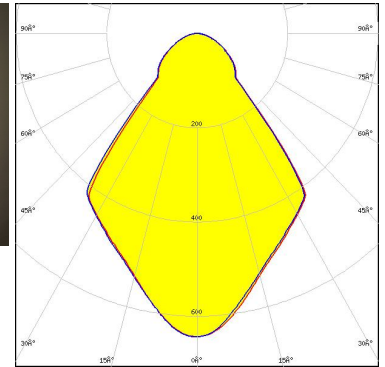


Light distribution files

OPTICAL RESULTS (MEASURED):



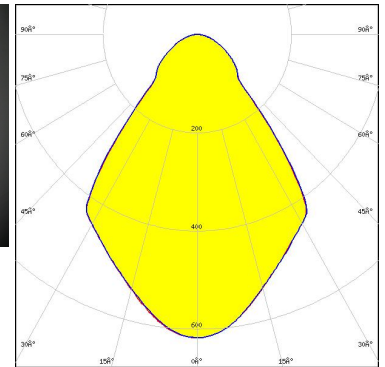
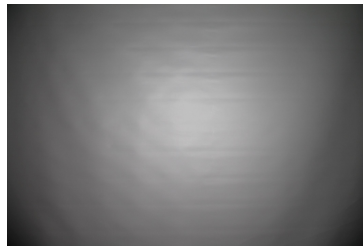
LED CMT14xx
 FWHM / FWTM 75.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 434 Typ L1



Light distribution files



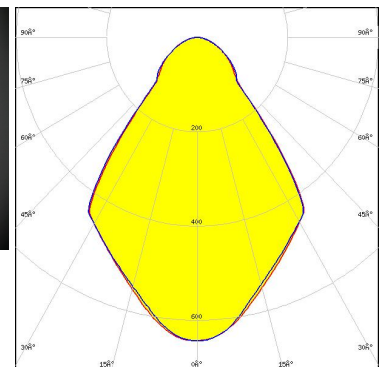
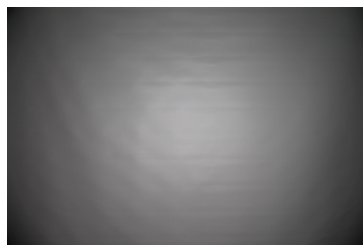
LED CMT19xx
 FWHM / FWTM 75.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 477 Typ L1



Light distribution files



LED CMT19xx
 FWHM / FWTM 74.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12691_LENINA-STD-BASE-CLL030

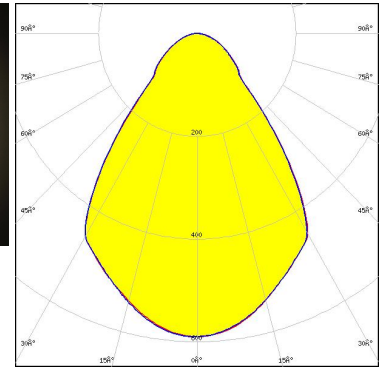


Light distribution files

OPTICAL RESULTS (MEASURED):



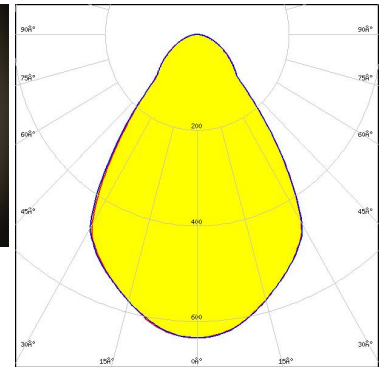
LED CMT28xx
FWHM / FWTM 75.0° / 126.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13867_LENINA-STD-BASE-VERO29
Bender Wirth: 471 Typ L3



Light distribution files



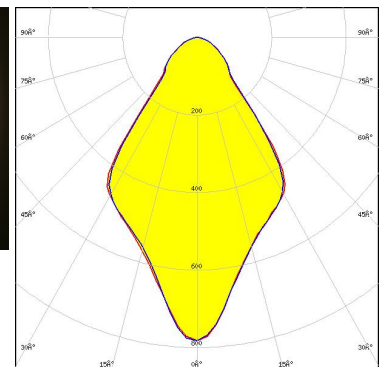
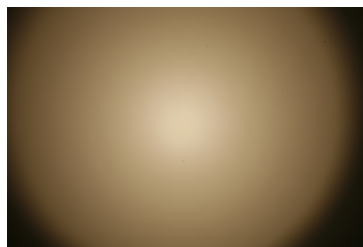
LED CMT28xx
FWHM / FWTM 72.0° / 123.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040



Light distribution files



LED CXA/B 15xx
FWHM / FWTM 70.0° / 113.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13186_LENINA-STD-BASE-CXA15

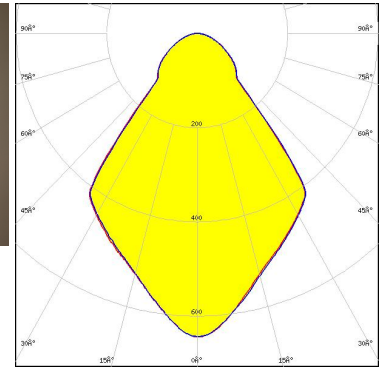
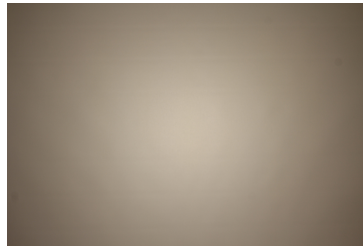


Light distribution files

OPTICAL RESULTS (MEASURED):



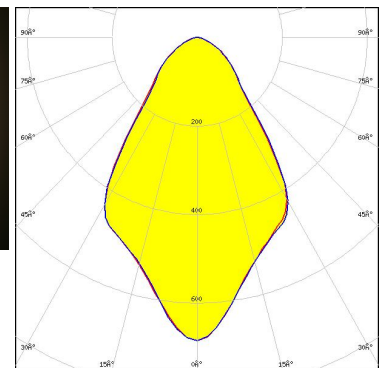
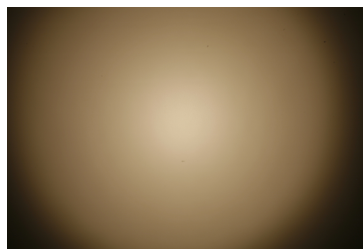
LED CXA/B 15xx
 FWHM / FWTM 75.0° / 124.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 441 Typ L1



Light distribution files



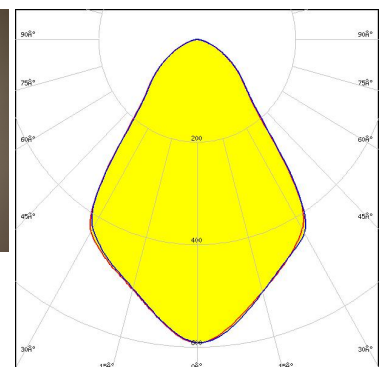
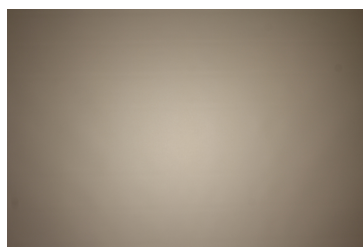
LED CXA/B 15xx
 FWHM / FWTM 69.0° / 120.0°
 Efficiency 86 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13186_LENINA-STD-BASE-CXA15
 C12606_LENINA-DL



Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 73.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 441 Typ L1



Light distribution files

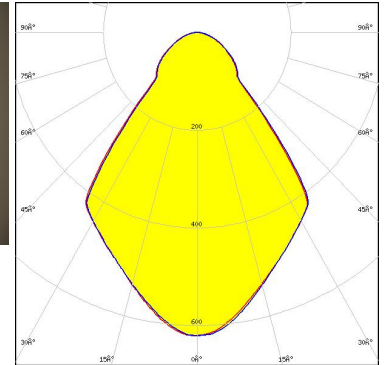
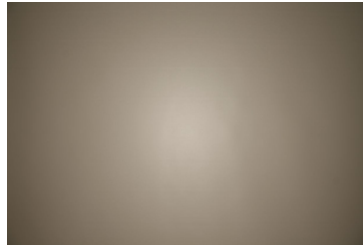
OPTICAL RESULTS (MEASURED):



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/type White
Required components:
C14146_LENINA-STD-BASE-CXA18
C12606_LENINA-DL



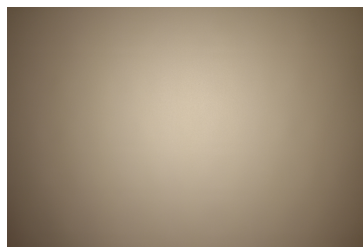
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 75.0° / 125.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 437 Typ L1



Light distribution files



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/type White
Required components:
C14146_LENINA-STD-BASE-CXA18

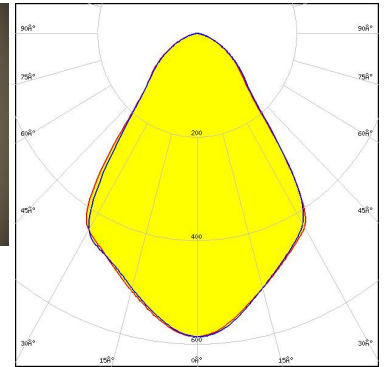
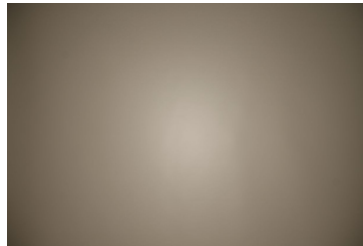


Light distribution files

OPTICAL RESULTS (MEASURED):



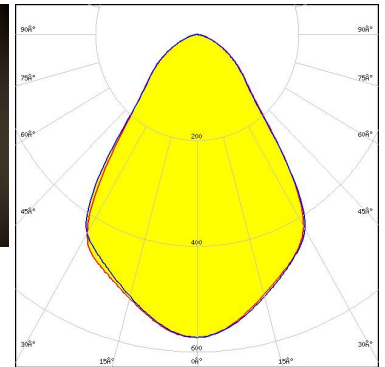
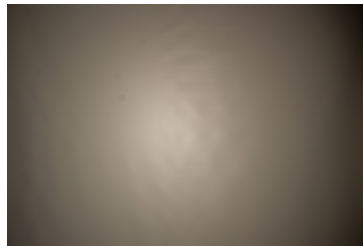
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 74.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 437 Typ L1



Light distribution files



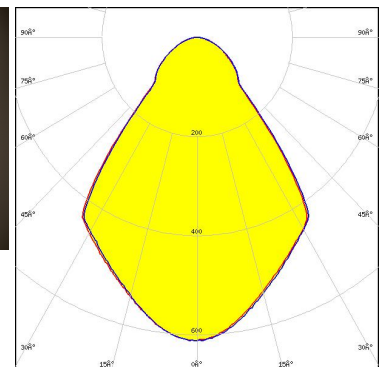
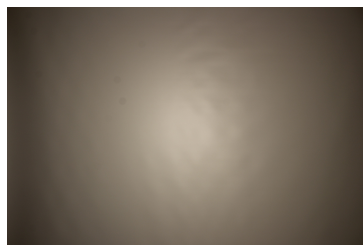
LED CXA/B 1830
 FWHM / FWTM 74.0° / 126.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 437 Typ L1



Light distribution files



LED CXA/B 1830
 FWHM / FWTM 75.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 437 Typ L1

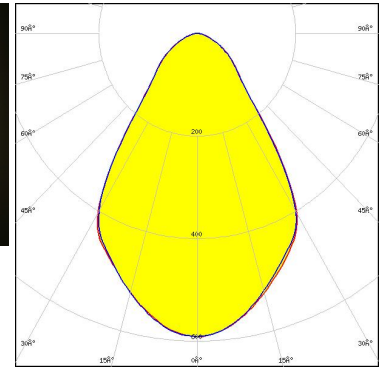
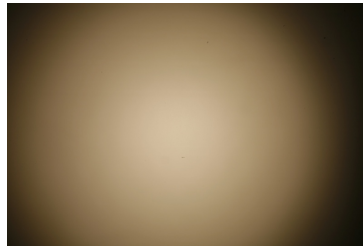


Light distribution files

OPTICAL RESULTS (MEASURED):



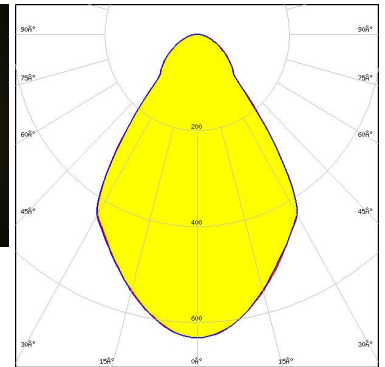
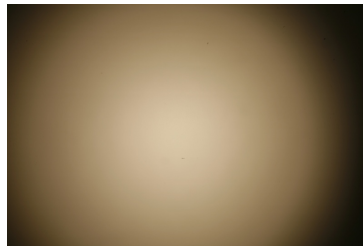
LED CXA/B 25xx
 FWHM / FWTM 70.0° / 120.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13324_LENINA-STD-BASE-CXA25
 C12606_LENINA-DL



Light distribution files



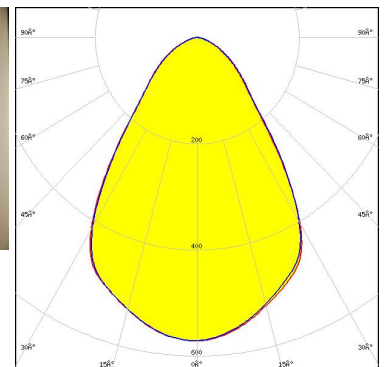
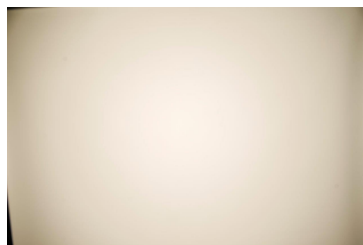
LED CXA/B 25xx
 FWHM / FWTM 70.0° / 120.0°
 Efficiency 89 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13324_LENINA-STD-BASE-CXA25



Light distribution files



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

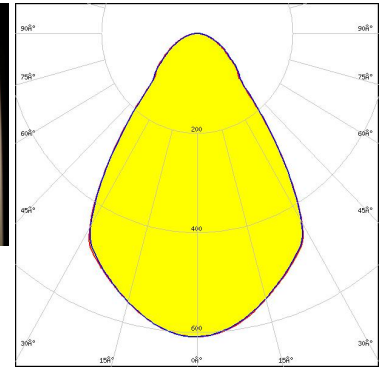
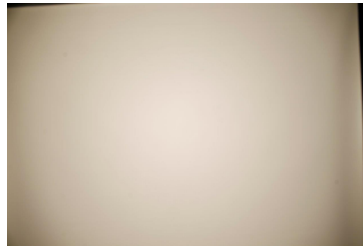


Light distribution files

OPTICAL RESULTS (MEASURED):



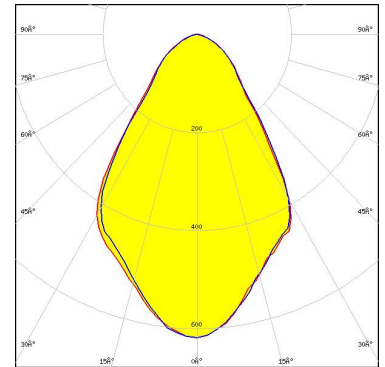
LED CXA/B 30xx
 FWHM / FWTM 72.0° / 123.0°
 Efficiency 91 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2234C + 50-2100LN



Light distribution files



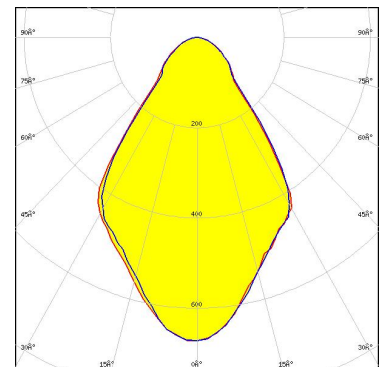
LED CXA2011
 FWHM / FWTM 70.0° / 123.0°
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12105_LENINA-STD-BASE-CXA20
 C12606_LENINA-DL



Light distribution files



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



Light distribution files

OPTICAL RESULTS (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/type White

Required components:

C13867_LENINA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 468 Typ L3



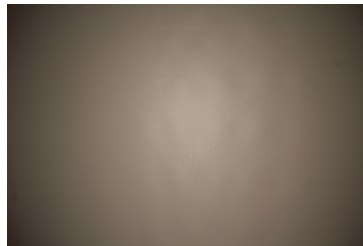
Light distribution files

EVERLIGHT

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

Required components:

C13867_LENINA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 468 Typ L3



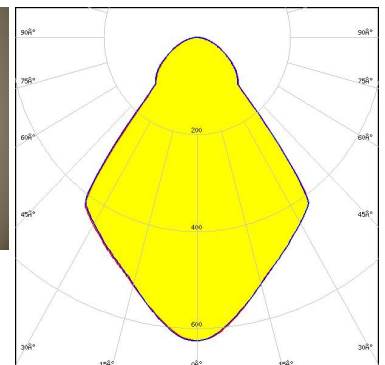
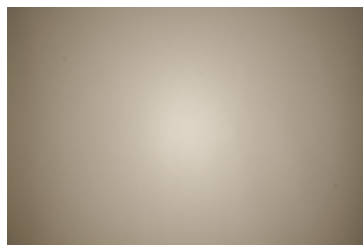
Light distribution files

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/type White

Required components:

C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 438 Typ L1

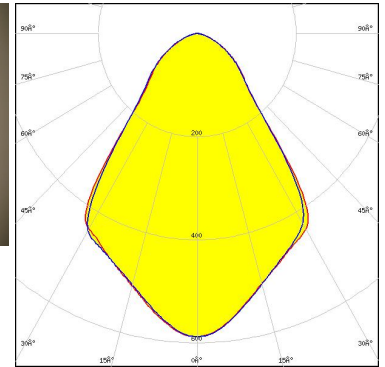


Light distribution files

OPTICAL RESULTS (MEASURED):



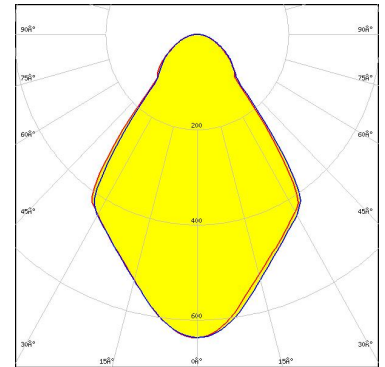
LED LUXEON CoB 1202/1203
FWHM / FWTM 74.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 438 Typ L1



Light distribution files



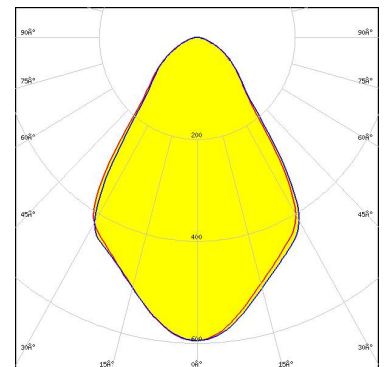
LED LUXEON CoB 1204/1205
FWHM / FWTM 73.0° / 123.0°
Efficiency 90 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ



Light distribution files



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/type White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL

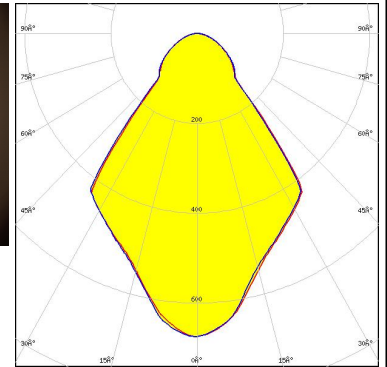
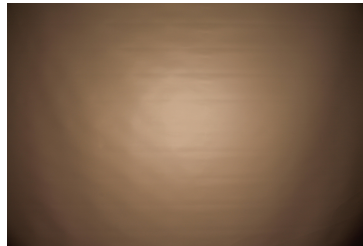


Light distribution files

OPTICAL RESULTS (MEASURED):



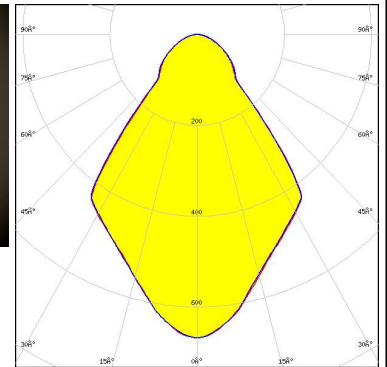
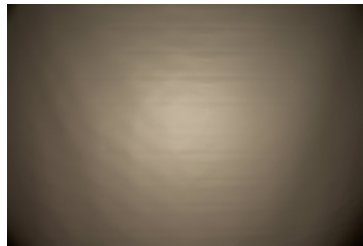
LED LUXEON CoB 1204HD
 FWHM / FWTM 74.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C11981_LENINA-STD-BASE-COB-L110



Light distribution files



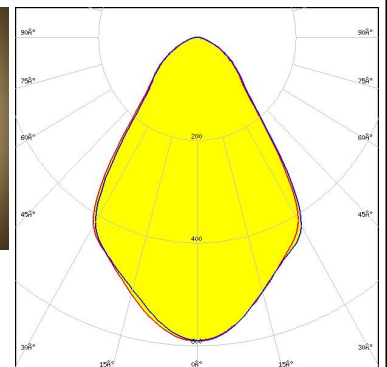
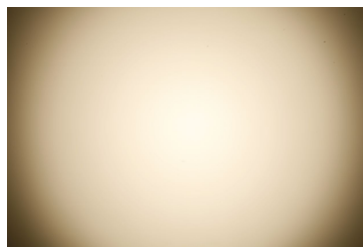
LED LUXEON CoB 1205HD
 FWHM / FWTM 74.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C11981_LENINA-STD-BASE-COB-L110



Light distribution files



LED LUXEON CoB 1208
 FWHM / FWTM 72.0° / 124.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL

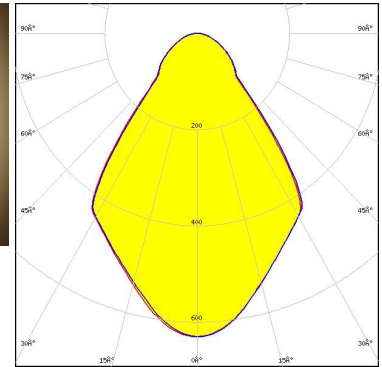
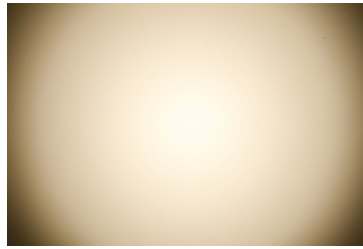


Light distribution files

OPTICAL RESULTS (MEASURED):



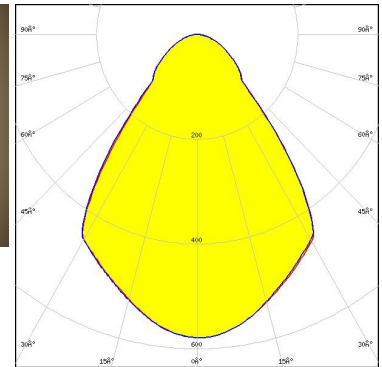
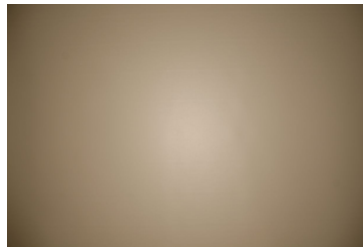
LED LUXEON CoB 1208
FWHM / FWTM 73.0° / 123.0°
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12292_LENINA-STD-BASE-MEZ



Light distribution files



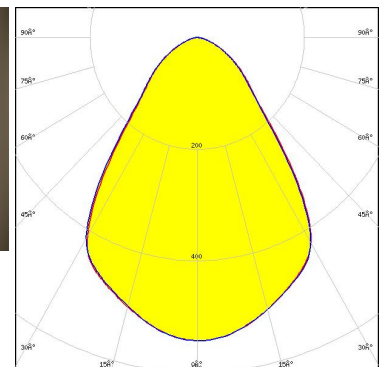
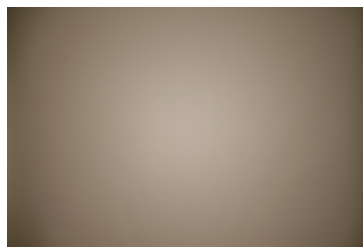
LED LUXEON CoB 1211
FWHM / FWTM 76.0° / 127.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 431 Typ L3



Light distribution files



LED LUXEON CoB 1211
FWHM / FWTM 75.0° / 127.0°
Efficiency 88 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 431 Typ L3

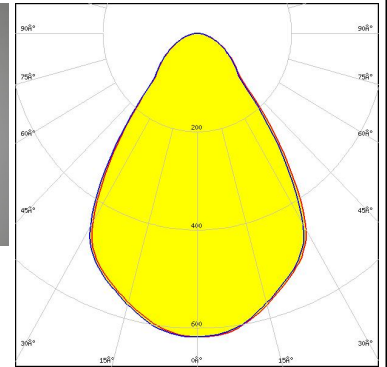


Light distribution files

OPTICAL RESULTS (MEASURED):



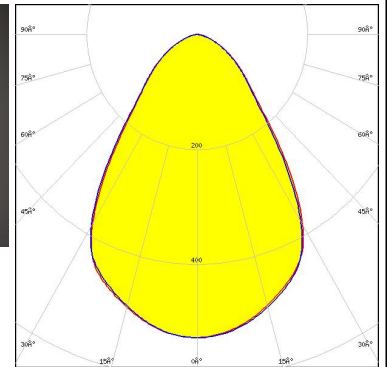
LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 73.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040



Light distribution files



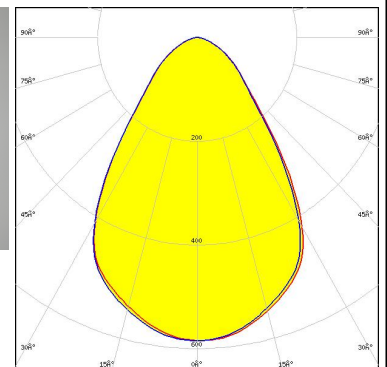
LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 73.0° / 126.0°
 Efficiency 83 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12606_LENINA-DL
 A.A.G. STUCCHI: 8102-G2 + S-8000-12



Light distribution files



LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 72.0° / 125.0°
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL

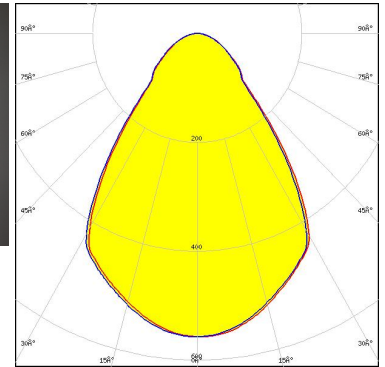
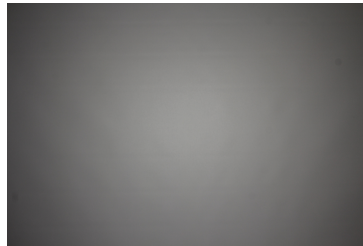


Light distribution files

OPTICAL RESULTS (MEASURED):



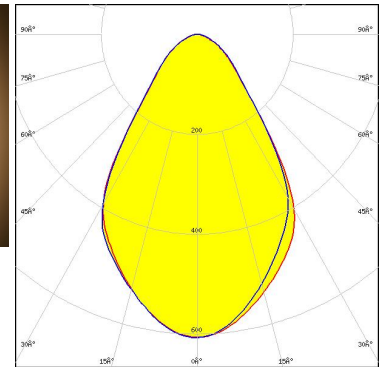
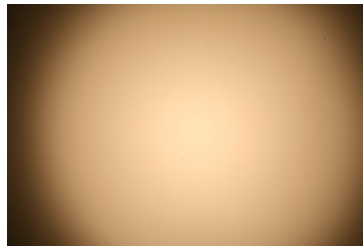
LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 74.0° / 127.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 A.A.G. STUCCHI: 8102-G2 + S-8000-12



Light distribution files



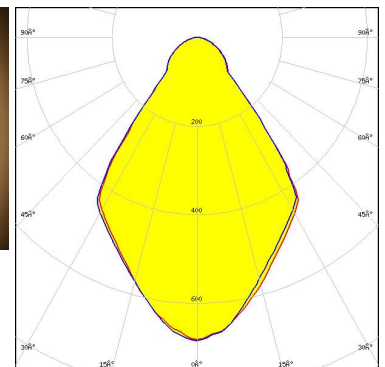
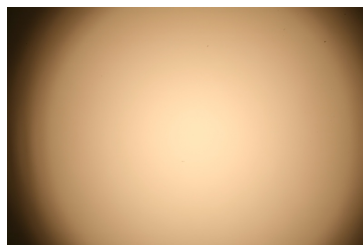
LED LUXEON K12
 FWHM / FWTM 68.0° / 118.0°
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12924_LENINA-STD-BASE-LUXEON-K
 C12606_LENINA-DL



Light distribution files



LED LUXEON K12
 FWHM / FWTM 72.0° / 115.0°
 Efficiency 90 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12924_LENINA-STD-BASE-LUXEON-K

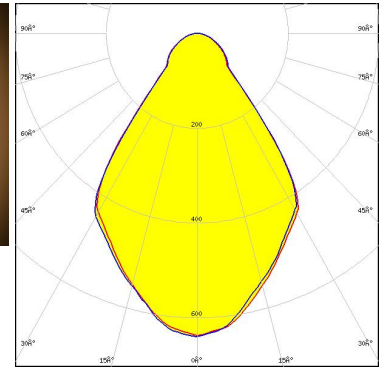
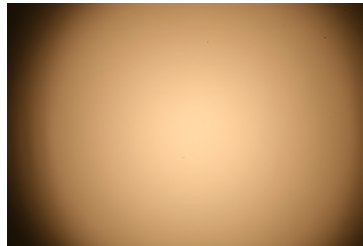


Light distribution files

OPTICAL RESULTS (MEASURED):



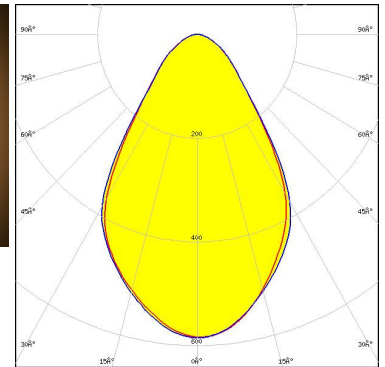
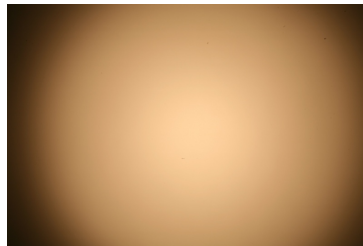
LED LUXEON K16
FWHM / FWTM 72.0° / 116.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12924_LENASTD-BASE-LUXEON-K



Light distribution files



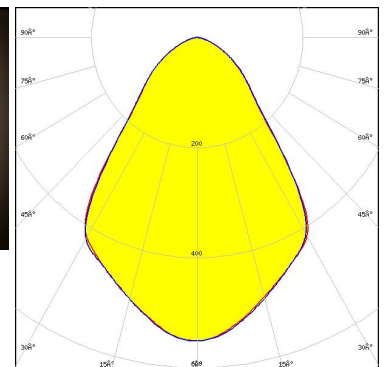
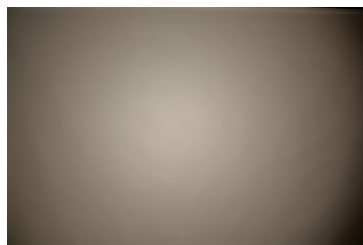
LED LUXEON K16
FWHM / FWTM 68.0° / 120.0°
Efficiency 80 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12924_LENASTD-BASE-LUXEON-K
 C12606_LENINA-DL



Light distribution files



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/type White
Required components:
 C13868_LENASTD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 491 Typ L2

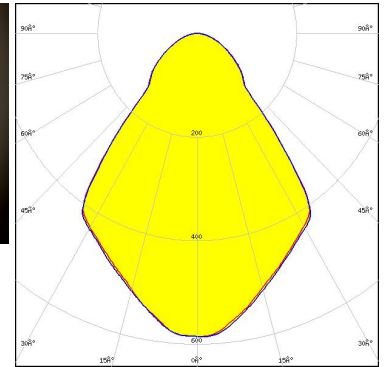


Light distribution files

OPTICAL RESULTS (MEASURED):



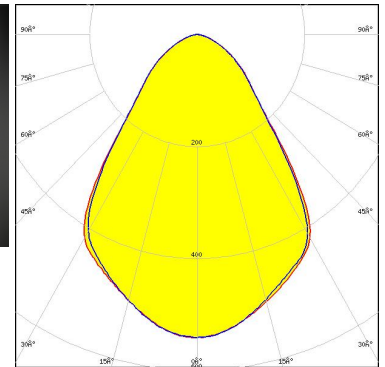
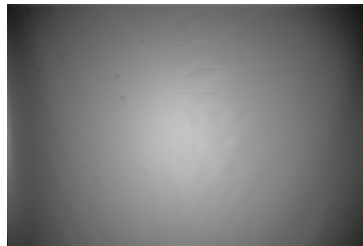
LED CDM-14 (Dim-To-Warm)
FWHM / FWTM 77.0° / 129.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 491 Typ L2



Light distribution files



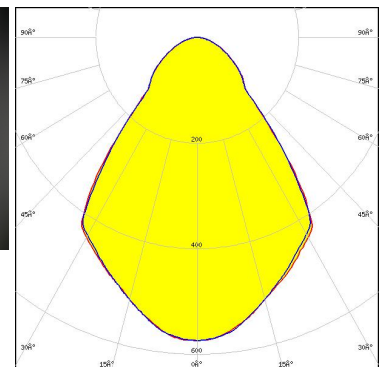
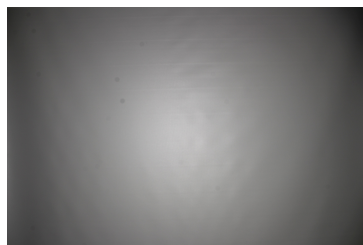
LED CDM-18 (Dim-To-Warm)
FWHM / FWTM 75.0° / 128.0°
Efficiency 89 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 491 Typ L2



Light distribution files



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/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 491 Typ L2

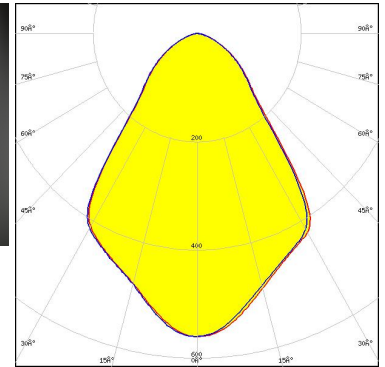
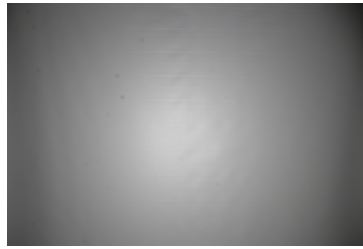


Light distribution files

OPTICAL RESULTS (MEASURED):



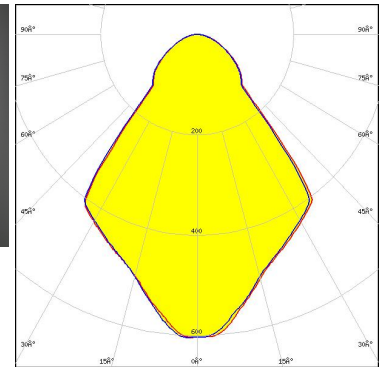
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 74.0° / 127.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 490 Typ L1



Light distribution files



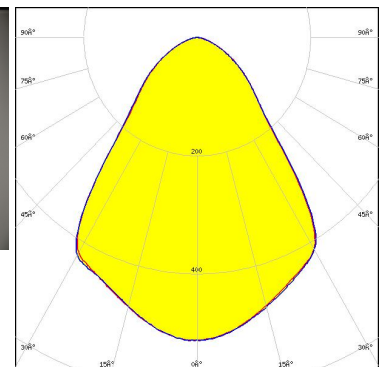
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 76.0° / 128.0°
 Efficiency 92 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 490 Typ L1



Light distribution files



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/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 442 Typ L3

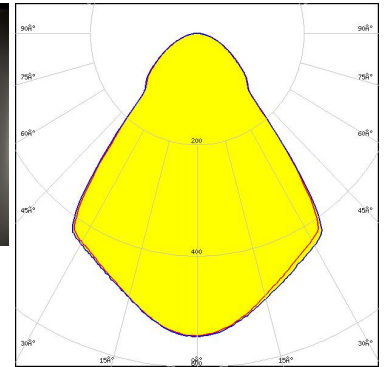
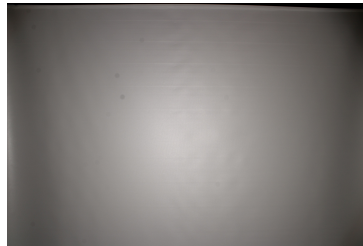


Light distribution files

OPTICAL RESULTS (MEASURED):



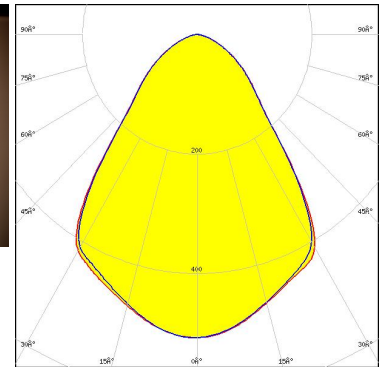
LED CTM-14 (Tunable White)
FWHM / FWTM 77.0° / 131.0°
Efficiency 92 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13867_LENINA-STD-BASE-VERO29
Bender Wirth: 442 Typ L3



Light distribution files



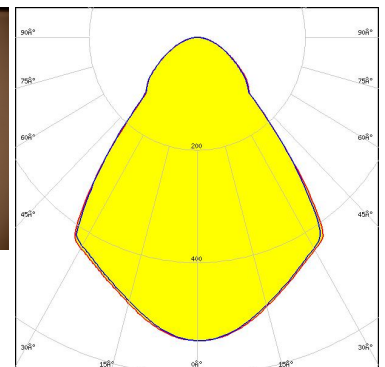
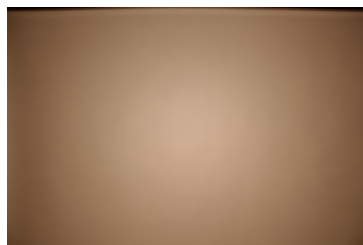
LED CTM-18 (Tunable White)
FWHM / FWTM 77.0° / 129.0°
Efficiency 87 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13867_LENINA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 442 Typ L3



Light distribution files



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/type White
Required components:
C13867_LENINA-STD-BASE-VERO29
Bender Wirth: 442 Typ L3

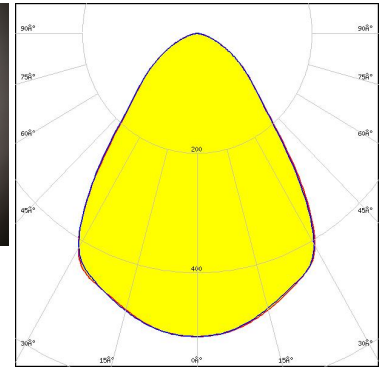
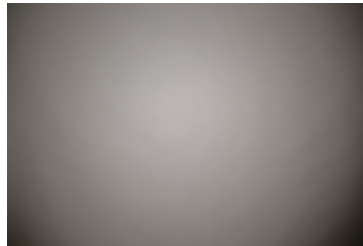


Light distribution files

OPTICAL RESULTS (MEASURED):



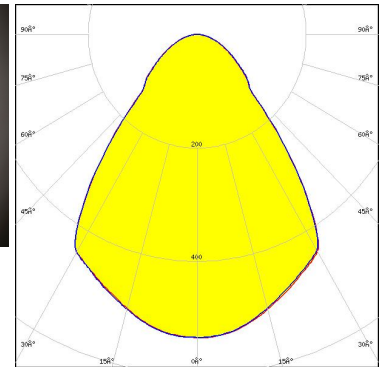
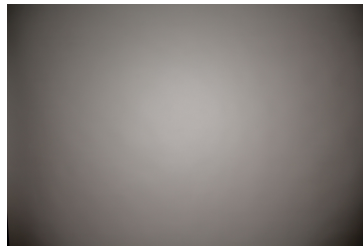
LED CTM-22 (Tunable White)
FWHM / FWTM 77.0° / 129.0°
Efficiency 88 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13867_LENINA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 494 Typ L3



Light distribution files



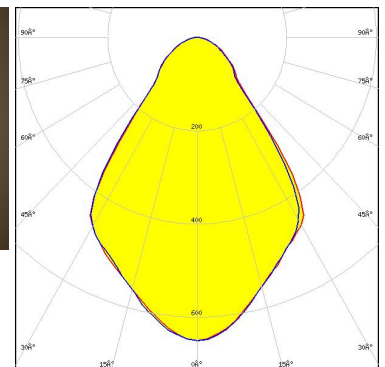
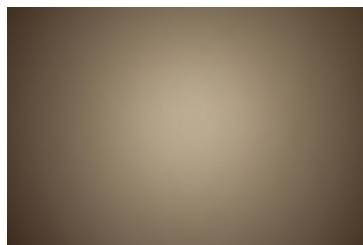
LED CTM-22 (Tunable White)
FWHM / FWTM 78.0° / 131.0°
Efficiency 92 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13867_LENINA-STD-BASE-VERO29
Bender Wirth: 494 Typ L3



Light distribution files



LED CxM-14 (19x19)
FWHM / FWTM 74.0° / 124.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030



Light distribution files

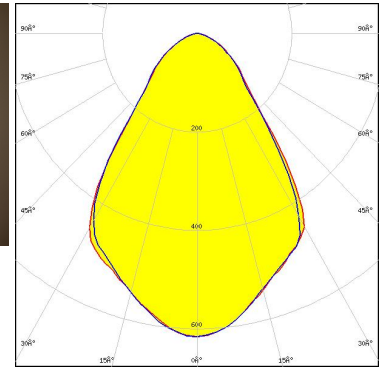
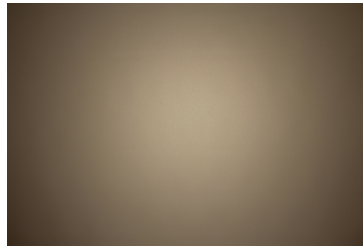
OPTICAL RESULTS (MEASURED):



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

Required components:

C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



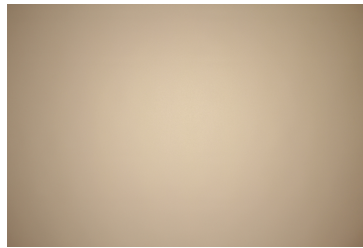
Light distribution files



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

Required components:

C12692_LENINA-STD-BASE-CLL040



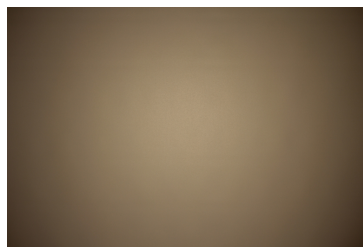
Light distribution files



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

Required components:

C12692_LENINA-STD-BASE-CLL040
C12606_LENINA-DL

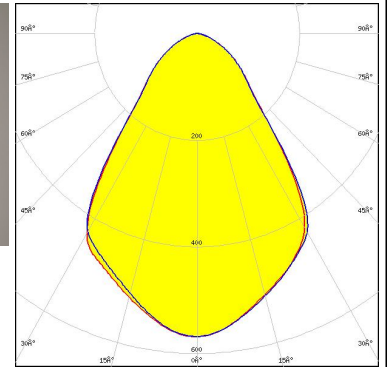


Light distribution files

OPTICAL RESULTS (MEASURED):



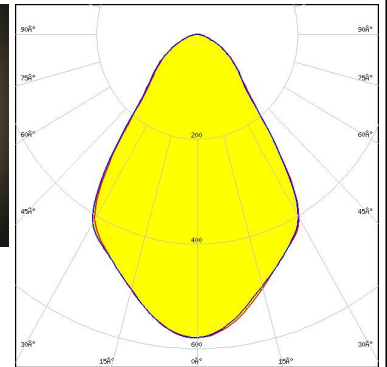
LED COB J-Type
FWHM / FWTM 74.0° / 126.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 463 Typ L2



Light distribution files



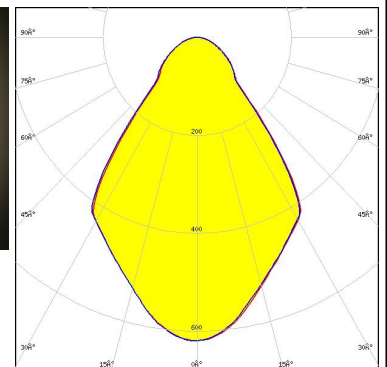
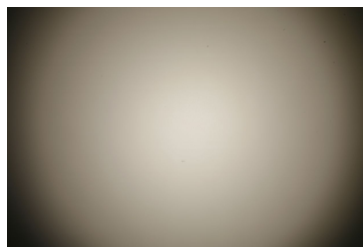
LED COB J-Type
FWHM / FWTM 72.0° / 124.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL



Light distribution files



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

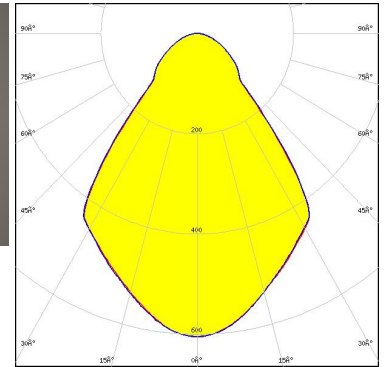
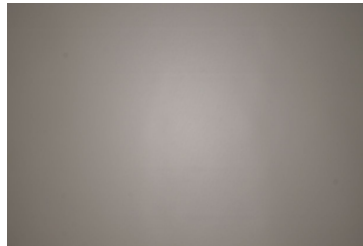


Light distribution files

OPTICAL RESULTS (MEASURED):



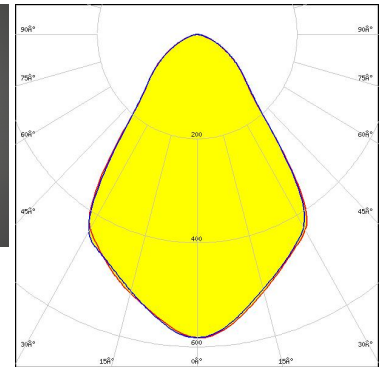
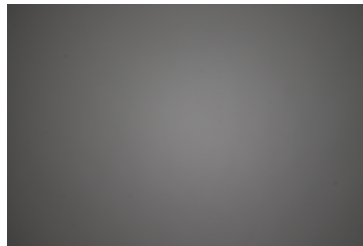
LED COB J-Type
FWHM / FWTM 76.0° / 127.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 463 Typ L2



Light distribution files



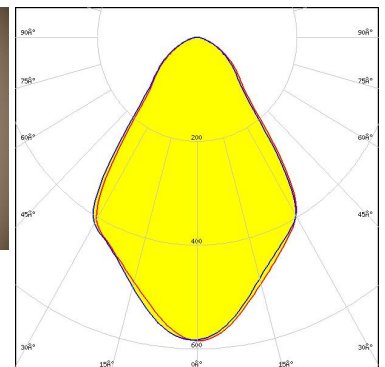
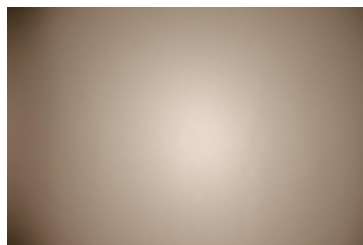
LED COB L-Type (LES 11)
FWHM / FWTM 73.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 438 Typ L1



Light distribution files



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/type White
Required components:
C11981_LENINA-STD-BASE-COB-L110
C12606_LENINA-DL

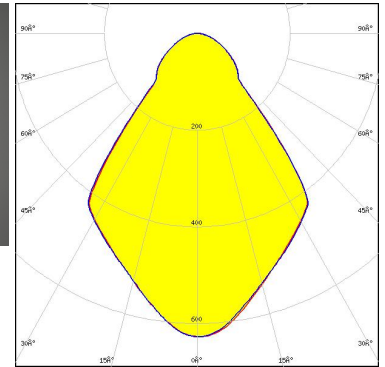


Light distribution files

OPTICAL RESULTS (MEASURED):



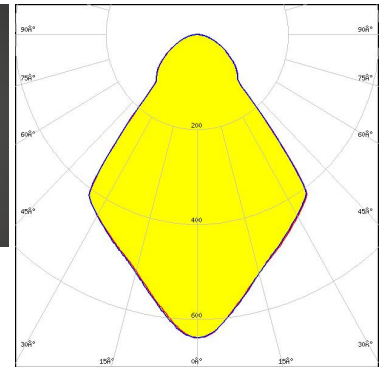
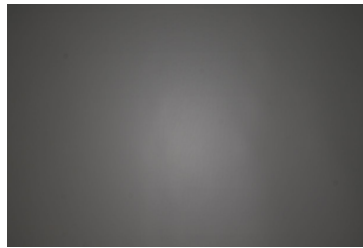
LED COB L-Type (LES 11)
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENNA-STD-BASE-VERO13-18
 Bender Wirth: 438 Typ L1



Light distribution files



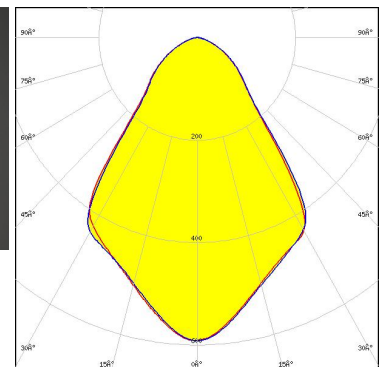
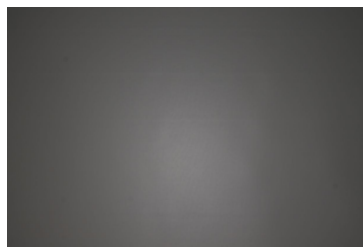
LED COB L-Type (LES 9)
 FWHM / FWTM 76.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENNA-STD-BASE-VERO13-18
 Bender Wirth: 438 Typ L1



Light distribution files



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/type White
 Required components:
 C13868_LENNA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 438 Typ L1

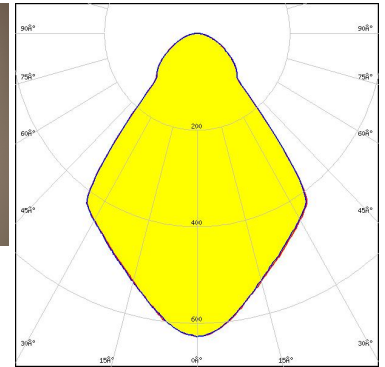
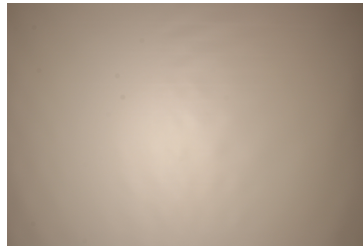


Light distribution files

OPTICAL RESULTS (MEASURED):



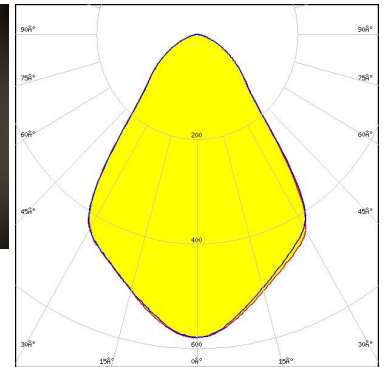
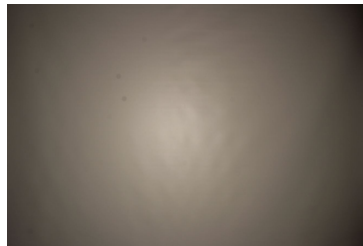
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 Bender Wirth: 498 Typ L2



Light distribution files



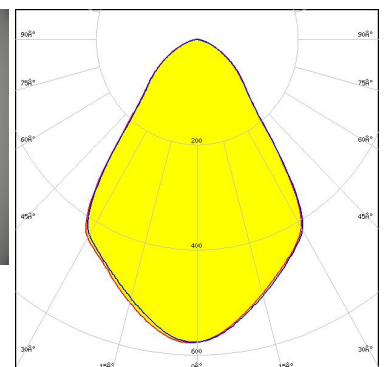
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 74.0° / 125.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 498 Typ L2



Light distribution files



LED Soleriq S13
 FWHM / FWTM 73.0° / 126.0°
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENASTD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 437 Typ L1

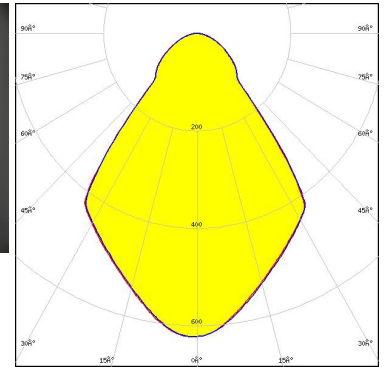
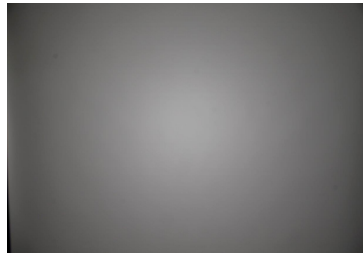


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

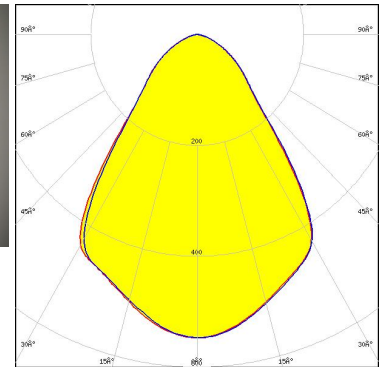
LED Soleriq S13
 FWHM / FWTM 75.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 437 Typ L1



Light distribution files

OSRAM
Opto Semiconductors

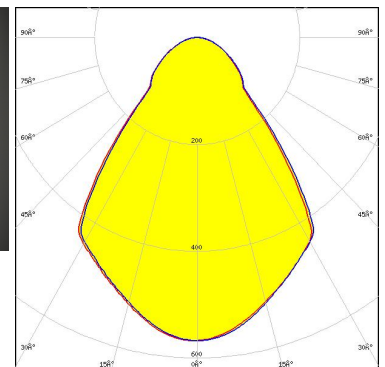
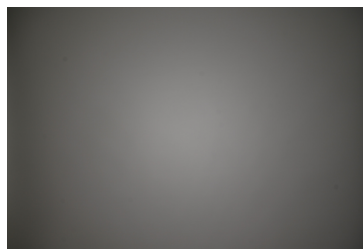
LED Soleriq S19
 FWHM / FWTM 75.0° / 127.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 462 Typ L3



Light distribution files

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/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 462 Typ L3

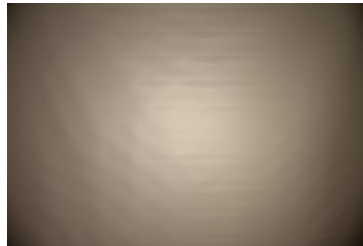


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

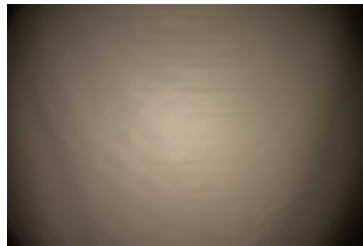
LED Fortimo SLM L13 CoB
FWHM / FWTM 74.0° / 123.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ



Light distribution files

PHILIPS

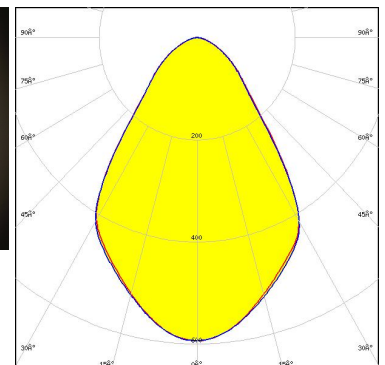
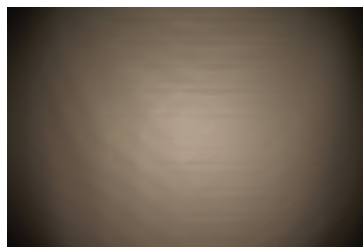
LED Fortimo SLM L13 CoB
FWHM / FWTM 71.0° / 122.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL



Light distribution files

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/type White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL

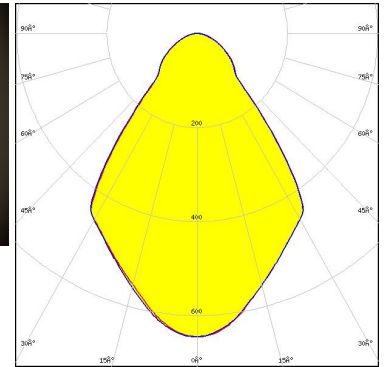


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

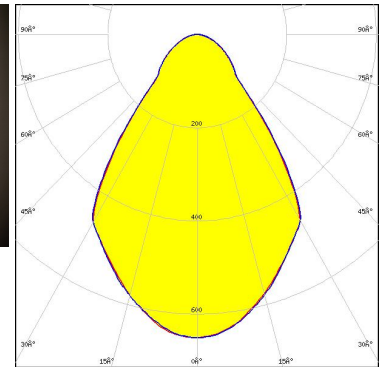
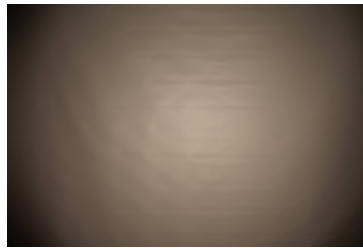
LED Fortimo SLM L15 CoB
FWHM / FWTM 73.0° / 123.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENASTD-BASE-MEZ



Light distribution files

PHILIPS

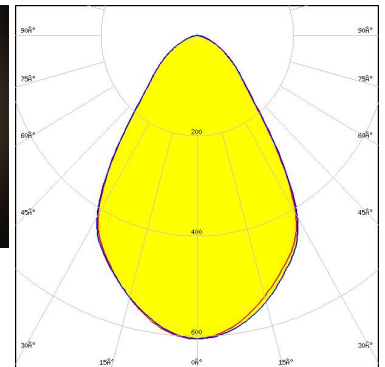
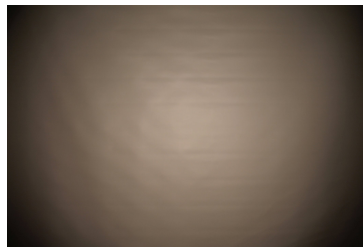
LED Fortimo SLM L19 CoB
FWHM / FWTM 72.0° / 122.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENASTD-BASE-CLL040



Light distribution files

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/type White
Required components:
C12692_LENASTD-BASE-CLL040
C12606_LENINA-DL

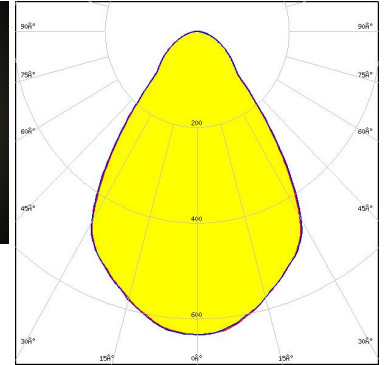


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

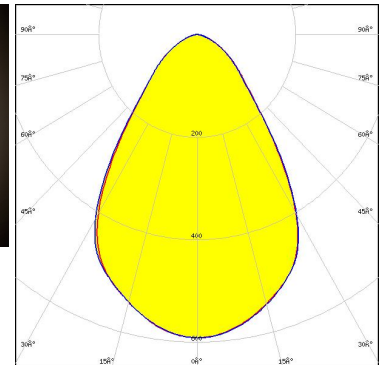
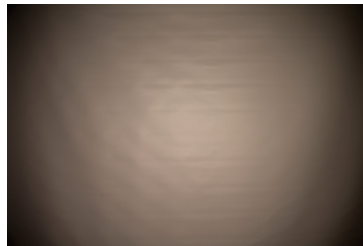
LED Fortimo SLM L23 CoB
FWHM / FWTM 72.0° / 122.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENASTD-BASE-CLL040



Light distribution files

PHILIPS

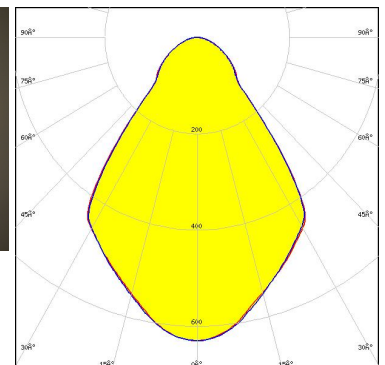
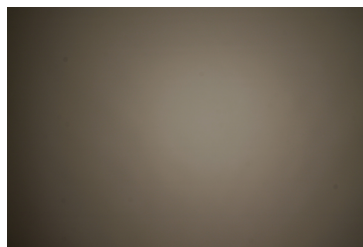
LED Fortimo SLM L23 CoB
FWHM / FWTM 71.0° / 122.0°
Efficiency 88 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENASTD-BASE-CLL040
C12606_LENINA-DL



Light distribution files

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/type White
Required components:
C12691_LENASTD-BASE-CLL030

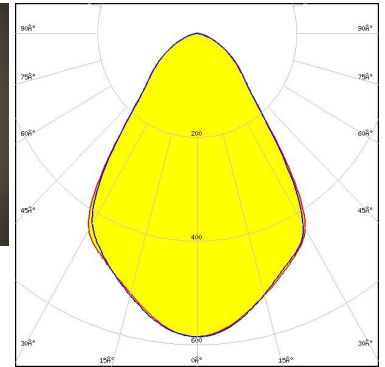
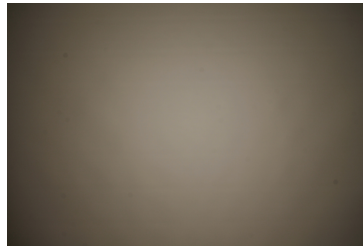


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

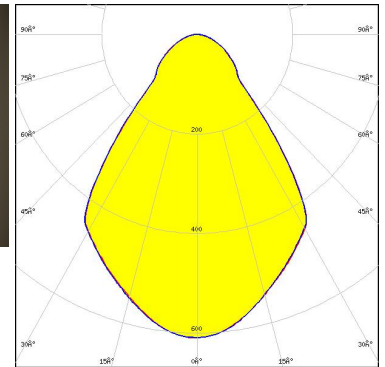
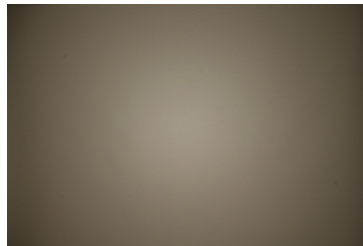
LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 73.0° / 125.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



Light distribution files

SAMSUNG

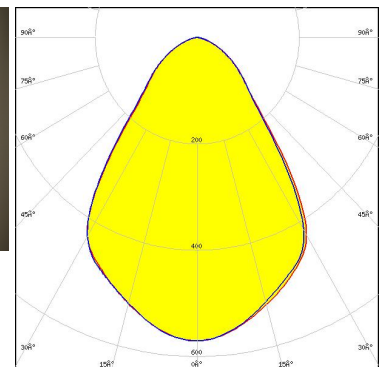
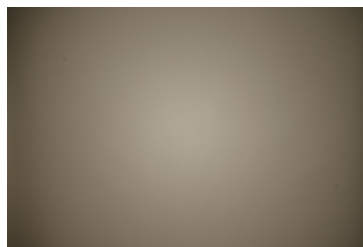
LED LC026B / 033B / 040B
FWHM / FWTM 75.0° / 126.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 450 Typ L2



Light distribution files

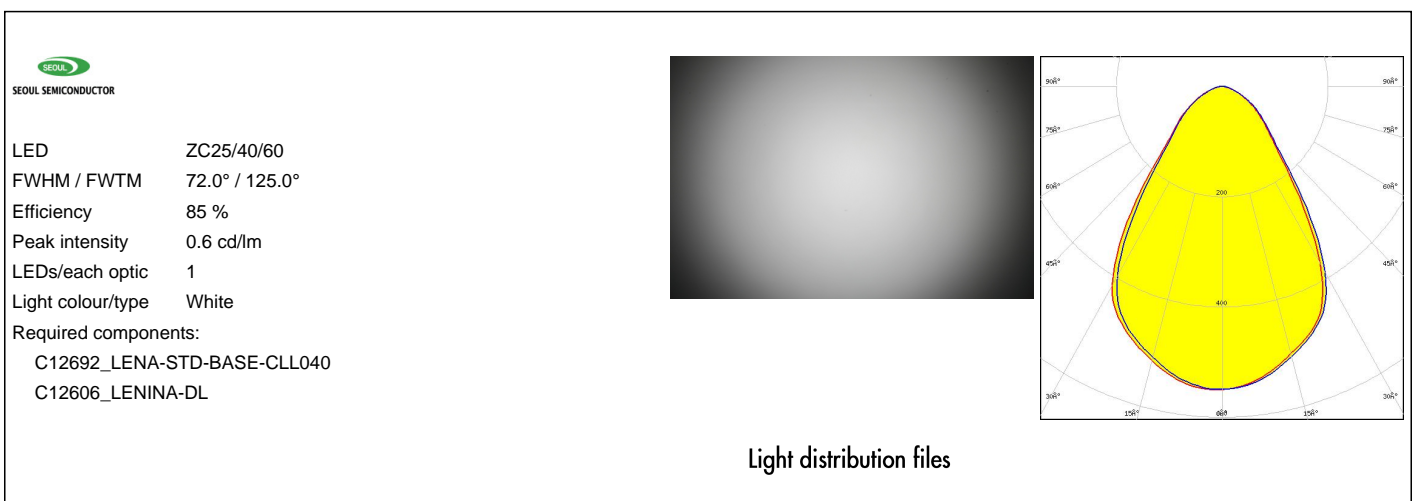
SAMSUNG

LED LC026B / 033B / 040B
FWHM / FWTM 74.0° / 126.0°
Efficiency 90 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 450 Typ L2

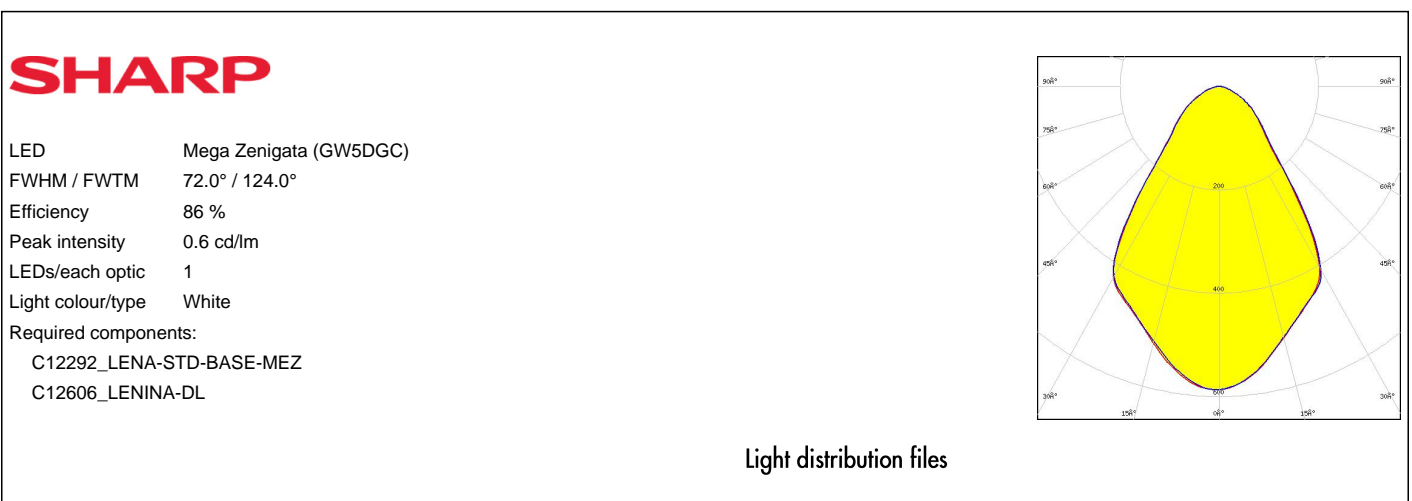
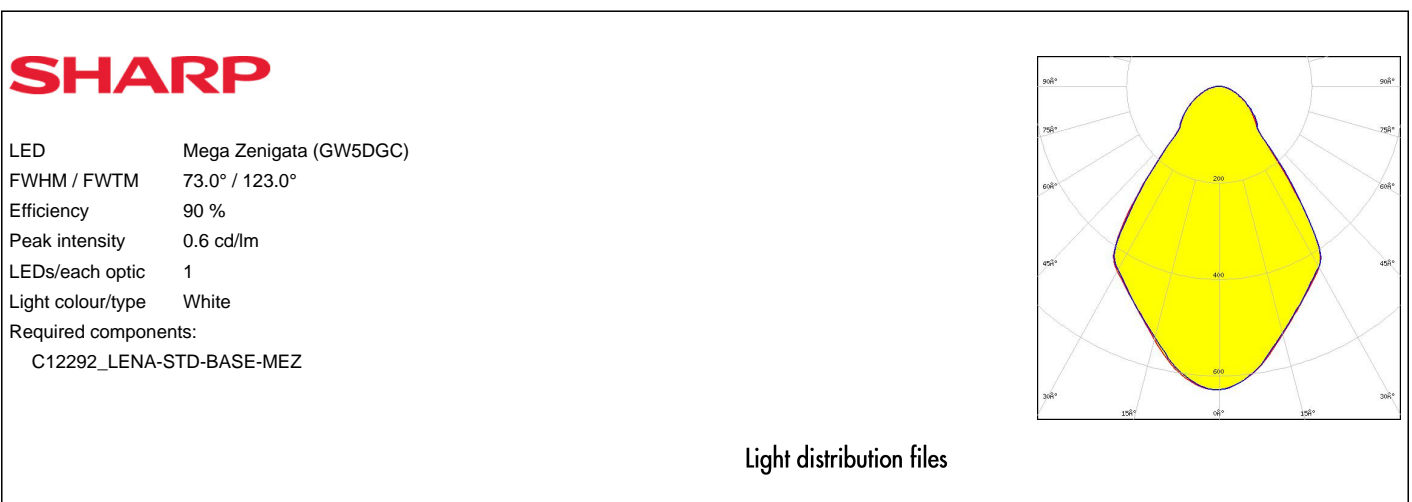
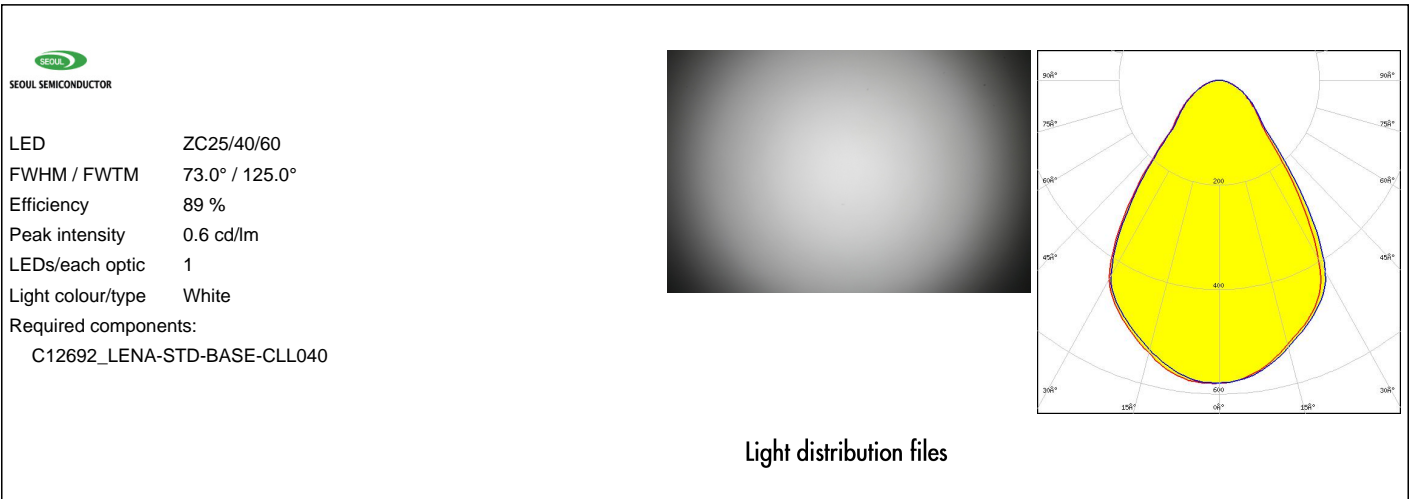


Light distribution files

OPTICAL RESULTS (MEASURED):



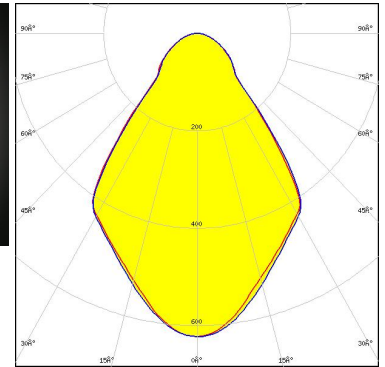
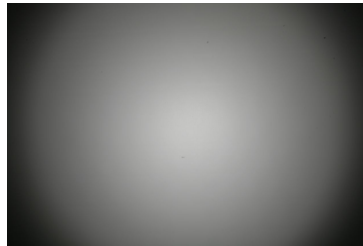
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

SHARP

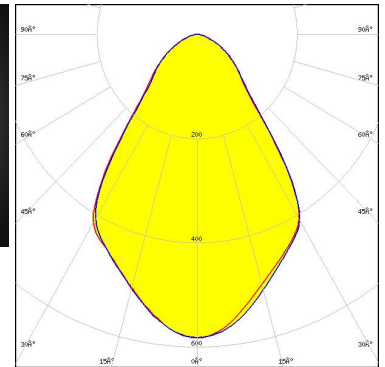
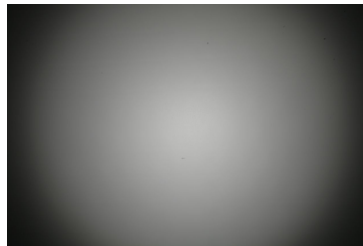
LED Mega Zenigata (GW6DME)
FWHM / FWTM 73.0° / 123.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENASTD-BASE-MEZ



Light distribution files

SHARP

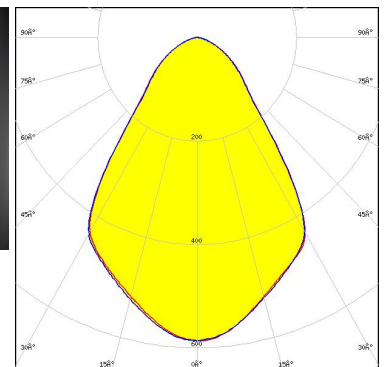
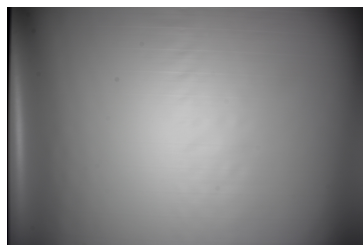
LED Mega Zenigata (GW6DME)
FWHM / FWTM 72.0° / 124.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENASTD-BASE-MEZ
C12606_LENINA-DL



Light distribution files

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/type White
Required components:
C12691_LENASTD-BASE-CLL030

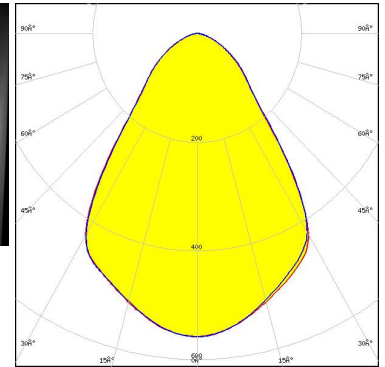
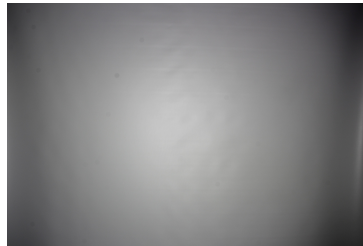


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

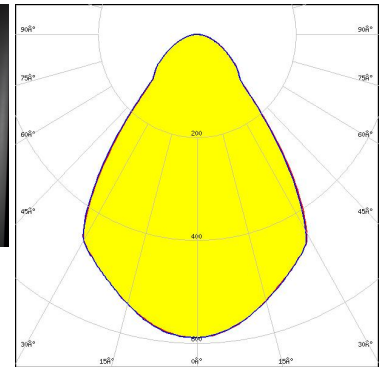
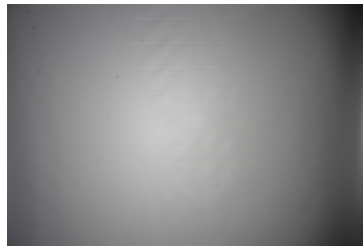
LED SLE G7 LES17 H
FWHM / FWTM 74.0° / 126.0°
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14547_LENINA-ADAPTER-B



Light distribution files

TRIDONIC

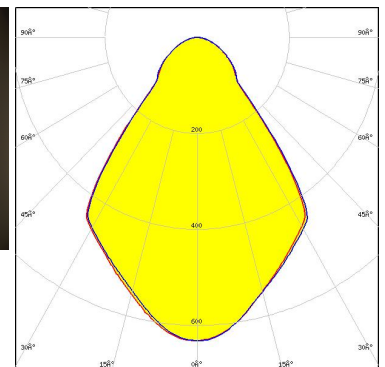
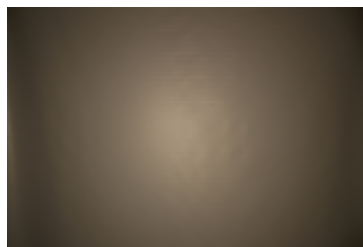
LED SLE G7 LES21 H
FWHM / FWTM 74.0° / 127.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14547_LENINA-ADAPTER-B



Light distribution files

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/type White
Required components:
C12691_LENINA-STD-BASE-CLL030



Light distribution files

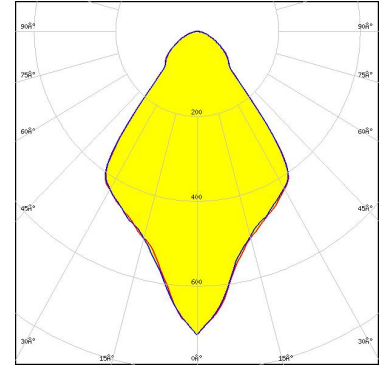
OPTICAL RESULTS (SIMULATED):



LED V10 Gen7
 FWHM / FWTM 71.0° / 115.0°
 Efficiency 86 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:
 C13868_LENINA-STD-BASE-VERO13-18

Bender Wirth: 486 Typ L1



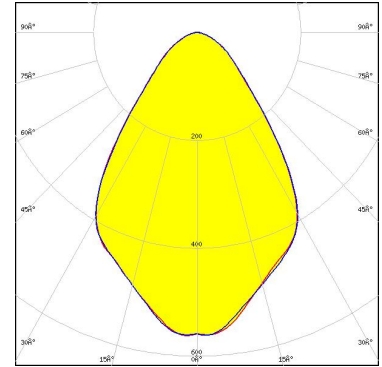
Light distribution files



LED V13 Gen7
 FWHM / FWTM 72.0° / 121.0°
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL

Bender Wirth: 477 Typ L1



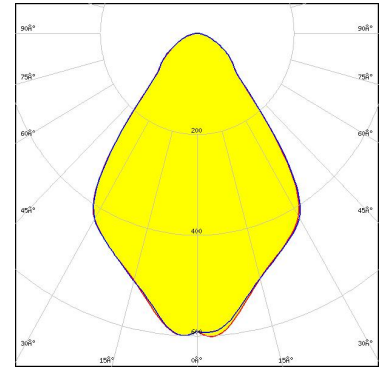
Light distribution files



LED V13 Gen7
 FWHM / FWTM 73.0° / 121.0°
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White

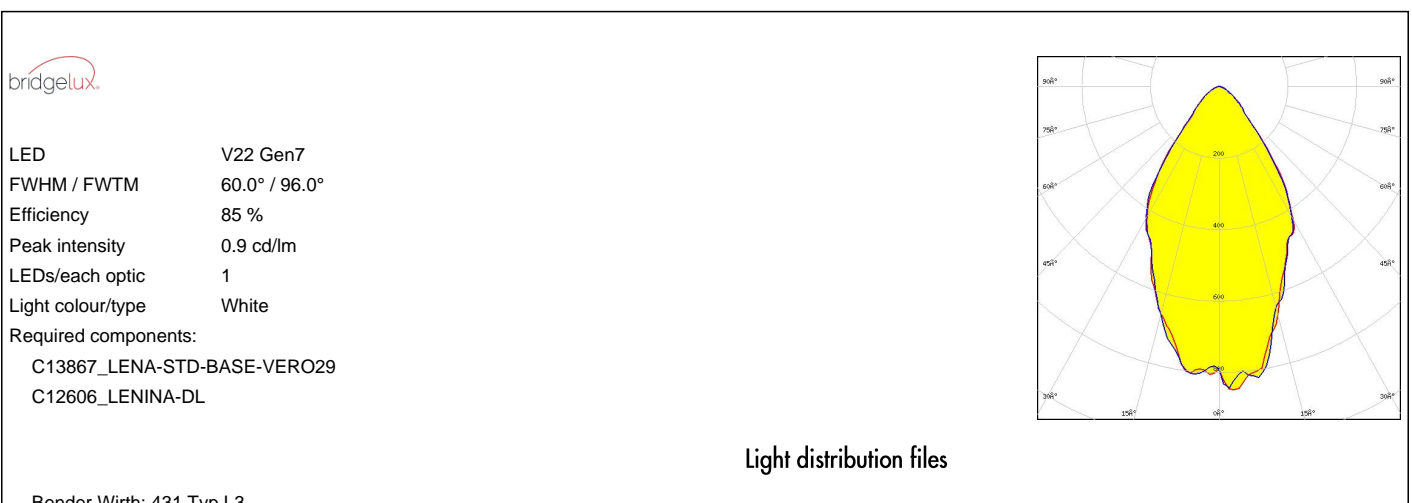
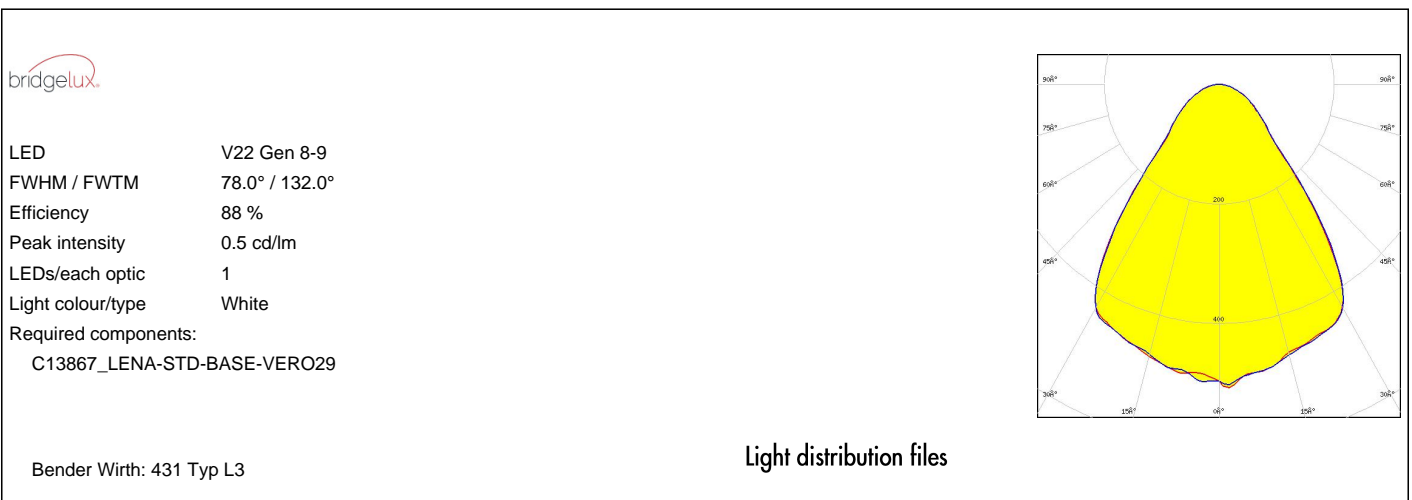
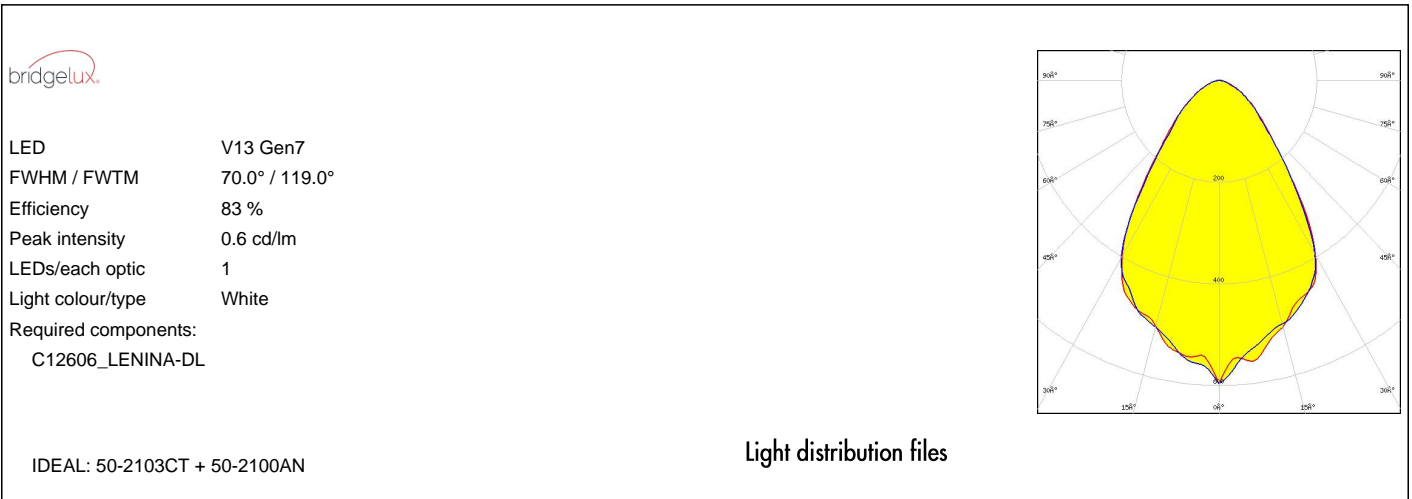
Required components:
 C13868_LENINA-STD-BASE-VERO13-18

Bender Wirth: 477 Typ L1

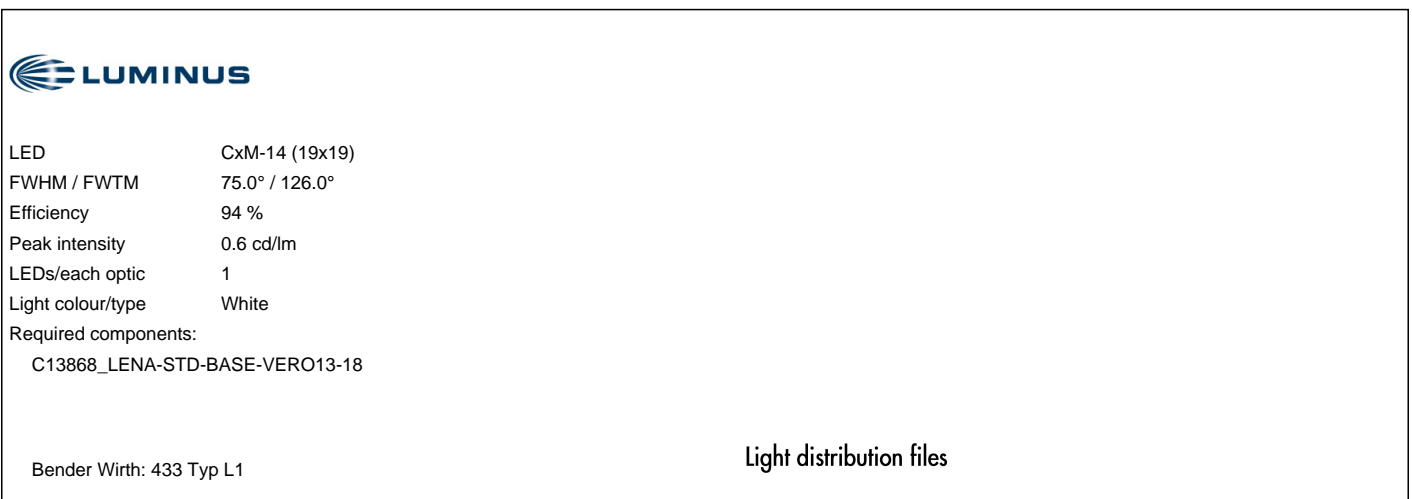
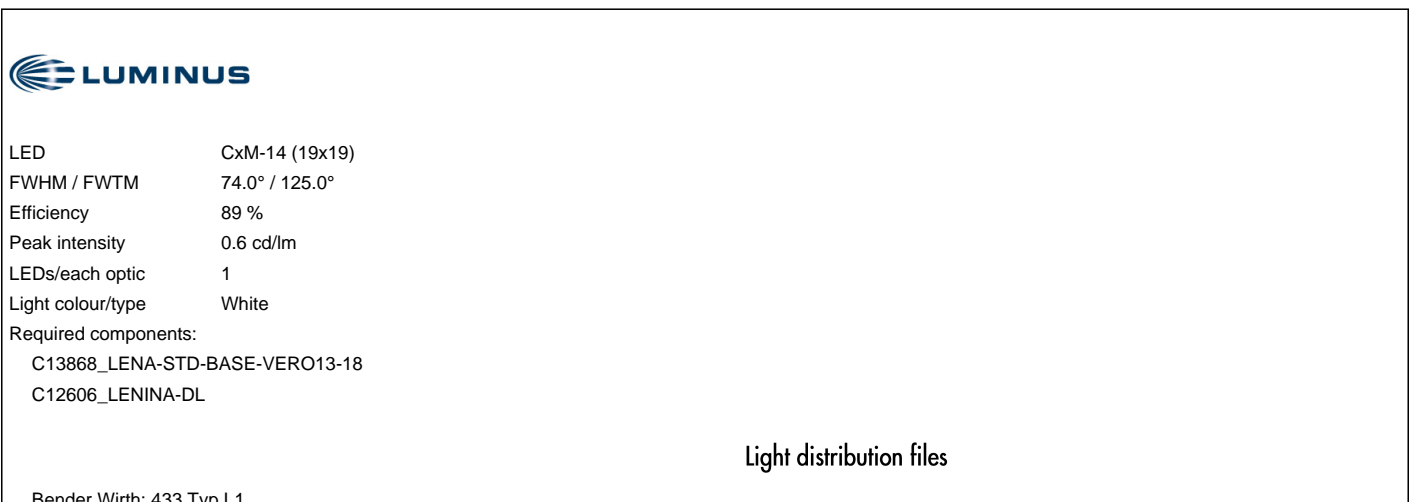
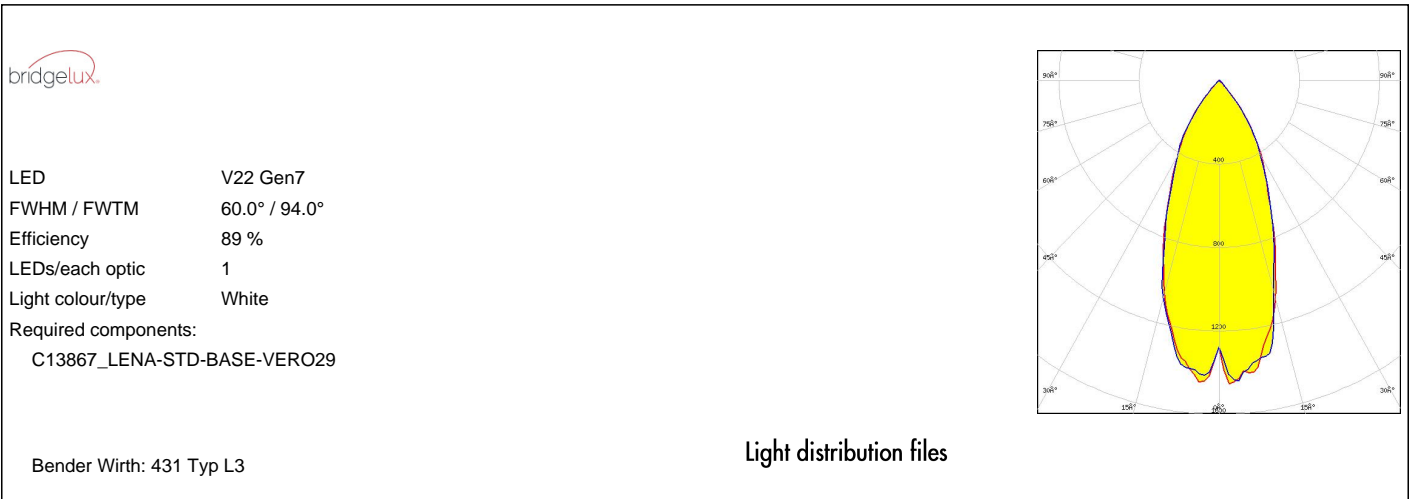


Light distribution files

OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (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/type White

Required components:

C13868_LENA-STD-BASE-VERO13-18
C12606_LENINA-DL

Light distribution files

Bender Wirth: 434 Typ L1

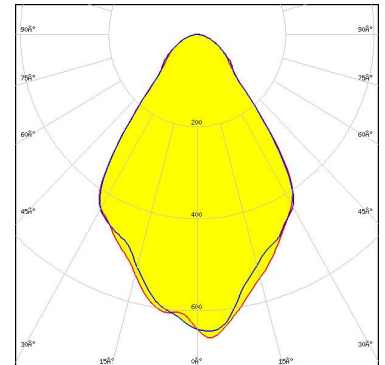


Opto Semiconductors

LED Soleriq S15
FWHM / FWTM 72.0° / 119.0°
Efficiency 87 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C12691_LENA-STD-BASE-CLL030



Light distribution files



SEOUL SEMICONDUCTOR


LED ZC12/18
FWHM / FWTM 75.0° / 126.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White


Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1

OPTICAL RESULTS (SIMULATED):

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

 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/type	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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 7
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Poznan, Poland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)