

LENINA-W

~55° wide beam

SPECIFICATION:

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

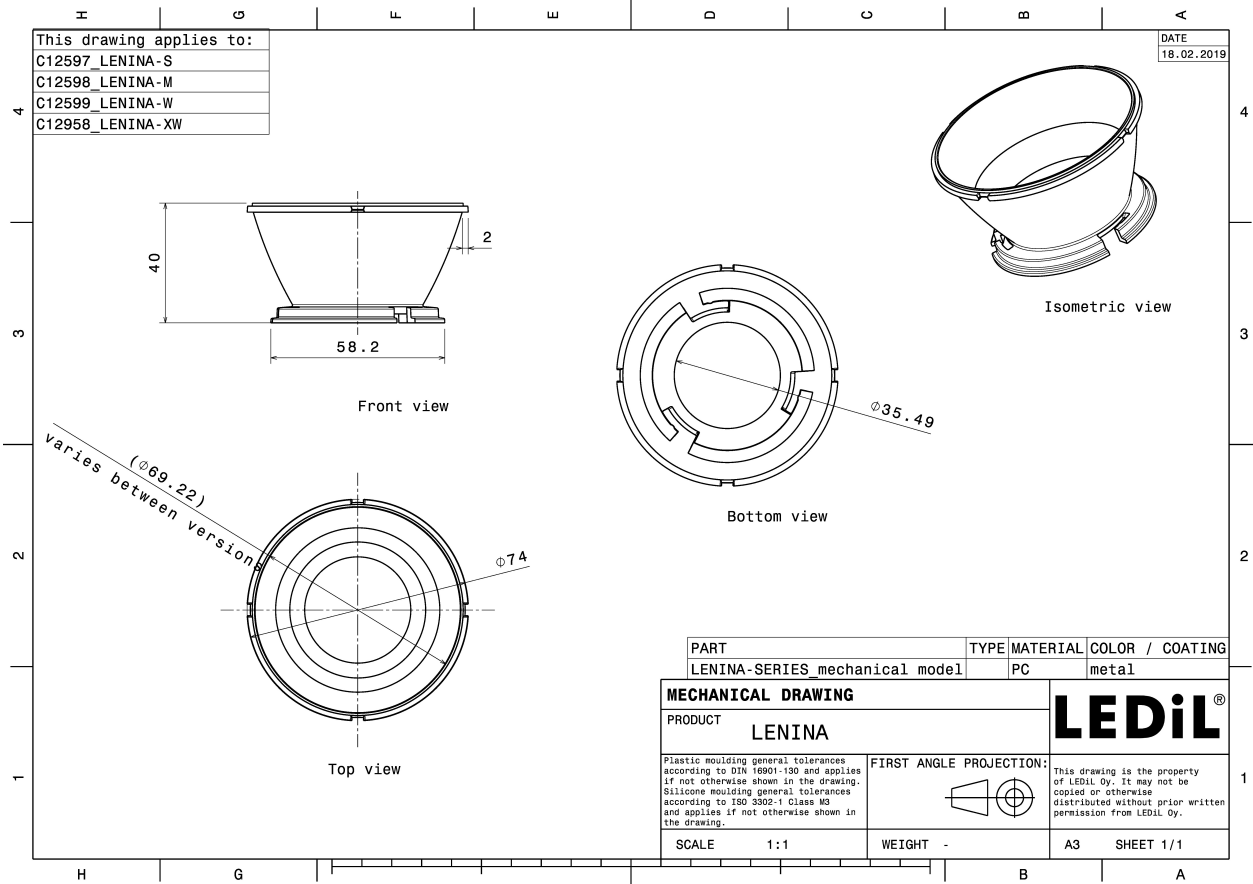
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
LENINA-W	Reflector	PC	metal		lacquer



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12599_LENINA-W » Box size: 476 x 273 x 197 mm	60	120	60	2.0



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

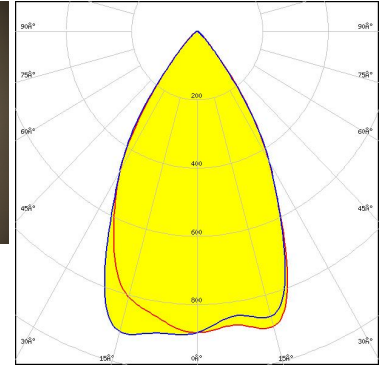
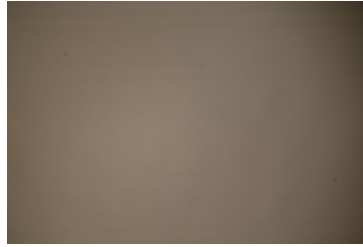
OPTICAL RESULTS (MEASURED):



LED BXRA ES Rectangle
 FWHM / FWTM 60.0° / 84.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C12153_LENINA-STD-BASE-BXRA
 C12606_LENINA-DL



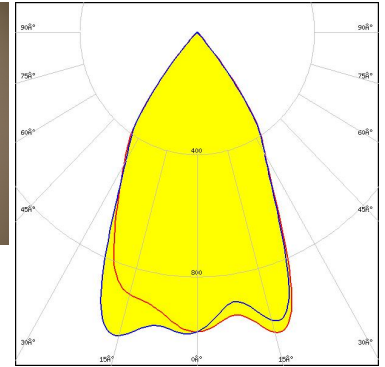
Light distribution files



LED BXRA ES Rectangle
 FWHM / FWTM 58.0° / 82.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C12153_LENINA-STD-BASE-BXRA



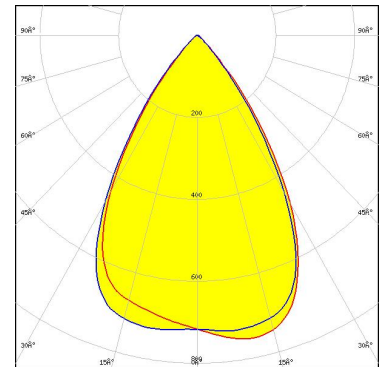
Light distribution files



LED BXRA RS
 FWHM / FWTM 60.0° / 89.0°
 Efficiency 80 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C12229_LENINA-STD-BASE-RS
 C12606_LENINA-DL

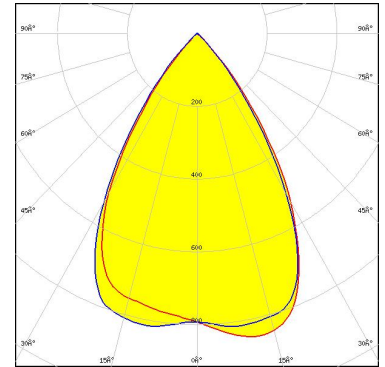


Light distribution files

OPTICAL RESULTS (MEASURED):



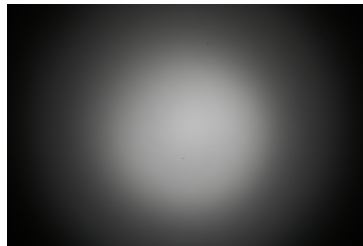
LED BXRA RS
FWHM / FWTM 64.0° / 87.0°
Efficiency 88 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12229_LENINA-STD-BASE-RS



Light distribution files



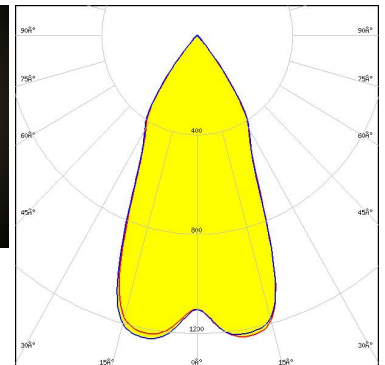
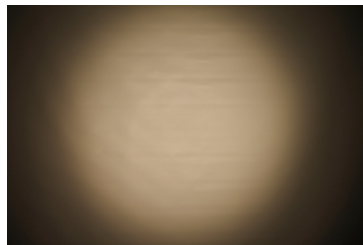
LED V10 Gen6
FWHM / FWTM 47.0° / 80.0°
Efficiency 83 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13186_LENINA-STD-BASE-CXA15
C12606_LENINA-DL



Light distribution files



LED V4 HD Gen 7
FWHM / FWTM 48.0° / 79.0°
Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14146_LENINA-STD-BASE-CXA18

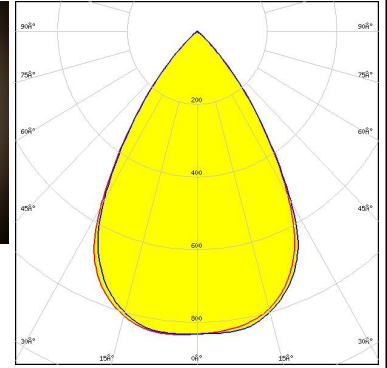
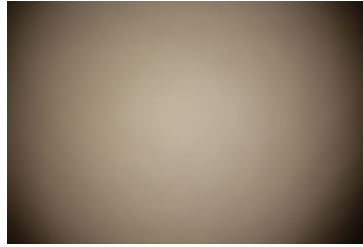


Light distribution files

OPTICAL RESULTS (MEASURED):



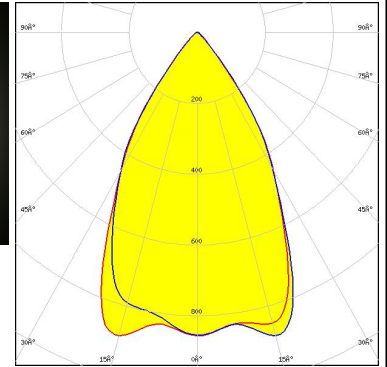
LED Vero SE 29
FWHM / FWTM 66.0° / 90.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15083_LENINA-STD-BASE-VERO29



Light distribution files



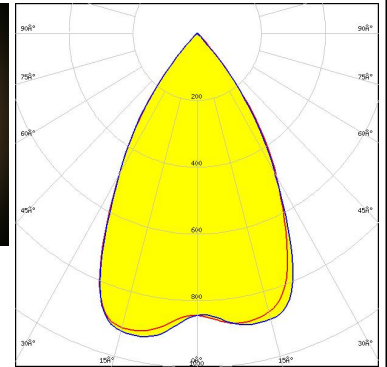
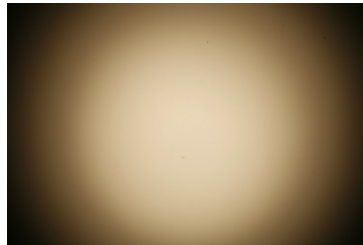
LED VERO13
FWHM / FWTM 60.0° / 84.0°
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL



Light distribution files



LED VERO18
FWHM / FWTM 64.0° / 85.0°
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18

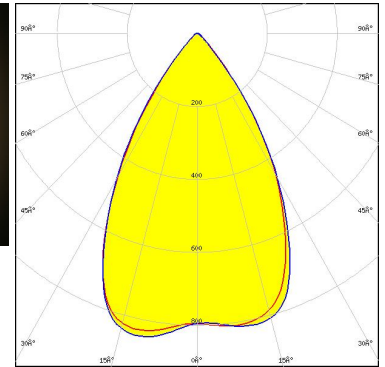
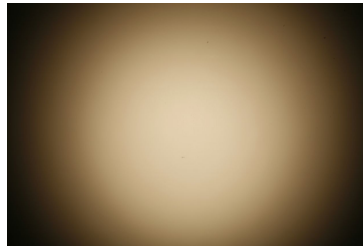


Light distribution files

OPTICAL RESULTS (MEASURED):



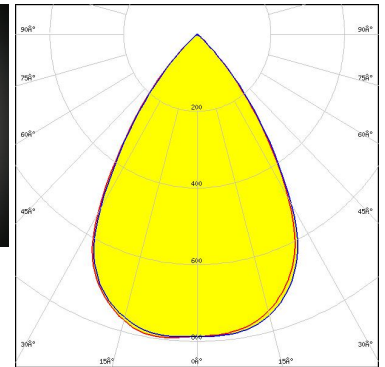
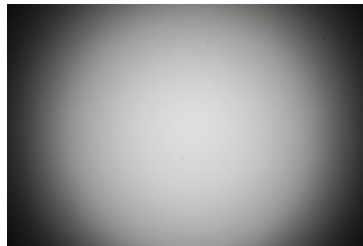
LED VERO18
FWHM / FWTM 64.0° / 86.0°
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENA-STD-BASE-VERO13-18
 C12606_LENINA-DL



Light distribution files



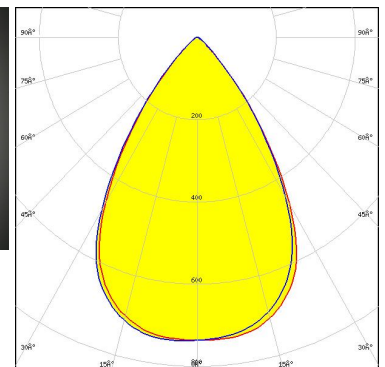
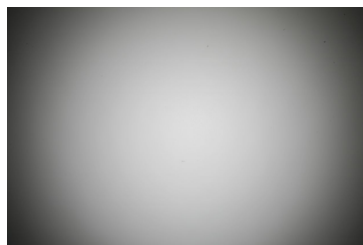
LED VERO29
FWHM / FWTM 67.0° / 91.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENA-STD-BASE-VERO29



Light distribution files



LED VERO29
FWHM / FWTM 67.0° / 92.0°
Efficiency 84 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENA-STD-BASE-VERO29
 C12606_LENINA-DL



Light distribution files

OPTICAL RESULTS (MEASURED):

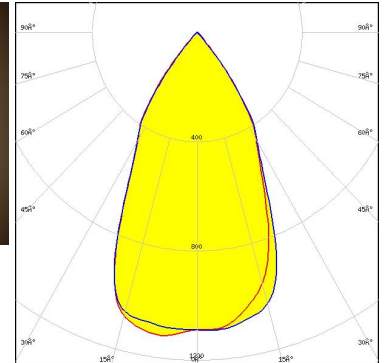
CITIZEN

LED CL-L340
FWHM / FWTM 50.0° / 83.0°
Efficiency 78 %
LEDs/each optic 1
Light colour/type White
Required components:
C11995_LENINA-STD-BASE-CL340
C12606_LENINA-DL

Light distribution files

CITIZEN

LED CL-L340
FWHM / FWTM 53.0° / 81.0°
Efficiency 91 %
Peak intensity 1.1 cd/m
LEDs/each optic 1
Light colour/type White
Required components:
C11995_LENINA-STD-BASE-CL340



Light distribution files

CITIZEN

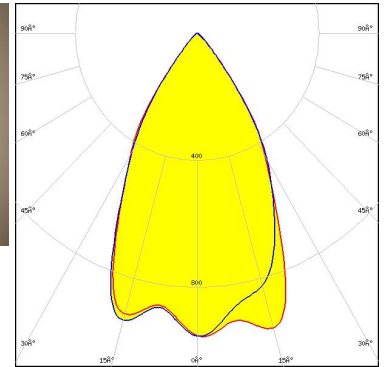
LED CL-L340
FWHM / FWTM 48.0° / 80.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:
C11995_LENINA-STD-BASE-CL340

Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

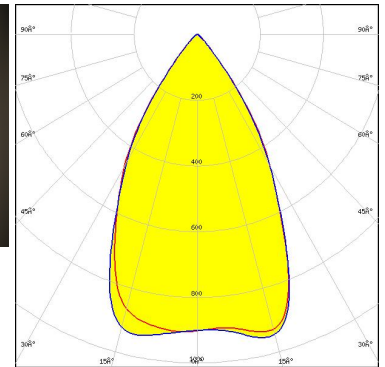
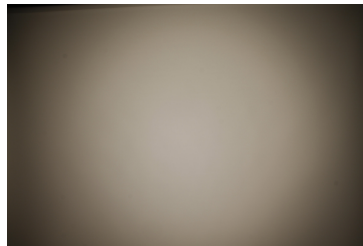
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 57.0° / 82.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 434 Typ L1



Light distribution files

CITIZEN

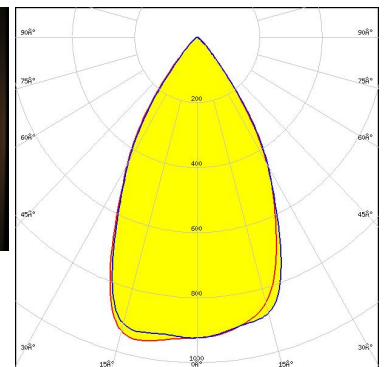
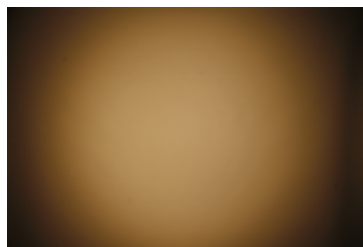
LED CLL03x/CLU03x
 FWHM / FWTM 60.0° / 83.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 433 Typ L1



Light distribution files

CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 58.0° / 84.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12691_LENINA-STD-BASE-CLL030
 C12606_LENINA-DL

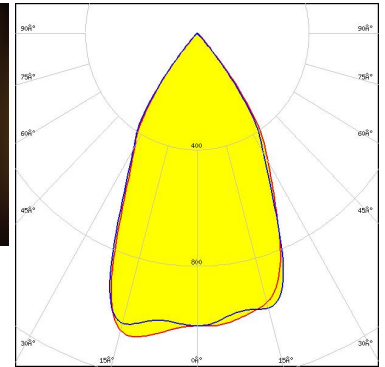
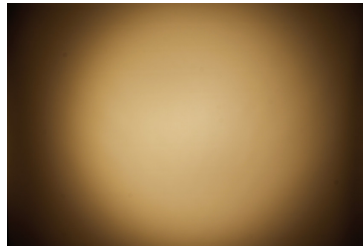


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

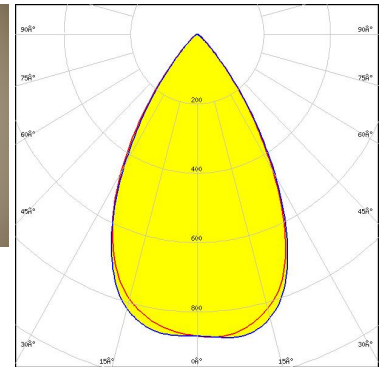
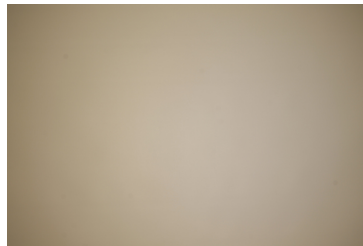
LED CLL03x/CLU03x
 FWHM / FWTM 56.0° / 82.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12691_LENINA-STD-BASE-CLL030



Light distribution files

CITIZEN

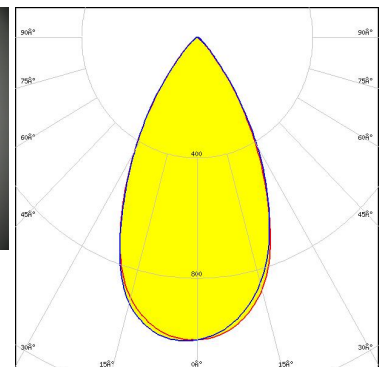
LED CLL04x/CLU04x
 FWHM / FWTM 61.0° / 87.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 431 Typ L3



Light distribution files

CITIZEN

LED CLL04x/CLU04x
 FWHM / FWTM 55.0° / 84.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12606_LENINA-DL
 IDEAL: 50-2204CT + 50-2100LN

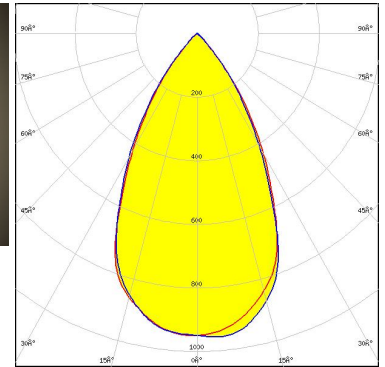
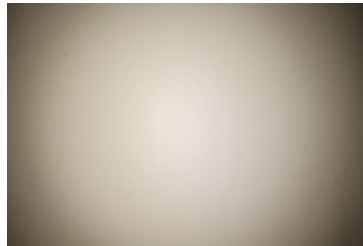


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

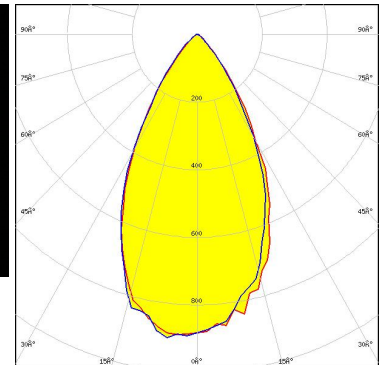
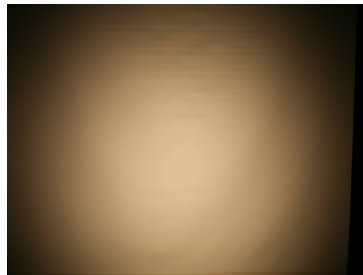
LED CLL04x/CLU04x
FWHM / FWTM 57.0° / 84.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8102-G2 + S-8000-12



Light distribution files

CITIZEN

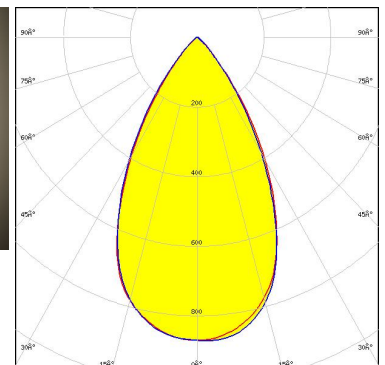
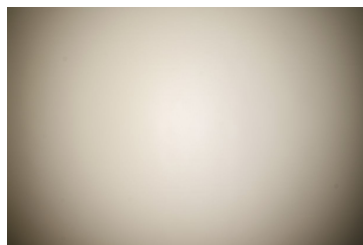
LED CLL04x/CLU04x
FWHM / FWTM 56.0° / 87.0°
Efficiency 76 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040
C12606_LENINA-DL



Light distribution files

CITIZEN

LED CLL04x/CLU04x
FWHM / FWTM 58.0° / 85.0°
Efficiency 78 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12606_LENINA-DL
A.A.G. STUCCHI: 8102-G2 + S-8000-12

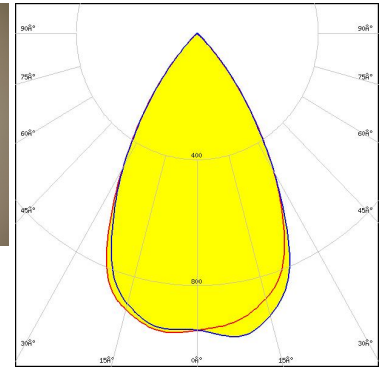


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

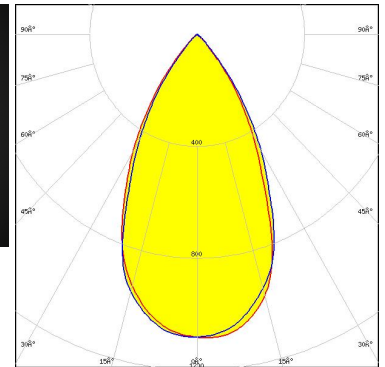
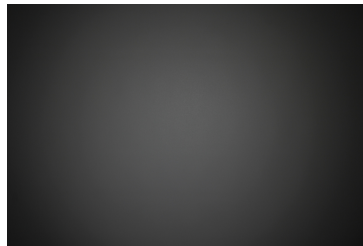
LED CLL04x/CLU04x
 FWHM / FWTM 61.0° / 85.0°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 431 Typ L3



Light distribution files

CITIZEN

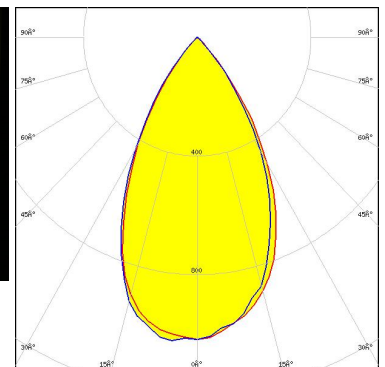
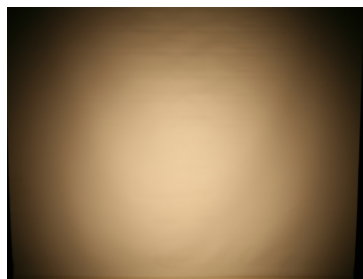
LED CLL04x/CLU04x
 FWHM / FWTM 54.0° / 83.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2204CT + 50-2100LN



Light distribution files

CITIZEN

LED CLL04x/CLU04x
 FWHM / FWTM 59.0° / 85.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040

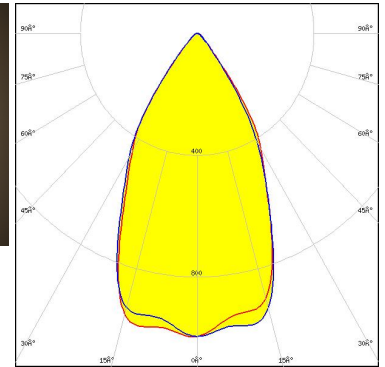
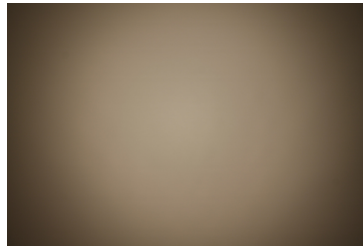


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

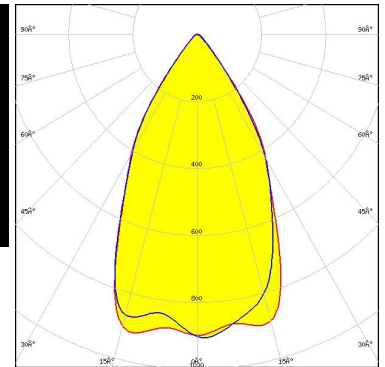
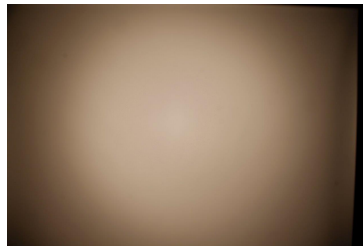
LED CLU710/711
FWHM / FWTM 55.0° / 82.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



Light distribution files

CITIZEN

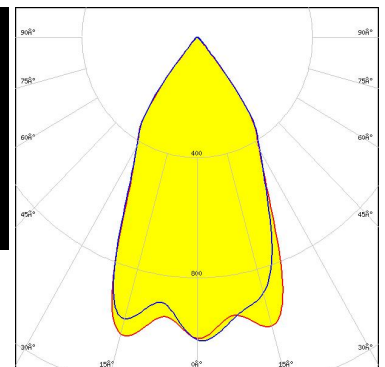
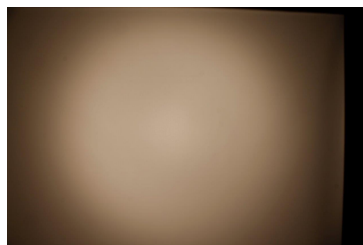
LED CLU720/721/723
FWHM / FWTM 57.0° / 83.0°
Efficiency 83 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



Light distribution files

CITIZEN

LED CLU720/721/723
FWHM / FWTM 54.0° / 81.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030

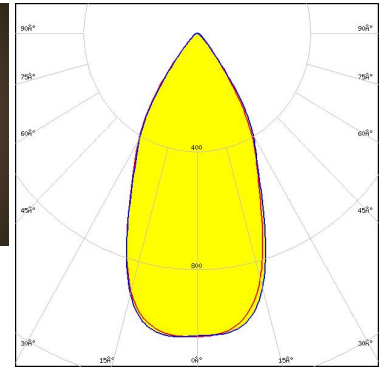
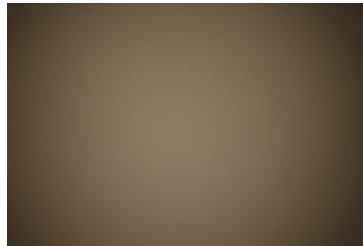


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

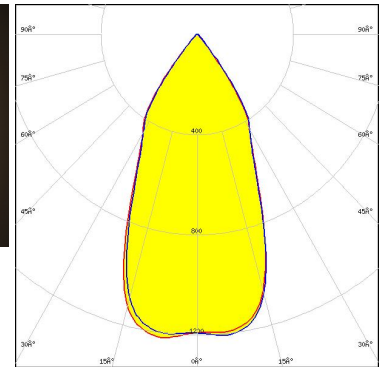
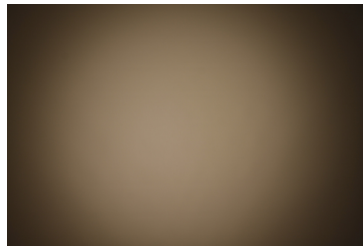
LED CLU730/731/733
 FWHM / FWTM 50.0° / 82.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL



Light distribution files

CITIZEN

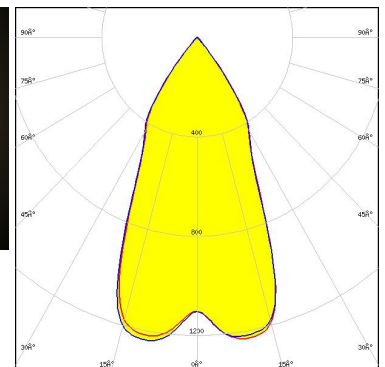
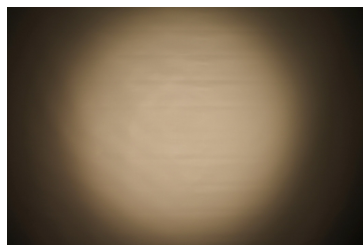
LED CLU730/731/733
 FWHM / FWTM 49.0° / 80.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040



Light distribution files



LED CMA1840
 FWHM / FWTM 48.0° / 79.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14146_LENINA-STD-BASE-CXA18

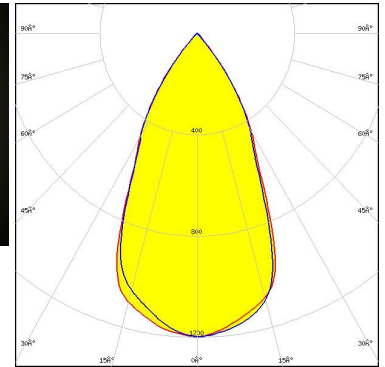
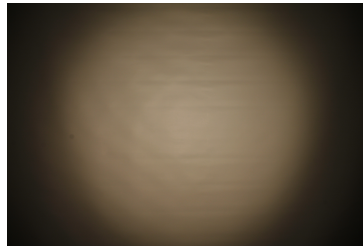


Light distribution files

OPTICAL RESULTS (MEASURED):



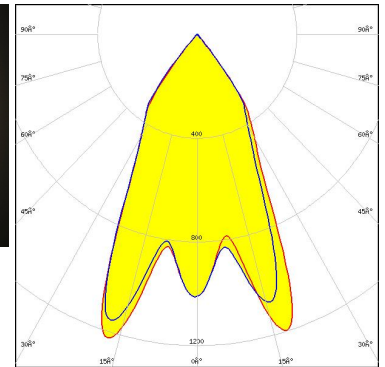
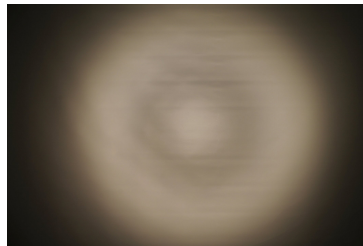
LED CMA2550
 FWHM / FWTM 51.0° / 80.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13324_LENINA-STD-BASE-CXA25



Light distribution files



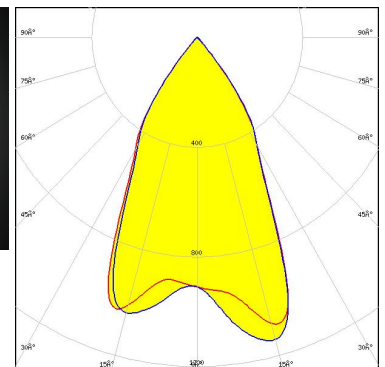
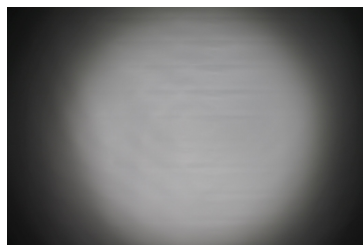
LED CMT14xx
 FWHM / FWTM 55.0° / 81.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 434 Typ L1



Light distribution files



LED CMT19xx
 FWHM / FWTM 54.0° / 81.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12691_LENINA-STD-BASE-CLL030
 Bender Wirth: 477 Typ L1

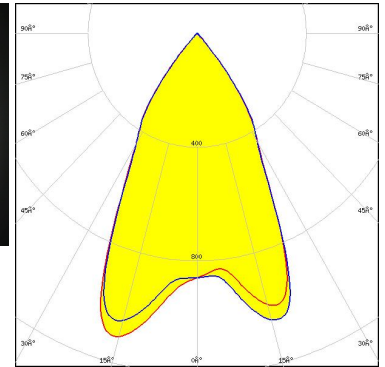
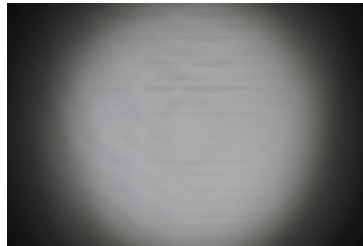


Light distribution files

OPTICAL RESULTS (MEASURED):



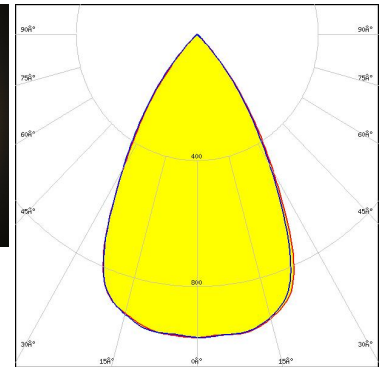
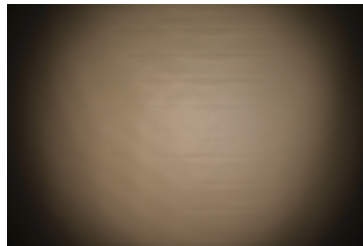
LED CMT19xx
 FWHM / FWTM 55.0° / 82.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 477 Typ L1



Light distribution files



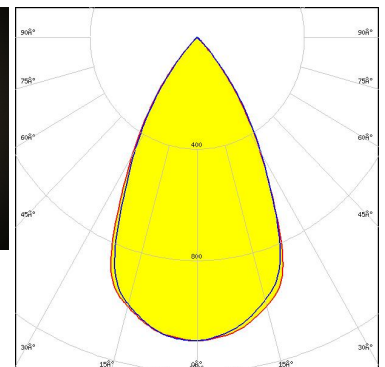
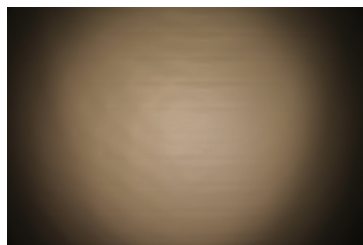
LED CMT28xx
 FWHM / FWTM 60.0° / 84.0°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 471 Typ L3



Light distribution files



LED CMT28xx
 FWHM / FWTM 56.0° / 82.0°
 Efficiency 92 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040



Light distribution files

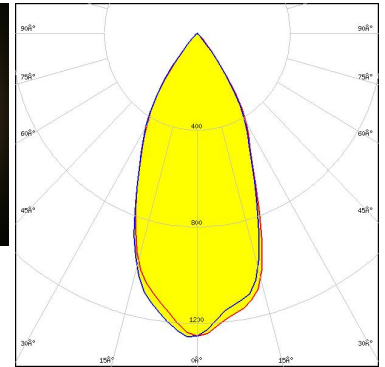
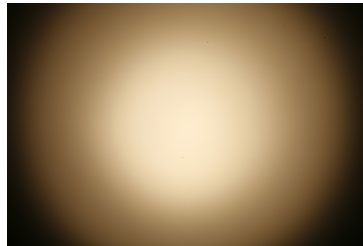
OPTICAL RESULTS (MEASURED):



LED CXA/B 15xx
 FWHM / FWTM 48.0° / 79.0°
 Efficiency 83 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13186_LENINA-STD-BASE-CXA15
 C12606_LENINA-DL



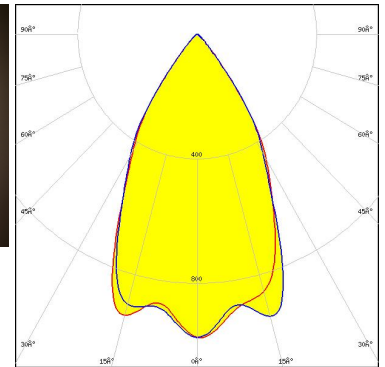
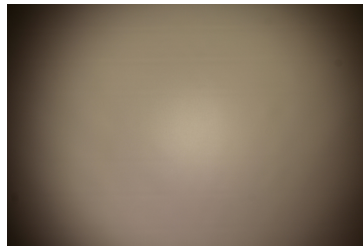
Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 57.0° / 82.0°
 Efficiency 86 %
 Peak intensity 1 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



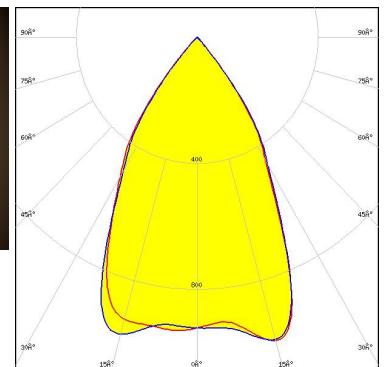
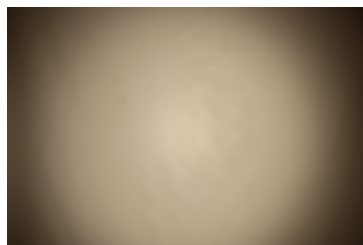
Light distribution files



LED CXA/B 1830
 FWHM / FWTM 60.0° / 83.0°
 Efficiency 91 %
 Peak intensity 1 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):



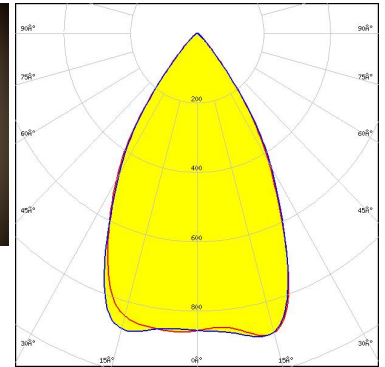
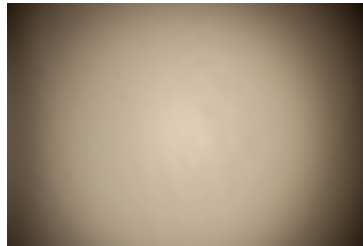
LED CXA/B 1830
 FWHM / FWTM 61.0° / 85.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13868_LENINA-STD-BASE-VERO13-18

C12606_LENINA-DL

Bender Wirth: 437 Typ L1



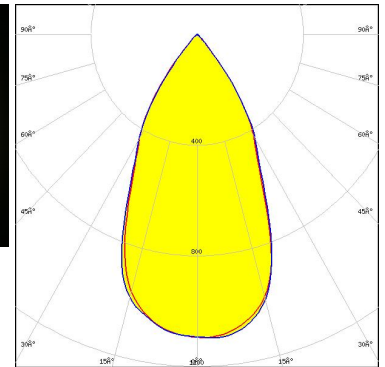
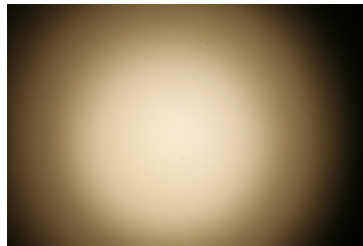
Light distribution files



LED CXA/B 25xx
 FWHM / FWTM 51.0° / 80.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13324_LENINA-STD-BASE-CXA25



Light distribution files

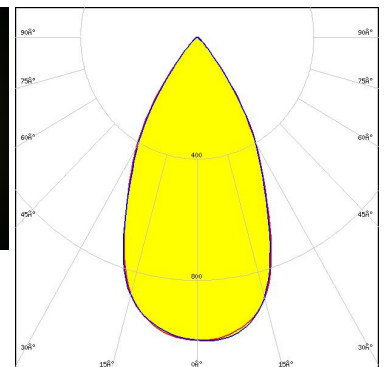
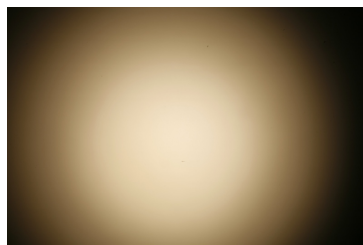


LED CXA/B 25xx
 FWHM / FWTM 52.0° / 80.0°
 Efficiency 76 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13324_LENINA-STD-BASE-CXA25

C12606_LENINA-DL

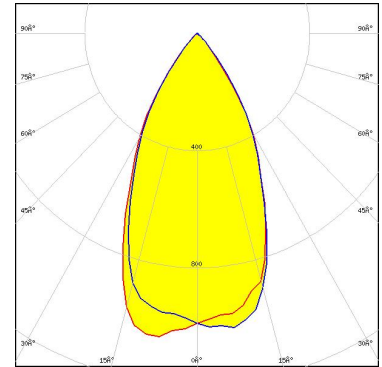


Light distribution files

OPTICAL RESULTS (MEASURED):



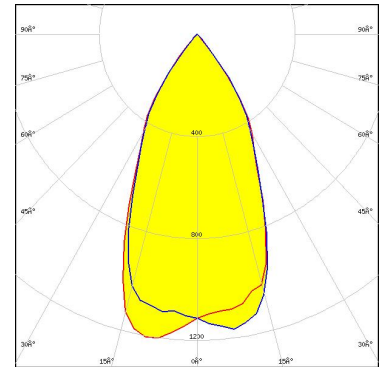
LED CXA2011
FWHM / FWTM 52.0° / 83.0°
Efficiency 78 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12105_LENINA-STD-BASE-CXA20
 C12606_LENINA-DL



Light distribution files



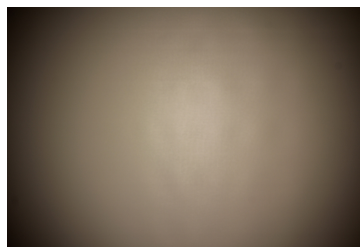
LED CXA2011
FWHM / FWTM 50.0° / 80.0°
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12105_LENINA-STD-BASE-CXA20



Light distribution files



LED CHI3030 19W
FWHM / FWTM 62.0° / 88.0°
Efficiency 90 %
Peak intensity 0.9 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

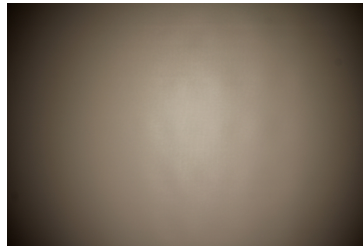
OPTICAL RESULTS (MEASURED):

EVERLIGHT

LED CHI3030 29W
 FWHM / FWTM 63.0° / 92.0°
 Efficiency 86 %
 Peak intensity 0.8 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



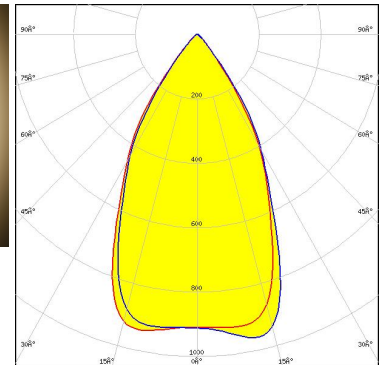
Light distribution files

LUMILEDS

LED LUXEON CoB 1204/1205
 FWHM / FWTM 57.0° / 82.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL



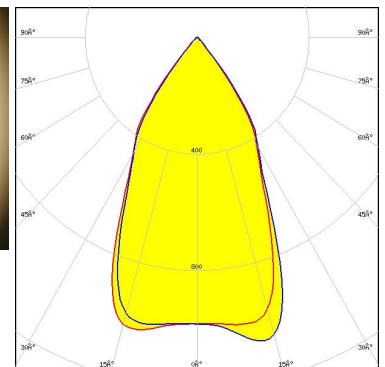
Light distribution files

LUMILEDS

LED LUXEON CoB 1204/1205
 FWHM / FWTM 55.0° / 81.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C12292_LENINA-STD-BASE-MEZ

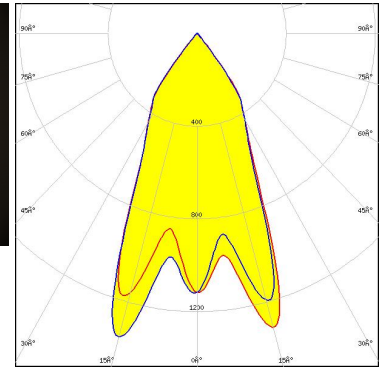
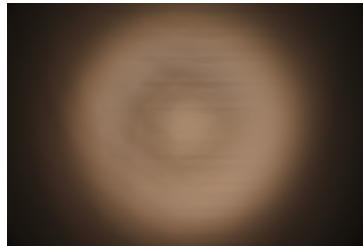


Light distribution files

OPTICAL RESULTS (MEASURED):



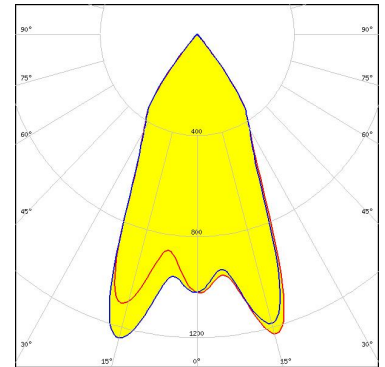
LED LUXEON CoB 1204HD
FWHM / FWTM 51.0° / 79.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C11981_LENINA-STD-BASE-COB-L110



Light distribution files



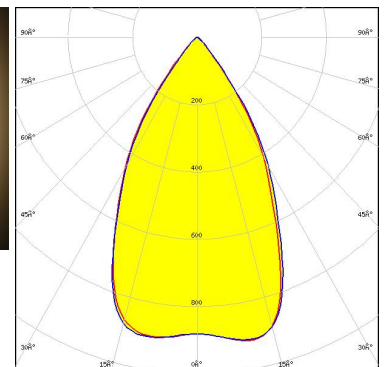
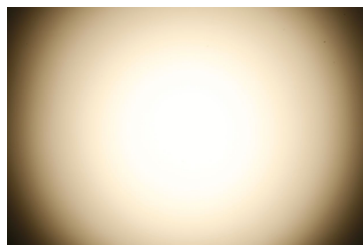
LED LUXEON CoB 1205HD
FWHM / FWTM 54.0° / 80.0°
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C11981_LENINA-STD-BASE-COB-L110



Light distribution files



LED LUXEON CoB 1208
FWHM / FWTM 60.0° / 83.0°
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL

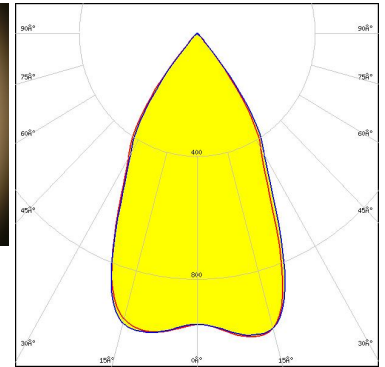
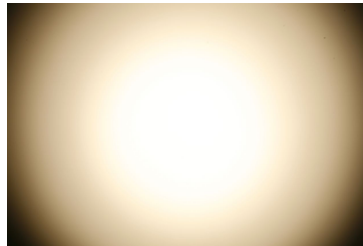


Light distribution files

OPTICAL RESULTS (MEASURED):



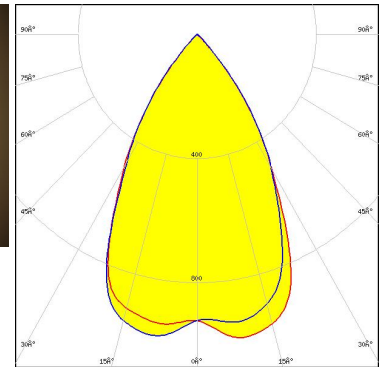
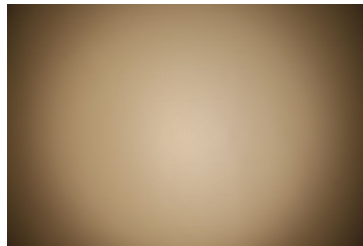
LED LUXEON CoB 1208
FWHM / FWTM 58.0° / 82.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12292_LENINA-STD-BASE-MEZ



Light distribution files



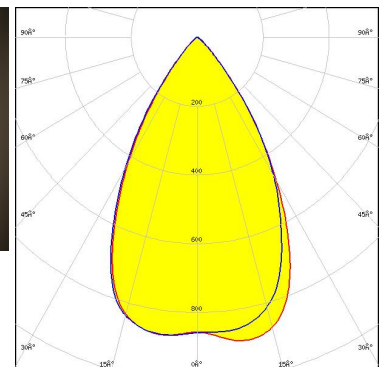
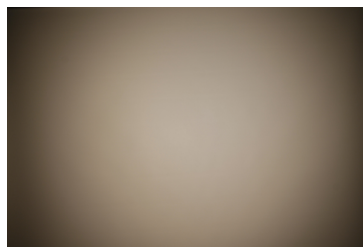
LED LUXEON CoB 1211
FWHM / FWTM 60.0° / 84.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 431 Typ L3



Light distribution files



LED LUXEON CoB 1211
FWHM / FWTM 60.0° / 86.0°
Efficiency 86 %
Peak intensity 0.9 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

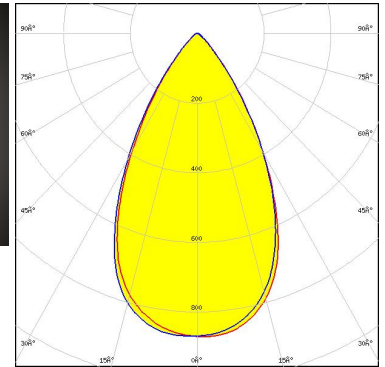
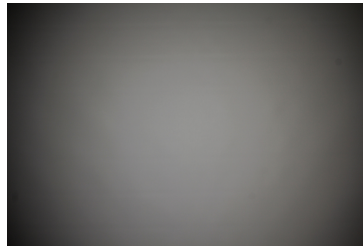


Light distribution files

OPTICAL RESULTS (MEASURED):



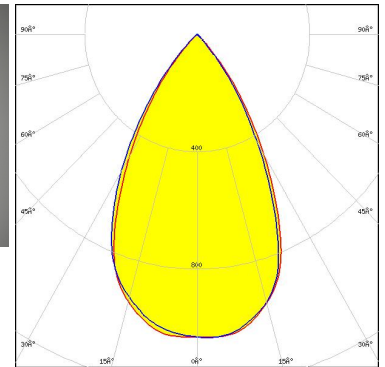
LED LUXEON CoB 1213/1216/1812
FWHM / FWTM 58.0° / 86.0°
Efficiency 80 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12606_LENINA-DL
A.A.G. STUCCHI: 8102-G2 + S-8000-12



Light distribution files



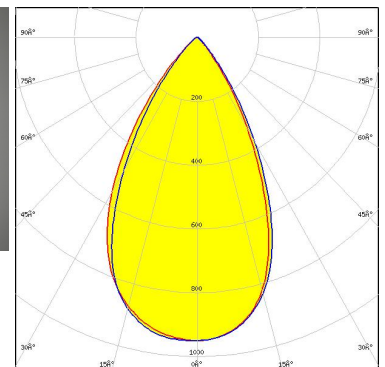
LED LUXEON CoB 1213/1216/1812
FWHM / FWTM 58.0° / 84.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040



Light distribution files



LED LUXEON CoB 1213/1216/1812
FWHM / FWTM 58.0° / 85.0°
Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040
C12606_LENINA-DL

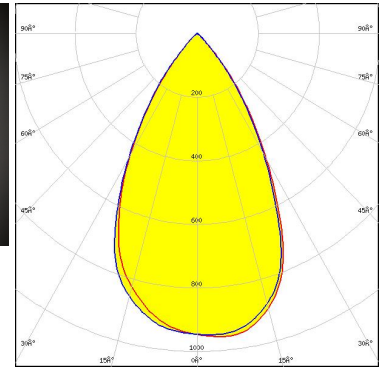
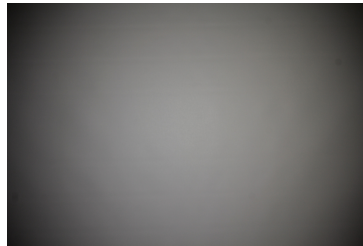


Light distribution files

OPTICAL RESULTS (MEASURED):



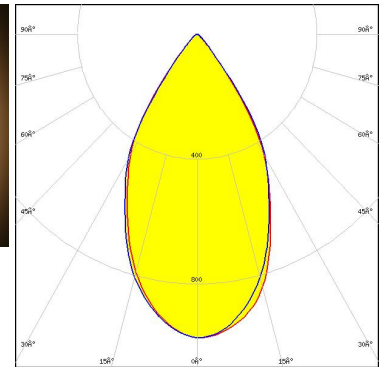
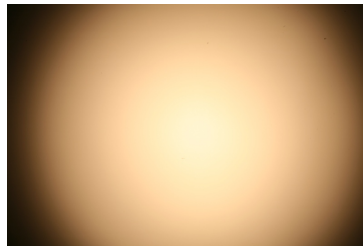
LED LUXEON CoB 1213/1216/1812
FWHM / FWTM 58.0° / 85.0°
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
A.A.G. STUCCHI: 8102-G2 + S-8000-12



Light distribution files



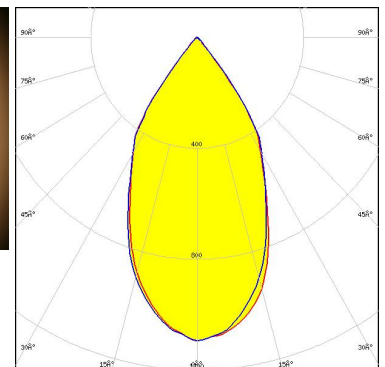
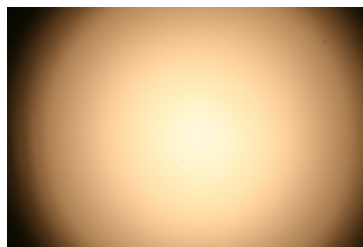
LED LUXEON K12
FWHM / FWTM 57.0° / 83.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12924_LENASTD-BASE-LUXEON-K
C12606_LENINA-DL



Light distribution files



LED LUXEON K12
FWHM / FWTM 54.0° / 81.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12924_LENASTD-BASE-LUXEON-K



Light distribution files

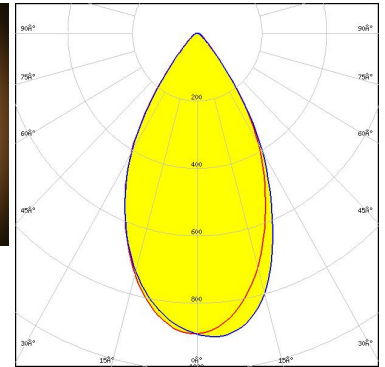
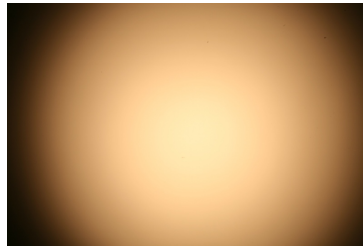
OPTICAL RESULTS (MEASURED):



LED LUXEON K16
 FWHM / FWTM 56.0° / 85.0°
 Efficiency 79 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C12924_LENA-STD-BASE-LUXEON-K
 C12606_LENINA-DL



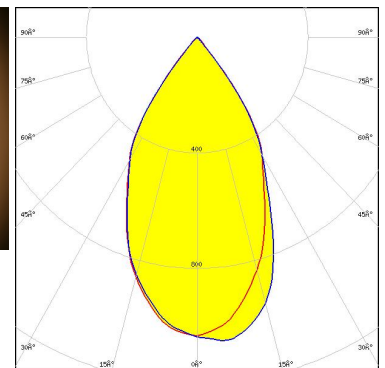
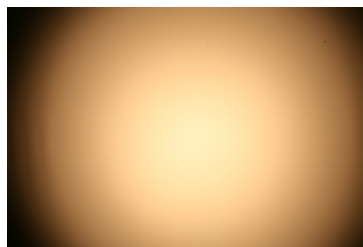
Light distribution files



LED LUXEON K16
 FWHM / FWTM 55.0° / 81.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C12924_LENA-STD-BASE-LUXEON-K



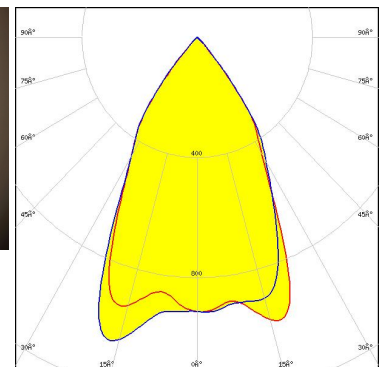
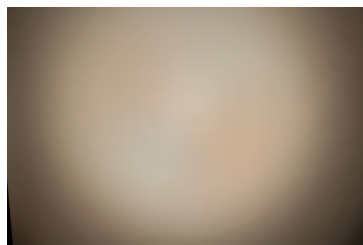
Light distribution files



LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 58.0° / 83.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13868_LENA-STD-BASE-VERO13-18
 Bender Wirth: 491 Typ L2

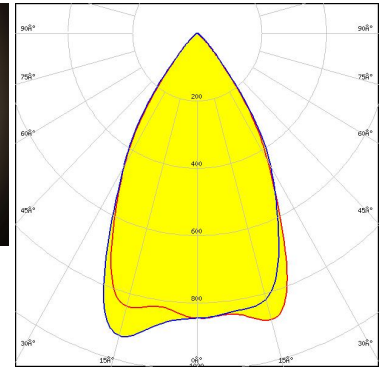
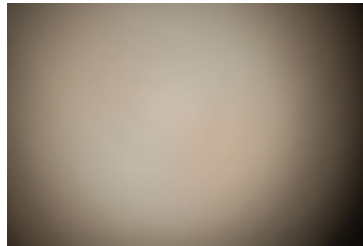


Light distribution files

OPTICAL RESULTS (MEASURED):



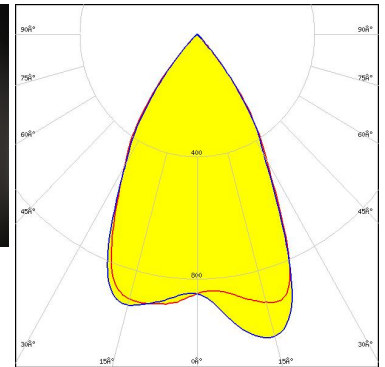
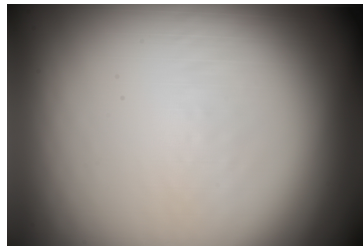
LED CDM-14 (Dim-To-Warm)
FWHM / FWTM 60.0° / 85.0°
Efficiency 86 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 491 Typ L2



Light distribution files



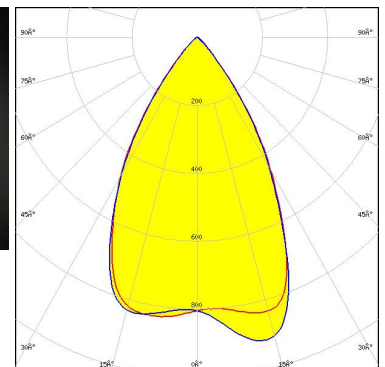
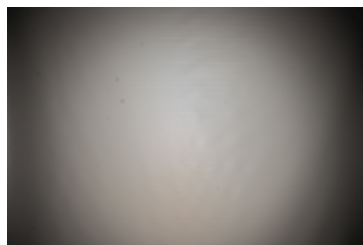
LED CDM-18 (Dim-To-Warm)
FWHM / FWTM 64.0° / 85.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 491 Typ L2



Light distribution files



LED CDM-18 (Dim-To-Warm)
FWHM / FWTM 62.0° / 86.0°
Efficiency 86 %
Peak intensity 0.9 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

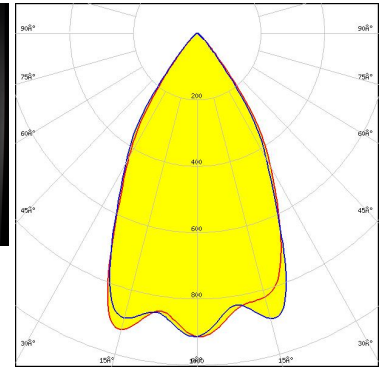


Light distribution files

OPTICAL RESULTS (MEASURED):



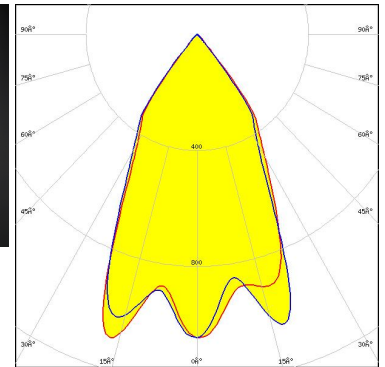
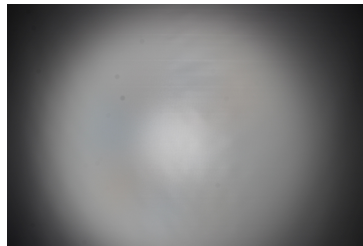
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 59.0° / 83.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 490 Typ L1



Light distribution files



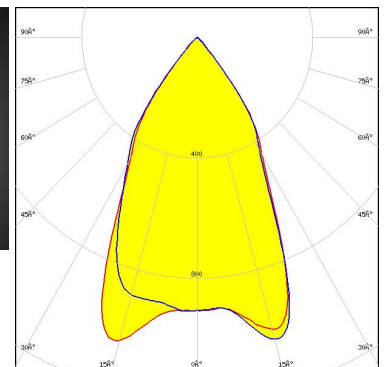
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 55.0° / 81.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 490 Typ L1



Light distribution files



LED CTM-14 (Tunable White)
 FWHM / FWTM 58.0° / 83.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 442 Typ L3

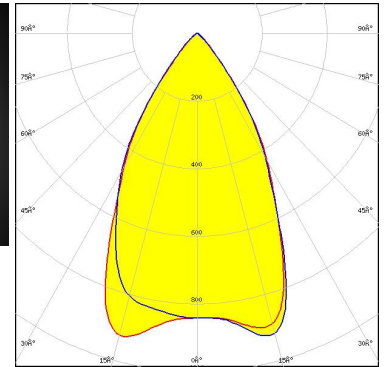


Light distribution files

OPTICAL RESULTS (MEASURED):



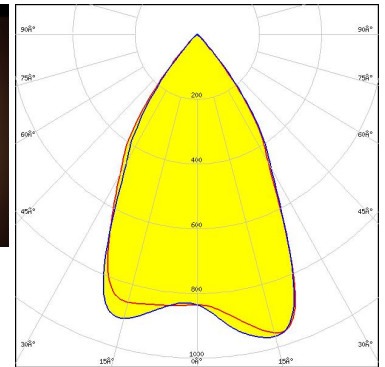
LED CTM-14 (Tunable White)
FWHM / FWTM 60.0° / 85.0°
Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 442 Typ L3



Light distribution files



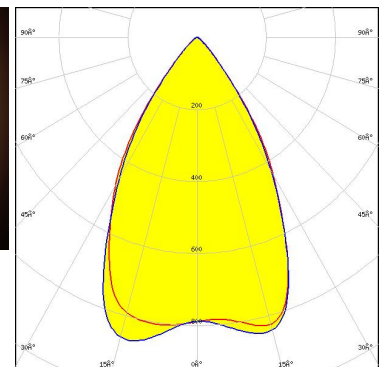
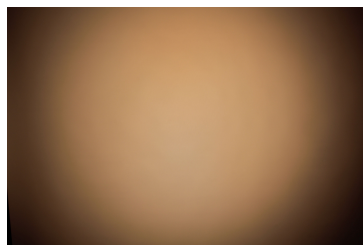
LED CTM-18 (Tunable White)
FWHM / FWTM 32.0° / 76.0°
Efficiency 92 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 442 Typ L3



Light distribution files



LED CTM-18 (Tunable White)
FWHM / FWTM 63.0° / 87.0°
Efficiency 85 %
Peak intensity 0.9 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

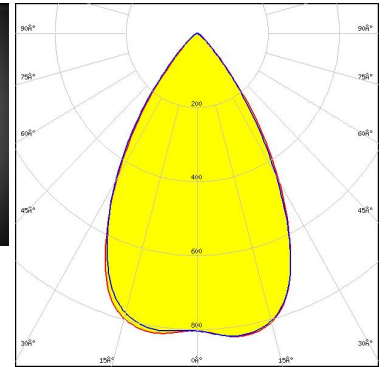
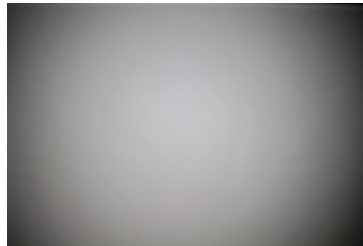


Light distribution files

OPTICAL RESULTS (MEASURED):



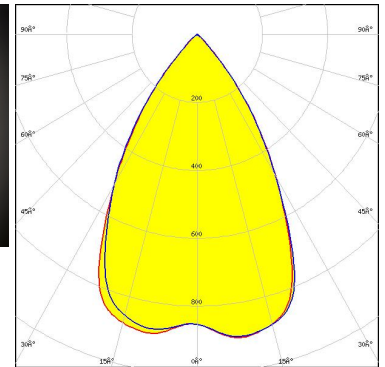
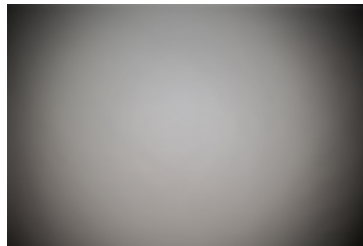
LED CTM-22 (Tunable White)
FWHM / FWTM 63.0° / 89.0°
Efficiency 85 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 C12606_LENINA-DL
 Bender Wirth: 494 Typ L3



Light distribution files



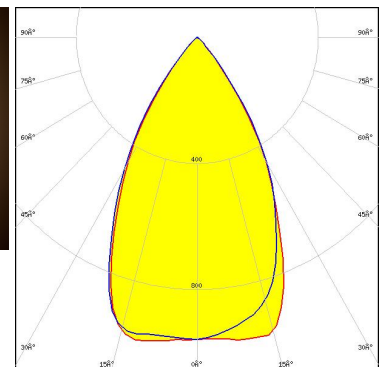
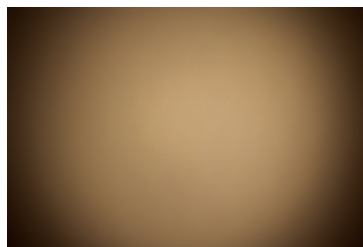
LED CTM-22 (Tunable White)
FWHM / FWTM 63.0° / 87.0°
Efficiency 90 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 494 Typ L3



Light distribution files



LED CxM-14 (19x19)
FWHM / FWTM 59.0° / 84.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12691_LENINA-STD-BASE-CLL030
 C12606_LENINA-DL

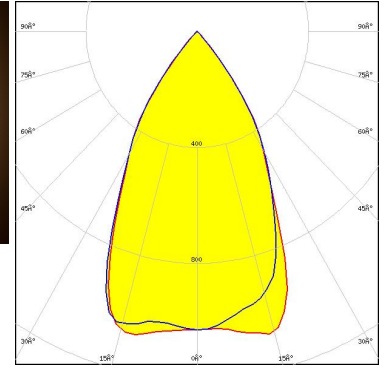
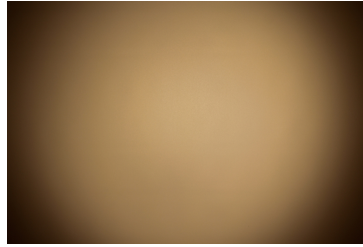


Light distribution files

OPTICAL RESULTS (MEASURED):



LED CxM-14 (19x19)
FWHM / FWTM 58.0° / 82.0°
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030



Light distribution files



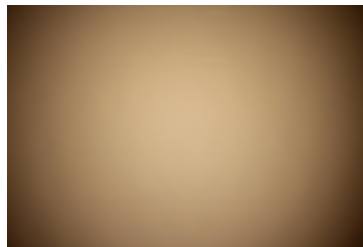
LED CxM-22 (28x28)
FWHM / FWTM 58.0° / 86.0°
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040



Light distribution files



LED CxM-22 (28x28)
FWHM / FWTM 58.0° / 86.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040
C12606_LENINA-DL

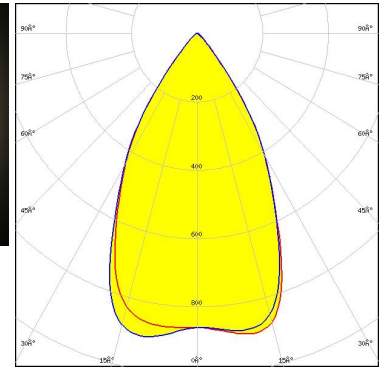
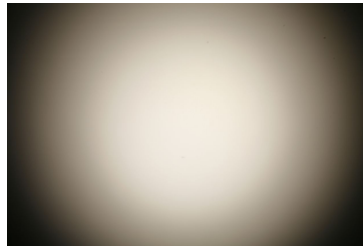


Light distribution files

OPTICAL RESULTS (MEASURED):



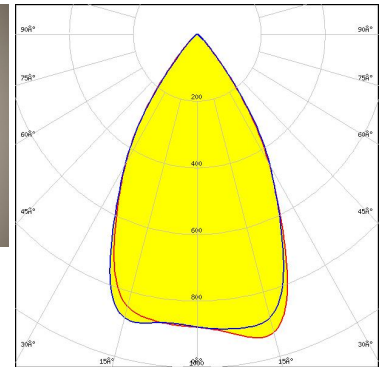
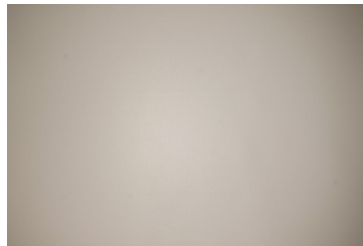
LED COB J-Type
FWHM / FWTM 59.0° / 84.0°
Efficiency 82 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL



Light distribution files



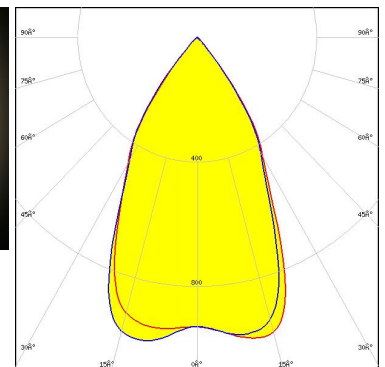
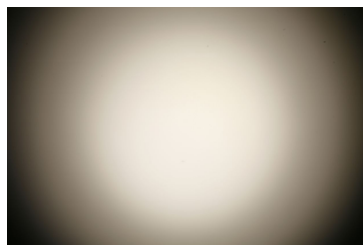
LED COB J-Type
FWHM / FWTM 59.0° / 84.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 463 Typ L2



Light distribution files



LED COB J-Type
FWHM / FWTM 58.0° / 82.0°
Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12292_LENINA-STD-BASE-MEZ

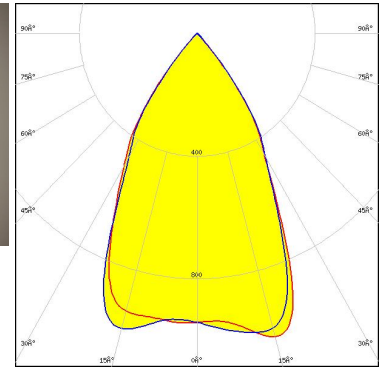
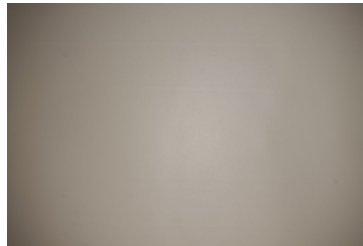


Light distribution files

OPTICAL RESULTS (MEASURED):



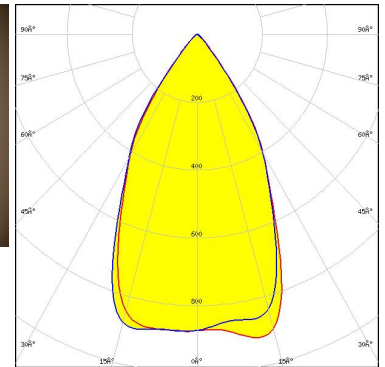
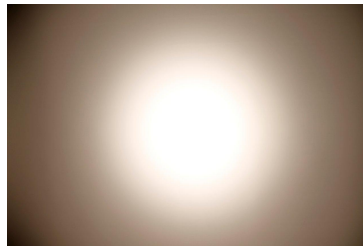
LED COB J-Type
FWHM / FWTM 59.0° / 83.0°
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 463 Typ L2



Light distribution files



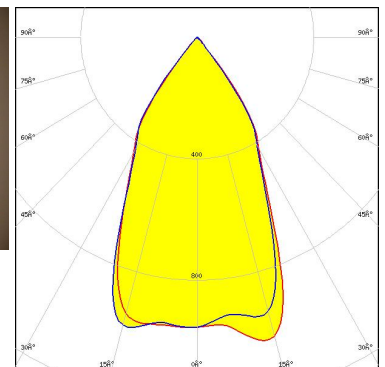
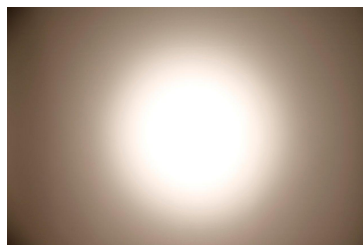
LED COB L-Type (LES 11)
FWHM / FWTM 58.0° / 82.0°
Efficiency 80 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C11981_LENINA-STD-BASE-COB-L110
C12606_LENINA-DL



Light distribution files



LED COB L-Type (LES 11)
FWHM / FWTM 56.0° / 81.0°
Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C11981_LENINA-STD-BASE-COB-L110

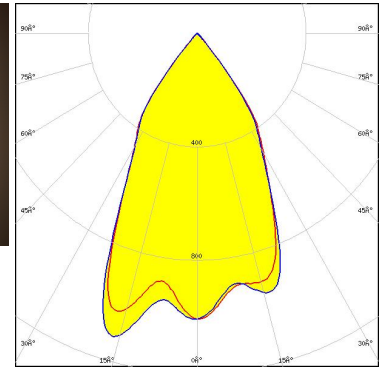
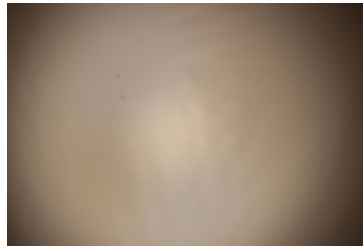


Light distribution files

OPTICAL RESULTS (MEASURED):



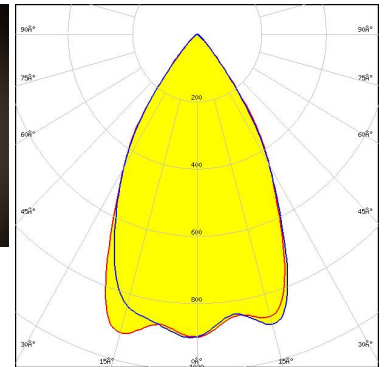
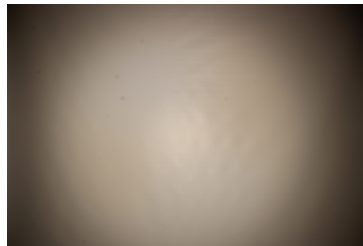
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 56.0° / 81.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 498 Typ L2



Light distribution files



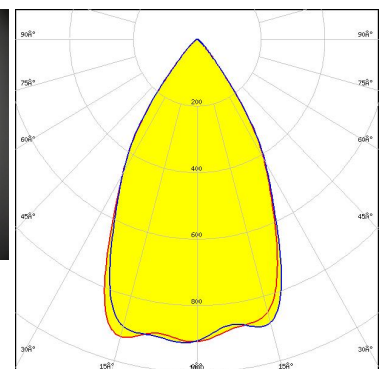
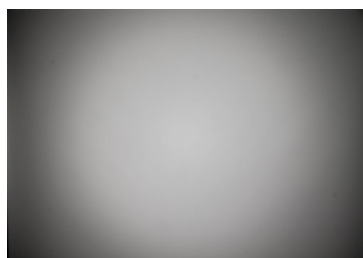
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 60.0° / 84.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 498 Typ L2



Light distribution files



LED Soleriq S13
 FWHM / FWTM 59.0° / 83.0°
 Efficiency 86 %
 Peak intensity 0.9 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

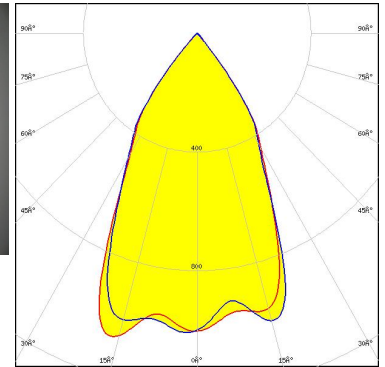
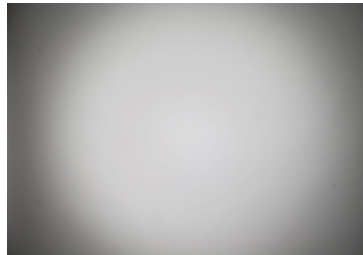
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq S13
FWHM / FWTM 56.0° / 81.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

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



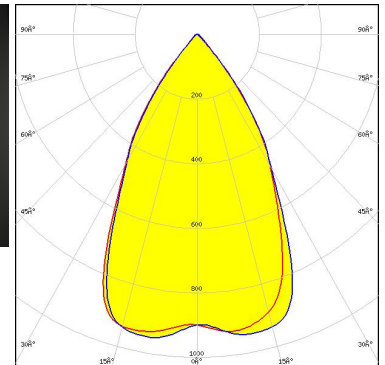
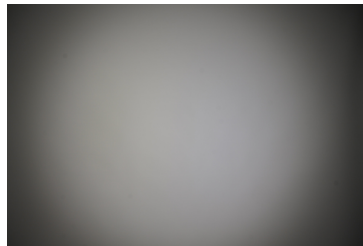
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM / FWTM 60.0° / 84.0°
Efficiency 92 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13867_LENINA-STD-BASE-VERO29
Bender Wirth: 462 Typ L3



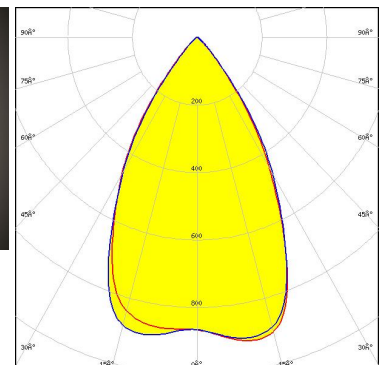
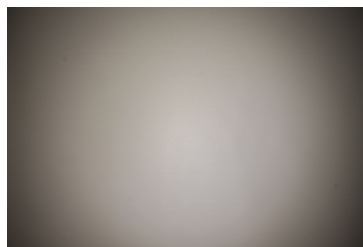
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM / FWTM 60.0° / 85.0°
Efficiency 87 %
Peak intensity 0.9 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

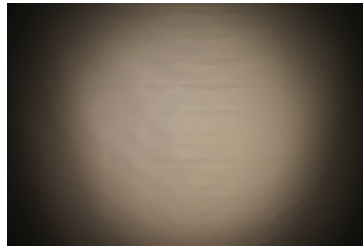


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

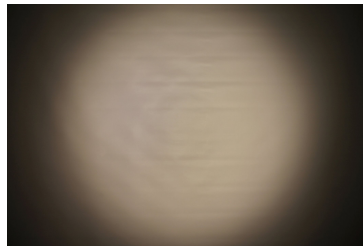
LED Fortimo SLM L13 CoB
FWHM / FWTM 57.0° / 83.0°
Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL



Light distribution files

PHILIPS

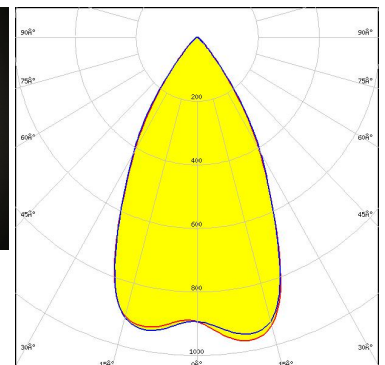
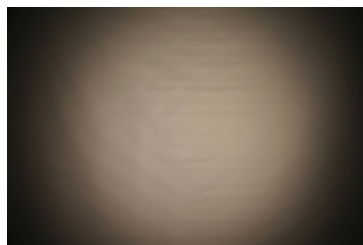
LED Fortimo SLM L13 CoB
FWHM / FWTM 57.0° / 81.0°
Efficiency 92 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ



Light distribution files

PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 56.0° / 83.0°
Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL

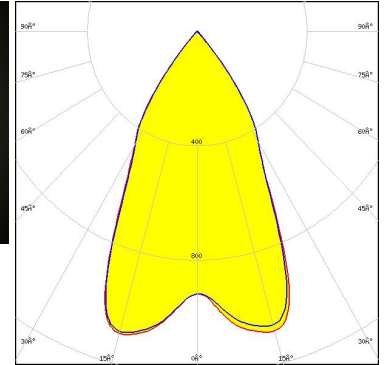


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

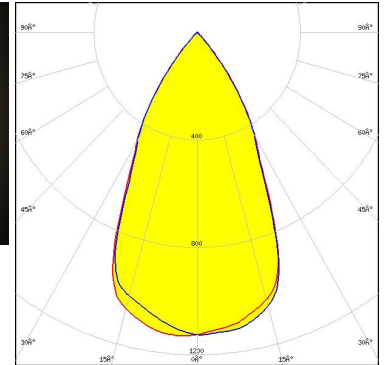
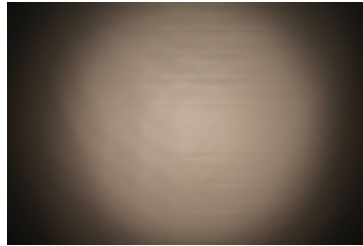
LED Fortimo SLM L15 CoB
 FWHM / FWTM 59.0° / 82.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12292_LENINA-STD-BASE-MEZ



Light distribution files

PHILIPS

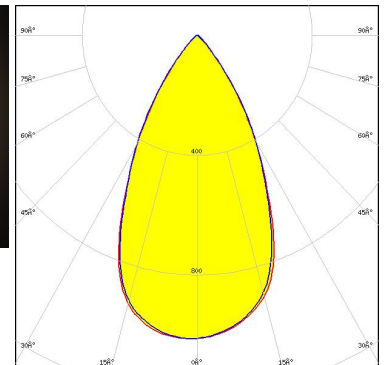
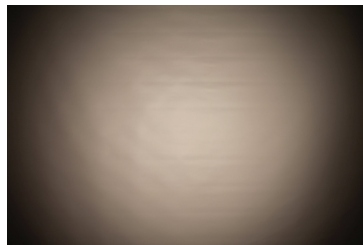
LED Fortimo SLM L19 CoB
 FWHM / FWTM 53.0° / 81.0°
 Efficiency 91 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040



Light distribution files

PHILIPS

LED Fortimo SLM L19 CoB
 FWHM / FWTM 54.0° / 83.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL

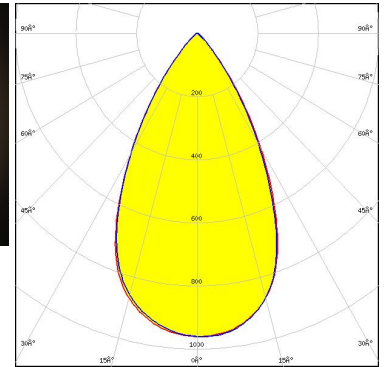


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

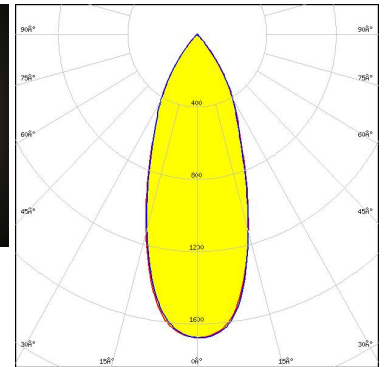
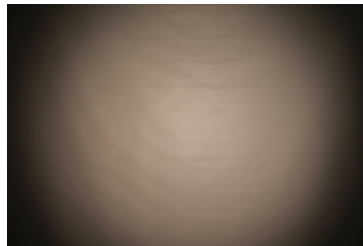
LED Fortimo SLM L23 CoB
 FWHM / FWTM 57.0° / 84.0°
 Efficiency 85 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12292_LENINA-STD-BASE-MEZ
 C12606_LENINA-DL



Light distribution files

PHILIPS

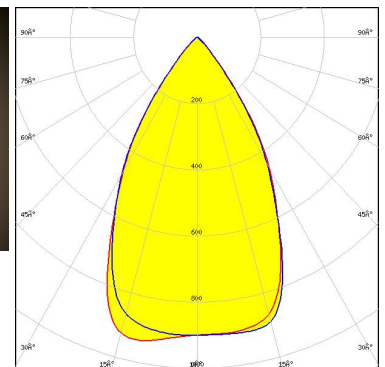
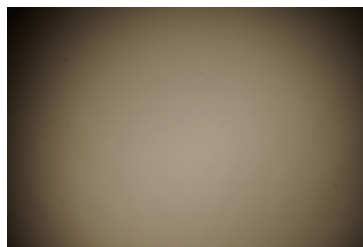
LED Fortimo SLM L23 CoB
 FWHM / FWTM 39.0° / 76.0°
 Efficiency 92 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12692_LENINA-STD-BASE-CLL040



Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 59.0° / 84.0°
 Efficiency 87 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C12691_LENINA-STD-BASE-CLL030
 C12606_LENINA-DL

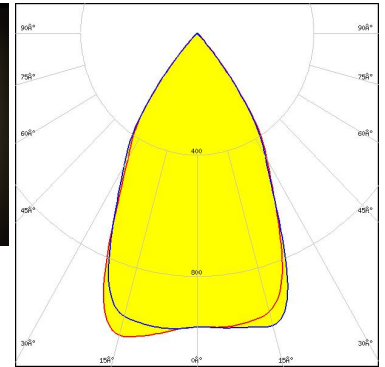
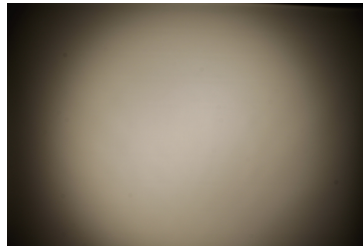


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

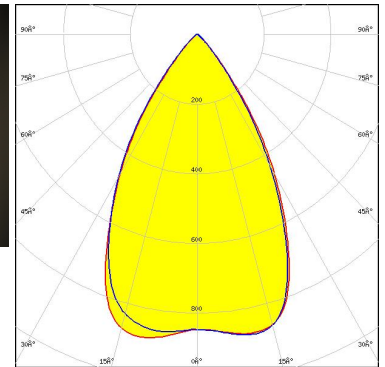
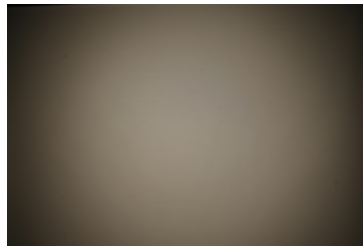
LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 57.0° / 82.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030



Light distribution files

SAMSUNG

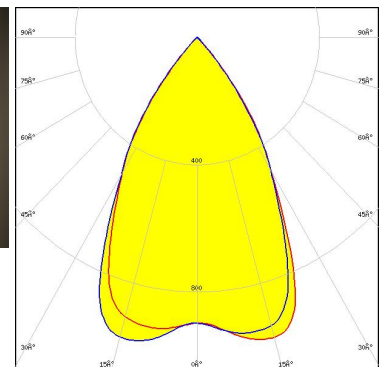
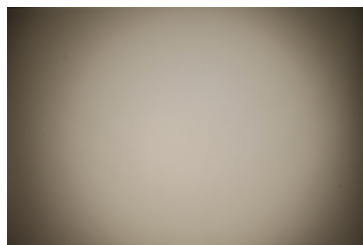
LED LC026B / 033B / 040B
FWHM / FWTM 61.0° / 85.0°
Efficiency 86 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 450 Typ L2



Light distribution files

SAMSUNG

LED LC026B / 033B / 040B
FWHM / FWTM 61.0° / 84.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 450 Typ L2

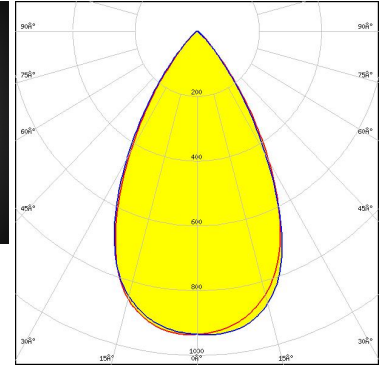
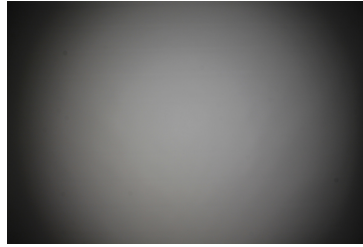


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

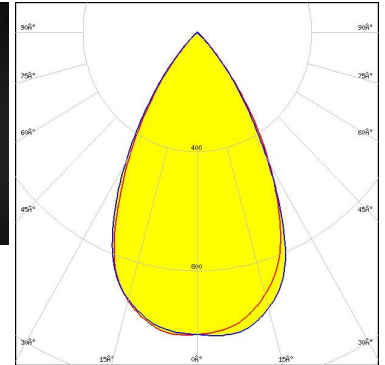
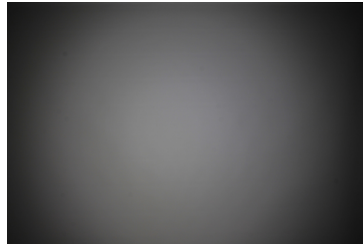
LED LC040D / LC060D / LC080D
FWHM / FWTM 59.0° / 85.0°
Efficiency 86 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040
C12606_LENINA-DL



Light distribution files

SAMSUNG

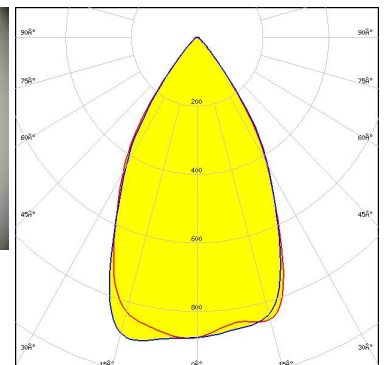
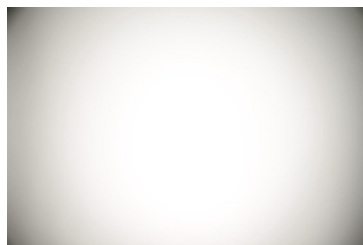
LED LC040D / LC060D / LC080D
FWHM / FWTM 59.0° / 84.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12692_LENINA-STD-BASE-CLL040



Light distribution files

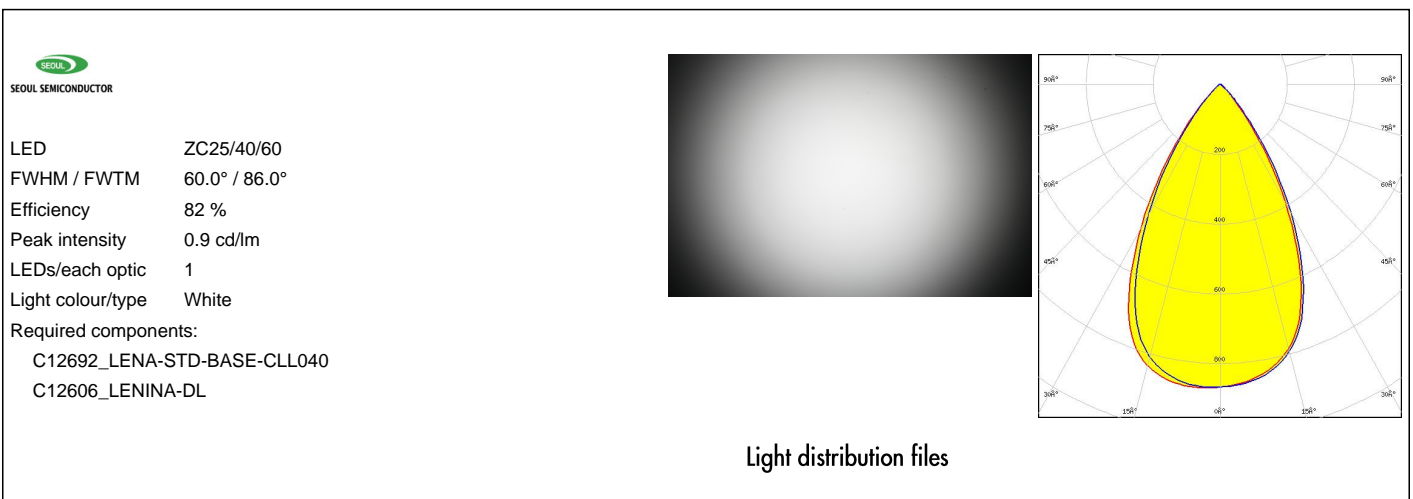
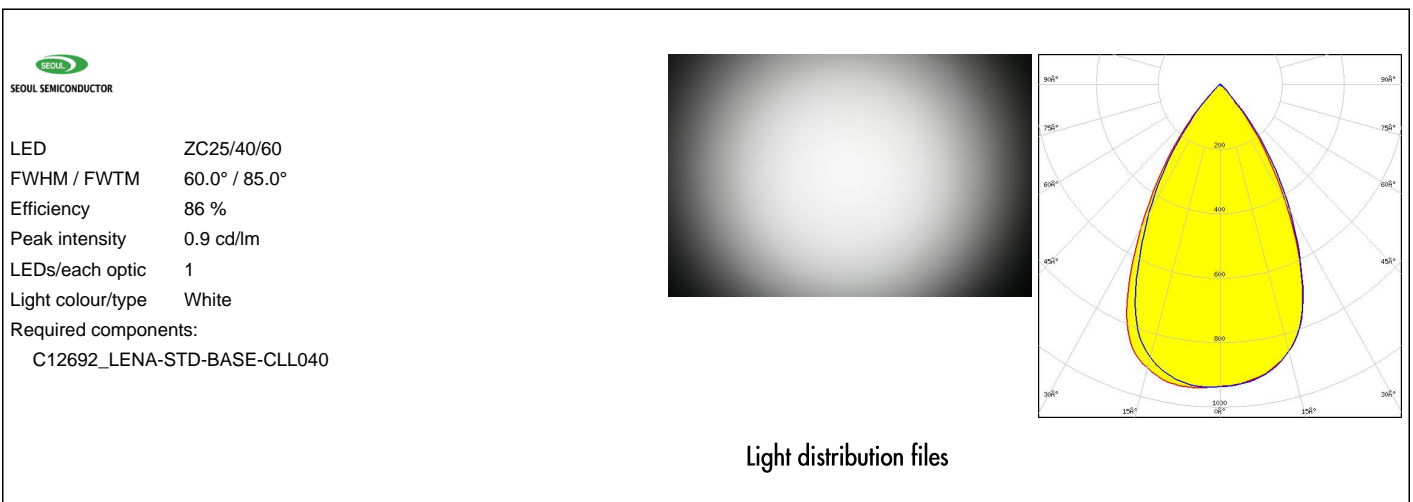
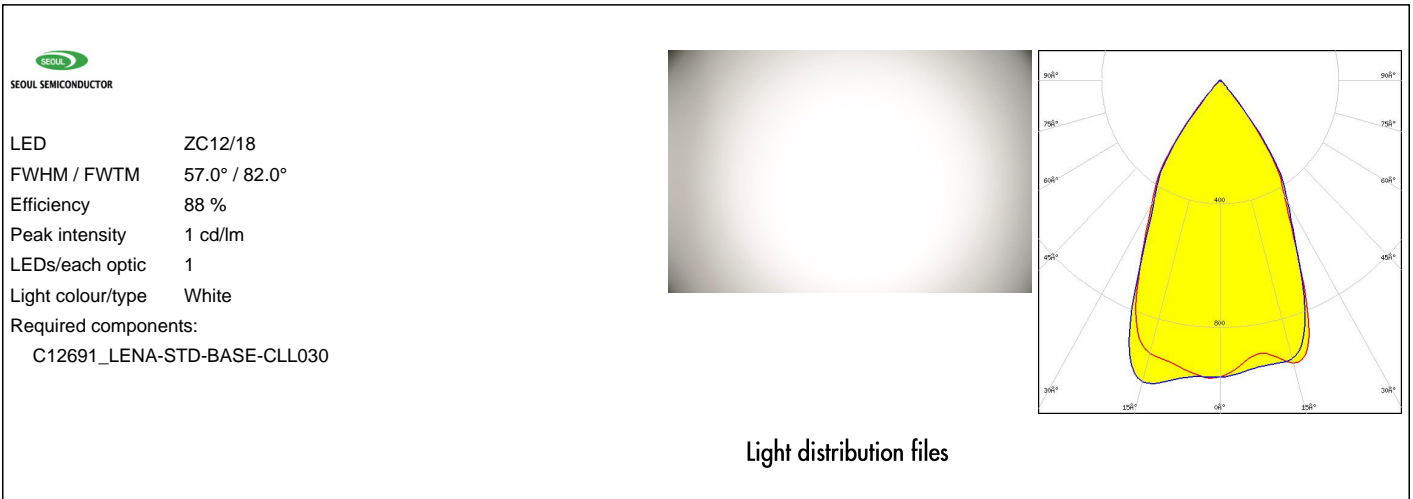


LED ZC12/18
FWHM / FWTM 59.0° / 84.0°
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



Light distribution files

OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

SHARP

LED Mega Zenigata (GW5DGC)
FWHM / FWTM 45.0° / 80.0°
Efficiency 78 %
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL

Light distribution files

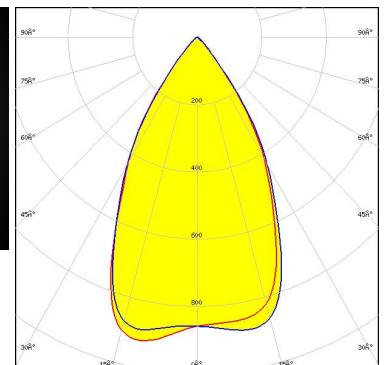
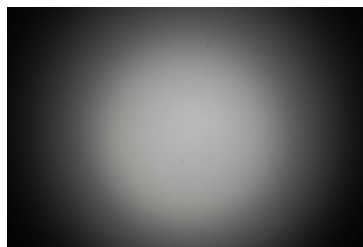
SHARP

LED Mega Zenigata (GW5DGC)
FWHM / FWTM 41.0° / 77.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ

Light distribution files

SHARP

LED Mega Zenigata (GW6DME)
FWHM / FWTM 59.0° / 83.0°
Efficiency 83 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL

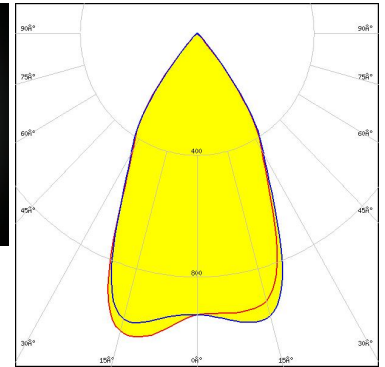
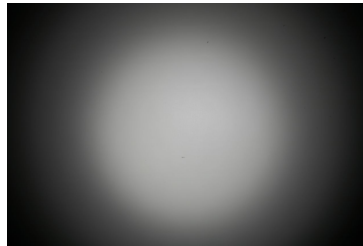


Light distribution files

OPTICAL RESULTS (MEASURED):

SHARP

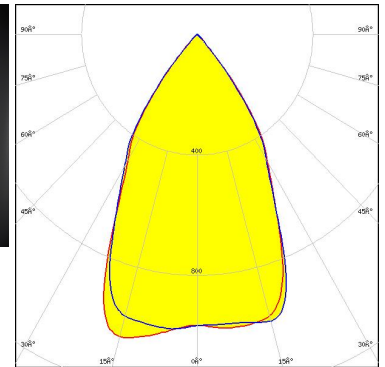
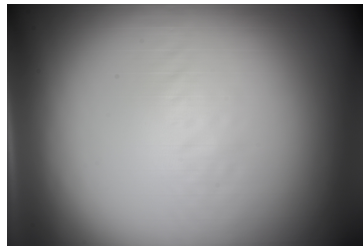
LED Mega Zenigata (GW6DME)
FWHM / FWTM 57.0° / 82.0°
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12292_LENINA-STD-BASE-MEZ



Light distribution files

TRIDONIC

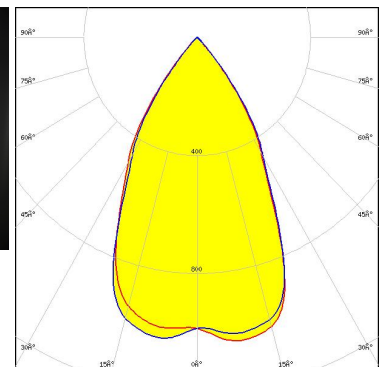
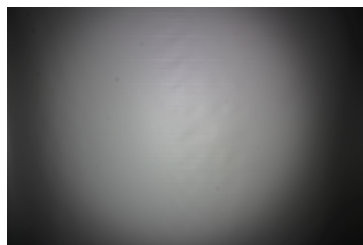
LED SLE G7 LES15
FWHM / FWTM 59.0° / 82.0°
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENINA-STD-BASE-CLL030



Light distribution files

TRIDONIC

LED SLE G7 LES17 H
FWHM / FWTM 56.0° / 82.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14547_LENINA-ADAPTER-B

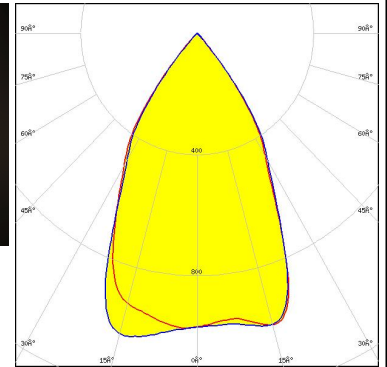
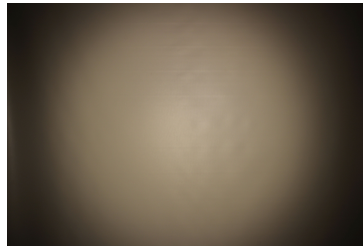


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

LED XOB 14.5 mm
FWHM / FWTM 58.0° / 82.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C12691_LENA-STD-BASE-CLL030

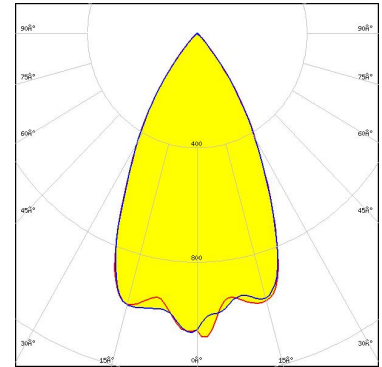


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED V10 Gen7
FWHM / FWTM 55.0° / 81.0°
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL

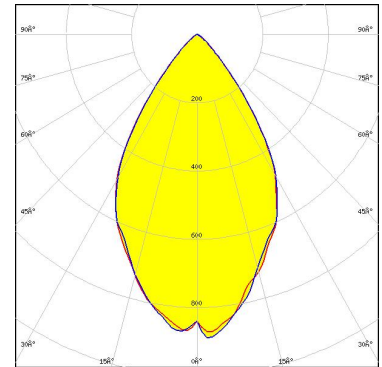


Light distribution files

Bender Wirth: 486 Typ L1



LED V13 Gen7
FWHM / FWTM 63.0° / 91.0°
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL

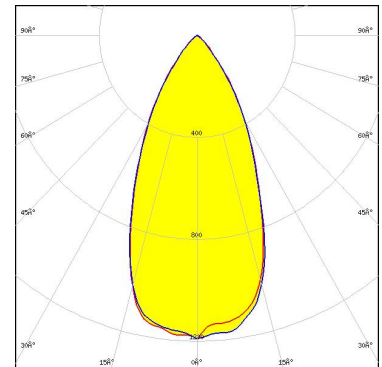


Light distribution files

Bender Wirth: 477 Typ L1



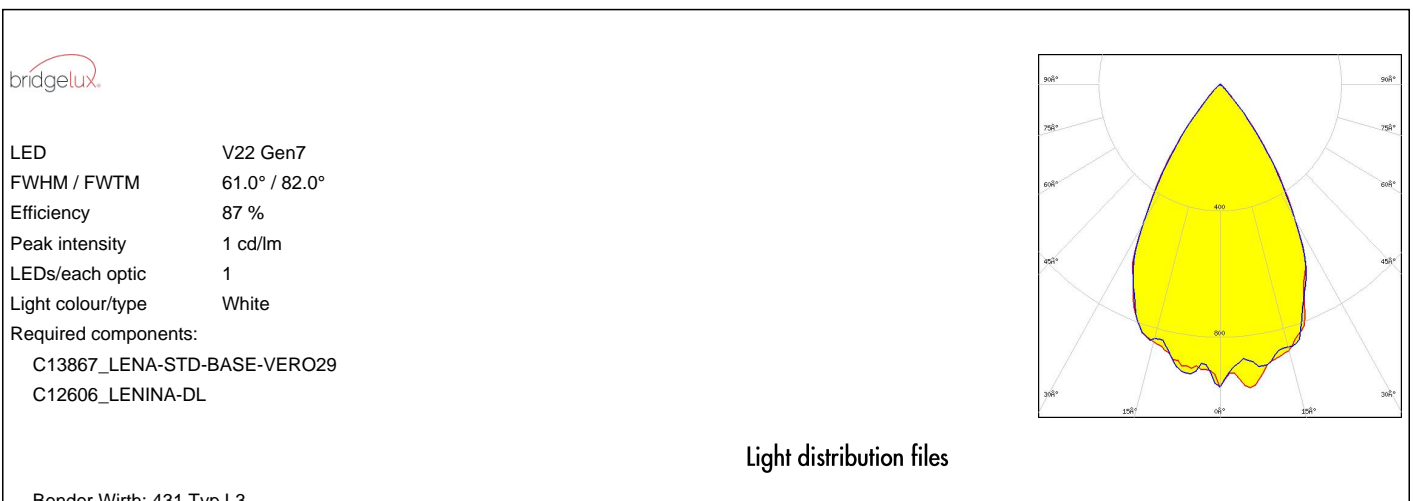
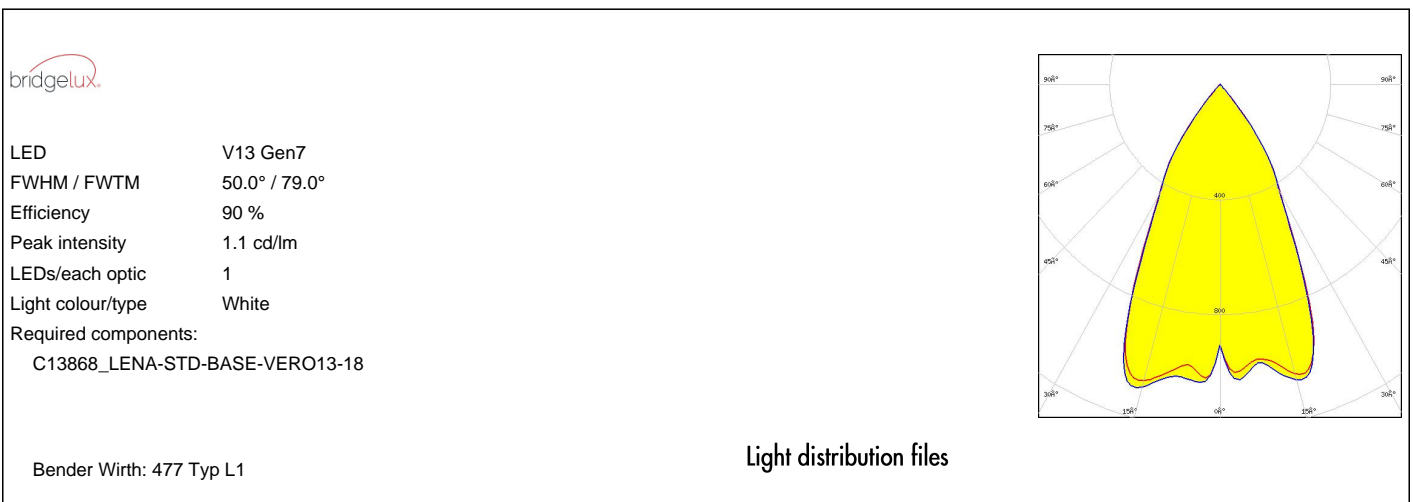
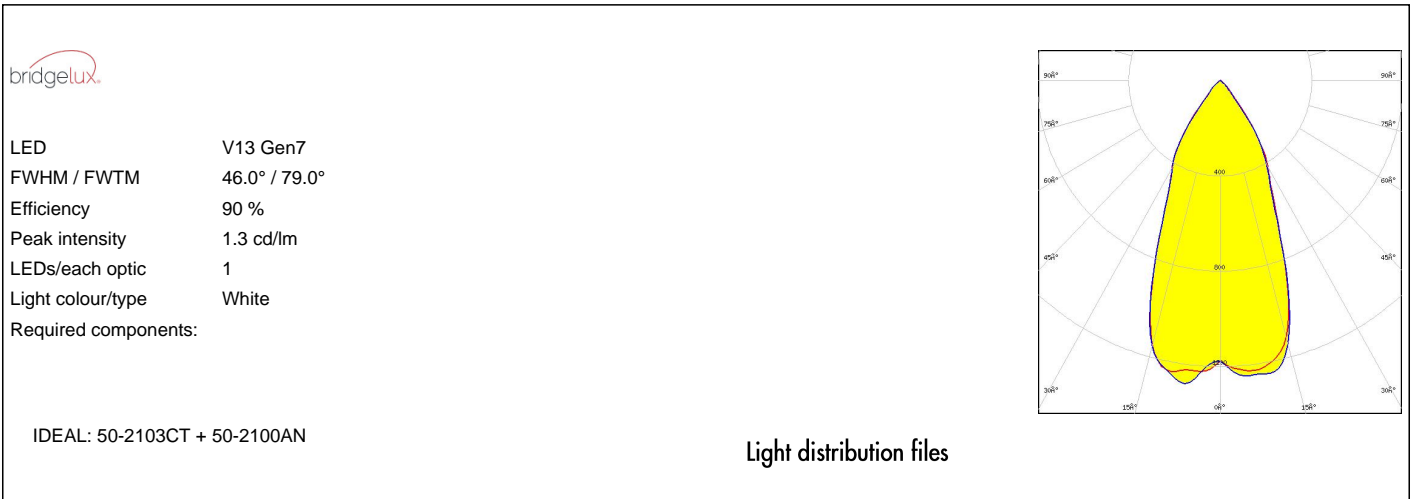
LED V13 Gen7
FWHM / FWTM 48.0° / 82.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C12606_LENINA-DL



Light distribution files

IDEAL: 50-2103CT + 50-2100AN

OPTICAL RESULTS (SIMULATED):



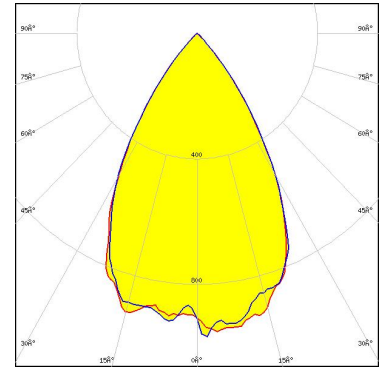
OPTICAL RESULTS (SIMULATED):



LED V22 Gen7
FWHM / FWTM 61.0° / 84.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:
C13867_LENINA-STD-BASE-VERO29

Bender Wirth: 431 Typ L3



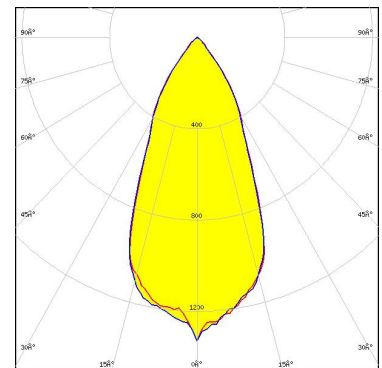
Light distribution files



LED CXA/B 30xx
FWHM / FWTM 46.0° / 80.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

IDEAL: 50-2234C + 50-2100LN



Light distribution files

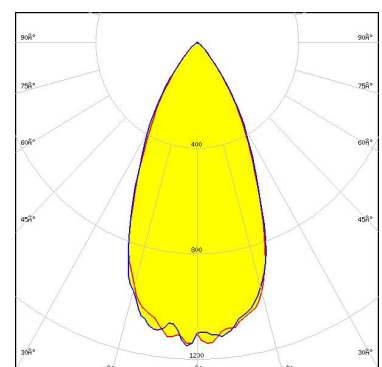


LED CXA/B 30xx
FWHM / FWTM 49.0° / 81.0°
Efficiency 84 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C12606_LENINA-DL

IDEAL: 50-2234C + 50-2100LN



Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CxM-14 (19x19)
FWHM / FWTM 60.0° / 83.0°
Efficiency 86 %
Peak intensity 1 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: 433 Typ L1



LED CxM-14 (19x19)
FWHM / FWTM 57.0° / 82.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13868_LENA-STD-BASE-VERO13-18

[Light distribution files](#)

Bender Wirth: 433 Typ L1



LED CxM-9 (13.5x13.5)
FWHM / FWTM 57.0° / 82.0°
Efficiency 86 %
Peak intensity 1 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

OPTICAL RESULTS (SIMULATED):



LED CxM-9 (13.5x13.5)
FWHM / FWTM 54.0° / 80.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13868_LENINA-STD-BASE-VERO13-18

Light distribution files

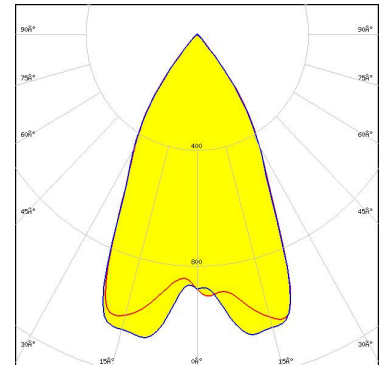


Opto Semiconductors

LED Soleriq S15
FWHM / FWTM 56.0° / 81.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C12691_LENINA-STD-BASE-CLL030



Light distribution files



SEOUL SEMICONDUCTOR


LED ZC12/18
FWHM / FWTM 57.0° / 82.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:


C13868_LENINA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1

OPTICAL RESULTS (SIMULATED):

 SEOL SEMICONDUCTOR	
LED	ZC12/18
FWHM / FWTM	60.0° / 83.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C12606_LENINA-DL	
Bender Wirth: 433 Typ L1	

 SEOL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	54.0° / 80.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 434 Typ L1	

 SEOL SEMICONDUCTOR	
LED	ZC4/6
FWHM / FWTM	57.0° / 82.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13868_LENA-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.

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Distribution Partners

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