Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

LENINA-XW

White version with ~75° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 74.0 mm
Height	40 mm
Fastening	socket
Colour	white
Box size	476 x 273 x 197 mm
Box weight	2 kg
Quantity in Box	60 pcs
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:
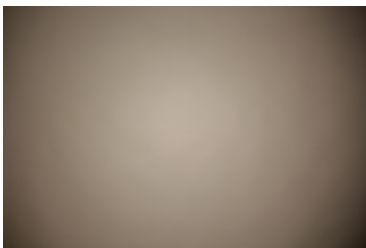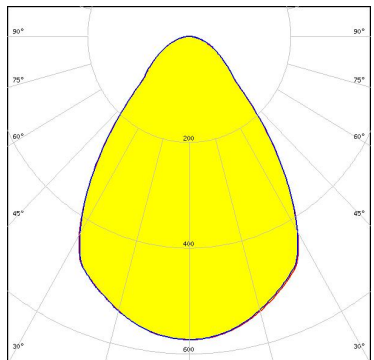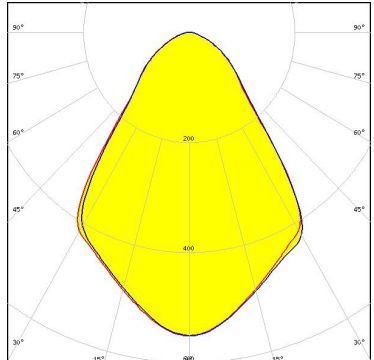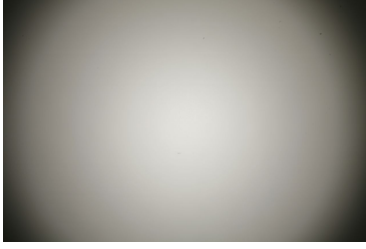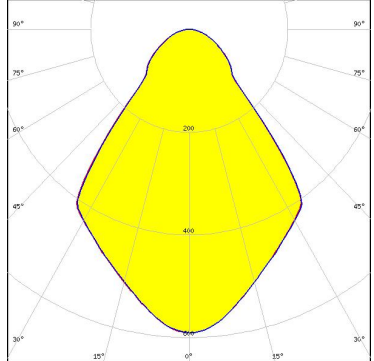
Component	Type	Material	Colour	Coating
LENINA-XW	Reflector	HRPC	white	

This drawing applies to:
C12597_LENINA-S
C12598_LENINA-M
C12599_LENINA-W
C12958_LENINA-XW

40

2

58.2

Isometric view

⌀74

INDEX	DESCRIPTION	MATERIAL
1	Lenina-reflector	PC

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

This drawing is the property
of LEDiL Oy. It may not be
reproduced, copied or
communicated without a written
agreement with LEDiL Oy.'

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
Datasheet_Lenina-reflector

SIZE	PART NUMBER		
A3	-		
SCALE 1:1	WEIGHT (g)		SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	BXRA ES Rectangle
FWHM	73.0°
Efficiency	84 %
Peak intensity	0.570 cd/lm

Required components:
C12153_LENA-STD-BASE-BXRA
C12606_LENINA-DL

bridgelux

LED	BXRA ES Rectangle
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.610 cd/lm

Required components:
C12153_LENA-STD-BASE-BXRA

bridgelux

LED	BXRA RS
FWHM	87.0°
Efficiency	87 %
Peak intensity	0.539 cd/lm

Required components:
C12229_LENA-STD-BASE-RS
C12606_LENINA-DL

bridgelux

LED	BXRA RS
FWHM	76.0°
Efficiency	91 %
Peak intensity	0.570 cd/lm

Required components:
C12229_LENA-STD-BASE-RS

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	V10 Gen6
FWHM	69.0°
Efficiency	86 %
Peak intensity	0.700 cd/lm
Required components:	
C13186_LENA-STD-BASE-CXA15	
C12606_LENINA-DL	

bridgelux

LED	Vero SE 29
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.600 cd/lm
Required components:	
C15083_LENA-STD-BASE-VERO29	

bridgelux

LED	VERO13
FWHM	75.0°
Efficiency	87 %
Peak intensity	0.550 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C12606_LENINA-DL	

bridgelux

LED	VERO13
FWHM	76.0°
Efficiency	91 %
Peak intensity	0.590 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	VERO18
FWHM	76.0°
Efficiency	91 %
Peak intensity	0.580 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	

bridgelux

LED	VERO18
FWHM	75.0°
Efficiency	87 %
Peak intensity	0.540 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C12606_LENINA-DL	

bridgelux

LED	VERO29
FWHM	77.0°
Efficiency	87 %
Peak intensity	0.520 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
C12606_LENINA-DL	

bridgelux

LED	VERO29
FWHM	77.0°
Efficiency	91 %
Peak intensity	0.540 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	

PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CL-L340
FWHM	71.0°
Efficiency	82 %
Peak intensity	0.575 cd/lm
Required components:	
C11995_LENA-STD-BASE-CL340	
C12606_LENINA-DL	
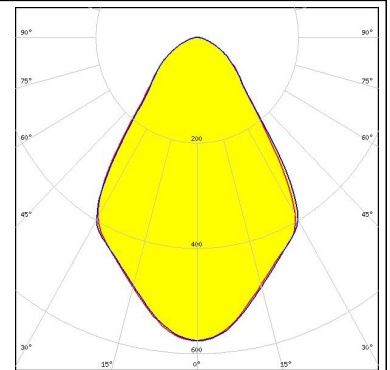
CITIZEN

LED	CL-L340
FWHM	72.0°
Efficiency	86 %
Peak intensity	0.619 cd/lm
Required components:	
C11995_LENA-STD-BASE-CL340	
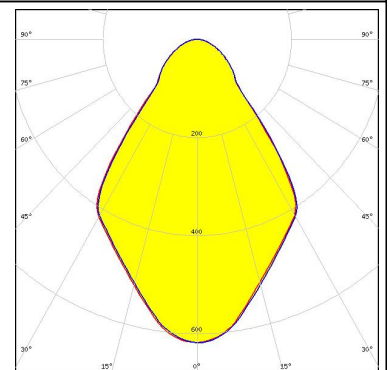
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.590 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C12606_LENINA-DL	
Bender Wirth: 434 Typ L1	
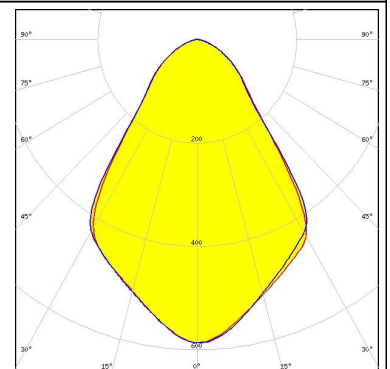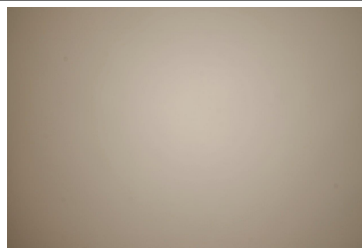
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.640 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 434 Typ L1	
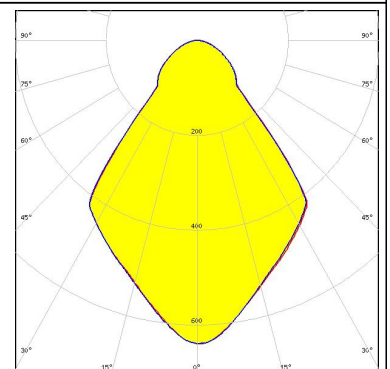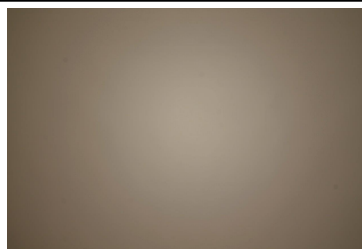
PHOTOMETRIC DATA (MEASURED):
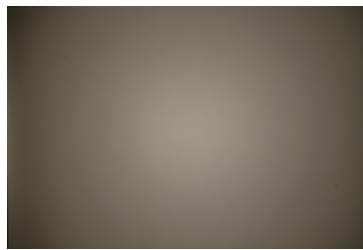
CITIZEN

LED	CLL03x/CLU03x
FWHM	72.0°
Efficiency	88 %
Peak intensity	0.610 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030
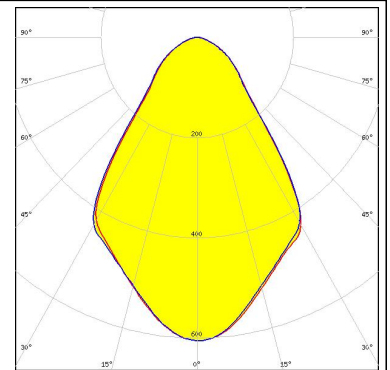
C12606_LENINA-DL

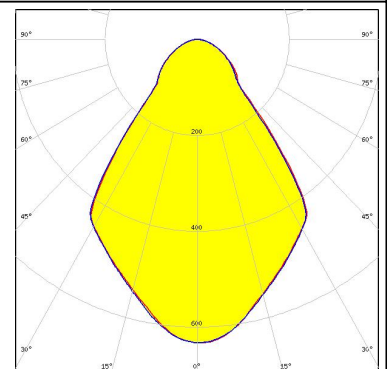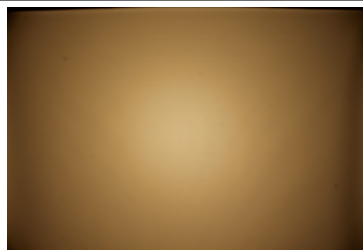

CITIZEN

LED	CLL03x/CLU03x
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.580 cd/lm

Required components:

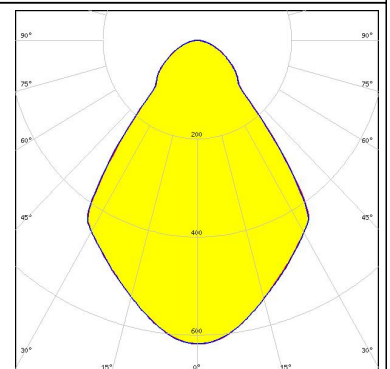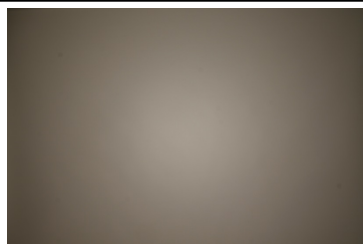C13868_LENA-STD-BASE-VERO13-18

C12606_LENINA-DL

Bender Wirth: 433 Typ L1
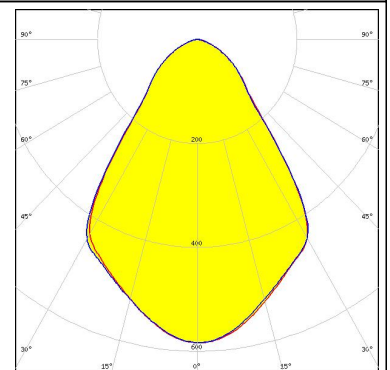
CITIZEN

LED	CLL03x/CLU03x
FWHM	74.0°
Efficiency	93 %
Peak intensity	0.630 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030

CITIZEN

LED	CLL03x/CLU03x
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.620 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18
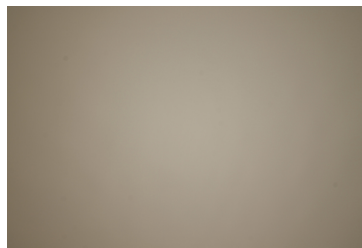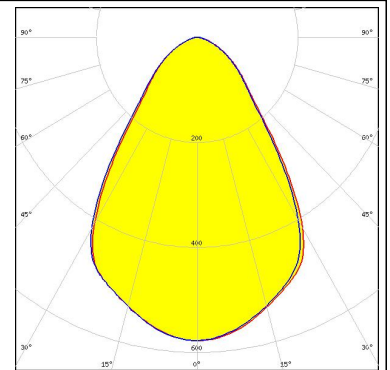
Bender Wirth: 433 Typ L1

PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL04x/CLU04x
FWHM	71.0°
Efficiency	89 %
Peak intensity	0.600 cd/lm
Required components:	

C12692_LENA-STD-BASE-CLL040

CITIZEN

LED	CLL04x/CLU04x
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.580 cd/lm
Required components:	

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 431 Typ L3
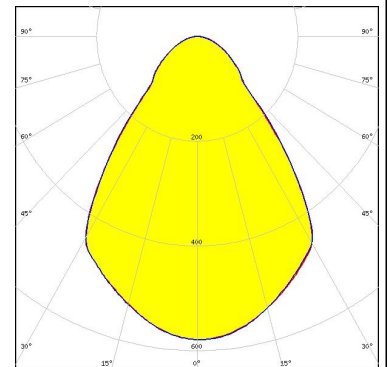
CITIZEN

LED	CLL04x/CLU04x
FWHM	75.0°
Efficiency	89 %
Peak intensity	0.540 cd/lm
Required components:	

C13867_LENA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 431 Typ L3
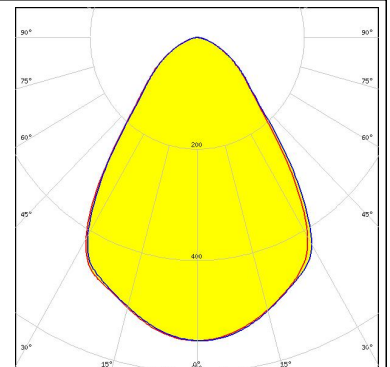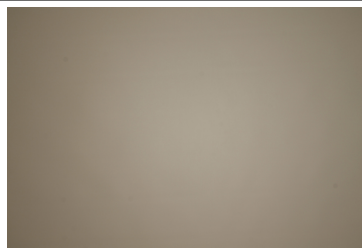
CITIZEN

LED	CLL04x/CLU04x
FWHM	73.0°
Efficiency	81 %
Peak intensity	0.500 cd/lm
Required components:	

C12606_LENINA-DL

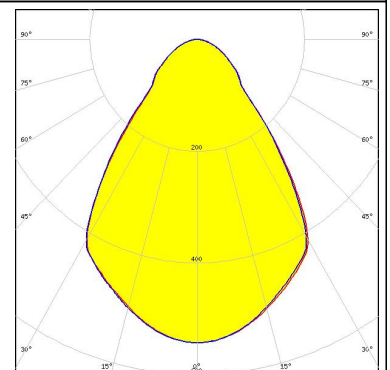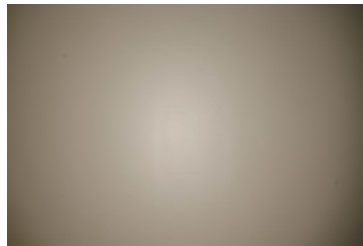A.A.G. STUCCHI: 8102/G2 + S-8000/12
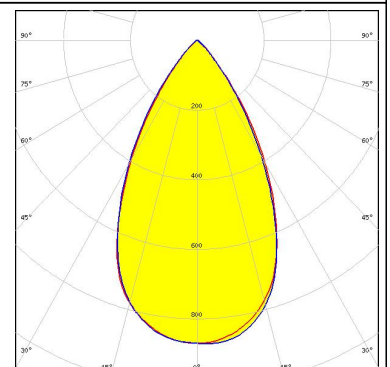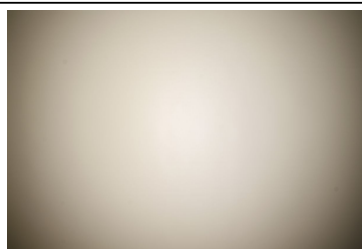
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL04x/CLU04x
FWHM	71.0°
Efficiency	88 %
Peak intensity	0.600 cd/lm

Required components:

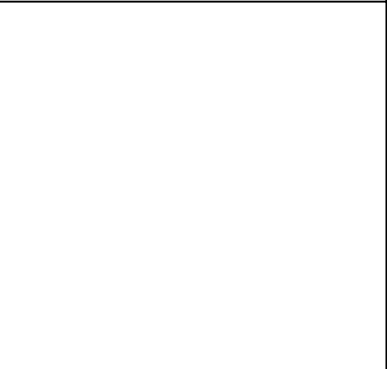 C12606_LENINA-DL

  IDEAL: 50-2204CT + 50-2100LN

CITIZEN

LED	CLL04x/CLU04x
FWHM	74.0°
Efficiency	84 %
Peak intensity	0.500 cd/lm

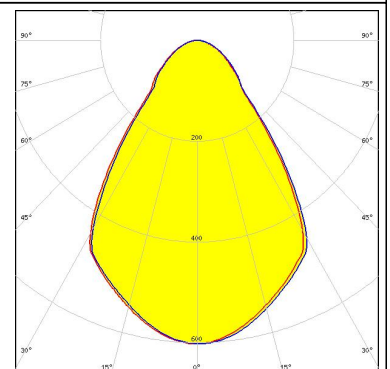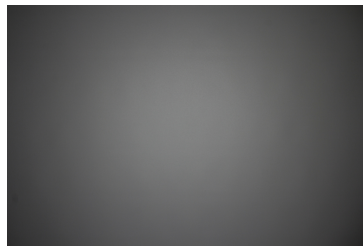Required components:

  A.A.G. STUCCHI: 8102/G2 + S-8000/12

CITIZEN

LED	CLL04x/CLU04x
FWHM	71.0°
Efficiency	84 %
Peak intensity	0.600 cd/lm

Required components:

  C12692_LENA-STD-BASE-CLL040

  C12606_LENINA-DL

CITIZEN

LED	CLL04x/CLU04x
FWHM	72.0°
Efficiency	91 %
Peak intensity	0.600 cd/lm

Required components:

  IDEAL: 50-2204CT + 50-2100LN

PHOTOMETRIC DATA (MEASURED):

CITIZEN

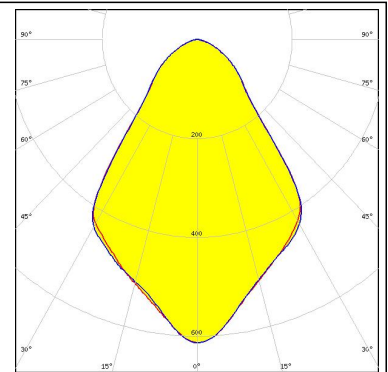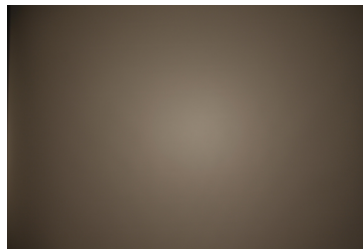|	
LED	CLU700/701
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.610 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

C12606_LENINA-DL

Bender Wirth: 434 Typ L1

CITIZEN
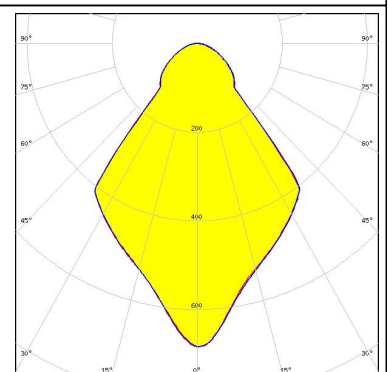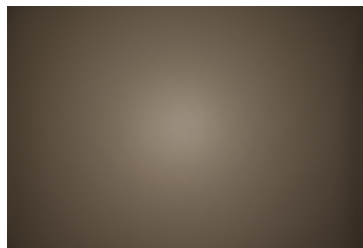
LED	CLU700/701
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.680 cd/lm

Required components:

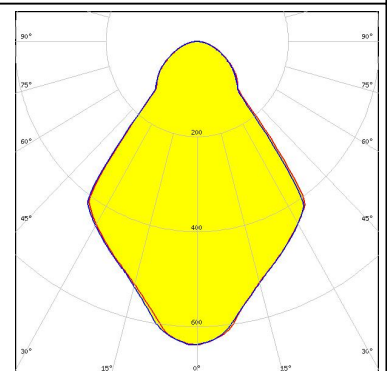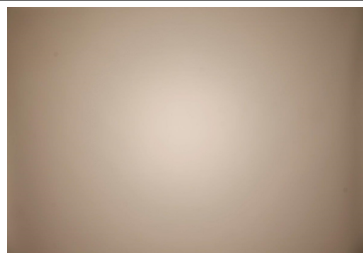C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 434 Typ L1

CITIZEN

LED	CLU710/711
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.640 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030

CITIZEN

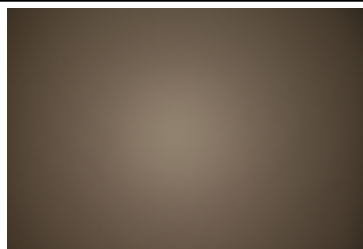|	
LED	CLU710/711
FWHM	73.0°
Efficiency	90 %
Peak intensity	0.590 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030
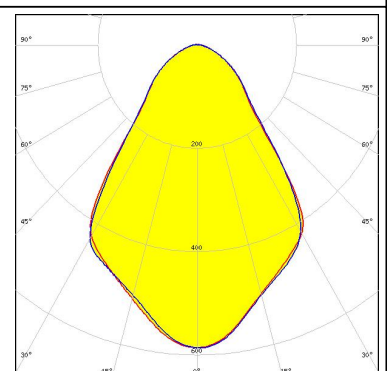
C12606_LENINA-DL
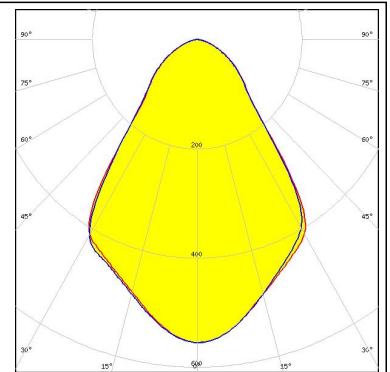
PHOTOMETRIC DATA (MEASURED):

CITIZEN

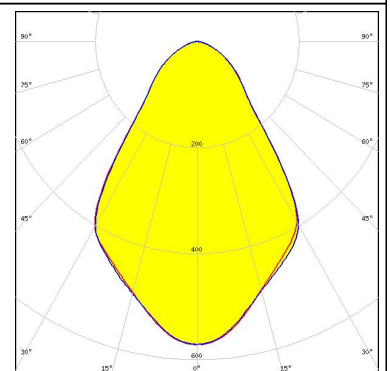|	
LED	CLU720/721
FWHM	73.0°
Efficiency	85 %
Peak intensity	0.560 cd/lm

Required components:
C12691_LENA-STD-BASE-CLL030
C12606_LENINA-DL

CITIZEN

LED	CLU720/721
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.600 cd/lm

Required components:
C12691_LENA-STD-BASE-CLL030
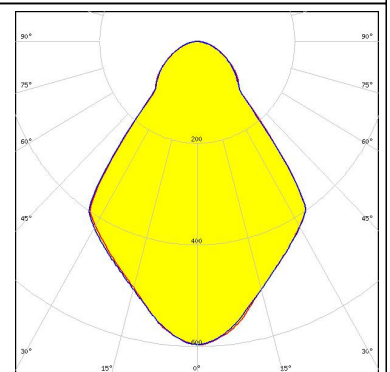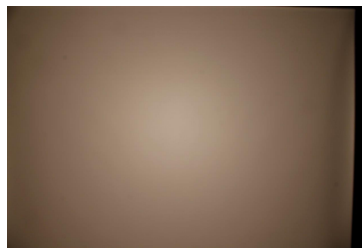
CITIZEN
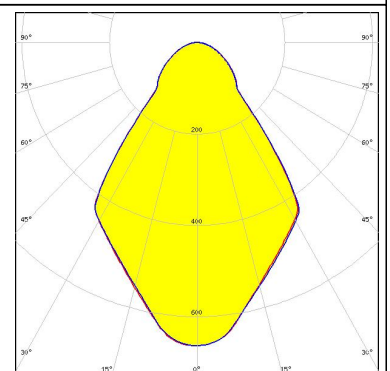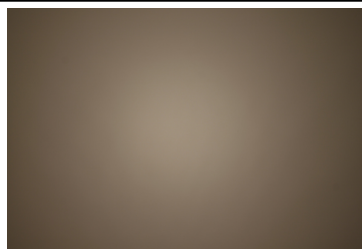
LED	CLU730/731
FWHM	71.0°
Efficiency	84 %
Peak intensity	0.570 cd/lm

Required components:
C12692_LENA-STD-BASE-CLL040
C12606_LENINA-DL
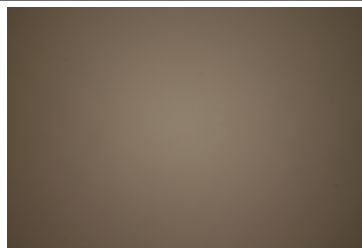
CITIZEN

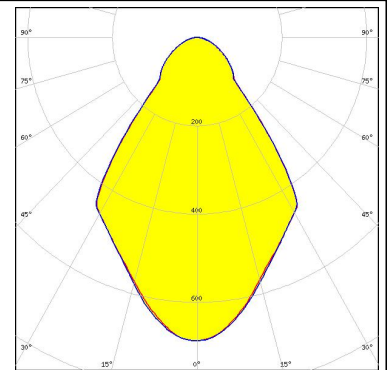|	
LED	CLU730/731
FWHM	72.0°
Efficiency	94 %
Peak intensity	0.660 cd/lm

Required components:
C12692_LENA-STD-BASE-CLL040

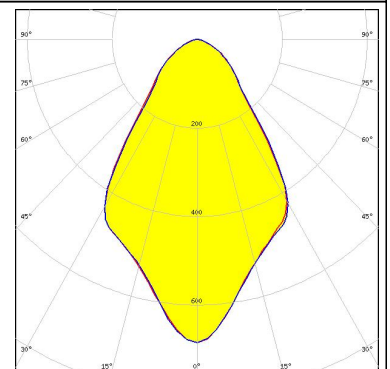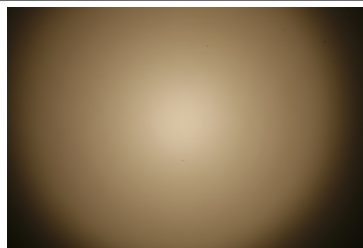## PHOTOMETRIC DATA (MEASURED):

CREE

LED	CMA1840
FWHM	71.0°
Efficiency	93 %
Peak intensity	0.700 cd/lm
Required components:	
C14146_LENA-STD-BASE-CXA18	

CREE

LED	CXA/B 15xx
FWHM	70.0°
Efficiency	91 %
Peak intensity	0.800 cd/lm
Required components:	
C13186_LENA-STD-BASE-CXA15	

CREE
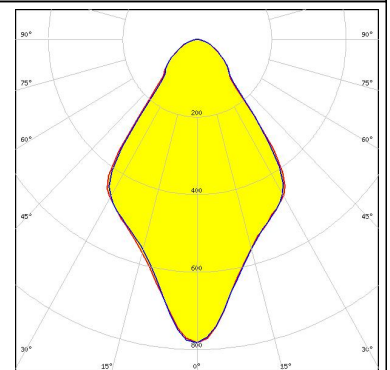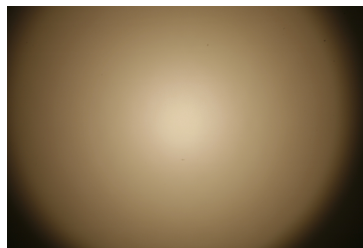
LED	CXA/B 15xx
FWHM	69.0°
Efficiency	86 %
Peak intensity	0.700 cd/lm
Required components:	
C13186_LENA-STD-BASE-CXA15	
C12606_LENINA-DL	

CREE

LED	CXA/B 15xx
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.590 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C12606_LENINA-DL	
Bender Wirth: 441 Typ L1	

PHOTOMETRIC DATA (MEASURED):
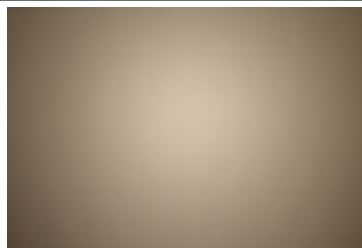
CREE
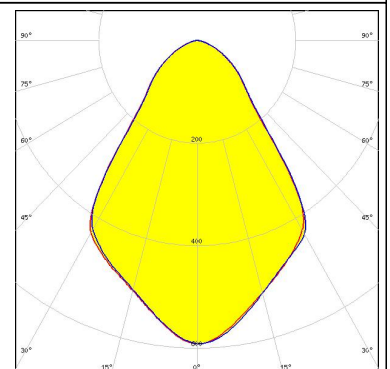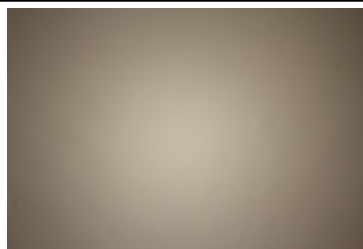
LED	CXA/B 15xx
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.640 cd/lm
Required components:	

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 441 Typ L1

CREE
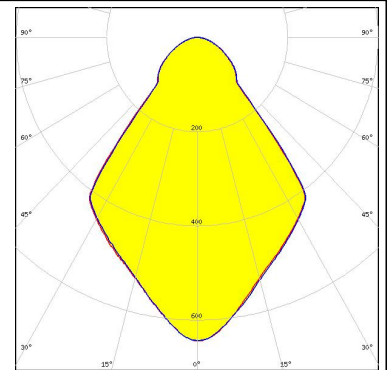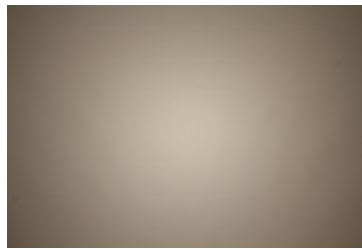
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.620 cd/lm
Required components:	

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 437 Typ L1

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.790 cd/lm
Required components:	

C14146_LENA-STD-BASE-CXA18

CREE
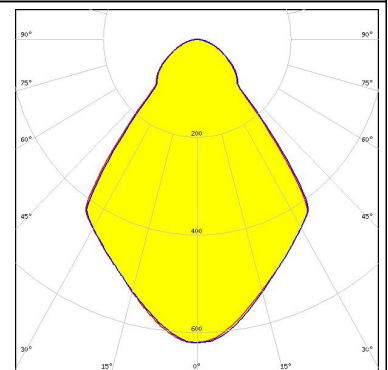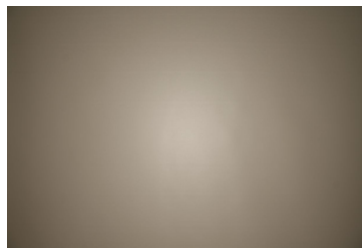
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.790 cd/lm
Required components:	

C14146_LENA-STD-BASE-CXA18
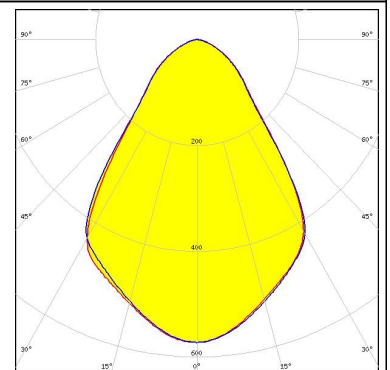
C12606_LENINA-DL

PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.590 cd/lm
Required components:	

C13868_LENA-STD-BASE-VERO13-18
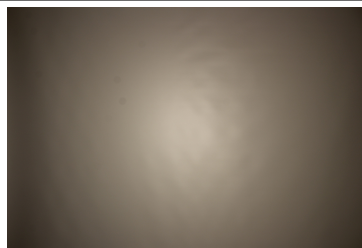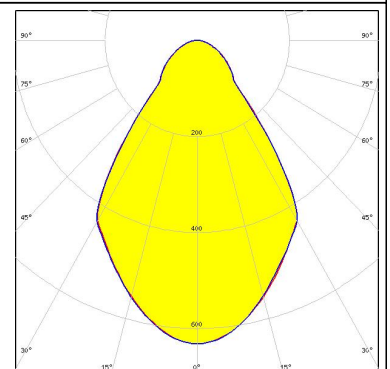C12606_LENINA-DL
Bender Wirth: 437 Typ L1
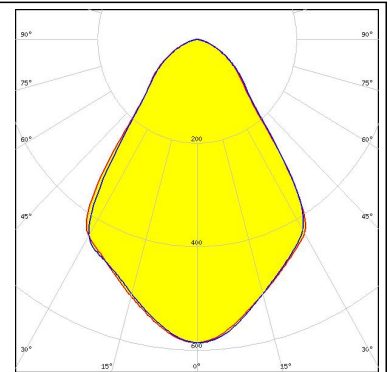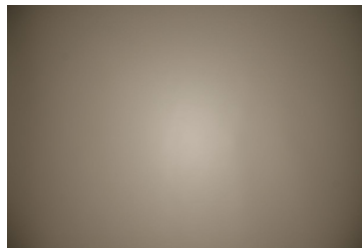
CREE

LED	CXA/B 1830
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.570 cd/lm
Required components:	

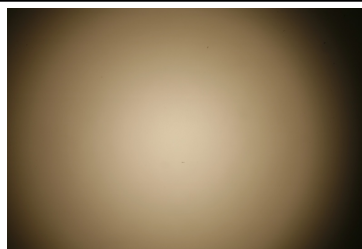C13868_LENA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 437 Typ L1

CREE

LED	CXA/B 1830
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
Required components:	

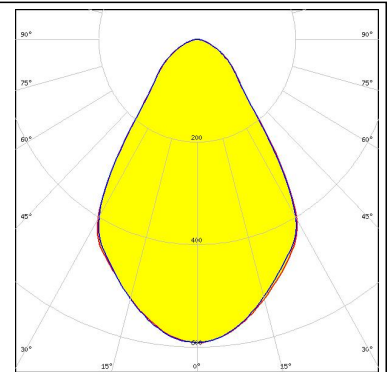C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 437 Typ L1
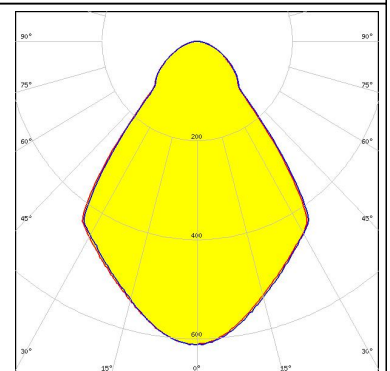
CREE

LED	CXA/B 25xx
FWHM	70.0°
Efficiency	89 %
Peak intensity	0.700 cd/lm
Required components:	

C13324_LENA-STD-BASE-CXA25

PHOTOMETRIC DATA (MEASURED):

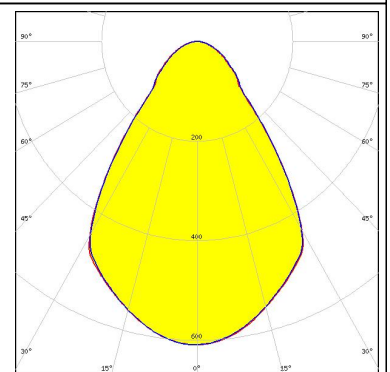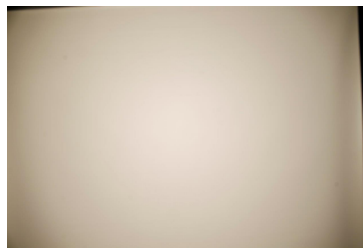### CREE

LED	CXA/B 25xx
FWHM	70.0°
Efficiency	84 %
Peak intensity	0.600 cd/lm

Required components:
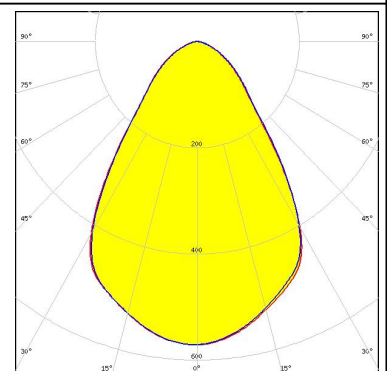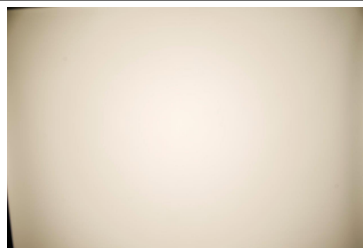C13324_LENA-STD-BASE-CXA25
C12606_LENINA-DL

CREE

LED	CXA/B 30xx
FWHM	72.0°
Efficiency	91 %
Peak intensity	0.600 cd/lm

Required components:
IDEAL: 50-2234C + 50-2100LN
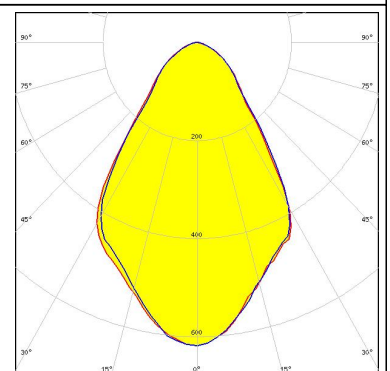
CREE

LED	CXA/B 30xx
FWHM	77.0°
Efficiency	87 %
Peak intensity	0.600 cd/lm

Required components:
C12606_LENINA-DL
IDEAL: 50-2234C + 50-2100LN

CREE

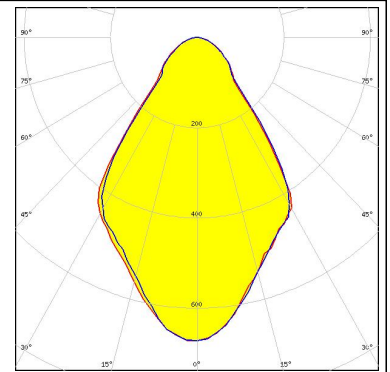|	
LED	CXA2011
FWHM	70.0°
Efficiency	82 %
Peak intensity	0.600 cd/lm

Required components:
C12105_LENA-STD-BASE-CXA20
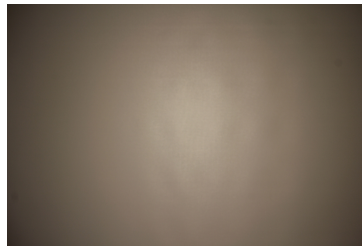C12606_LENINA-DL

PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA2011
FWHM	72.0°
Efficiency	87 %
Peak intensity	0.700 cd/lm
Required components:	
C12105_LENA-STD-BASE-CXA20	

EVERLIGHT

LED	CHI3030 19W
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.550 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
C12606_LENINA-DL	
Bender Wirth: 468 Typ L3	

EVERLIGHT

LED	CHI3030 29W
FWHM	75.0°
Efficiency	90 %
Peak intensity	0.520 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
C12606_LENINA-DL	
Bender Wirth: 468 Typ L3	
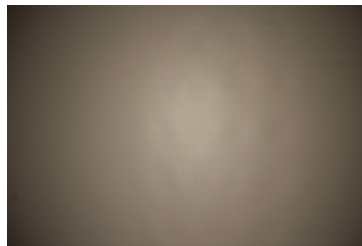
LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.630 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 438 Typ L1	

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.590 cd/lm

Required components:

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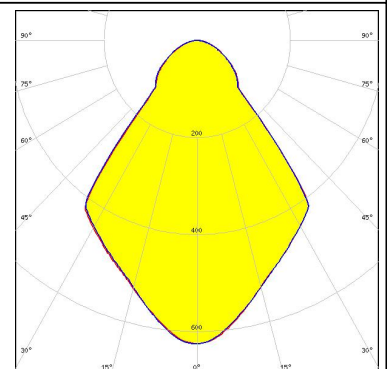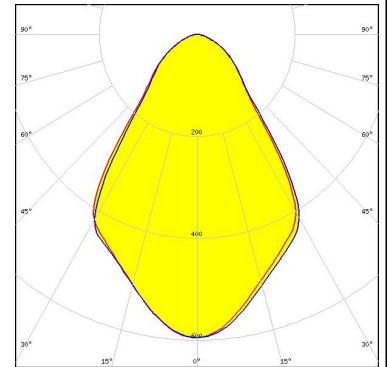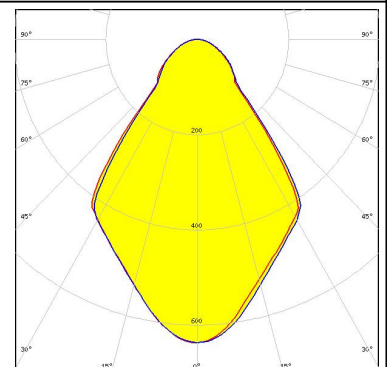
C12606_LENINA-DL

Bender Wirth: 438 Typ L1
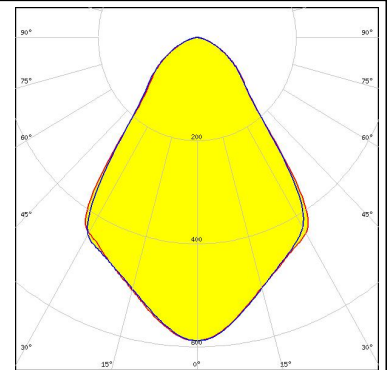
LUMILEDS

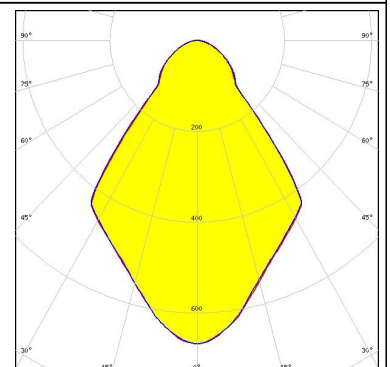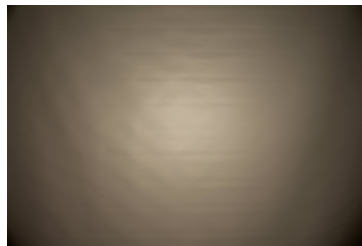|	
LED	LUXEON CoB 1204/1205
FWHM	71.0°
Efficiency	86 %
Peak intensity	0.600 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

C12606_LENINA-DL

LUMILEDS

LED	LUXEON CoB 1204/1205
FWHM	73.0°
Efficiency	90 %
Peak intensity	0.600 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

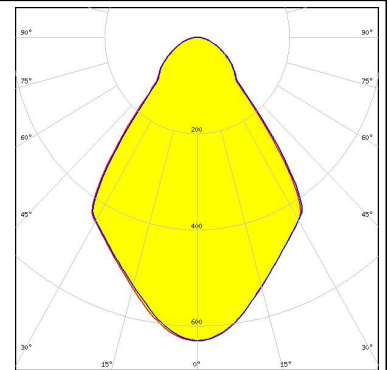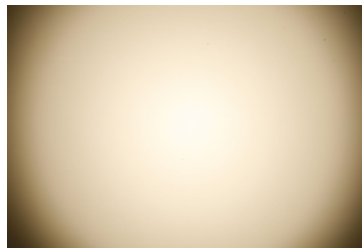

LUMILEDS

LED	LUXEON CoB 1205HD
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.670 cd/lm

Required components:

C11981_LENA-STD-BASE-COB-L110
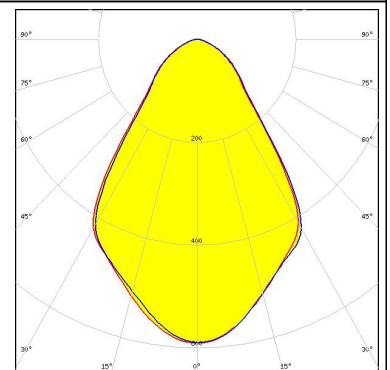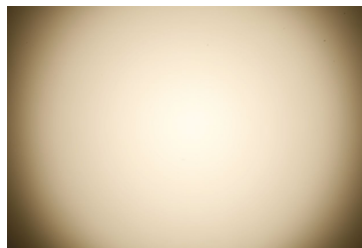
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1208
FWHM	73.0°
Efficiency	91 %
Peak intensity	0.600 cd/lm
Required components:	
C12292_LENA-STD-BASE-MEZ	

LUMILEDS

LED	LUXEON CoB 1208
FWHM	72.0°
Efficiency	86 %
Peak intensity	0.600 cd/lm
Required components:	
C12292_LENA-STD-BASE-MEZ	
C12606_LENINA-DL	

LUMILEDS

LED	LUXEON CoB 1211
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.600 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
Bender Wirth: 431 Typ L3	
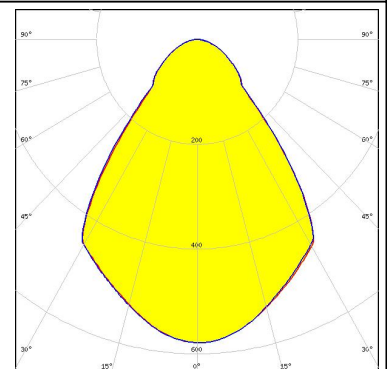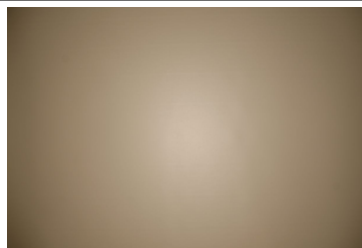
LUMILEDS

LED	LUXEON CoB 1211
FWHM	75.0°
Efficiency	88 %
Peak intensity	0.540 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
C12606_LENINA-DL	
Bender Wirth: 431 Typ L3	
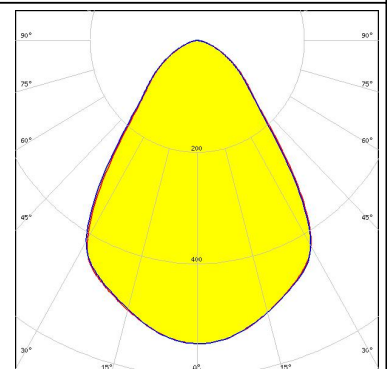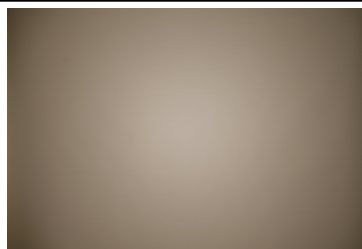
PHOTOMETRIC DATA (MEASURED):
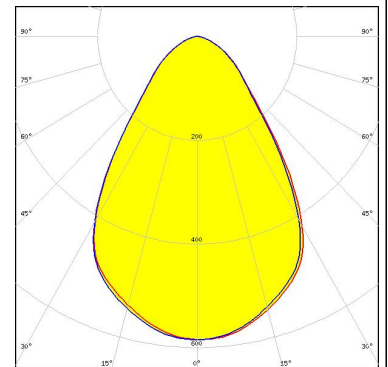
LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	74.0°
Efficiency	88 %
Peak intensity	0.560 cd/lm

Required components:
A.A.G. STUCCHI: 8102/G2 + S-8000/12
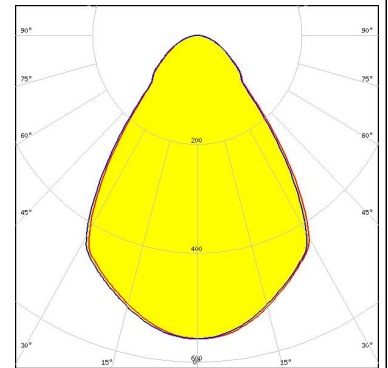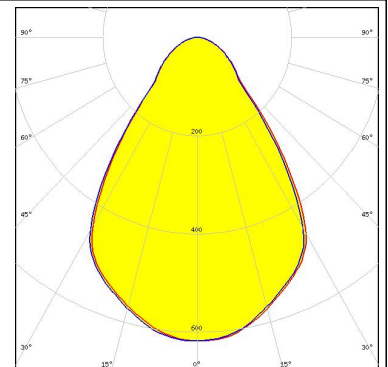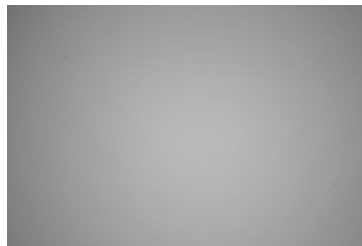
LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	72.0°
Efficiency	90 %
Peak intensity	0.590 cd/lm

Required components:
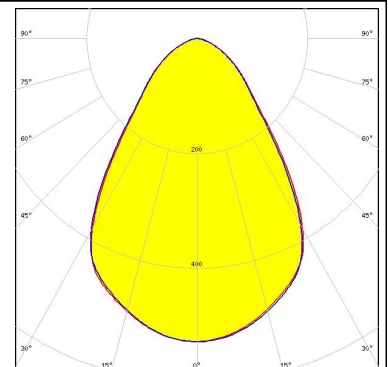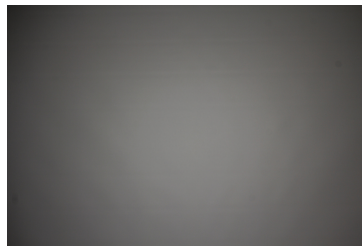C12692_LENA-STD-BASE-CLL040
C12606_LENINA-DL

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.620 cd/lm

Required components:
C12692_LENA-STD-BASE-CLL040

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	73.0°
Efficiency	83 %
Peak intensity	0.530 cd/lm

Required components:
C12606_LENINA-DL
A.A.G. STUCCHI: 8102/G2 + S-8000/12
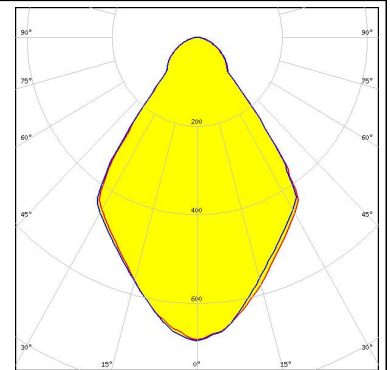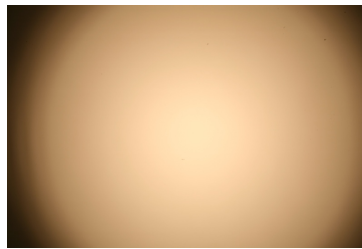
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON K12
FWHM	72.0°
Efficiency	90 %
Peak intensity	0.700 cd/lm

Required components:
C12924_LENA-STD-BASE-LUXEON-K
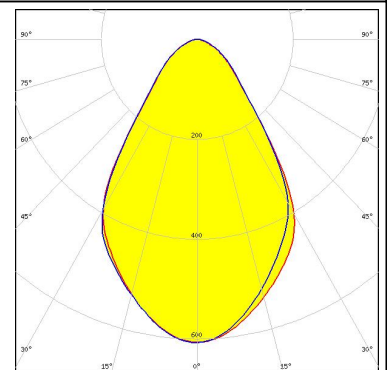
LUMILEDS

LED	LUXEON K12
FWHM	68.0°
Efficiency	83 %
Peak intensity	0.600 cd/lm

Required components:
C12924_LENA-STD-BASE-LUXEON-K
C12606_LENINA-DL
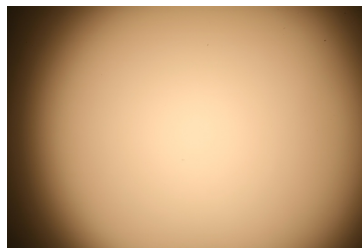
LUMILEDS

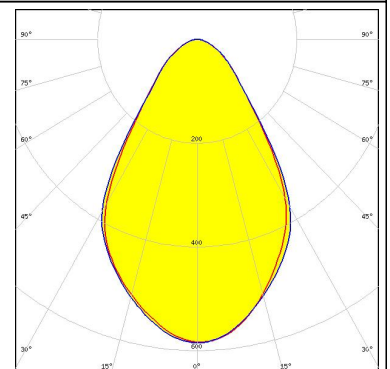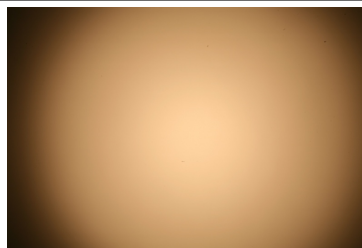|	
LED	LUXEON K16
FWHM	68.0°
Efficiency	80 %
Peak intensity	0.600 cd/lm

Required components:
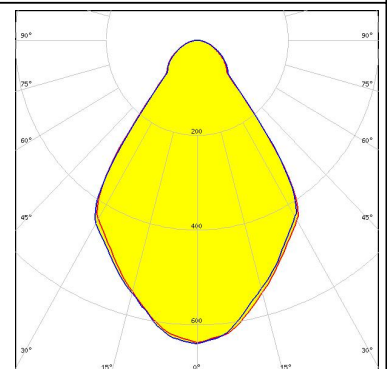C12924_LENA-STD-BASE-LUXEON-K
C12606_LENINA-DL

LUMILEDS

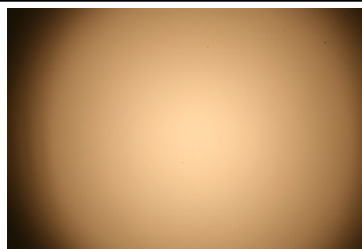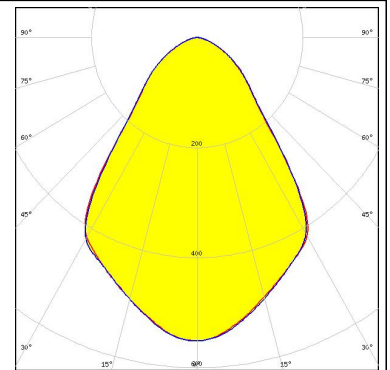|	
LED	LUXEON K16
FWHM	72.0°
Efficiency	86 %
Peak intensity	0.640 cd/lm

Required components:
C12924_LENA-STD-BASE-LUXEON-K
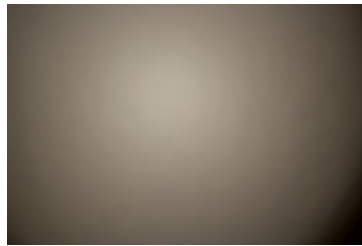
PHOTOMETRIC DATA (MEASURED):

LUMINUS
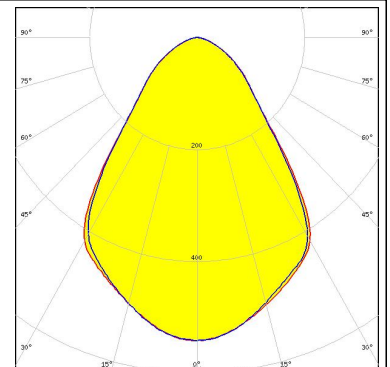
LED	CDM-14 (Dim-To-Warm)
FWHM	75.0°
Efficiency	89 %
Peak intensity	0.550 cd/lm

Required components:
  C13868_LENA-STD-BASE-VERO13-18
  C12606_LENINA-DL
  Bender Wirth: 491 Typ L2

LUMINUS
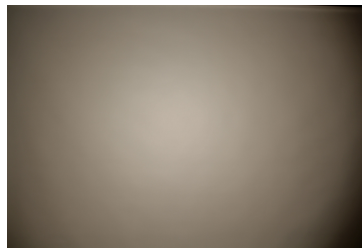
LED	CDM-14 (Dim-To-Warm)
FWHM	77.0°
Efficiency	93 %
Peak intensity	0.590 cd/lm

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

LUMINUS
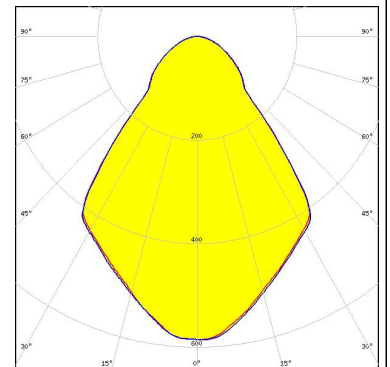
LED	CDM-18 (Dim-To-Warm)
FWHM	75.0°
Efficiency	89 %
Peak intensity	0.500 cd/lm

Required components:
  C13868_LENA-STD-BASE-VERO13-18
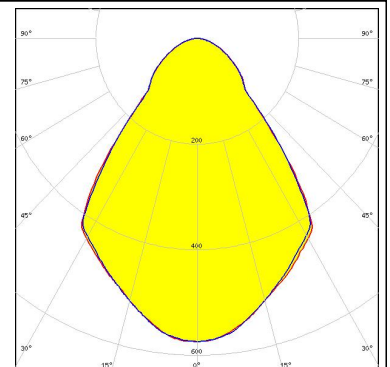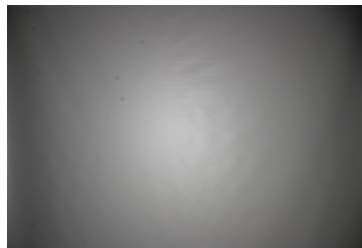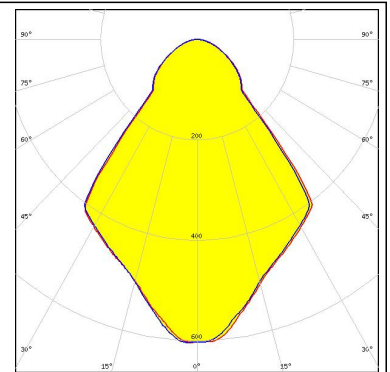 C12606_LENINA-DL
  Bender Wirth: 491 Typ L2

LUMINUS

LED	CDM-18 (Dim-To-Warm)
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.570 cd/lm

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

PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM	76.0°
Efficiency	92 %
Peak intensity	0.610 cd/lm

Required components:
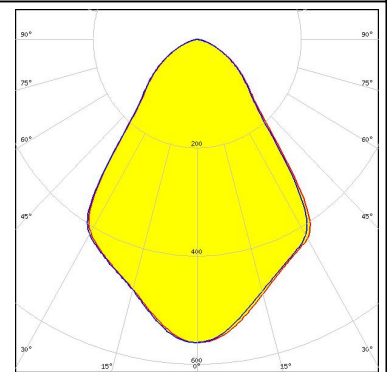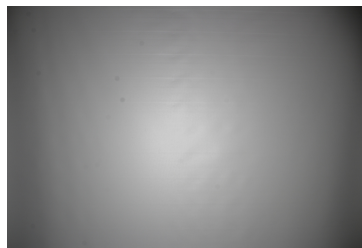C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 490 Typ L1


LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM	74.0°
Efficiency	88 %
Peak intensity	0.560 cd/lm

Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 490 Typ L1

LUMINUS

LED	CTM-14 (Tunable White)
FWHM	76.0°
Efficiency	87 %
Peak intensity	0.510 cd/lm

Required components:
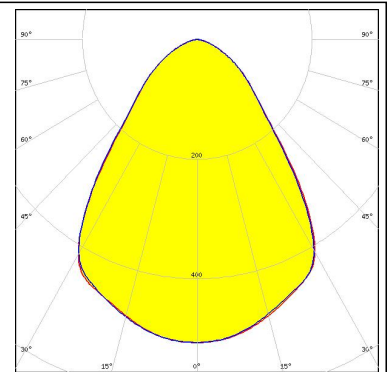C13867_LENA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 442 Typ L3

LUMINUS
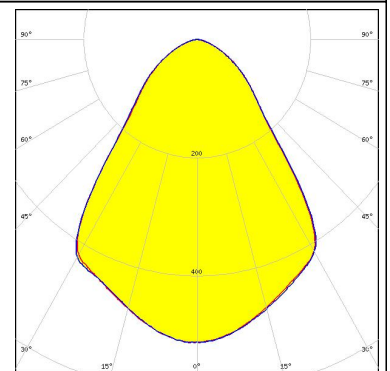
LED	CTM-14 (Tunable White)
FWHM	77.0°
Efficiency	92 %
Peak intensity	0.550 cd/lm

Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 442 Typ L3

PHOTOMETRIC DATA (MEASURED):

≡ LUMINUS
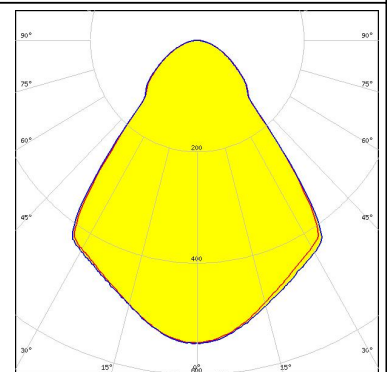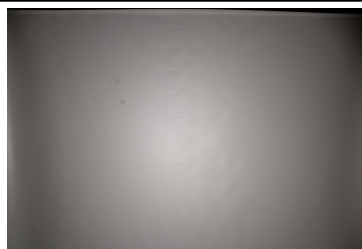
LED	CTM-22 (Tunable White)
FWHM	77.0°
Efficiency	88 %
Peak intensity	0.500 cd/lm

Required components:
- C13867_LENA-STD-BASE-VERO29
- C12606_LENINA-DL
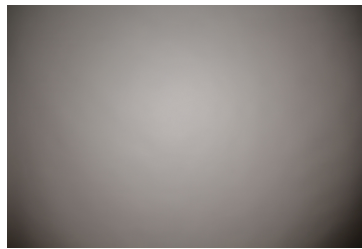- Bender Wirth: 494 Typ L3

≡ LUMINUS

LED	CTM-22 (Tunable White)
FWHM	78.0°
Efficiency	92 %
Peak intensity	0.500 cd/lm

Required components:
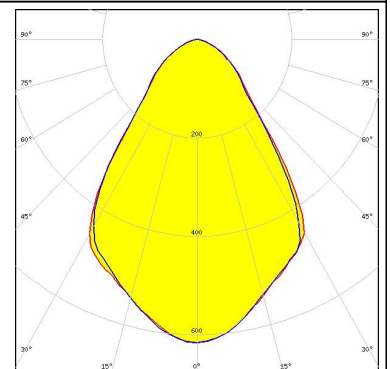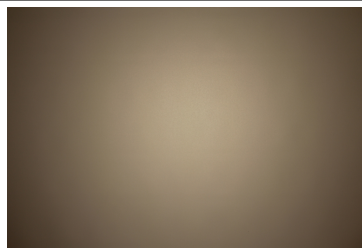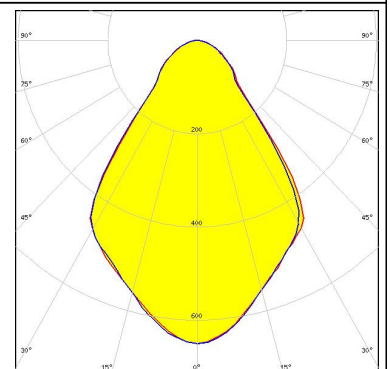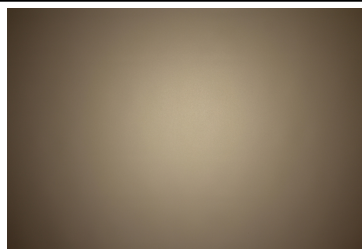- C13867_LENA-STD-BASE-VERO29
- Bender Wirth: 494 Typ L3

≡ LUMINUS
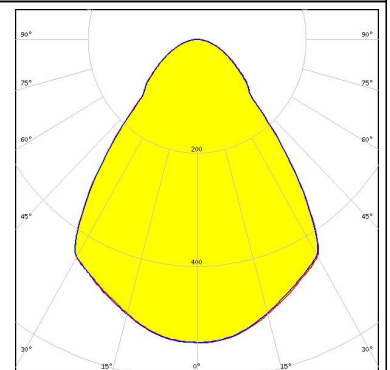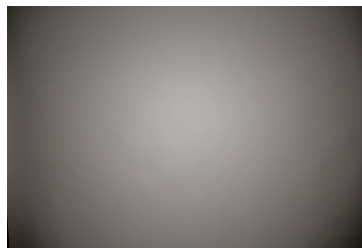
LED	CXM-14
FWHM	73.0°
Efficiency	91 %
Peak intensity	0.620 cd/lm

Required components:
- C12691_LENA-STD-BASE-CLL030
- C12606_LENINA-DL

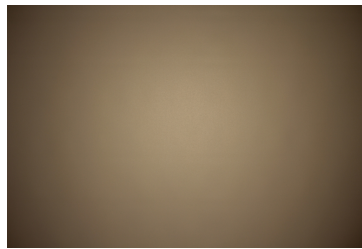
≡ LUMINUS

LED	CXM-14
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.650 cd/lm

Required components:
- C12691_LENA-STD-BASE-CLL030

PHOTOMETRIC DATA (MEASURED):

≋ LUMINUS

|	
LED	CXM-22
FWHM	73.0°
Efficiency	91 %
Peak intensity	0.600 cd/lm

Required components:
   C12692_LENA-STD-BASE-CLL040
   C12606_LENINA-DL

≋ LUMINUS

LED	CXM-22
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm

Required components:
   C12692_LENA-STD-BASE-CLL040

𝒩 NICHIA
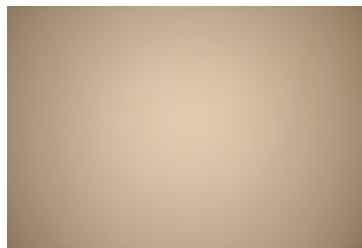
LED	COB J-Type
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.600 cd/lm

Required components:
   C13868_LENA-STD-BASE-VERO13-18
   C12606_LENINA-DL
   Bender Wirth: 463 Typ L2

𝒩 NICHIA
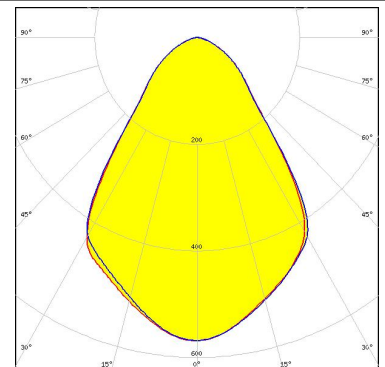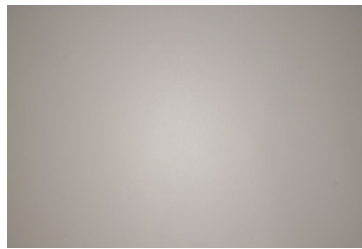
LED	COB J-Type
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.620 cd/lm

Required components:
   C12292_LENA-STD-BASE-MEZ

PHOTOMETRIC DATA (MEASURED):

NICHIA
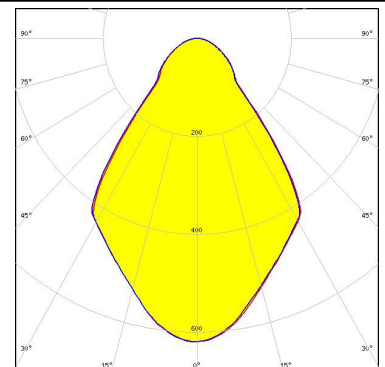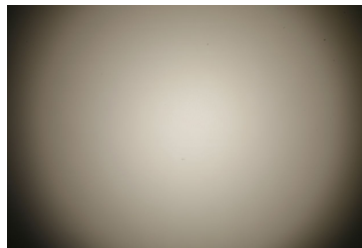
LED	COB J-Type
FWHM	76.0°
Efficiency	94 %
Peak intensity	0.610 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 463 Typ L2	

NICHIA
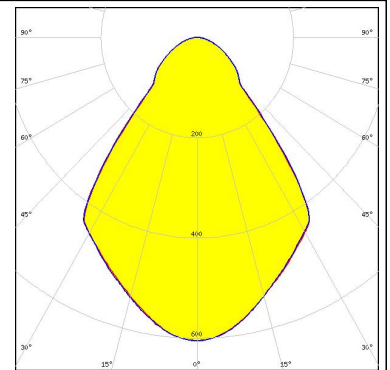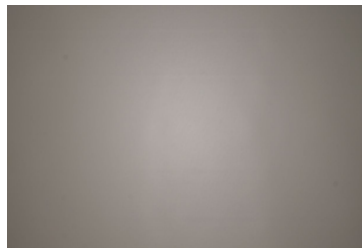
LED	COB J-Type
FWHM	72.0°
Efficiency	84 %
Peak intensity	0.580 cd/lm
Required components:	
C12292_LENA-STD-BASE-MEZ	
C12606_LENINA-DL	

NICHIA
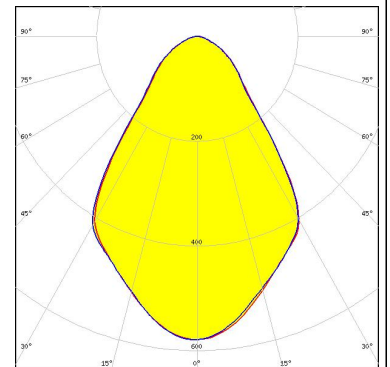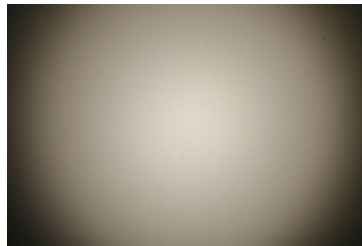
LED	COB L-Type (LES 11)
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.580 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C12606_LENINA-DL	
Bender Wirth: 438 Typ L1	

NICHIA
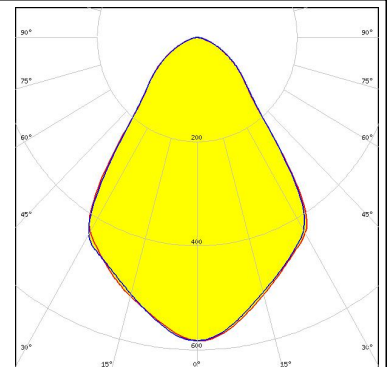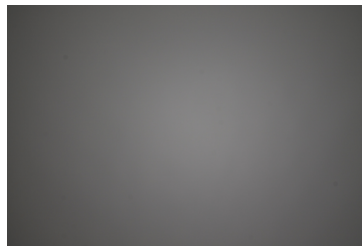
LED	COB L-Type (LES 11)
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.630 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 438 Typ L1	