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

LENA-X-WAS

White version with asymmetric beam for wall-washing

TECHNICAL SPECIFICATIONS:

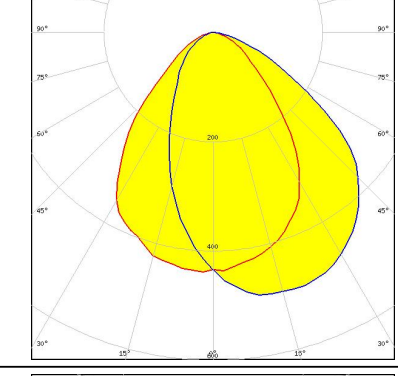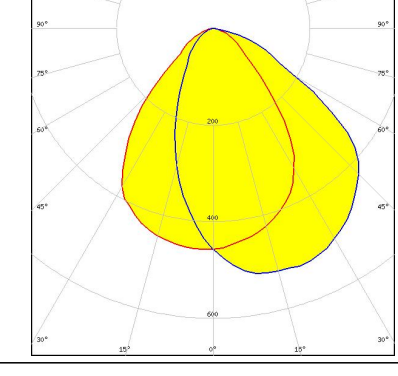|	
Dimensions	Ø 111.0 mm
Height	32.6 mm
Fastening	glue
Colour	white
Box size	480 x 280 x 300 mm
Box weight	3.2 kg
Quantity in Box	56 pcs
ROHS compliant	yes ⓘ
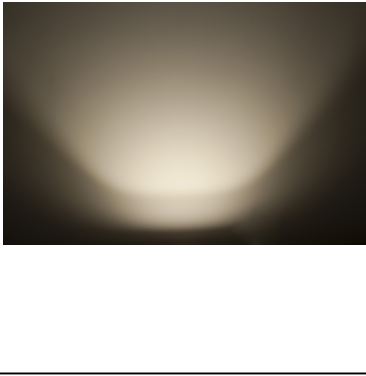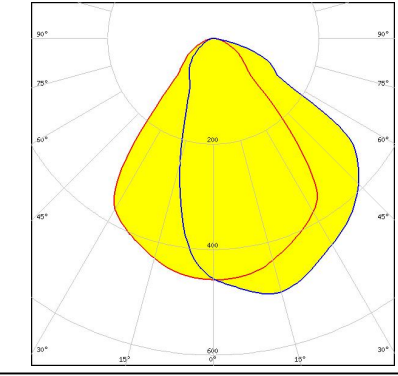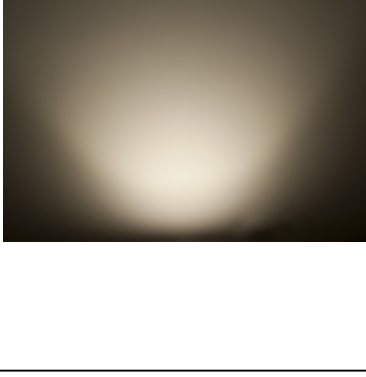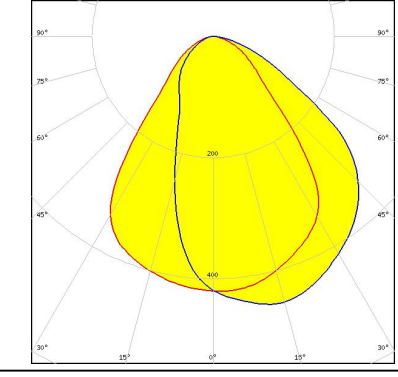
MATERIAL SPECIFICATIONS:
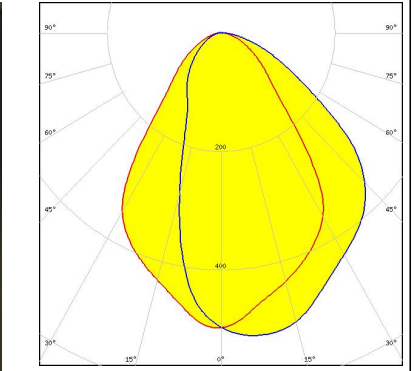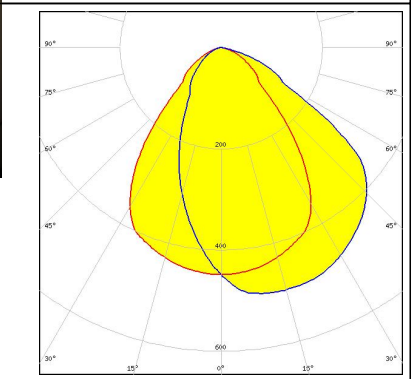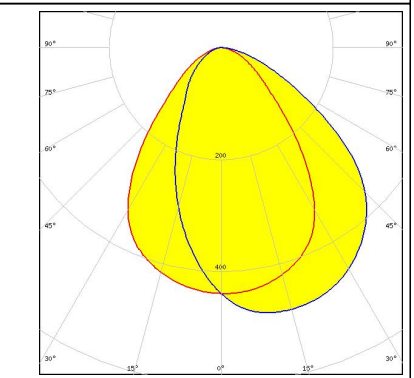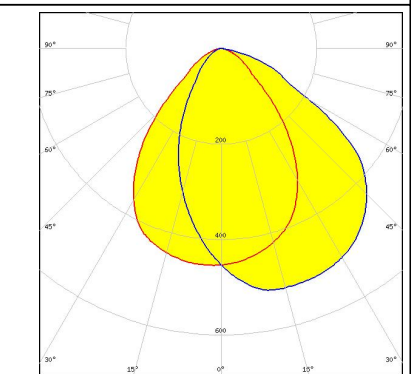
Component	Type	Material	Colour	Coating
LENA-X-WAS	Reflector	HRPC	white	

INDEX	PART NO	DESCRIPTION	MATERIAL
1	C13101	LENA-X-WAS	PC-URZ2500, white

Same geometry as C12948_LENA-WAS

REV	DATE	DESCRIPTION	DONE BY
004	14.09.2012	Wider openings for top lens hooks.	pl
005	31.10.2012	Inner surface VDI16 area changed to VDI33.	hh

Yellow area inside:
VDI33 with
texture polishing

Isometric view
Scale: 4:3

Detail C
Scale 4:1
1.6   5.2

Detail D
Scale 4:1
0.8   3.2   6   10°

Detail E
Scale 4:1
3.2

Section view A-A
Ø111
(Ø107.9)
(Ø95.8)
2.6
32.6

Ø99.3
120°
E
35.63
Ø58.2
120°

Tolerances if not otherwise shown:
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.

According to DIN ISO 2768-2
Form and position:
class K

Control for SPC marked dimensions.

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It can't be reproduced
or communicated without
our written agreement.

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE   Part Drawing
C13101_LENA-X-WAS

DRAWN BY	DATE			
as	12.9.2012			
CHECKED BY	DATE	SIZE	PART NUMBER	REV
PL	.	A2	C13101	005
DESIGNED BY	DATE	SCALE 1:1	WEIGHT 47,18 g	SHEET 1/1
hh	.			

PHOTOMETRIC DATA (MEASURED):

bridgelux	
LED	BXRA ES Rectangle
FWHM	Asymmetric
Efficiency	81 %
Peak intensity	0.500 cd/lm
Required components:	
C12153_LENA-STD-BASE-BXRA	

bridgelux	
LED	BXRA ES Rectangle
FWHM	Asymmetric
Efficiency	77 %
Peak intensity	0.460 cd/lm
Required components:	
C12153_LENA-STD-BASE-BXRA	
C11996_LENA-LENS	

bridgelux	
LED	BXRA RS
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.500 cd/lm
Required components:	
C12229_LENA-STD-BASE-RS	
C11996_LENA-LENS	

bridgelux	
LED	BXRA RS
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.500 cd/lm
Required components:	
C12229_LENA-STD-BASE-RS	

PHOTOMETRIC DATA (MEASURED):

bridgelux	
LED	V10 Gen6
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.520 cd/lm
Required components:	
C13186_LENA-STD-BASE-CXA15	
C11996_LENA-LENS	

bridgelux	
LED	V22 Gen7
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.500 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
C14169_LENA-CLEAR-LENS	
Bender Wirth: 431 Typ L3	

bridgelux	
LED	V22 Gen7
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.500 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
C11996_LENA-LENS	
Bender Wirth: 431 Typ L3	

bridgelux	
LED	Vero SE 29
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.500 cd/lm
Required components:	
C15083_LENA-STD-BASE-VERO29	

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	VERO13
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.550 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

bridgelux

LED	VERO18
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.550 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

bridgelux

LED	VERO29
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.480 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS

bridgelux

LED	VERO29
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.510 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29

PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CL-L340
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.500 cd/lm
Required components:	
C11995_LENA-STD-BASE-CL340	
C11996_LENA-LENS	
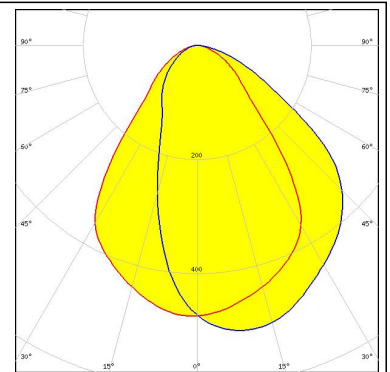
CITIZEN

LED	CL-L340
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	1.170 cd/lm
Required components:	
C11995_LENA-STD-BASE-CL340	
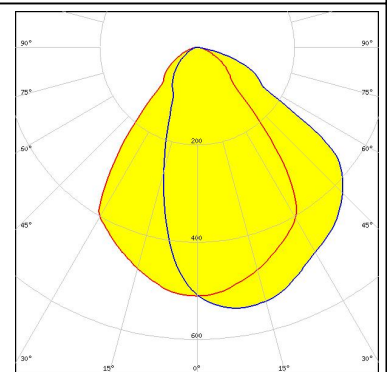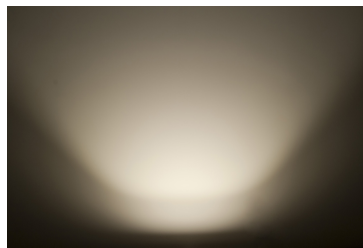
CITIZEN

LED	CLL03x/CLU03x
FWHM	Asymmetric
Efficiency	81 %
Peak intensity	1.160 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	

CITIZEN

LED	CLL03x/CLU03x
FWHM	Asymmetric
Efficiency	80 %
Peak intensity	0.500 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	
C11996_LENA-LENS	
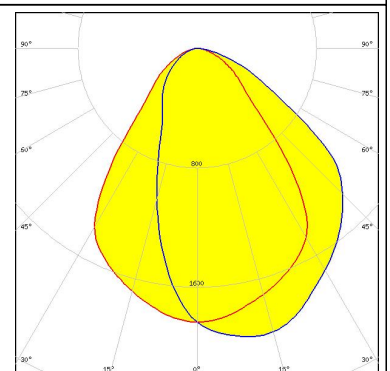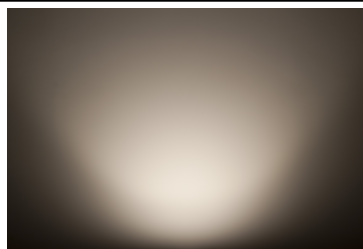
PHOTOMETRIC DATA (MEASURED):
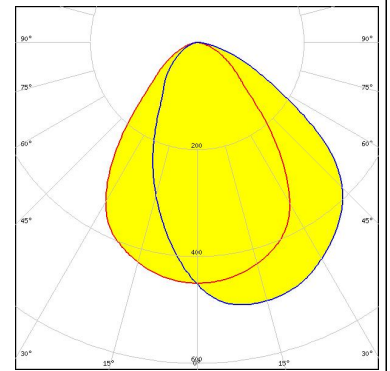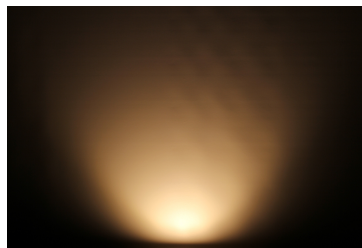
CITIZEN

LED	CLL03x/CLU03x
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm

Required components:

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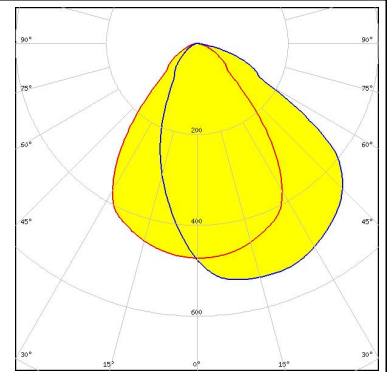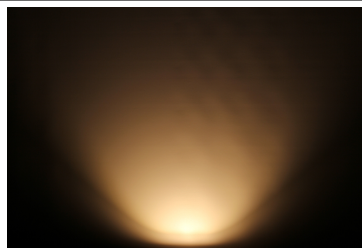
Bender Wirth: 433 Typ L1

CITIZEN

LED	CLL04x/CLU04x
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	0.500 cd/lm

Required components:

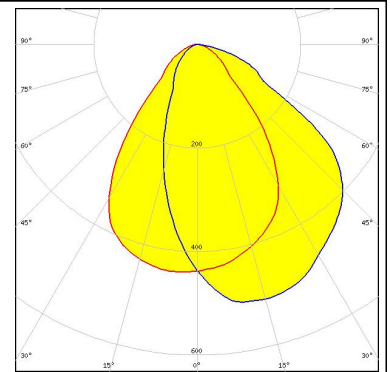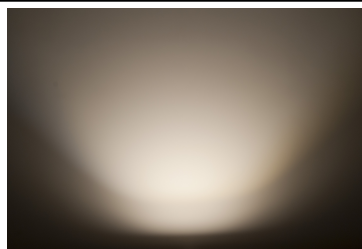C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS

Bender Wirth: 431 Typ L3

CITIZEN

LED	CLL04x/CLU04x
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.530 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 431 Typ L3

CITIZEN

LED	CLL04x/CLU04x
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.950 cd/lm

Required components:

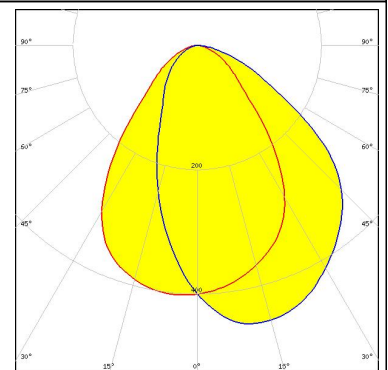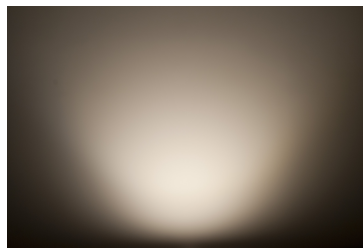C12692_LENA-STD-BASE-CLL040

PHOTOMETRIC DATA (MEASURED):

CITIZEN

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

Required components:
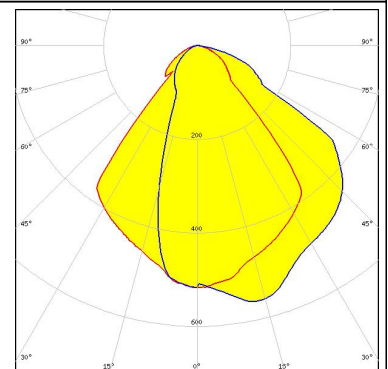
C11996_LENA-LENS

IDEAL: 50-2204CT + 50-2100LN
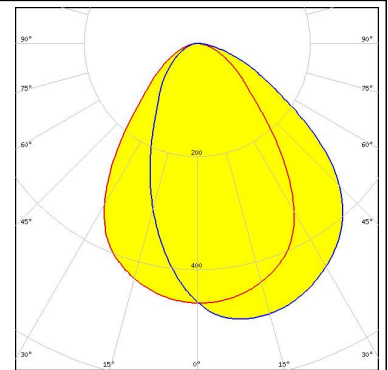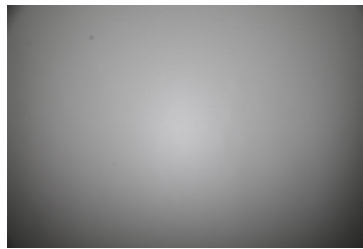
CITIZEN

LED	CLL04x/CLU04x
FWHM	Asymmetric
Efficiency	74 %
Peak intensity	0.500 cd/lm

Required components:
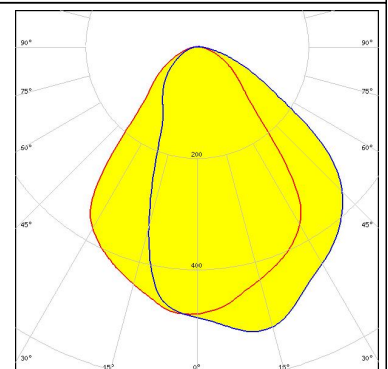
C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS

CITIZEN

LED	CLU710/711
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.560 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030

CITIZEN

LED	CLU710/711
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.500 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS

PHOTOMETRIC DATA (MEASURED):

CITIZEN

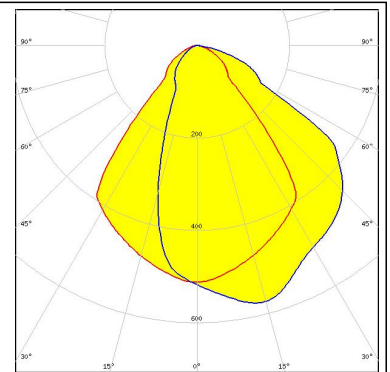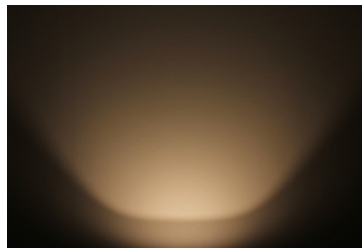|	
LED	CLU720/721
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm
Required components:	

C13868_LENA-STD-BASE-VERO13-18

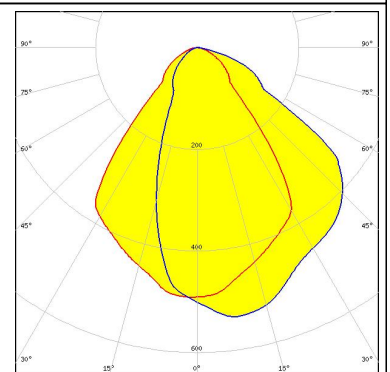Bender Wirth: 433 Typ L1

CITIZEN

LED	CLU730/731
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.540 cd/lm
Required components:	

C12692_LENA-STD-BASE-CLL040

CREE

LED	CMA1840
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.600 cd/lm
Required components:	
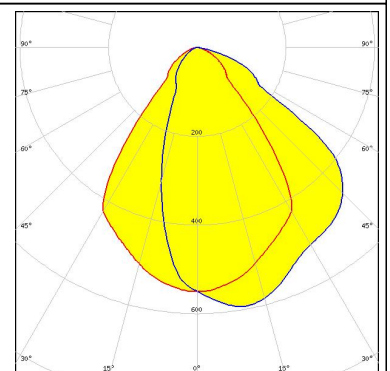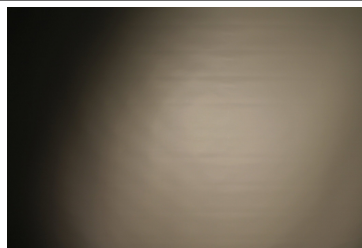
C14146_LENA-STD-BASE-CXA18

CREE

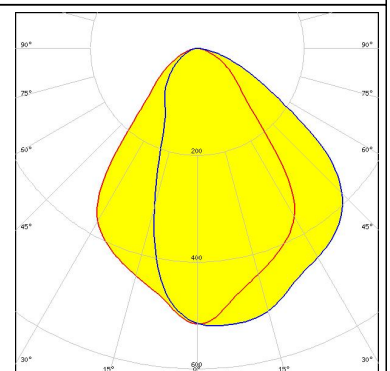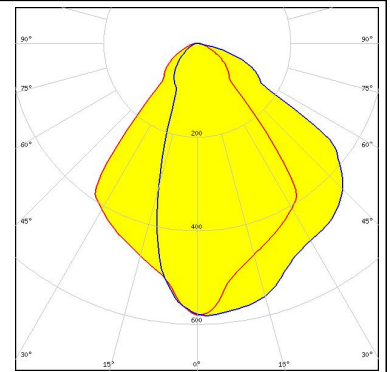|	
LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.520 cd/lm
Required components:	

C13186_LENA-STD-BASE-CXA15

C11996_LENA-LENS

PHOTOMETRIC DATA (MEASURED):
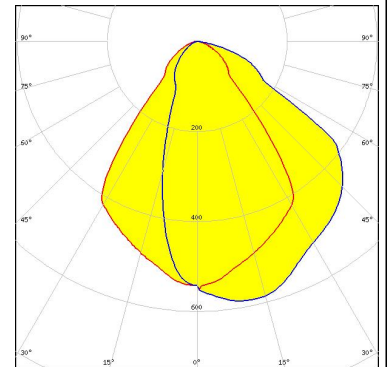
CREE

LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	0.580 cd/lm
Required components:	
C13186_LENA-STD-BASE-CXA15	

CREE

LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 441 Typ L1	

CREE
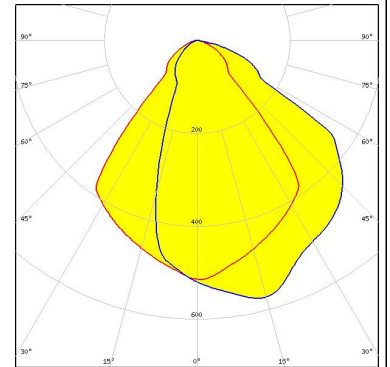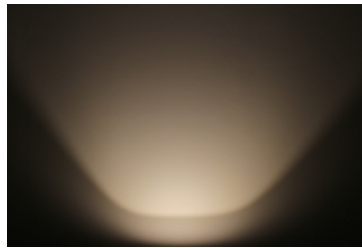
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.590 cd/lm
Required components:	
C14146_LENA-STD-BASE-CXA18	

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.570 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 437 Typ L1	

PHOTOMETRIC DATA (MEASURED):

CREE⇕
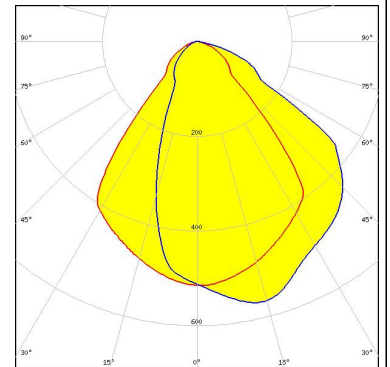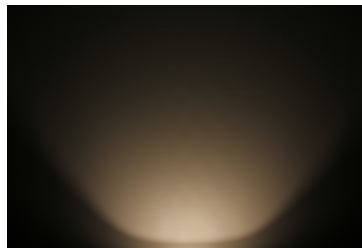
LED	CXA/B 25xx
FWHM	Asymmetric
Efficiency	73 %
Peak intensity	0.900 cd/lm

Required components:

   C13324_LENA-STD-BASE-CXA25

   C11996_LENA-LENS

CREE⇕
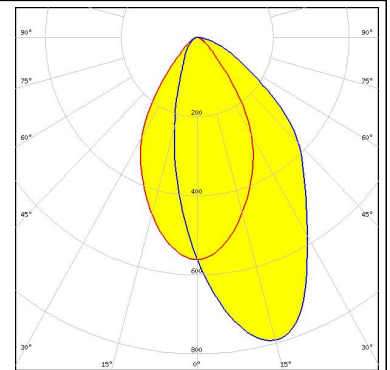
LED	CXA/B 25xx
FWHM	Asymmetric
Efficiency	78 %
Peak intensity	0.500 cd/lm

Required components:

   C13324_LENA-STD-BASE-CXA25

   C11996_LENA-LENS

CREE⇕

LED	CXA/B 25xx
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.600 cd/lm

Required components:

   C13324_LENA-STD-BASE-CXA25

CREE⇕

LED	CXA2011
FWHM	Asymmetric
Efficiency	80 %
Peak intensity	0.500 cd/lm

Required components:

   C12105_LENA-STD-BASE-CXA20

   C11996_LENA-LENS

PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA2011
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.500 cd/lm

Required components:

C12105_LENA-STD-BASE-CXA20

LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.600 cd/lm

Required components:

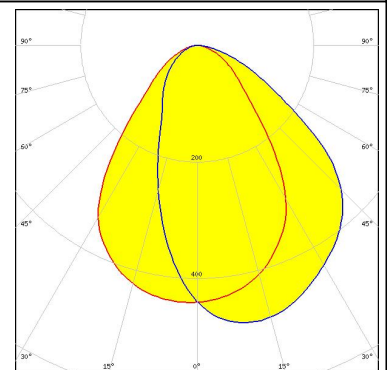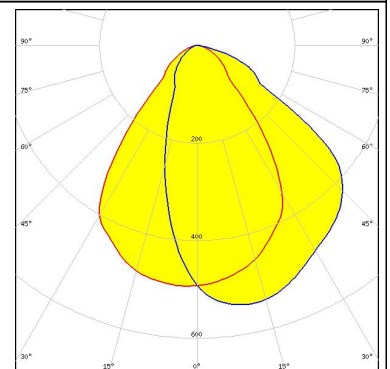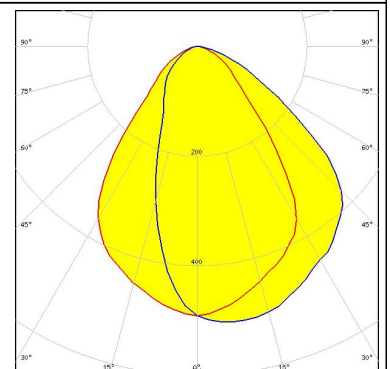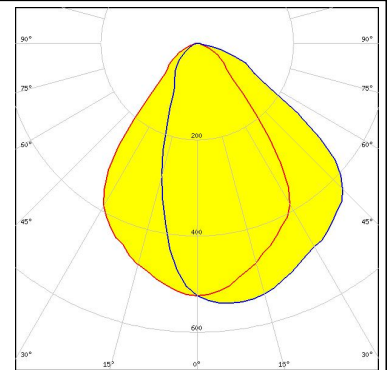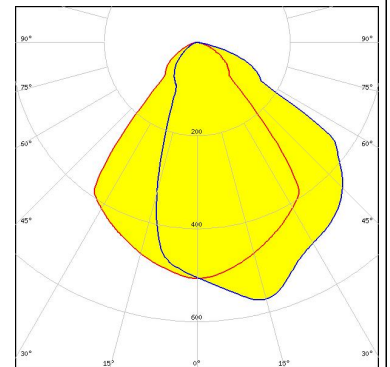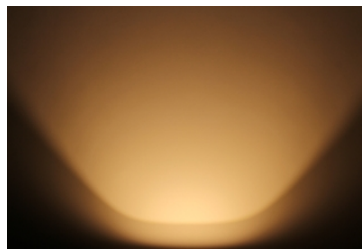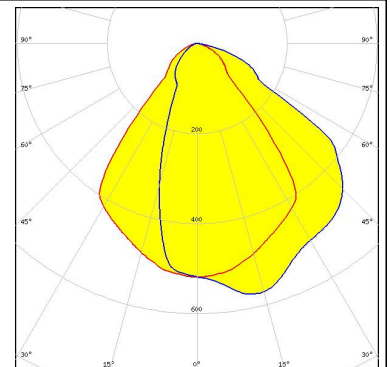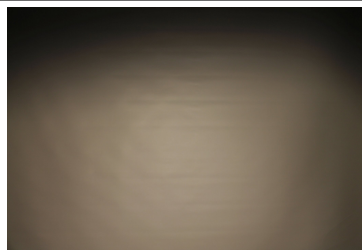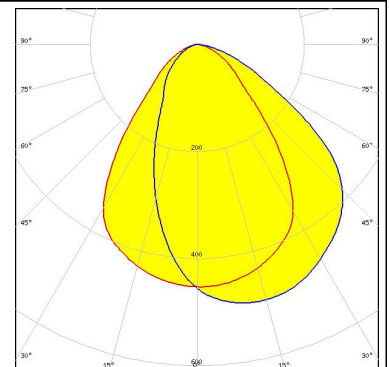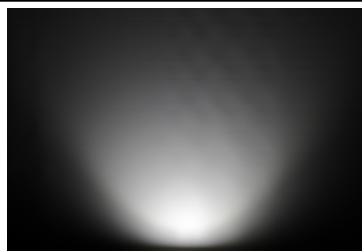C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1

LUMILEDS

LED	LUXEON CoB 1205HD
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm

Required components:

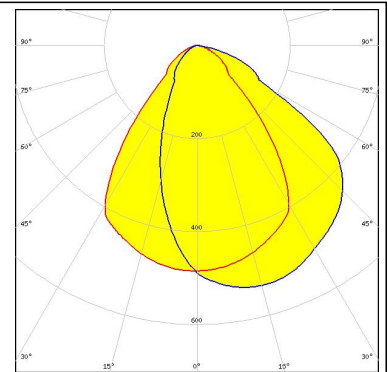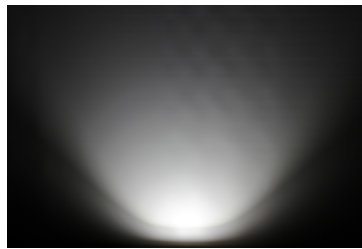C11981_LENA-STD-BASE-COB-L110

LUMILEDS

LED	LUXEON CoB 1211
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	0.490 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS

Bender Wirth: 431 Typ L3
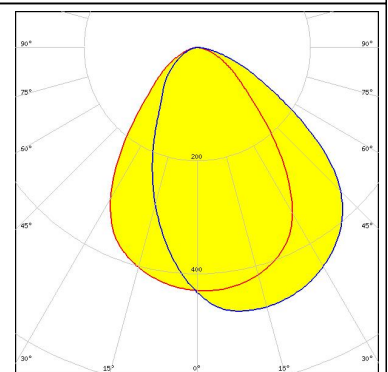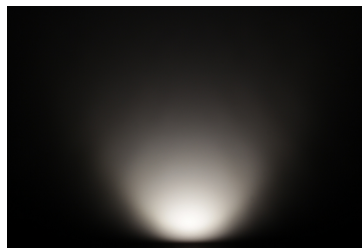
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1211
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.530 cd/lm

Required components:

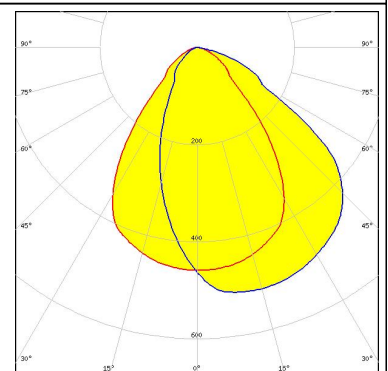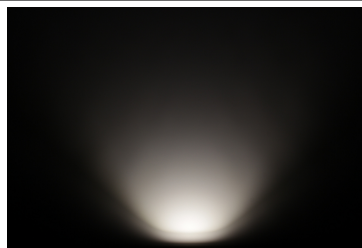   C13867_LENA-STD-BASE-VERO29

   Bender Wirth: 431 Typ L3

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	Asymmetric
Efficiency	81 %
Peak intensity	0.480 cd/lm

Required components:

   C11996_LENA-LENS

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

LUMILEDS
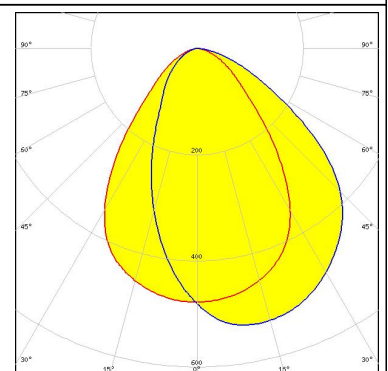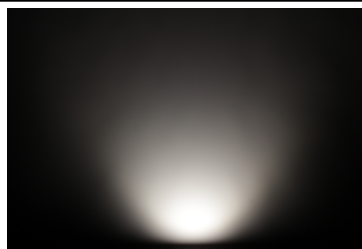
LED	LUXEON CoB 1216/1812
FWHM	75.0°
Efficiency	85 %
Peak intensity	0.510 cd/lm

Required components:

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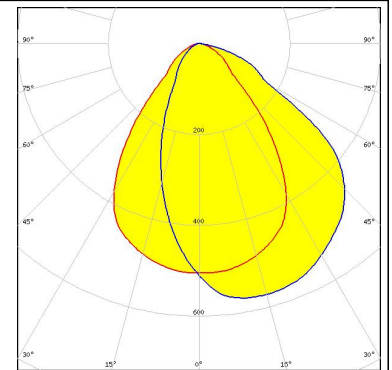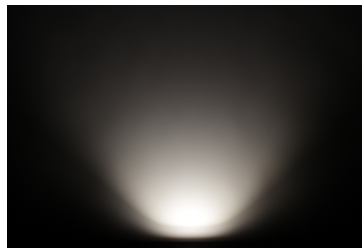

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.530 cd/lm

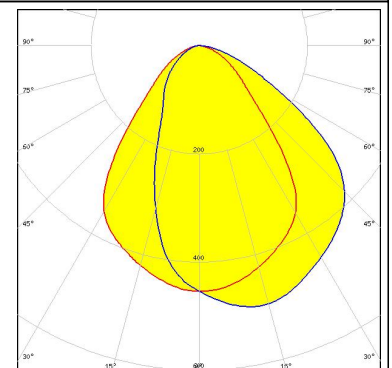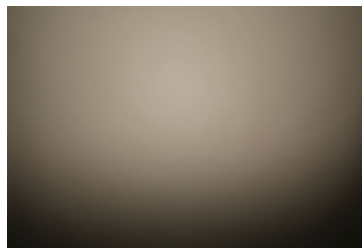Required components:

   C12692_LENA-STD-BASE-CLL040

   C11996_LENA-LENS
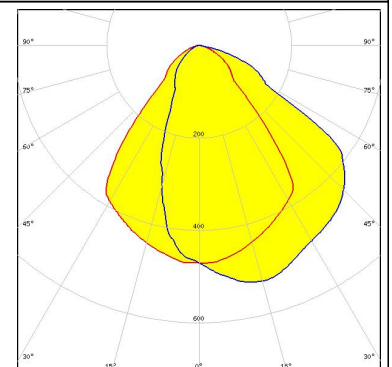
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	Asymmetric
Efficiency	92 %
Peak intensity	0.570 cd/lm
Required components:	
C12692_LENA-STD-BASE-CLL040	

LUMINUS

LED	CDM-14 (Dim-To-Warm)
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.500 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 491 Typ L2	

LUMINUS

LED	CDM-14 (Dim-To-Warm)
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.500 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 491 Typ L2	

LUMINUS

LED	CDM-18 (Dim-To-Warm)
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.490 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 491 Typ L2	

PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CDM-18 (Dim-To-Warm)
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.500 cd/lm
Required components:	

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

LUMINUS
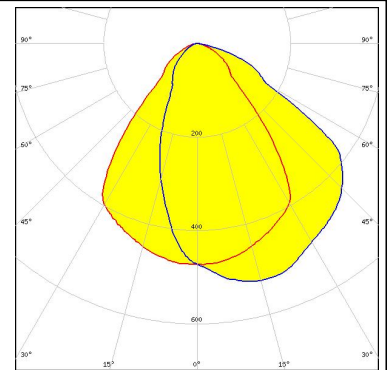
LED	CDM-9 (Dim-To-Warm)
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	0.490 cd/lm
Required components:	

C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 490 Typ L1

LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.530 cd/lm
Required components:	

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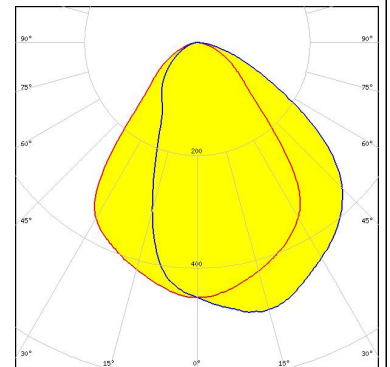Bender Wirth: 490 Typ L1

LUMINUS
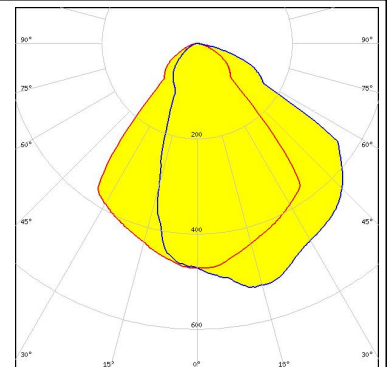
LED	CTM-14 (Tunable White)
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.480 cd/lm
Required components:	

C13867_LENA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 442 Typ L3
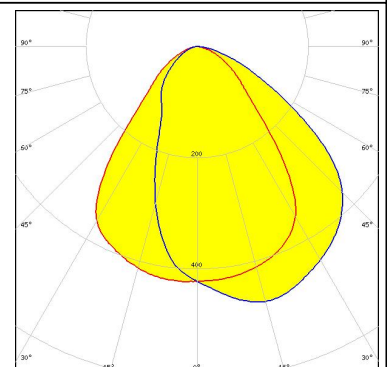
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CTM-14 (Tunable White)
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	0.510 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 442 Typ L3

LUMINUS

LED	CTM-22 (Tunable White)
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.460 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29
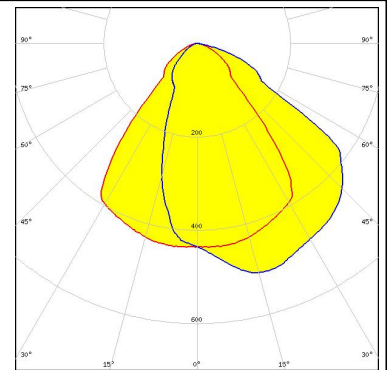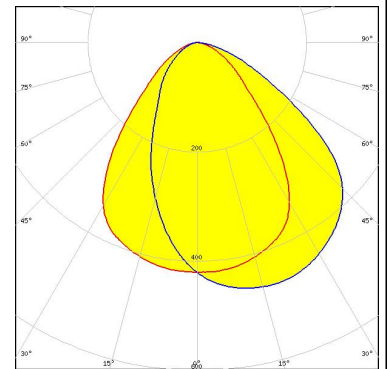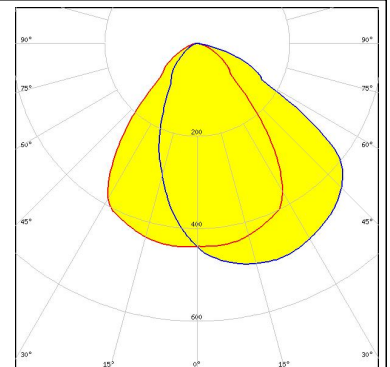
C11996_LENA-LENS

Bender Wirth: 494 Typ L3

LUMINUS

LED	CTM-22 (Tunable White)
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.500 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 494 Typ L3
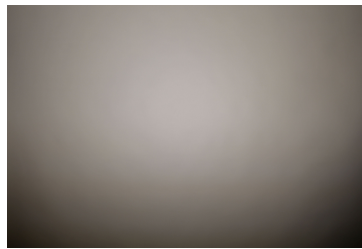
LUMINUS

LED	CXM-14
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	0.550 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030

PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CXM-14
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.500 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS

LUMINUS

LED	CXM-22
FWHM	Asymmetric
Efficiency	79 %
Peak intensity	0.500 cd/lm

Required components:

C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS

LUMINUS

LED	CXM-22
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.500 cd/lm

Required components:

C12692_LENA-STD-BASE-CLL040

NICHIA
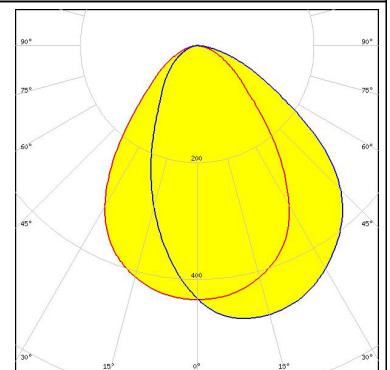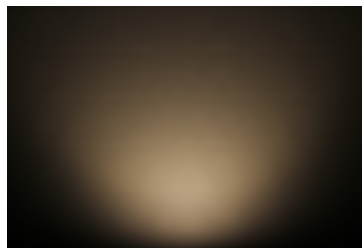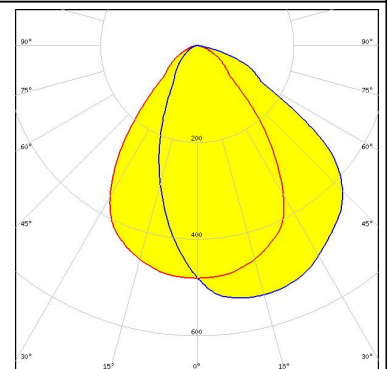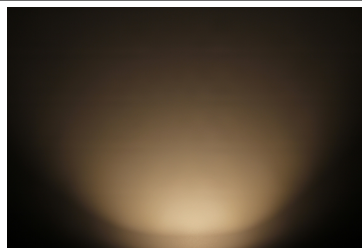
LED	COB J-Type
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.600 cd/lm

Required components:

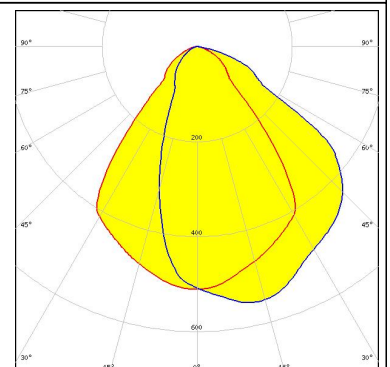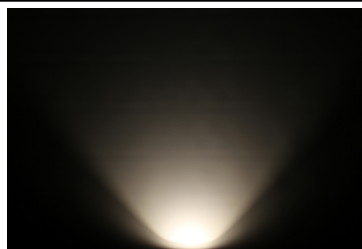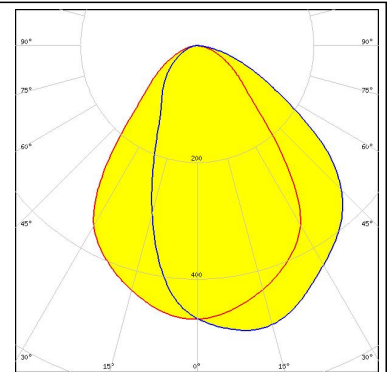C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 463 Typ L2

PHOTOMETRIC DATA (MEASURED):

NICHIA
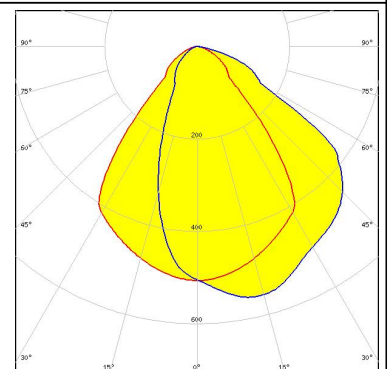
LED	COB L-Type (LES 11)
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1

NICHIA
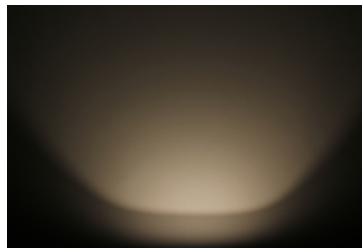
LED	COB L-Type (LES 9)
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.560 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1

OSRAM
Opto Semiconductors
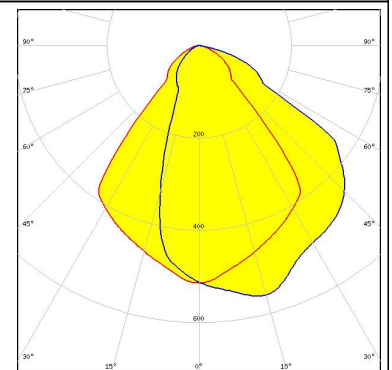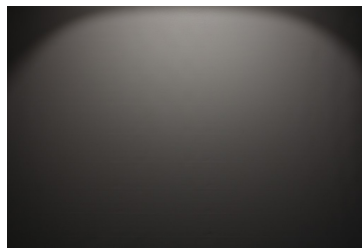
LED	Soleriq S13
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.570 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 437 Typ L1

OSRAM
Opto Semiconductors

LED	Soleriq S19
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	0.500 cd/lm

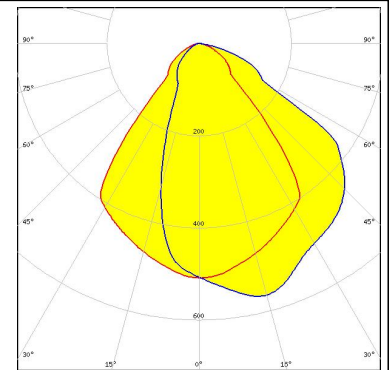Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS

Bender Wirth: 462 Typ L3
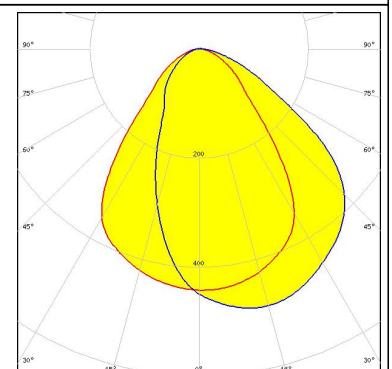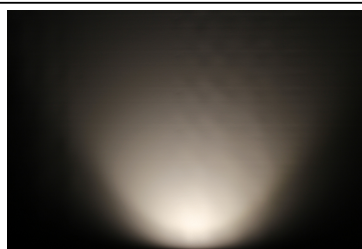
PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED	Soleriq S19
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.500 cd/lm

Required components:
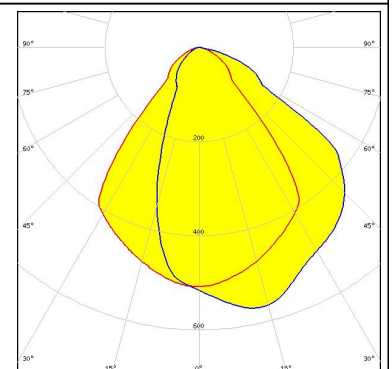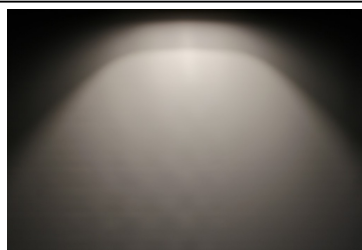
C13867_LENA-STD-BASE-VERO29

Bender Wirth: 462 Typ L3
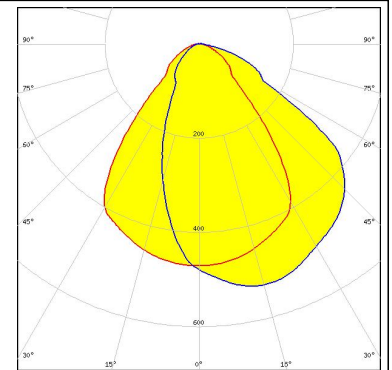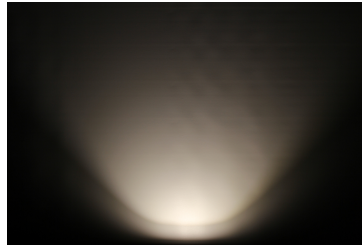
SAMSUNG

LED	COB D Series LES 14.5 mm
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030
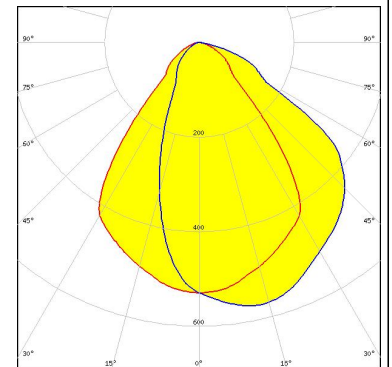
SAMSUNG

LED	COB D Series LES 14.5 mm
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.520 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS
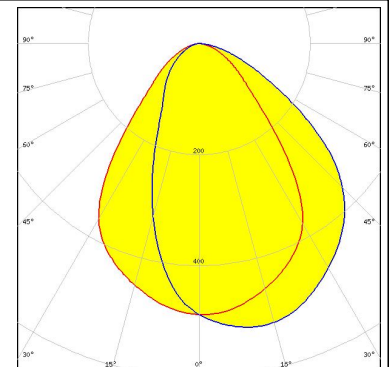
SAMSUNG

LED	COB D Series LES 22 mm
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.560 cd/lm

Required components:

C12692_LENA-STD-BASE-CLL040
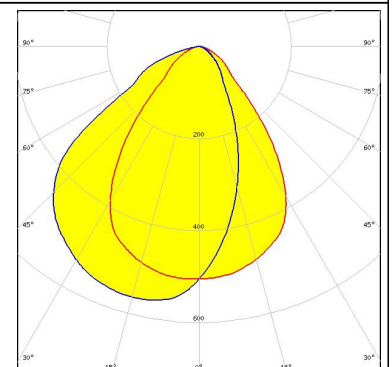
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	COB D Series LES 22 mm
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.510 cd/lm

Required components:

C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS
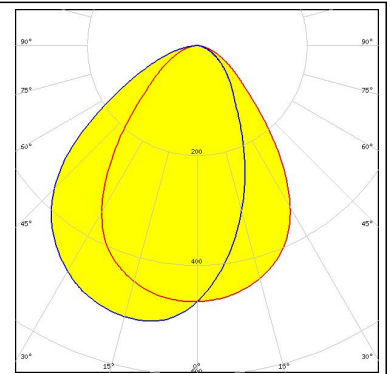
SHARP

LED	Mega Zenigata (GW6DME)
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.540 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ
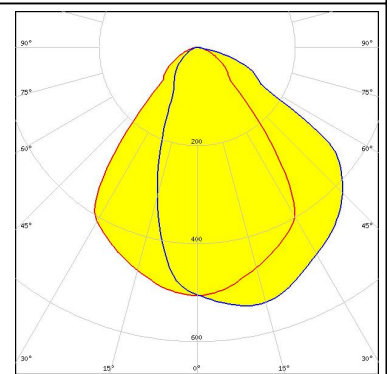
SHARP

LED	Mega Zenigata (GW6DME)
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.490 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS
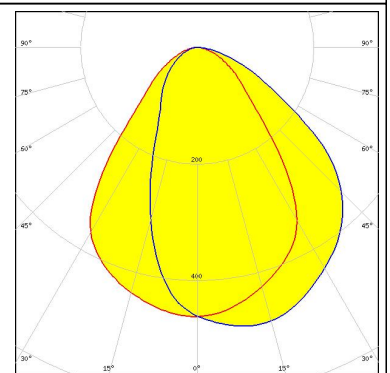
PHOTOMETRIC DATA (SIMULATED):

bridgelux	
LED	V10 Gen7
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	0.670 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 434 Typ L1	

bridgelux	
LED	V13 Gen7
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.680 cd/lm
Required components:	
IDEAL: 50-2103CT + 50-2100LN	

bridgelux	
LED	V13 Gen7
FWHM	Asymmetric
Efficiency	84 %
Peak intensity	0.650 cd/lm
Required components:	
C11996_LENA-LENS	
IDEAL: 50-2103CT + 50-2100LN	

bridgelux	
LED	V13 Gen7
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	1.300 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 477 Typ L1	

PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V22 Gen7
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	1.064 cd/lm
Required components:	

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS

Bender Wirth: 431 Typ L3

CREE
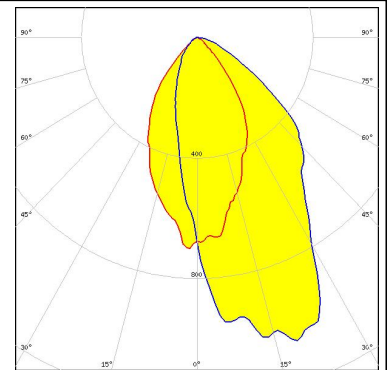
LED	CXA/B 30xx
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.680 cd/lm
Required components:	

IDEAL: 50-2234C + 50-2100LN

CREE
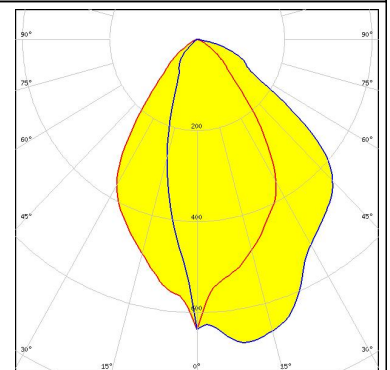
LED	CXA/B 30xx
FWHM	Asymmetric
Efficiency	78 %
Peak intensity	cd/lm
Required components:	

C11996_LENA-LENS

IDEAL: 50-2234C + 50-2100LN
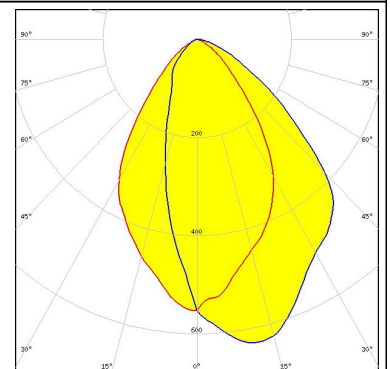
LUMILEDS

LED	LUXEON CoB 1204/1205
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.800 cd/lm
Required components:	

C12292_LENA-STD-BASE-MEZ
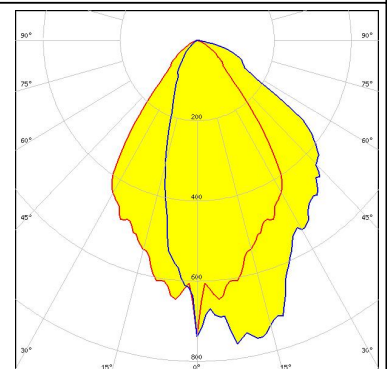
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON CoB 1204/1205
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.600 cd/lm
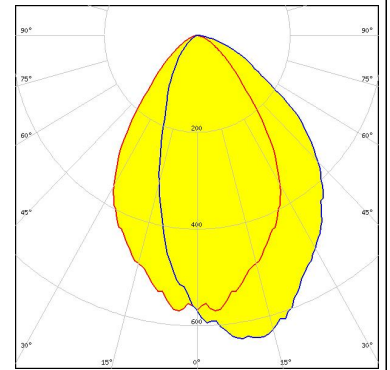
Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS

LUMILEDS

LED	LUXEON CoB 1208
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.600 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS

LUMILEDS

LED	LUXEON CoB 1208
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.800 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ
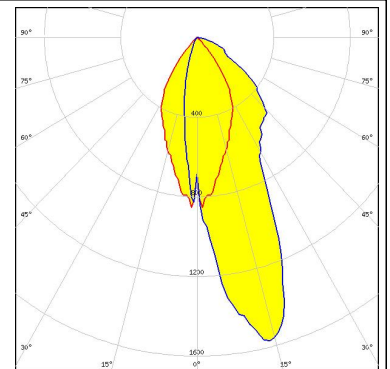
LUMILEDS

LED	LUXEON K12
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm

Required components:

C12924_LENA-STD-BASE-LUXEON-K
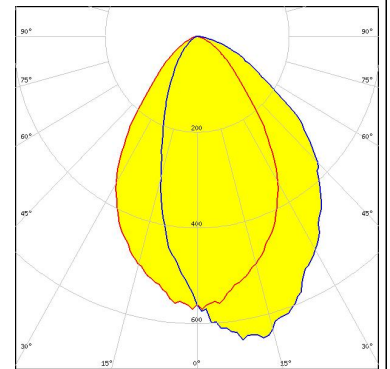
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON K12
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm

Required components:

C12924_LENA-STD-BASE-LUXEON-K

C11996_LENA-LENS

LUMILEDS

LED	LUXEON K16
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm

Required components:

C12924_LENA-STD-BASE-LUXEON-K

C11996_LENA-LENS

LUMILEDS

LED	LUXEON K16
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm

Required components:

C12924_LENA-STD-BASE-LUXEON-K

LUMINUS

LED	CXM-14
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1

PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED	Soleriq S15
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.600 cd/lm

Required components:

C12691_LENA-STD-BASE-CLL030
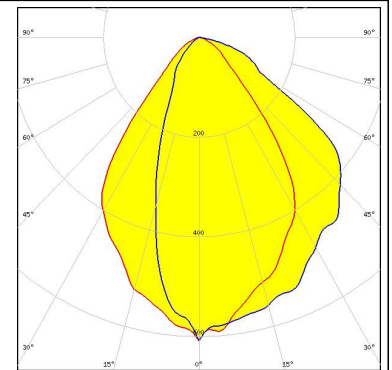
SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.570 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1

SHARP

LED	Mega Zenigata (GW5DGC)
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS

SHARP

LED	Mega Zenigata (GW5DGC)
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ