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-S

~11° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 111.0 mm
Height	80 mm
Fastening	socket
Colour	metal
Box size	400 x 280 x 380 mm
Box weight	3.8 kg
Quantity in Box	60 pcs
ROHS compliant	yes ⓘ
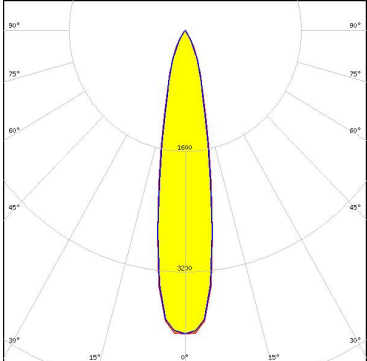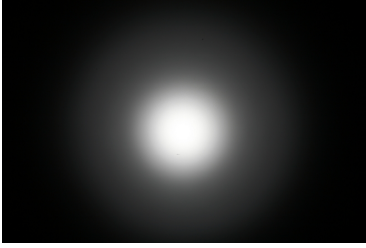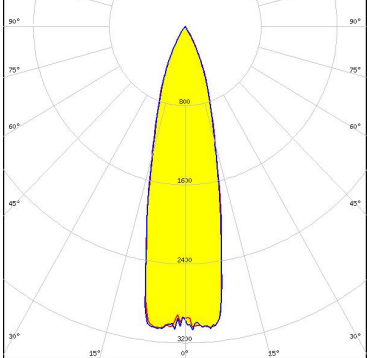
MATERIAL SPECIFICATIONS:
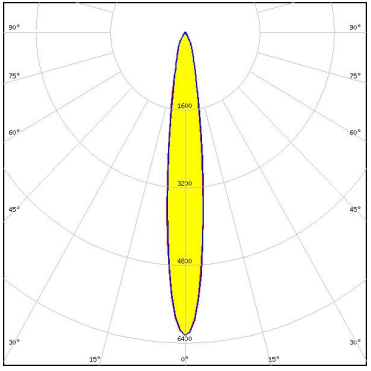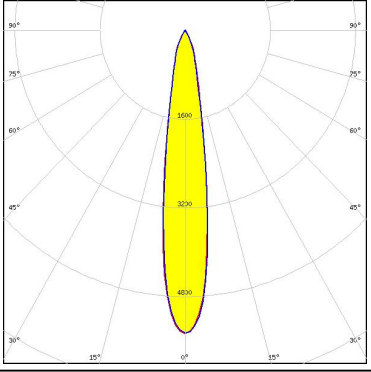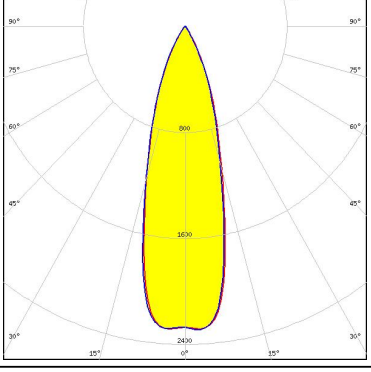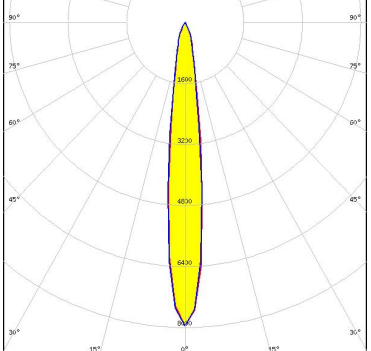
Component	Type	Material	Colour	Coating
LENA-S	Reflector	PC	metal	lacquer

This drawing applies to:
C11979_LENA-S
C12154_LENA-M
C11980_LENA-W
C13117_LENA-SS

8.3

80

58.2

Ø111

Isometric view

INDEX	DESCRIPTION	MATERIAL
1	Lena-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 Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
LENA reflector family

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

PHOTOMETRIC DATA (MEASURED):

bridgelux	
LED	BXRA ES Rectangle
FWHM	11.0°
Efficiency	78 %
Peak intensity	cd/lm
Required components:	
C12153_LENA-STD-BASE-BXRA	
C11996_LENA-LENS	

bridgelux	
LED	BXRA RS
FWHM	20.0°
Efficiency	80 %
Peak intensity	cd/lm
Required components:	
C12229_LENA-STD-BASE-RS	
C11996_LENA-LENS	

bridgelux	
LED	V10 Gen6
FWHM	9.0°
Efficiency	76 %
Peak intensity	12.110 cd/lm
Required components:	
C13186_LENA-STD-BASE-CXA15	
C11996_LENA-LENS	

bridgelux	
LED	Vero SE 29
FWHM	27.0°
Efficiency	87 %
Peak intensity	3.100 cd/lm
Required components:	
C15083_LENA-STD-BASE-VERO29	

PHOTOMETRIC DATA (MEASURED):

bridgelux		
LED	VERO13	
FWHM	14.0°	
Efficiency	83 %	
Peak intensity	6.250 cd/lm	
Required components:		
C13868_LENA-STD-BASE-VERO13-18		
C11996_LENA-LENS		

bridgelux		
LED	VERO18	
FWHM	17.0°	
Efficiency	83 %	
Peak intensity	5.500 cd/lm	
Required components:		
C13868_LENA-STD-BASE-VERO13-18		
C11996_LENA-LENS		

bridgelux		
LED	VERO29	
FWHM	30.0°	
Efficiency	80 %	
Peak intensity	2.300 cd/lm	
Required components:		
C13867_LENA-STD-BASE-VERO29		

CITIZEN		
LED	CL-L340	
FWHM	14.0°	
Efficiency	79 %	
Peak intensity	8.000 cd/lm	
Required components:		
C11995_LENA-STD-BASE-CL340		
C11996_LENA-LENS		

PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CL-L340
FWHM	11.0°
Efficiency	84 %
Peak intensity	10.100 cd/lm

Required components:

C11995_LENA-STD-BASE-CL340

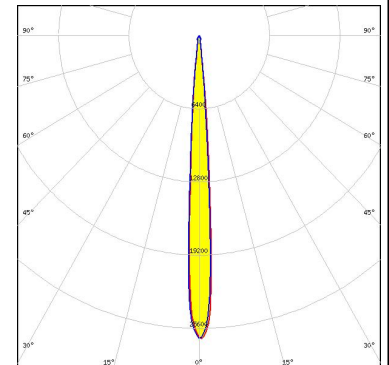### CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	10.0°
Efficiency	80 %
Peak intensity	11.500 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18
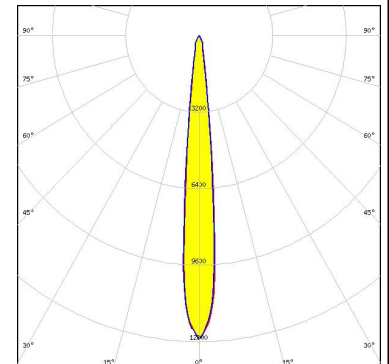
C11996_LENA-LENS

Bender Wirth: 434 Typ L1
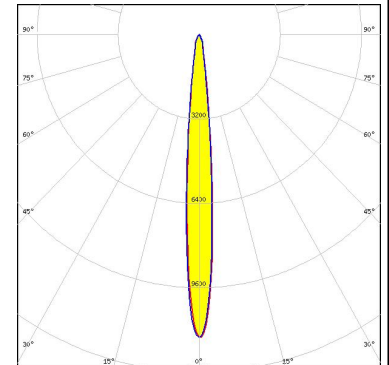
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	8.0°
Efficiency	85 %
Peak intensity	26.500 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 434 Typ L1

CITIZEN

LED	CLL03x/CLU03x
FWHM	11.0°
Efficiency	85 %
Peak intensity	13.000 cd/lm

Required components:

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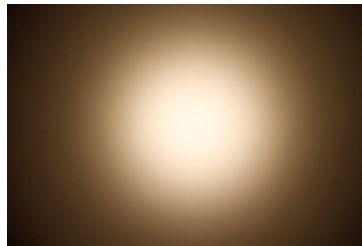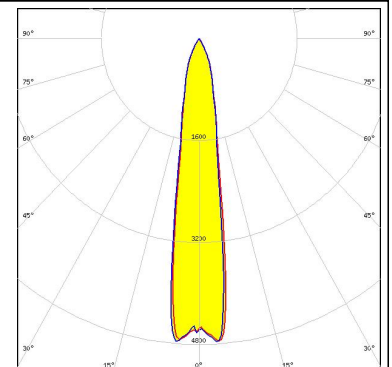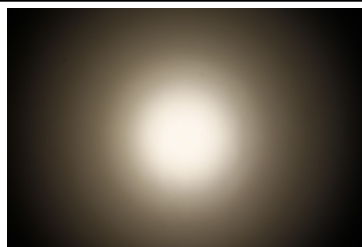
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL03x/CLU03x
FWHM	13.0°
Efficiency	78 %
Peak intensity	6.400 cd/lm
Required components:	

A.A.G. STUCCHI: 8101/G2 + S-8000/11
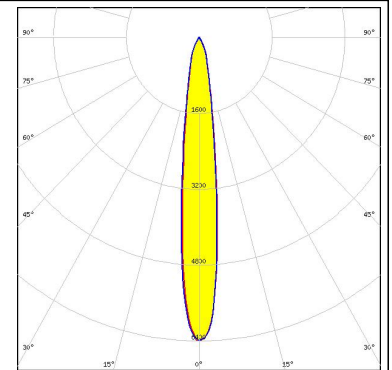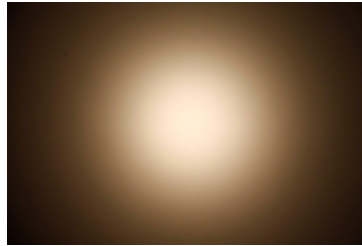
CITIZEN

LED	CLL03x/CLU03x
FWHM	14.0°
Efficiency	80 %
Peak intensity	6.700 cd/lm
Required components:	

C13868_LENA-STD-BASE-VERO13-18

C11996_LENA-LENS

Bender Wirth: 433 Typ L1
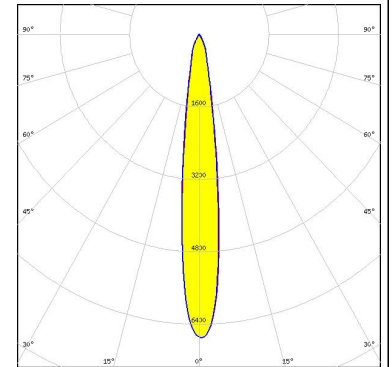
CITIZEN

LED	CLL03x/CLU03x
FWHM	13.0°
Efficiency	80 %
Peak intensity	7.600 cd/lm
Required components:	

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS
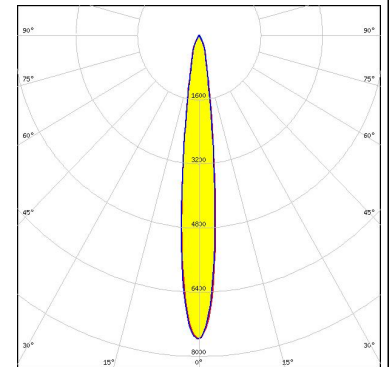
CITIZEN

LED	CLL04x/CLU04x
FWHM	17.0°
Efficiency	78 %
Peak intensity	4.800 cd/lm
Required components:	

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

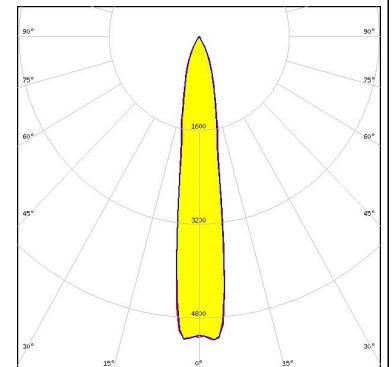## PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL04x/CLU04x
FWHM	16.0°
Efficiency	79 %
Peak intensity	3.820 cd/lm

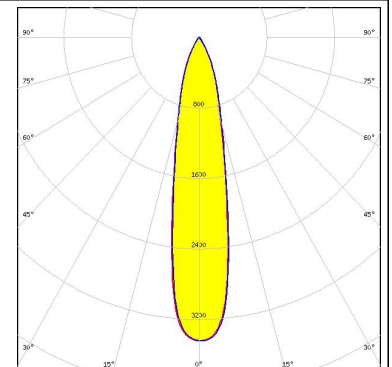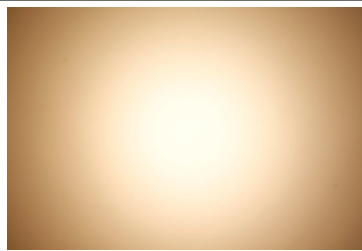Required components:

C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS
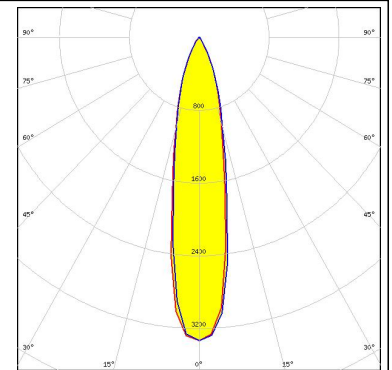
CITIZEN

LED	CLL04x/CLU04x
FWHM	16.0°
Efficiency	85 %
Peak intensity	5.200 cd/lm

Required components:

IDEAL: 50-2204CT + 50-2100LN

CITIZEN

LED	CLL04x/CLU04x
FWHM	21.0°
Efficiency	80 %
Peak intensity	3.400 cd/lm

Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 431 Typ L3

CITIZEN

LED	CLL04x/CLU04x
FWHM	23.0°
Efficiency	73 %
Peak intensity	2.500 cd/lm

Required components:

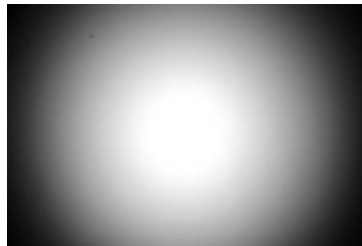A.A.G. STUCCHI: 8102/G2 + S-8000/12
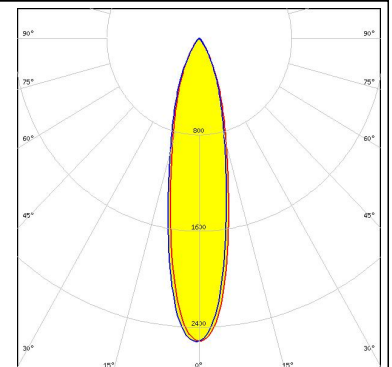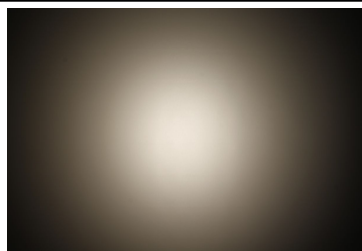
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL04x/CLU04x
FWHM	15.0°
Efficiency	84 %
Peak intensity	5.250 cd/lm

Required components:
C12692_LENA-STD-BASE-CLL040

CITIZEN

LED	CLL04x/CLU04x
FWHM	19.0°
Efficiency	81 %
Peak intensity	3.600 cd/lm

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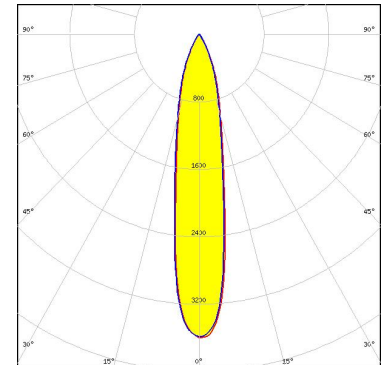
CITIZEN

LED	CLU700/701
FWHM	5.0°
Efficiency	87 %
Peak intensity	61.400 cd/lm

Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 434 Typ L1
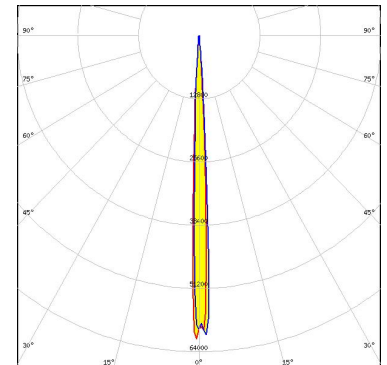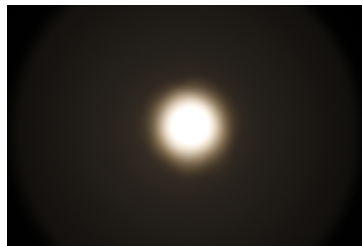
CITIZEN

LED	CLU700/701
FWHM	8.0°
Efficiency	80 %
Peak intensity	17.500 cd/lm

Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
Bender Wirth: 434 Typ L1
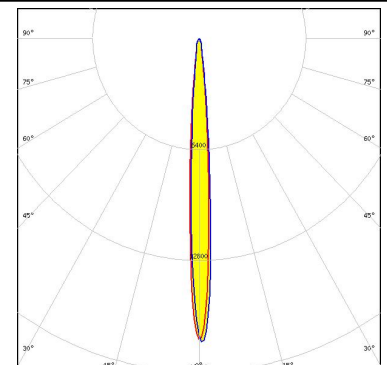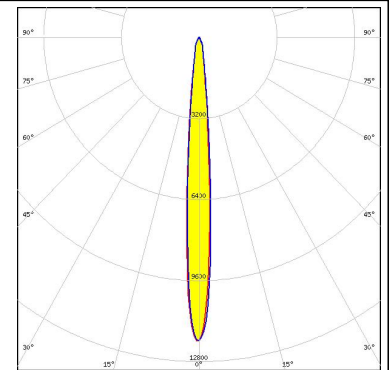
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU710/711
FWHM	9.0°
Efficiency	83 %
Peak intensity	12.000 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	
C11996_LENA-LENS	

CITIZEN

LED	CLU710/711
FWHM	7.0°
Efficiency	90 %
Peak intensity	30.000 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	
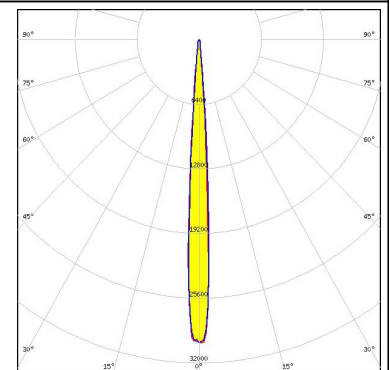
CITIZEN

LED	CLU720/721
FWHM	11.0°
Efficiency	79 %
Peak intensity	8.600 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	
C11996_LENA-LENS	
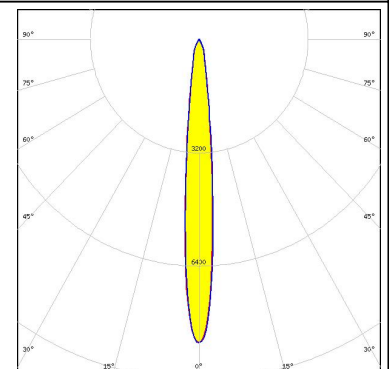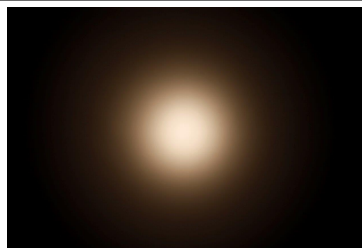
CITIZEN

LED	CLU720/721
FWHM	9.0°
Efficiency	85 %
Peak intensity	18.700 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	
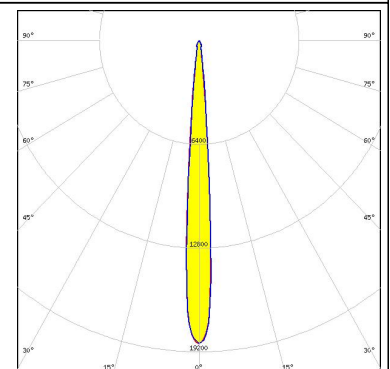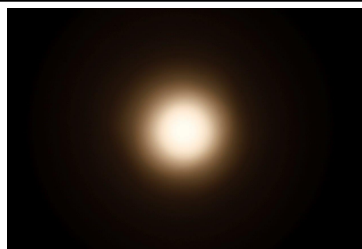
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU730/731
FWHM	10.0°
Efficiency	82 %
Peak intensity	12.400 cd/lm

Required components:
C12692_LENA-STD-BASE-CLL040
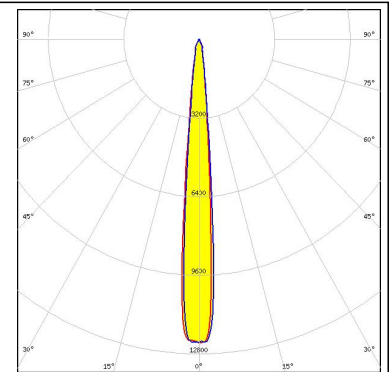
CREE

LED	CMA1840
FWHM	11.0°
Efficiency	88 %
Peak intensity	12.000 cd/lm

Required components:
C14146_LENA-STD-BASE-CXA18
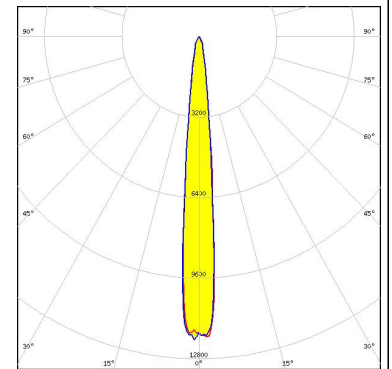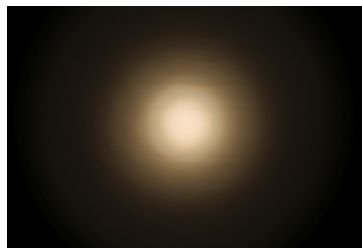
CREE

LED	CXA/B 15xx
FWHM	7.0°
Efficiency	87 %
Peak intensity	30.120 cd/lm

Required components:
C13186_LENA-STD-BASE-CXA15
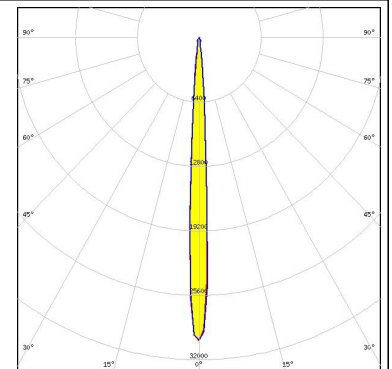
CREE

LED	CXA/B 15xx
FWHM	8.0°
Efficiency	80 %
Peak intensity	16.500 cd/lm

Required components:
C13868_LENA-STD-BASE-VERO13-18
C11996_LENA-LENS
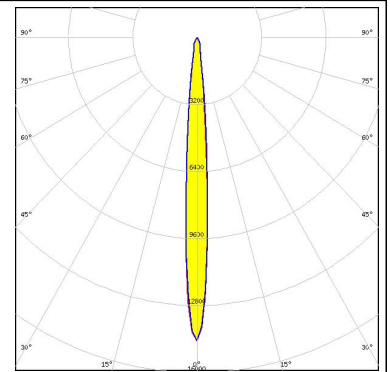Bender Wirth: 441 Typ L1

PHOTOMETRIC DATA (MEASURED):

CREE
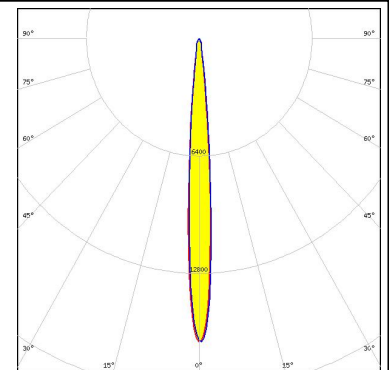
LED	CXA/B 15xx
FWHM	8.0°
Efficiency	81 %
Peak intensity	15.500 cd/lm
Required components:	
C13186_LENA-STD-BASE-CXA15	
C11996_LENA-LENS	

CREE

LED	CXA/B 15xx
FWHM	7.0°
Efficiency	86 %
Peak intensity	31.300 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 441 Typ L1	

CREE
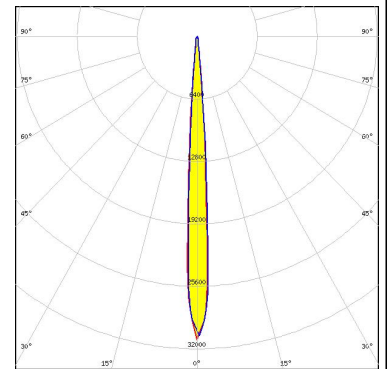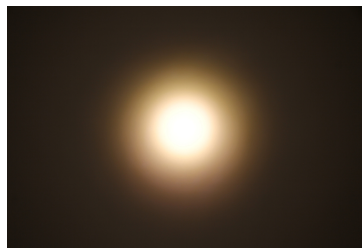
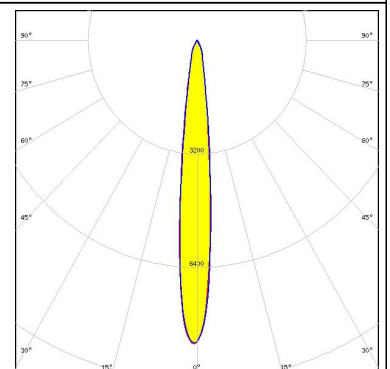|	
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	10.0°
Efficiency	87 %
Peak intensity	17.600 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 437 Typ L1	

CREE
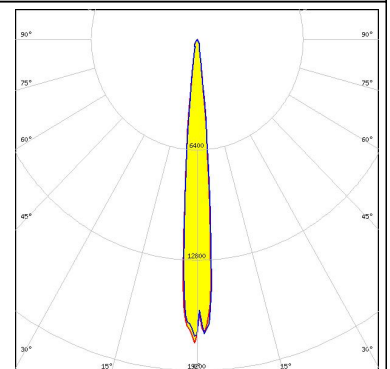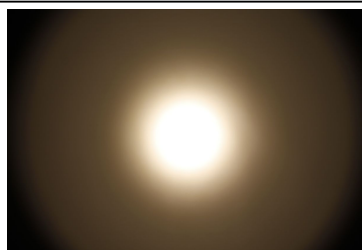
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	12.0°
Efficiency	82 %
Peak intensity	8.600 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 437 Typ L1	

PHOTOMETRIC DATA (MEASURED):

CREE

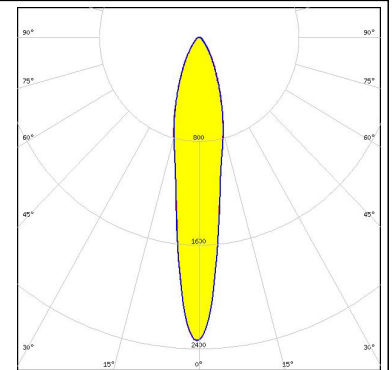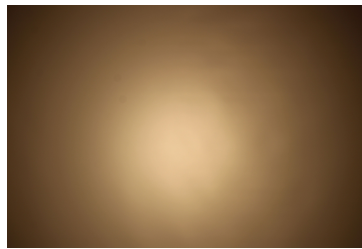|	
LED	CXA/B 1830
FWHM	18.0°
Efficiency	75 %
Peak intensity	2.300 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

C12231_LENA-FRESNEL-LENS

Bender Wirth: 437 Typ L1

CREE

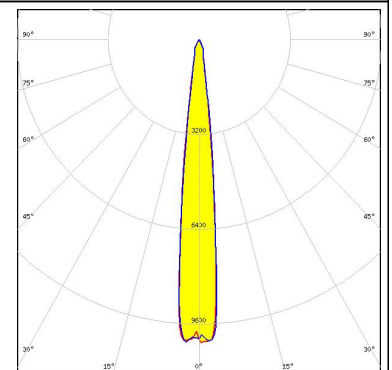|	
LED	CXA/B 1830
FWHM	12.0°
Efficiency	82 %
Peak intensity	10.300 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

C14169_LENA-CLEAR-LENS

Bender Wirth: 437 Typ L1

CREE

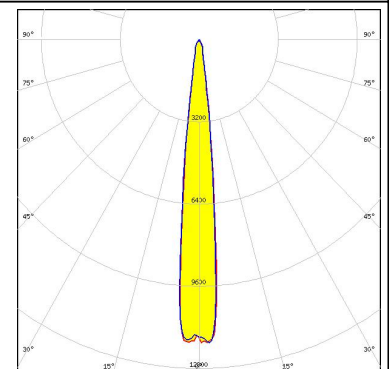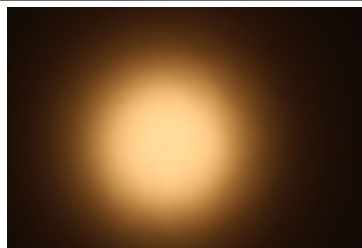|	
LED	CXA/B 1830
FWHM	12.0°
Efficiency	87 %
Peak intensity	11.900 cd/lm

Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 437 Typ L1

CREE

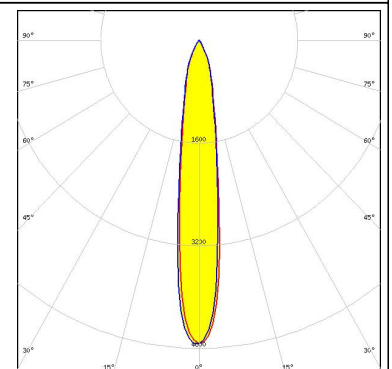|	
LED	CXA/B 25xx
FWHM	13.0°
Efficiency	79 %
Peak intensity	5.900 cd/lm

Required components:

C13324_LENA-STD-BASE-CXA25

C11996_LENA-LENS
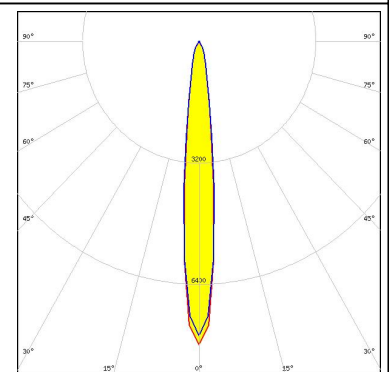
PHOTOMETRIC DATA (MEASURED):

CREE⇕

LED	CXA/B 25xx
FWHM	13.0°
Efficiency	84 %
Peak intensity	8.000 cd/lm
Required components:	
C13324_LENA-STD-BASE-CXA25	
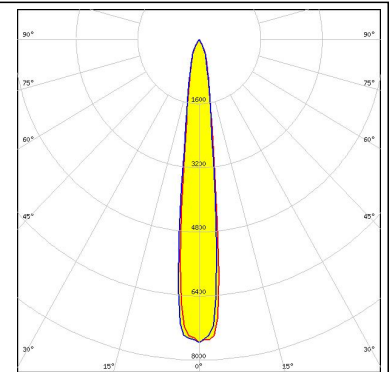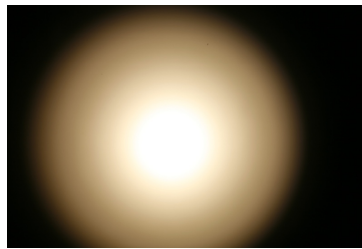
CREE⇕

LED	CXA2011
FWHM	11.0°
Efficiency	80 %
Peak intensity	cd/lm
Required components:	
C12105_LENA-STD-BASE-CXA20	
C11996_LENA-LENS	

EVERLIGHT

LED	CHI3030 19W
FWHM	20.0°
Efficiency	86 %
Peak intensity	4.100 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
Bender Wirth: 468 Typ L3	
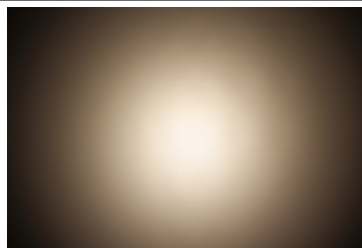
EVERLIGHT

LED	CHI3030 29W
FWHM	25.0°
Efficiency	80 %
Peak intensity	2.700 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
Bender Wirth: 468 Typ L3	
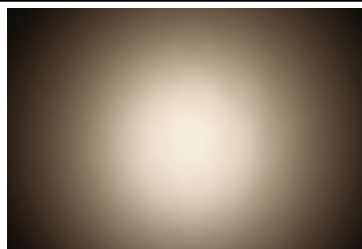
PHOTOMETRIC DATA (MEASURED):

LUMILEDS
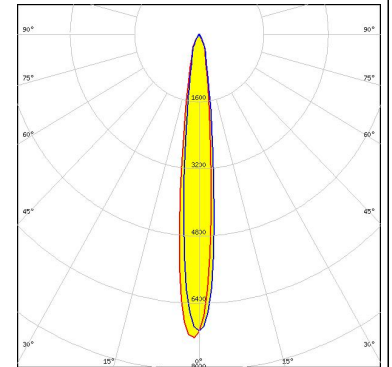
LED	LUXEON CoB 1202/1203
FWHM	7.0°
Efficiency	87 %
Peak intensity	28.300 cd/lm

Required components:
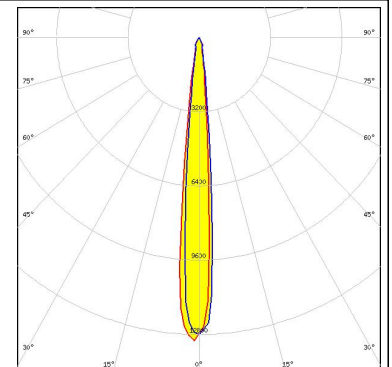
C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1
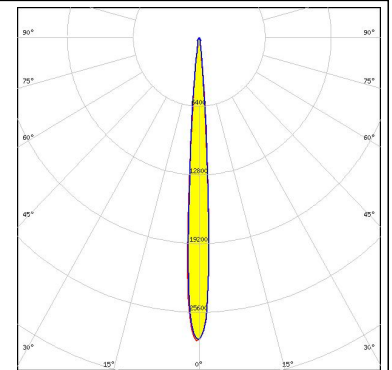
LUMILEDS

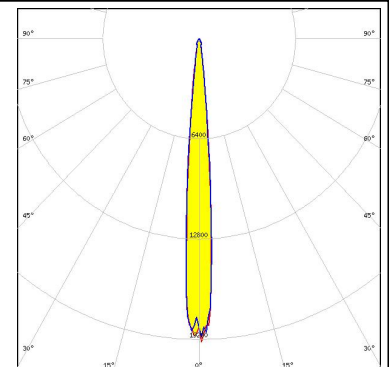|	
LED	LUXEON CoB 1204/1205
FWHM	12.0°
Efficiency	77 %
Peak intensity	7.300 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS

LUMILEDS

LED	LUXEON CoB 1204/1205
FWHM	10.0°
Efficiency	83 %
Peak intensity	13.100 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

LUMILEDS

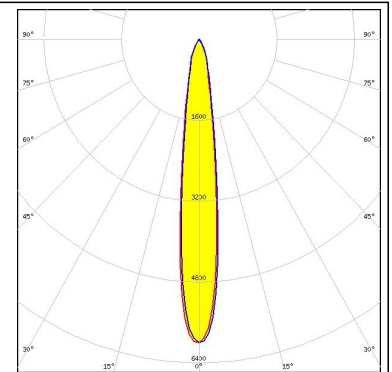|	
LED	LUXEON CoB 1205HD
FWHM	9.0°
Efficiency	88 %
Peak intensity	19.200 cd/lm

Required components:

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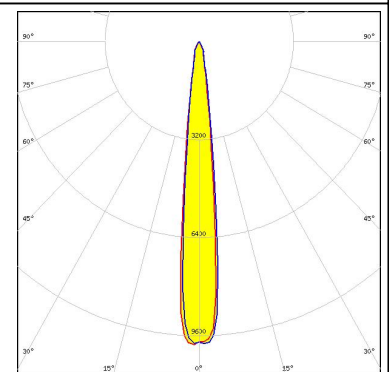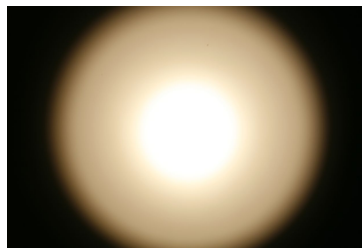
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1208
FWHM	14.0°
Efficiency	78 %
Peak intensity	6.000 cd/lm
Required components:	
C12292_LENA-STD-BASE-MEZ	
C11996_LENA-LENS	

LUMILEDS

LED	LUXEON CoB 1208
FWHM	12.0°
Efficiency	84 %
Peak intensity	9.900 cd/lm
Required components:	
C12292_LENA-STD-BASE-MEZ	

LUMILEDS

LED	LUXEON CoB 1211
FWHM	17.0°
Efficiency	80 %
Peak intensity	5.000 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
Bender Wirth: 431 Typ L3	
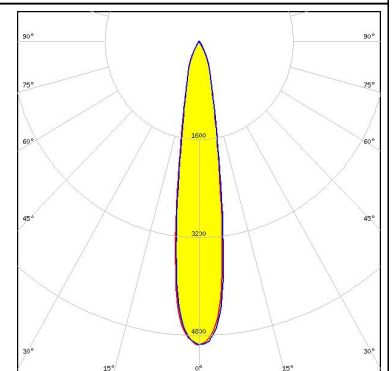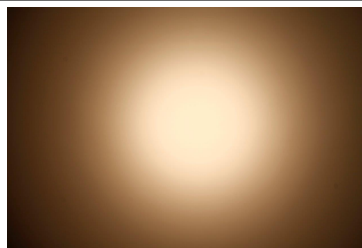
LUMILEDS

LED	LUXEON CoB 1211
FWHM	16.0°
Efficiency	85 %
Peak intensity	6.600 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
Bender Wirth: 431 Typ L3	
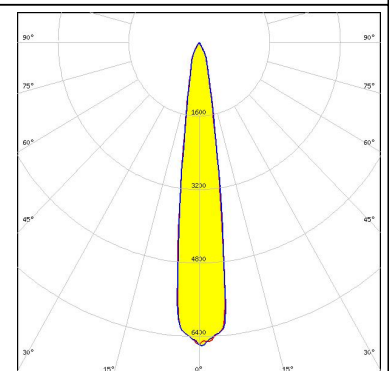
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	23.0°
Efficiency	74 %
Peak intensity	2.600 cd/lm
Required components:	
A.A.G. STUCCHI: 8102/G2 + S-8000/12	
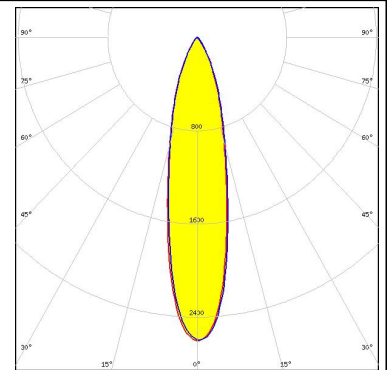
LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	21.0°
Efficiency	80 %
Peak intensity	3.600 cd/lm
Required components:	
C12692_LENA-STD-BASE-CLL040	
C11996_LENA-LENS	
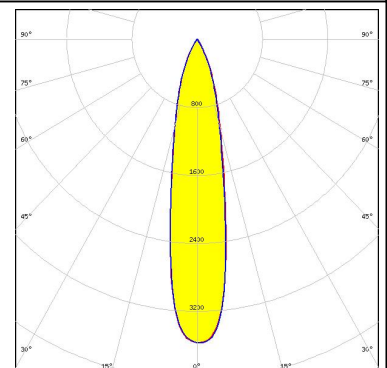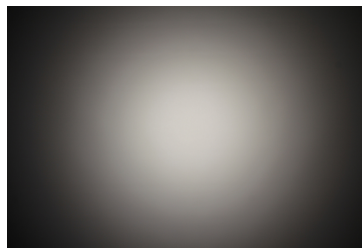
LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	18.0°
Efficiency	79 %
Peak intensity	4.540 cd/lm
Required components:	
A.A.G. STUCCHI: 8102/G2 + S-8000/12	
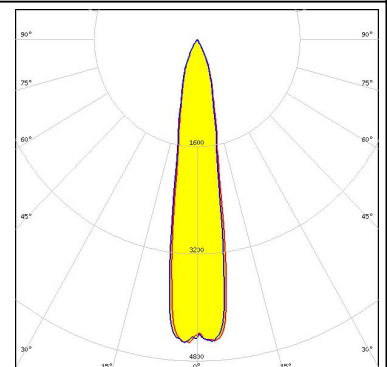
LUMINUS

LED	CDM-14 (Dim-To-Warm)
FWHM	13.0°
Efficiency	82 %
Peak intensity	8.500 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 491 Typ L2	

PHOTOMETRIC DATA (MEASURED):

LUMINUS
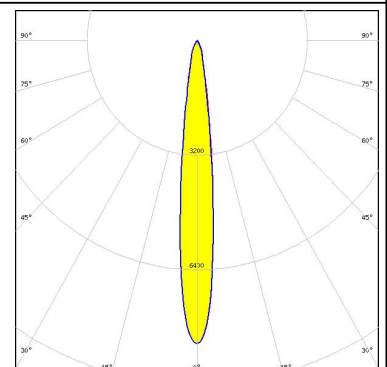
LED	CDM-18 (Dim-To-Warm)
FWHM	16.0°
Efficiency	82 %
Peak intensity	5.600 cd/lm

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C11996_LENA-LENS
- Bender Wirth: 491 Typ L2

LUMINUS
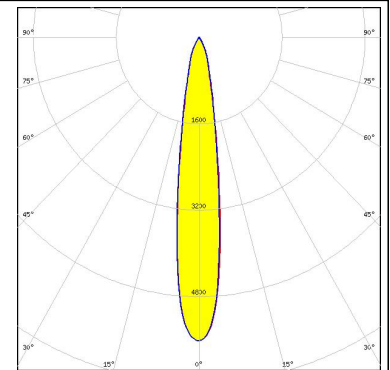
LED	CDM-9 (Dim-To-Warm)
FWHM	10.0°
Efficiency	81 %
Peak intensity	13.400 cd/lm

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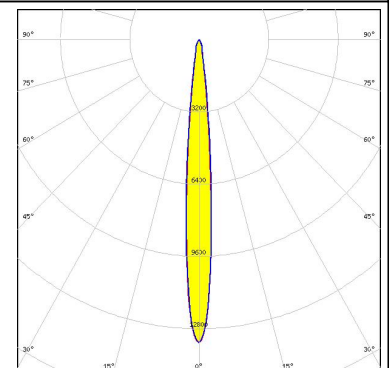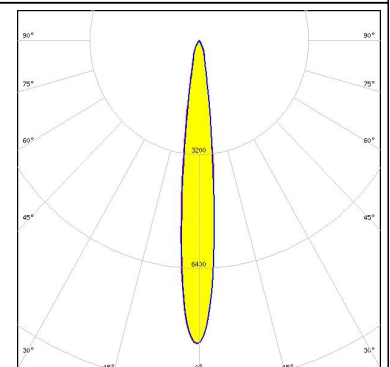- C11996_LENA-LENS
- Bender Wirth: 490 Typ L1

LUMINUS

LED	CTM-14 (Tunable White)
FWHM	10.0°
Efficiency	86 %
Peak intensity	14.900 cd/lm

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

LUMINUS
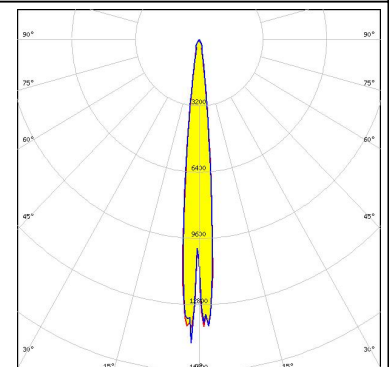
LED	CTM-14 (Tunable White)
FWHM	13.0°
Efficiency	81 %
Peak intensity	8.600 cd/lm

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

PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CTM-22 (Tunable White)
FWHM	20.0°
Efficiency	81 %
Peak intensity	3.950 cd/lm

Required components:
  C13867_LENA-STD-BASE-VERO29
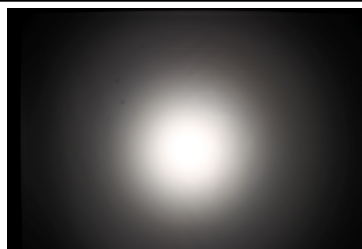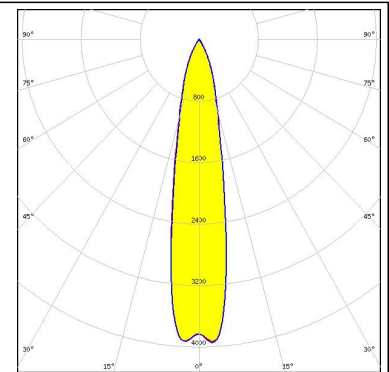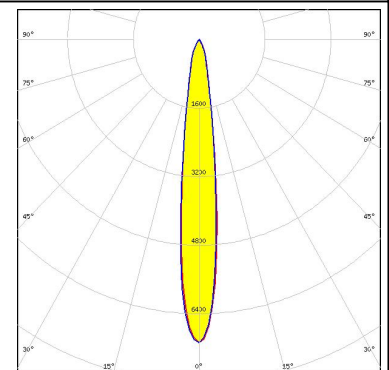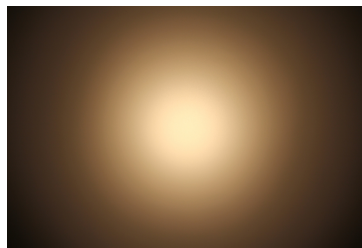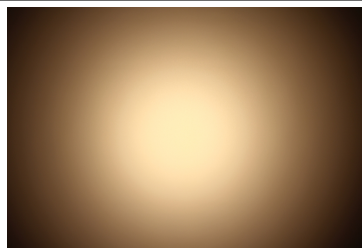 C11996_LENA-LENS
  Bender Wirth: 494 Typ L3

LUMINUS

LED	CXM-14
FWHM	14.0°
Efficiency	80 %
Peak intensity	7.100 cd/lm

Required components:
  C12691_LENA-STD-BASE-CLL030
  C11996_LENA-LENS

LUMINUS

LED	CXM-22
FWHM	21.0°
Efficiency	80 %
Peak intensity	3.800 cd/lm

Required components:
  C12692_LENA-STD-BASE-CLL040
  C11996_LENA-LENS

NICHIA

LED	COB J-Type
FWHM	14.0°
Efficiency	82 %
Peak intensity	6.500 cd/lm

Required components:
  C13868_LENA-STD-BASE-VERO13-18
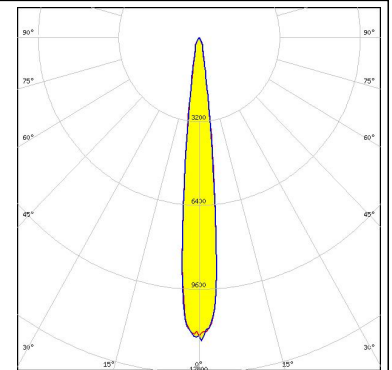 C11996_LENA-LENS
  Bender Wirth: 463 Typ L2

PHOTOMETRIC DATA (MEASURED):

NICHIA
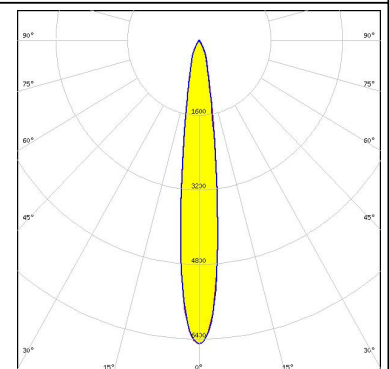
LED	COB J-Type
FWHM	12.0°
Efficiency	87 %
Peak intensity	11.600 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 463 Typ L2	

NICHIA

LED	COB L-Type (LES 11)
FWHM	11.0°
Efficiency	82 %
Peak intensity	9.400 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 438 Typ L1	

NICHIA
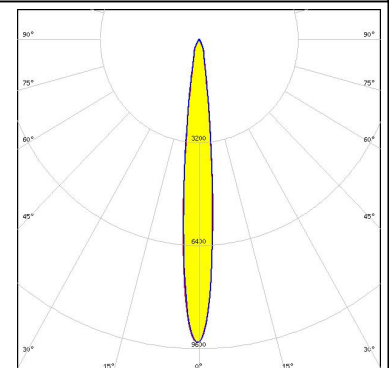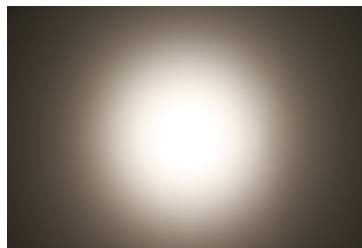
LED	COB L-Type (LES 11)
FWHM	9.0°
Efficiency	87 %
Peak intensity	18.800 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 438 Typ L1	

NICHIA
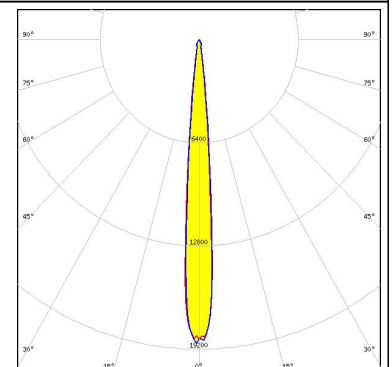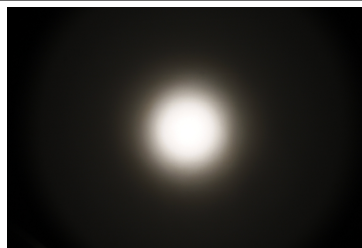
LED	COB L-Type (LES 9)
FWHM	9.0°
Efficiency	83 %
Peak intensity	11.900 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 438 Typ L1	

PHOTOMETRIC DATA (MEASURED):

NICHIA
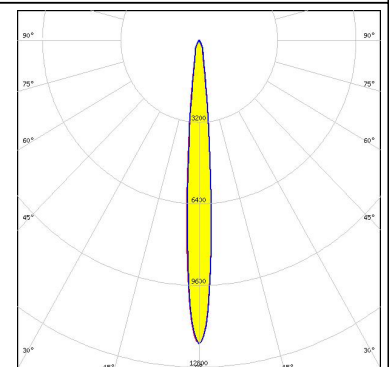
LED	COB L-Type (LES 9)
FWHM	7.0°
Efficiency	89 %
Peak intensity	30.700 cd/lm

Required components:
   C13868_LENA-STD-BASE-VERO13-18
   Bender Wirth: 438 Typ L1

OSRAM
Opto Semiconductors
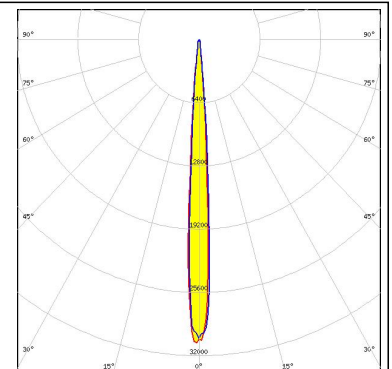
LED	Soleriq S13
FWHM	12.0°
Efficiency	80 %
Peak intensity	8.000 cd/lm

Required components:
   C13868_LENA-STD-BASE-VERO13-18
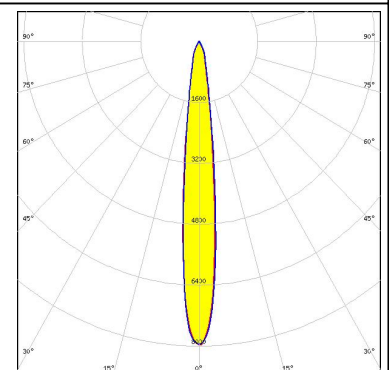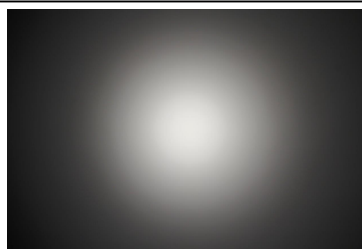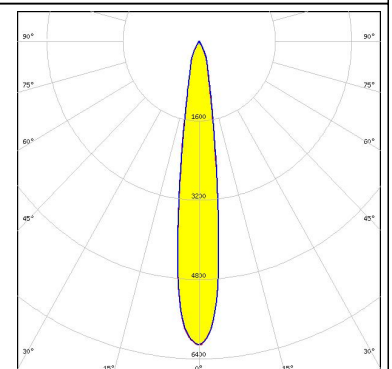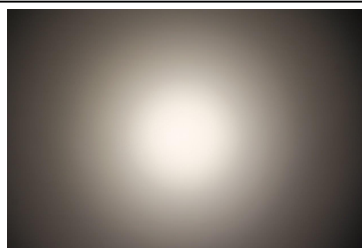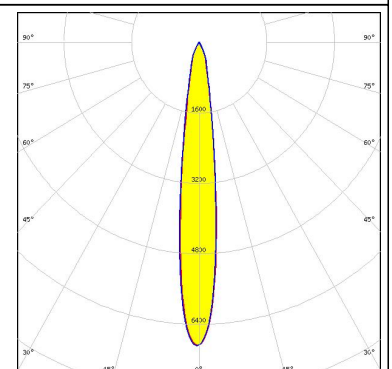   C11996_LENA-LENS
   Bender Wirth: 437 Typ L1

OSRAM
Opto Semiconductors

LED	Soleriq S19
FWHM	15.0°
Efficiency	80 %
Peak intensity	6.100 cd/lm

Required components:
   C13867_LENA-STD-BASE-VERO29
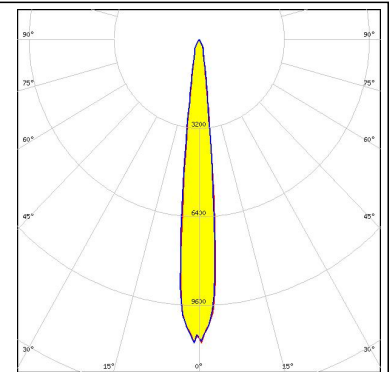   Bender Wirth: 462 Typ L3

SAMSUNG

LED	COB D Series LES 14.5 mm
FWHM	14.0°
Efficiency	80 %
Peak intensity	6.900 cd/lm

Required components:
   C12691_LENA-STD-BASE-CLL030
   C11996_LENA-LENS
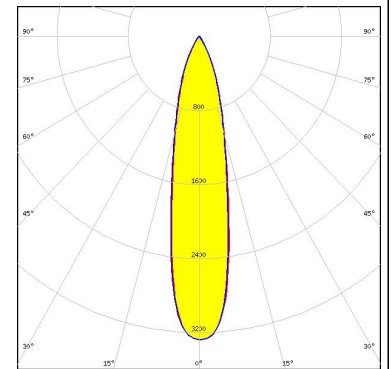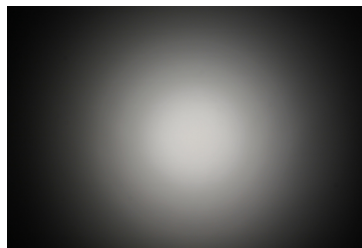
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	COB D Series LES 14.5 mm
FWHM	12.0°
Efficiency	85 %
Peak intensity	11.000 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	

SAMSUNG

LED	COB D Series LES 22 mm
FWHM	22.0°
Efficiency	80 %
Peak intensity	3.300 cd/lm
Required components:	
C12692_LENA-STD-BASE-CLL040	
C11996_LENA-LENS	

SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM	12.0°
Efficiency	80 %
Peak intensity	8.000 cd/lm
Required components:	
C12691_LENA-STD-BASE-CLL030	
C11996_LENA-LENS	
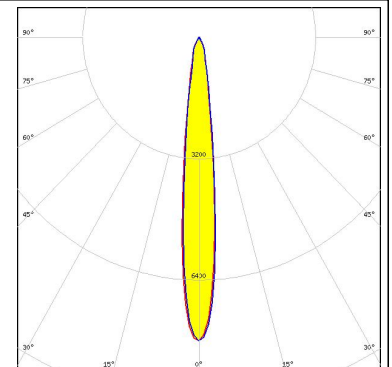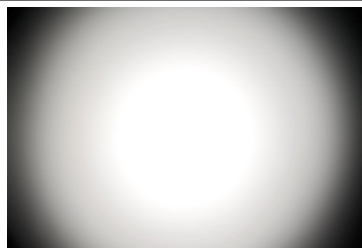
SHARP

LED	Mega Zenigata (GW5DGC)
FWHM	14.0°
Efficiency	80 %
Peak intensity	cd/lm
Required components:	
C12292_LENA-STD-BASE-MEZ	
C11996_LENA-LENS	

PHOTOMETRIC DATA (MEASURED):

SHARP

LED	Mega Zenigata (GW5DGC)
FWHM	13.5°
Efficiency	85 %
Peak intensity	cd/lm

Required components:

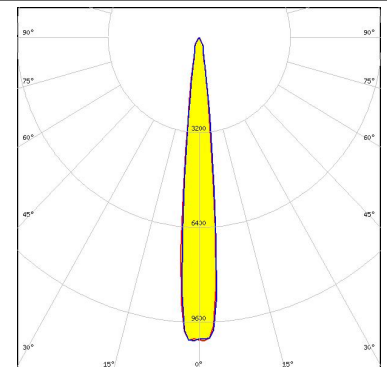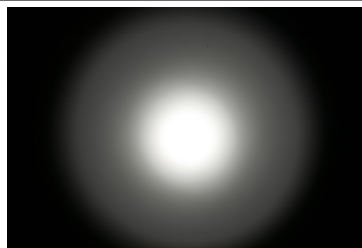C12292_LENA-STD-BASE-MEZ

SHARP

LED	Mega Zenigata (GW6DME)
FWHM	14.0°
Efficiency	77 %
Peak intensity	6.150 cd/lm

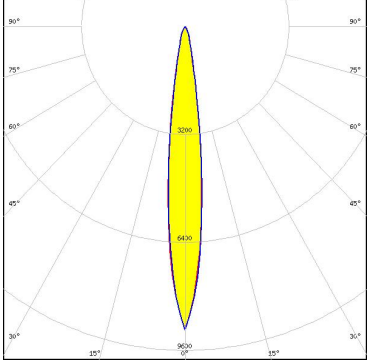Required components:

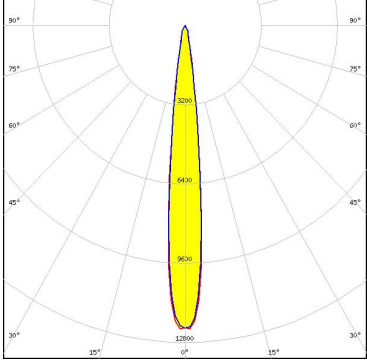C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS
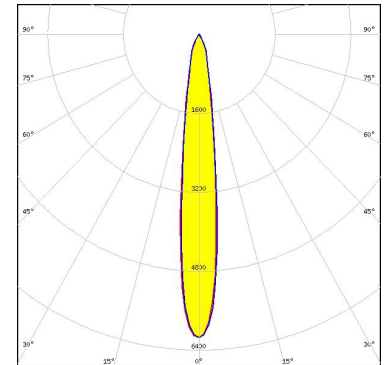
SHARP
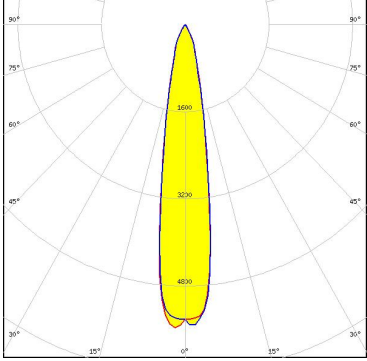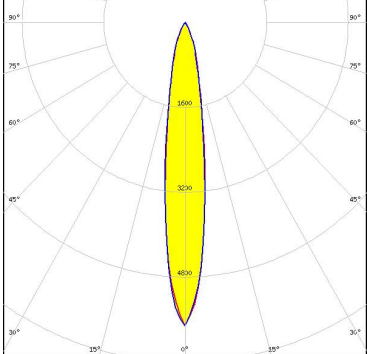
LED	Mega Zenigata (GW6DME)
FWHM	12.0°
Efficiency	83 %
Peak intensity	10.230 cd/lm

Required components:

C12292_LENA-STD-BASE-MEZ

PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V10 Gen7
FWHM	11.0°
Efficiency	79 %
Peak intensity	12.280 cd/lm

Required components:
  C13868_LENA-STD-BASE-VERO13-18
  C11996_LENA-LENS
  Bender Wirth: 434 Typ L1

bridgelux

LED	V10 Gen7
FWHM	9.0°
Efficiency	90 %
Peak intensity	22.340 cd/lm

Required components:
  C13868_LENA-STD-BASE-VERO13-18
  Bender Wirth: 434 Typ L1

bridgelux

LED	V13 Gen7
FWHM	10.0°
Efficiency	88 %
Peak intensity	12.900 cd/lm

Required components:
  IDEAL: 50-2103CT + 50-2100LN

bridgelux

LED	V13 Gen7
FWHM	11.0°
Efficiency	85 %
Peak intensity	9.900 cd/lm

Required components:
  IDEAL: 50-2103CT + 50-2100LN

PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V13 Gen7
FWHM	13.0°
Efficiency	81 %
Peak intensity	9.000 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 477 Typ L1	

bridgelux

LED	V13 Gen7
FWHM	12.0°
Efficiency	89 %
Peak intensity	12.270 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 477 Typ L1	

bridgelux

LED	V22 Gen7
FWHM	18.0°
Efficiency	90 %
Peak intensity	5.583 cd/lm
Required components:	
C13867_LENA-STD-BASE-VERO29	
Bender Wirth: 431 Typ L3	

CREE

LED	CXA/B 30xx
FWHM	16.0°
Efficiency	80 %
Peak intensity	5.700 cd/lm
Required components:	
IDEAL: 50-2234C + 50-2100LN	

PHOTOMETRIC DATA (SIMULATED):

CREE

LED	CXA/B 30xx
FWHM	14.0°
Efficiency	87 %
Peak intensity	7.500 cd/lm
Required components:	
IDEAL: 50-2234C + 50-2100LN	
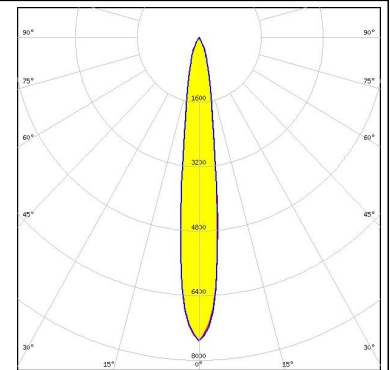
LUMINUS

LED	CXM-14
FWHM	14.0°
Efficiency	80 %
Peak intensity	6.700 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 433 Typ L1	

LUMINUS

LED	CXM-14
FWHM	12.0°
Efficiency	85 %
Peak intensity	11.200 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
Bender Wirth: 433 Typ L1	

LUMINUS

LED	CXM-9
FWHM	10.0°
Efficiency	80 %
Peak intensity	11.500 cd/lm
Required components:	
C13868_LENA-STD-BASE-VERO13-18	
C11996_LENA-LENS	
Bender Wirth: 434 Typ L1	