

LENINA-W

~55° wide beam

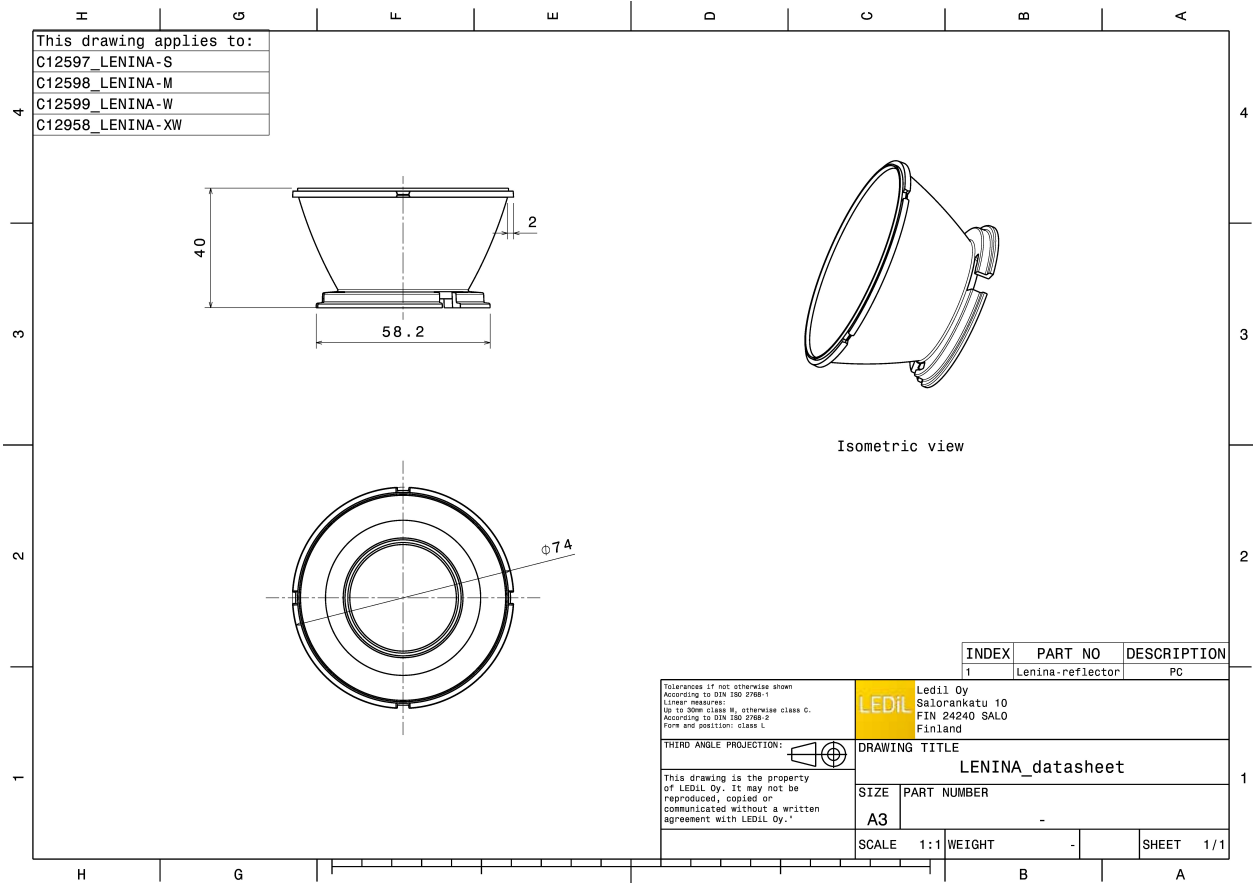
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 74 mm
Height	40 mm
Fastening	
Colour	metal
Box size	476 x 273 x 197 mm
Box weight	2 kg
Quantity in Box	60 pcs
ROHS compliant	yes ⓘ

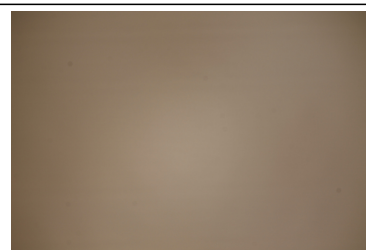
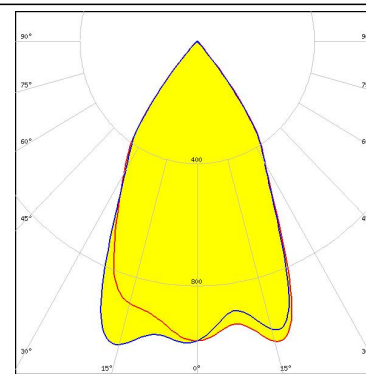
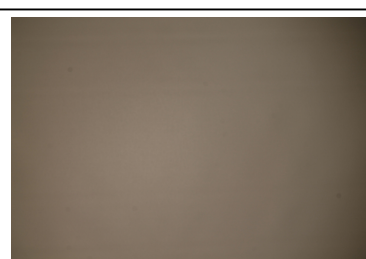
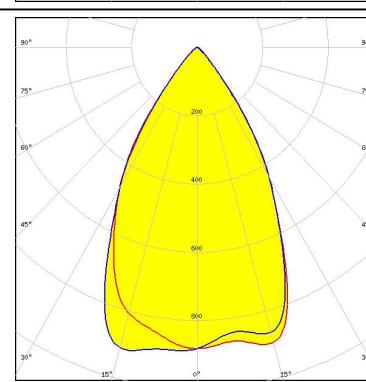


MATERIAL SPECIFICATIONS:


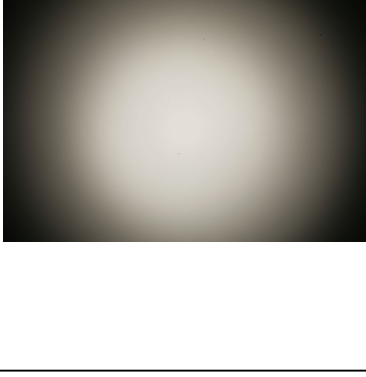
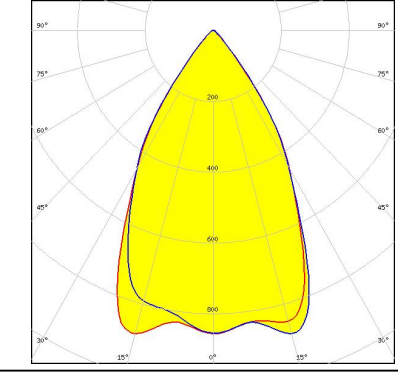
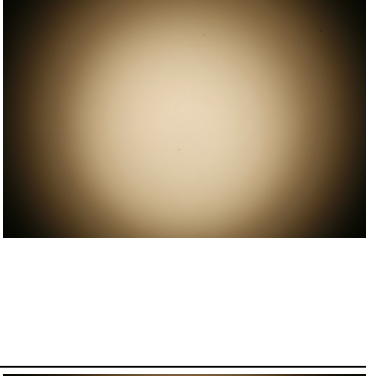
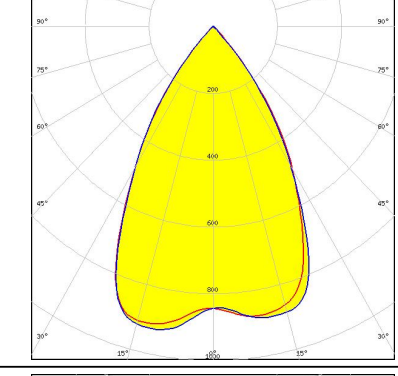
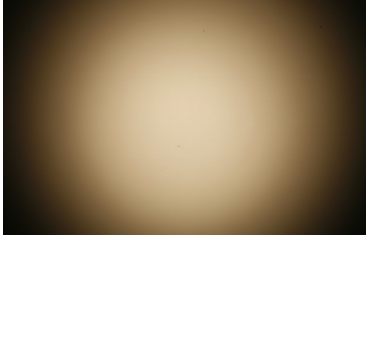
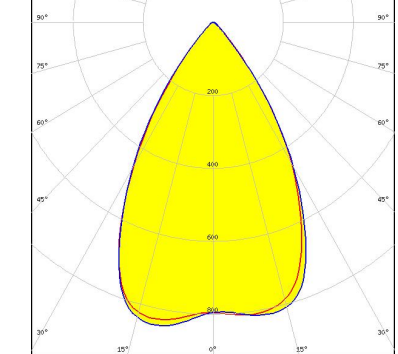
Component	Type	Material	Colour	Coating
LENINA-W	Reflector	PC	metal	lacquer





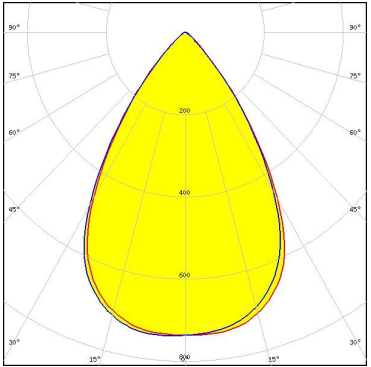
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED BXRA ES Rectangle</p> <p>FWHM 58.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: C12153_LENINA-STD-BASE-BXRA LEDiL: LEDiL</p>		
<p>bridgelux.</p> <p>LED BXRA ES Rectangle</p> <p>FWHM 60.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.920 cd/lm</p> <p>Required components: C12153_LENINA-STD-BASE-BXRA C12606_LENINA-DL LEDiL: LEDiL</p>		
<p>bridgelux.</p> <p>LED BXRA RS</p> <p>FWHM 60.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 0.816 cd/lm</p> <p>Required components: C12229_LENINA-STD-BASE-RS C12606_LENINA-DL</p>		
<p>bridgelux.</p> <p>LED BXRA RS</p> <p>FWHM 64.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.888 cd/lm</p> <p>Required components: C12229_LENINA-STD-BASE-RS</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen6</p> <p>FWHM 47.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: C13186_LENINA-STD-BASE-CXA15 C12606_LENINA-DL</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 60.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.890 cd/lm</p> <p>Required components: C13868_LENINA-STD-BASE-VERO13-18 C12606_LENINA-DL</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 64.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.930 cd/lm</p> <p>Required components: C13868_LENINA-STD-BASE-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 64.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 0.850 cd/lm</p> <p>Required components: C13868_LENINA-STD-BASE-VERO13-18 C12606_LENINA-DL</p>		

PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED VERO29 FWHM 67.0° Efficiency 84 % Peak intensity 0.740 cd/lm Required components: C13867_LENINA-STD-BASE-VERO29 C12606_LENINA-DL</p>		
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<p></p> <p>LED VERO29 FWHM 67.0° Efficiency 88 % Peak intensity 0.800 cd/lm Required components: C13867_LENINA-STD-BASE-VERO29</p>		
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CITIZEN

LED CL-L340
FWHM 50.0°
Efficiency 78 %
Peak intensity 0.000 cd/lm
Required components:
C11995_LENINA-STD-BASE-CL340
C12606_LENINA-DL

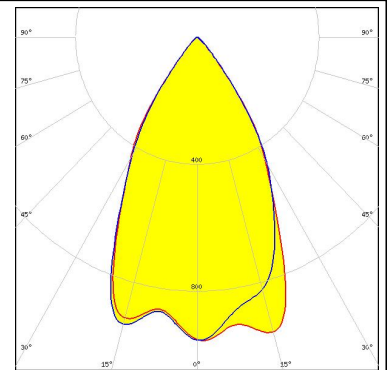
CITIZEN

LED CL-L340
FWHM 48.0°
Efficiency 86 %
Peak intensity cd/lm
Required components:
C11995_LENINA-STD-BASE-CL340

PHOTOMETRIC DATA (MEASURED):

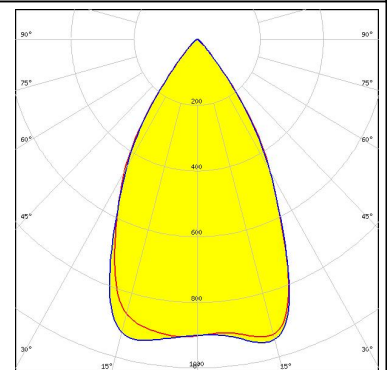
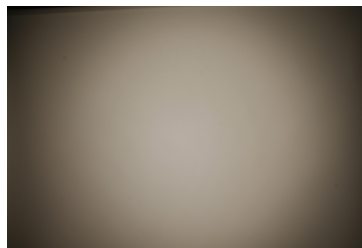
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 57.0°
Efficiency 86 %
Peak intensity 0.980 cd/lm
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 434 Typ L1



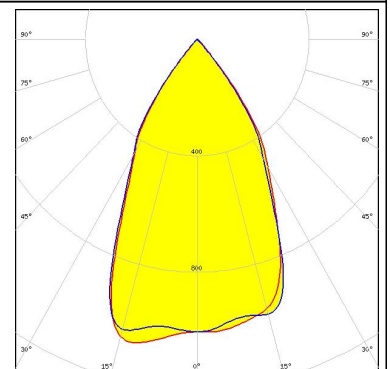
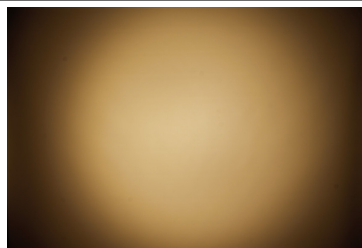
CITIZEN

LED CLL03x/CLU03x
FWHM 60.0°
Efficiency 86 %
Peak intensity 0.950 cd/lm
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 433 Typ L1



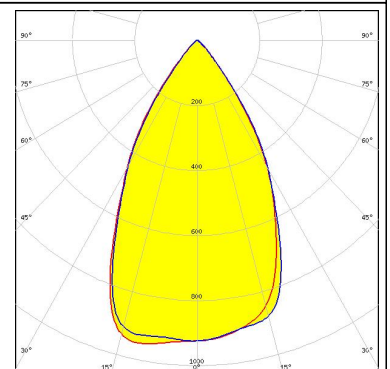
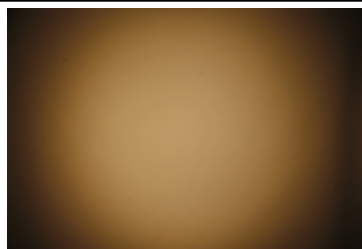
CITIZEN

LED CLL03x/CLU03x
FWHM 56.0°
Efficiency 90 %
Peak intensity 1.100 cd/lm
Required components:
C12691_LENINA-STD-BASE-CLL030



CITIZEN

LED CLL03x/CLU03x
FWHM 58.0°
Efficiency 86 %
Peak intensity 0.950 cd/lm
Required components:
C12691_LENINA-STD-BASE-CLL030
C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL04x/CLU04x

FWHM 61.0°

Efficiency 86 %

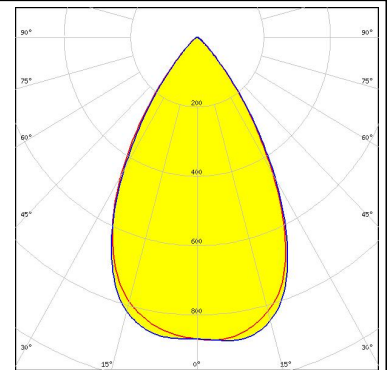
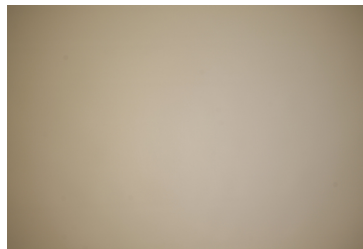
Peak intensity 0.880 cd/lm

Required components:

C13867_LENINA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 431 Typ L3



CITIZEN

LED CLL04x/CLU04x

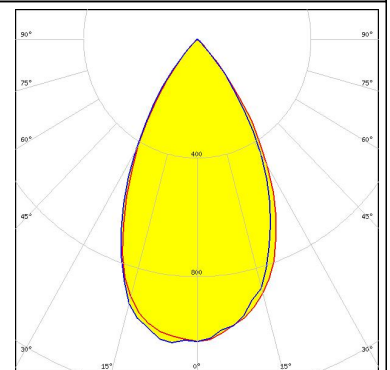
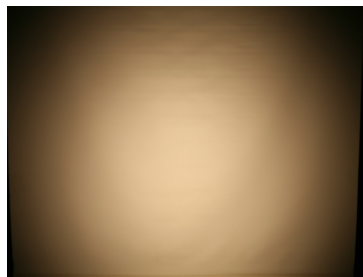
FWHM 59.0°

Efficiency 84 %

Peak intensity 1.000 cd/lm

Required components:

C12692_LENINA-STD-BASE-CLL040



CITIZEN

LED CLL04x/CLU04x

FWHM 58.0°

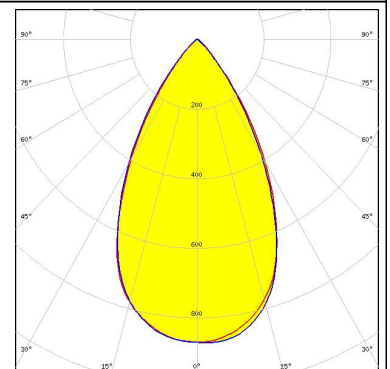
Efficiency 78 %

Peak intensity 0.900 cd/lm

Required components:

C12606_LENINA-DL

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



CITIZEN

LED CLL04x/CLU04x

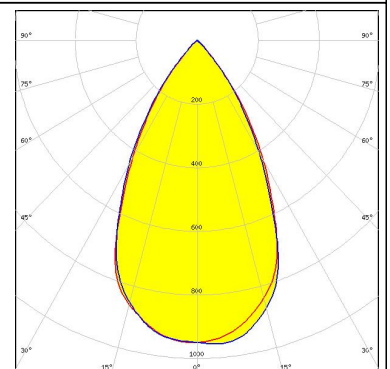
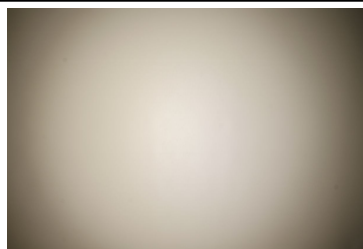
FWHM 57.0°

Efficiency 82 %

Peak intensity 1.000 cd/lm

Required components:

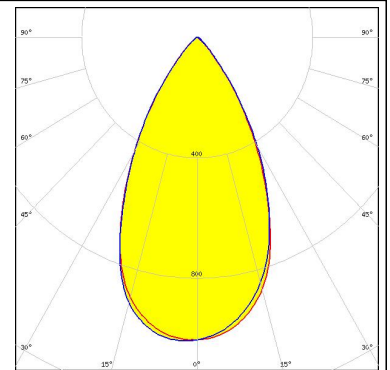
A.A.G. STUCCHI: 8102/G2 + S-8000/12



PHOTOMETRIC DATA (MEASURED):

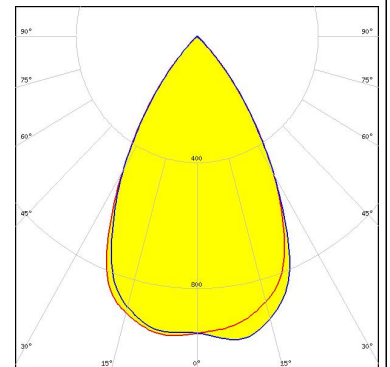
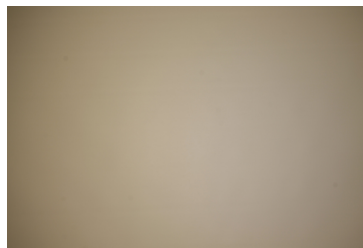
CITIZEN

LED CLL04x/CLU04x
 FWHM 55.0°
 Efficiency 86 %
 Peak intensity 1.000 cd/lm
 Required components:
 C12606_LENINA-DL
 IDEAL: 50-2204CT + 50-2100LN



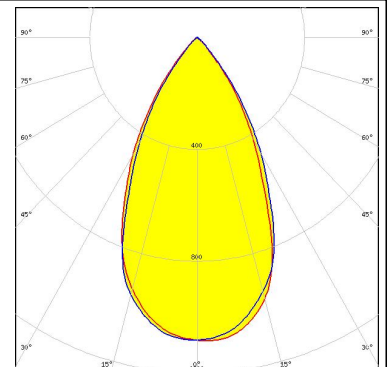
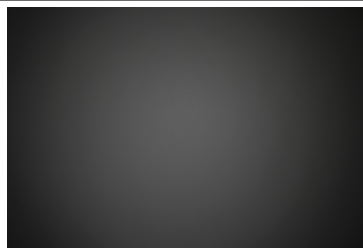
CITIZEN

LED CLL04x/CLU04x
 FWHM 61.0°
 Efficiency 91 %
 Peak intensity 0.970 cd/lm
 Required components:
 C13867_LENINA-STD-BASE-VERO29
 Bender Wirth: 431 Typ L3



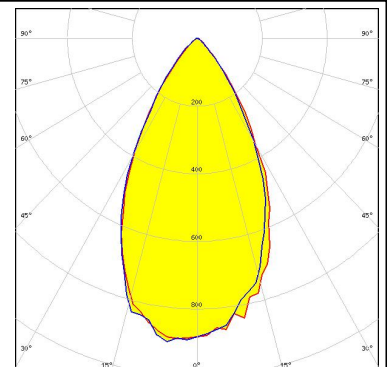
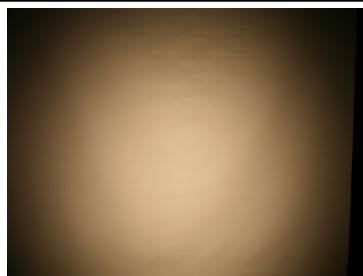
CITIZEN

LED CLL04x/CLU04x
 FWHM 54.0°
 Efficiency 87 %
 Peak intensity 1.100 cd/lm
 Required components:
 IDEAL: 50-2204CT + 50-2100LN



CITIZEN

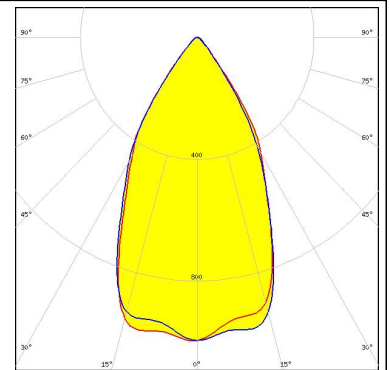
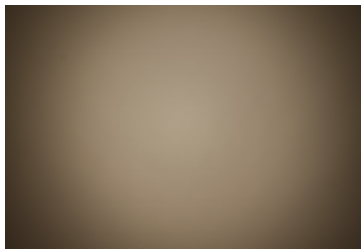
LED CLL04x/CLU04x
 FWHM 56.0°
 Efficiency 76 %
 Peak intensity 0.900 cd/lm
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

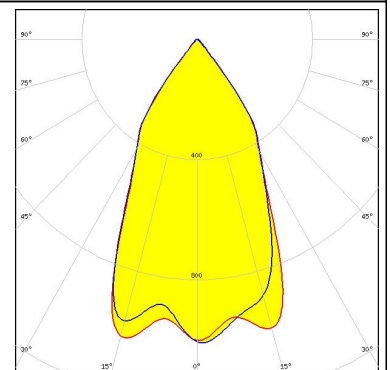
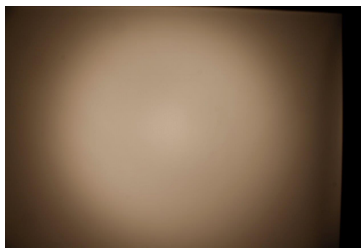
CITIZEN

LED CLU710/711
 FWHM 55.0°
 Efficiency 89 %
 Peak intensity 1.000 cd/lm
 Required components:
 C12691_LENINA-STD-BASE-CLL030
 C12606_LENINA-DL



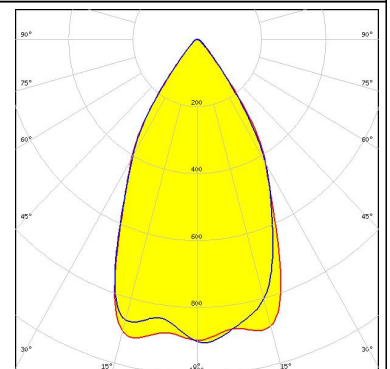
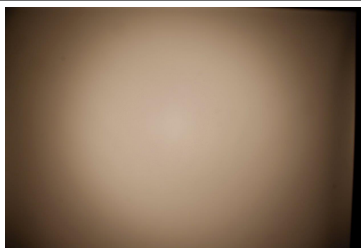
CITIZEN

LED CLU720/721
 FWHM 54.0°
 Efficiency 87 %
 Peak intensity 1.000 cd/lm
 Required components:
 C12691_LENINA-STD-BASE-CLL030



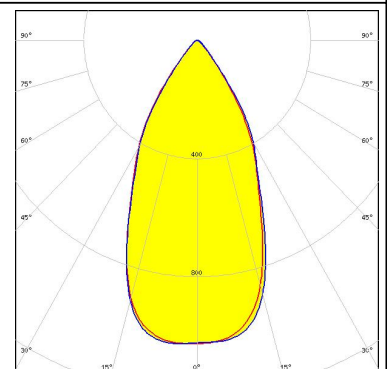
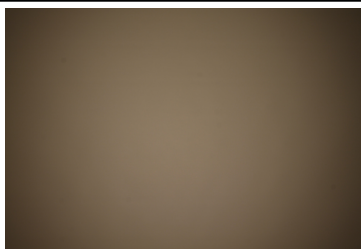
CITIZEN

LED CLU720/721
 FWHM 57.0°
 Efficiency 83 %
 Peak intensity 0.910 cd/lm
 Required components:
 C12691_LENINA-STD-BASE-CLL030
 C12606_LENINA-DL



CITIZEN

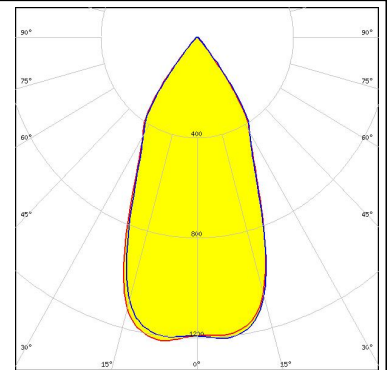
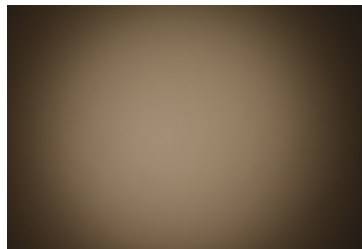
LED CLU730/731
 FWHM 50.0°
 Efficiency 83 %
 Peak intensity 1.000 cd/lm
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

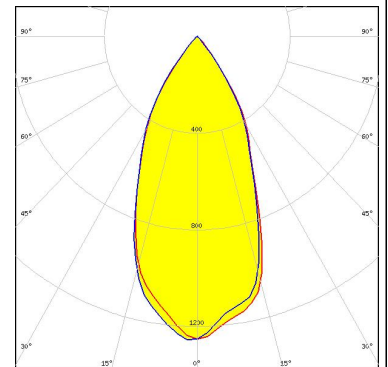
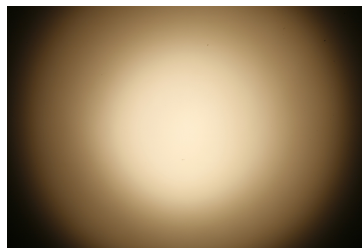
CITIZEN

LED CLU730/731
 FWHM 49.0°
 Efficiency 93 %
 Peak intensity 1.200 cd/lm
 Required components:
 C12692_LENINA-STD-BASE-CLL040



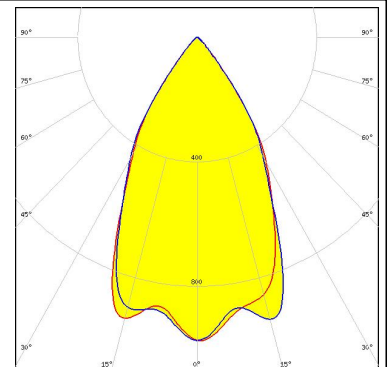
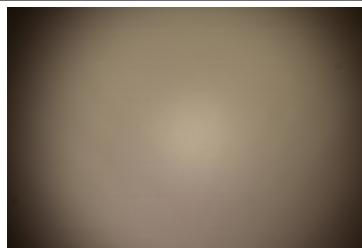
CREE

LED CXA/B 15xx
 FWHM 48.0°
 Efficiency 83 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13186_LENINA-STD-BASE-CXA15
 C12606_LENINA-DL



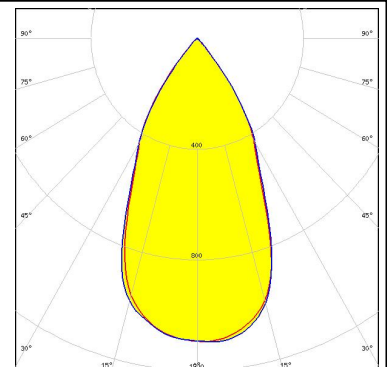
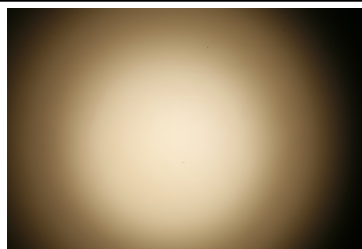
CREE

LED CXA/B 15xx
 FWHM 57.0°
 Efficiency 86 %
 Peak intensity 1.000 cd/lm
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 441 Typ L1



CREE

LED CXA/B 25xx
 FWHM 51.0°
 Efficiency 84 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13324_LENINA-STD-BASE-CXA25



PHOTOMETRIC DATA (MEASURED):

CREE 

LED CXA/B 25xx

FWHM 52.0°

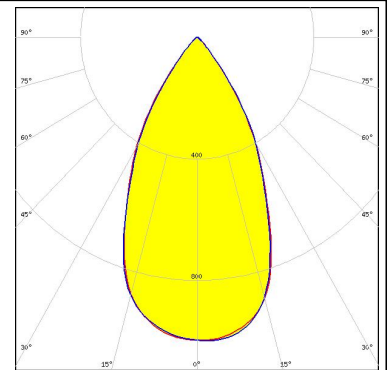
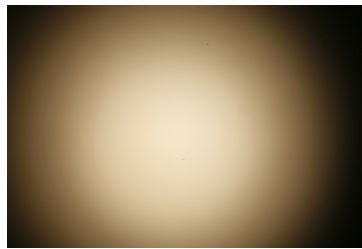
Efficiency 76 %

Peak intensity 1.100 cd/lm

Required components:

C13324_LENINA-STD-BASE-CXA25

C12606_LENINA-DL



CREE 

LED CXA2011

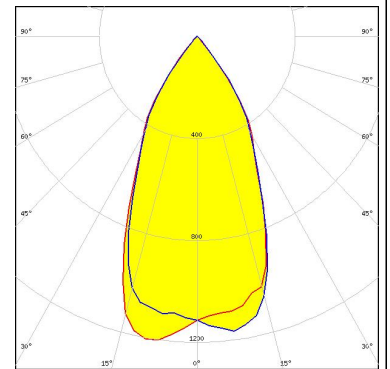
FWHM 50.0°

Efficiency 86 %

Peak intensity 1.200 cd/lm

Required components:

C12105_LENINA-STD-BASE-CXA20



CREE 

LED CXA2011

FWHM 52.0°

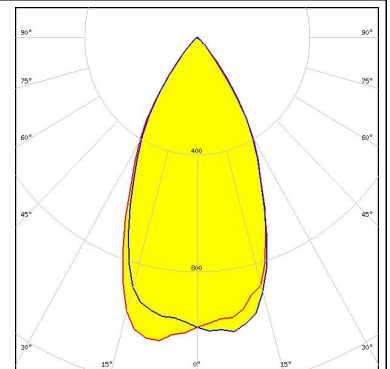
Efficiency 78 %

Peak intensity 1.000 cd/lm

Required components:

C12105_LENINA-STD-BASE-CXA20

C12606_LENINA-DL



EVERLIGHT

LED CHI3030 19W

FWHM 62.0°

Efficiency 90 %

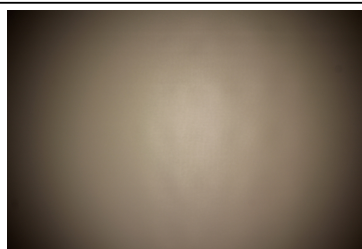
Peak intensity 0.900 cd/lm

Required components:

C13867_LENINA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 468 Typ L3



PHOTOMETRIC DATA (MEASURED):

EVERLIGHT

LED CHI3030 29W

FWHM 63.0°

Efficiency 86 %

Peak intensity 0.800 cd/lm

Required components:

C13867_LENINA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 468 Typ L3



LUMILEDS

LED LUXEON CoB 1204/1205

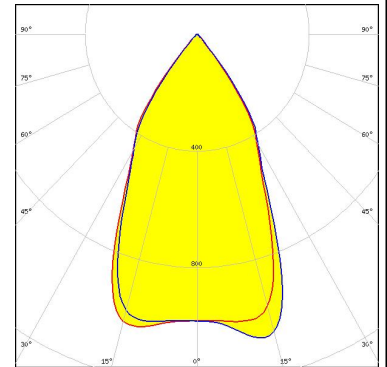
FWHM 55.0°

Efficiency 89 %

Peak intensity 1.100 cd/lm

Required components:

C12292_LENINA-STD-BASE-MEZ



LUMILEDS

LED LUXEON CoB 1204/1205

FWHM 57.0°

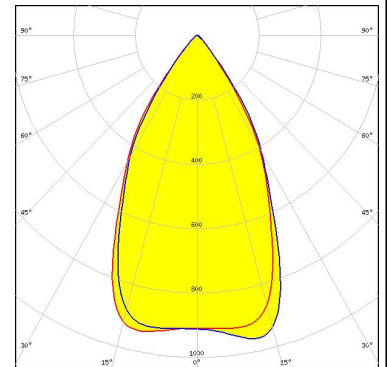
Efficiency 84 %

Peak intensity 1.000 cd/lm

Required components:

C12292_LENINA-STD-BASE-MEZ

C12606_LENINA-DL



LUMILEDS

LED LUXEON CoB 1208

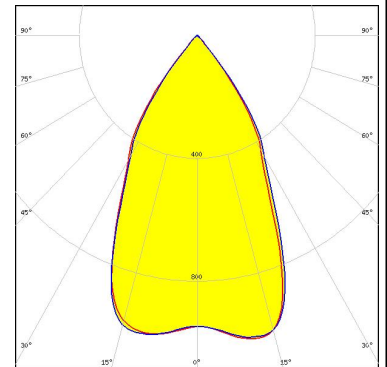
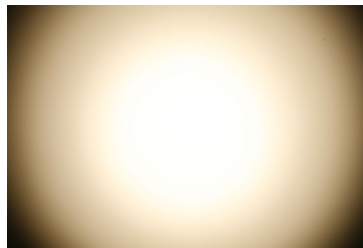
FWHM 58.0°

Efficiency 88 %

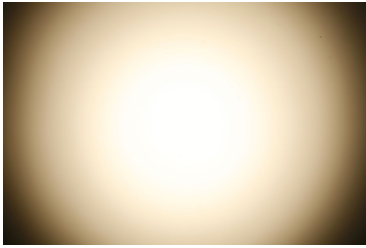
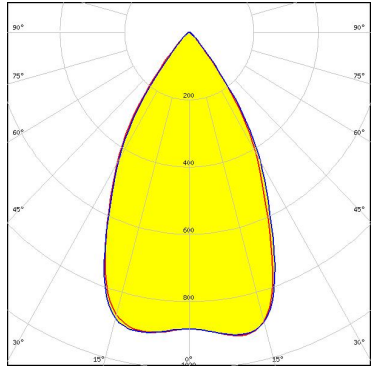
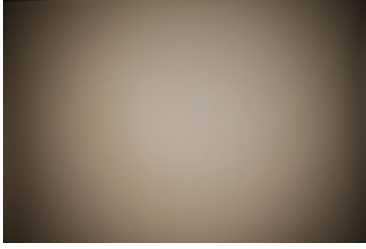
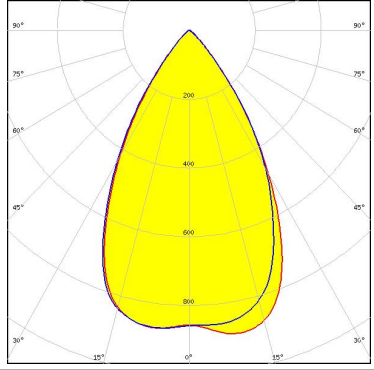
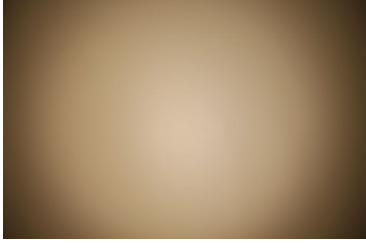
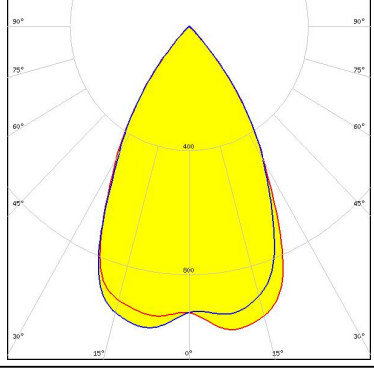
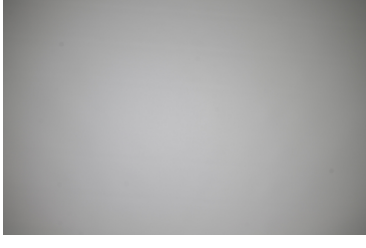
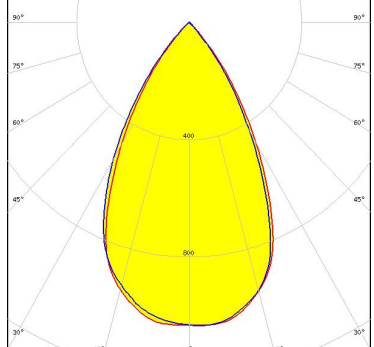
Peak intensity 1.000 cd/lm

Required components:


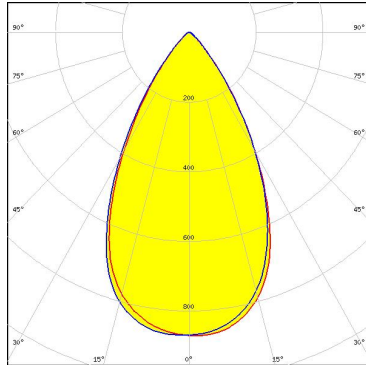

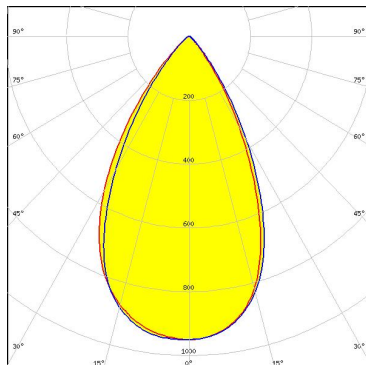

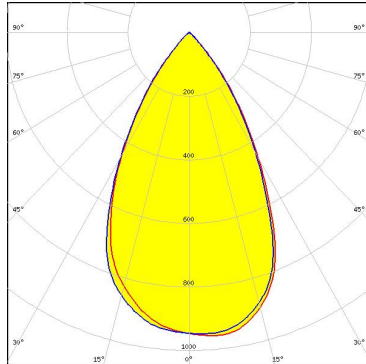
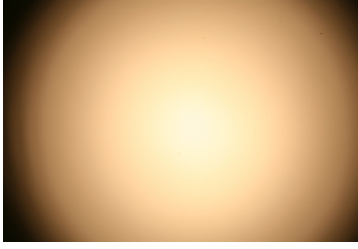
C12292_LENINA-STD-BASE-MEZ



PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1208</p> <p>FWHM 60.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components: C12292_LENINA-STD-BASE-MEZ C12606_LENINA-DL</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1211</p> <p>FWHM 60.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components: C13867_LENINA-STD-BASE-VERO29 C12606_LENINA-DL</p> <p>Bender Wirth: 431 Typ L3</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1211</p> <p>FWHM 60.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components: C13867_LENINA-STD-BASE-VERO29</p> <p>Bender Wirth: 431 Typ L3</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812</p> <p>FWHM 58.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components: C12692_LENINA-STD-BASE-CLL040</p>		

PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812</p> <p>FWHM 58.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 0.870 cd/lm</p> <p>Required components: C12606_LENINA-DL A.A.G. STUCCHI: 8102/G2 + S-8000/12</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812</p> <p>FWHM 58.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.950 cd/lm</p> <p>Required components: C12692_LENINA-STD-BASE-CLL040 C12606_LENINA-DL LEDiL: LEDiL</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812</p> <p>FWHM 58.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.960 cd/lm</p> <p>Required components: A.A.G. STUCCHI: 8102/G2 + S-8000/12</p>		
<p>LUMILEDS</p> <p>LED LUXEON K12</p> <p>FWHM 54.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: C12924_LENINA-STD-BASE-LUXEON-K</p>		

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON K12

FWHM 57.0°

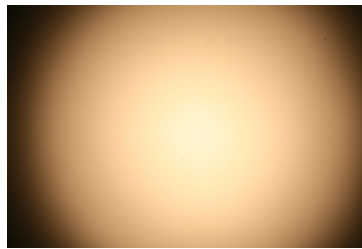
Efficiency 83 %

Peak intensity 1.000 cd/lm

Required components:

C12924_LENINA-STD-BASE-LUXEON-K

C12606_LENINA-DL



LUMILEDS

LED LUXEON K16

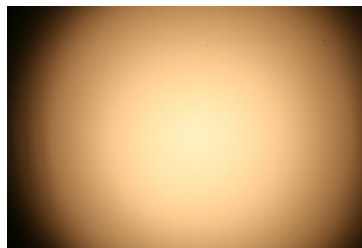
FWHM 55.0°

Efficiency 85 %

Peak intensity 1.050 cd/lm

Required components:

C12924_LENINA-STD-BASE-LUXEON-K



LUMILEDS

LED LUXEON K16

FWHM 56.0°

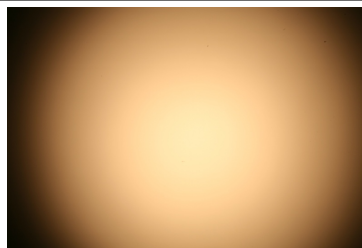
Efficiency 79 %

Peak intensity 0.900 cd/lm

Required components:

C12924_LENINA-STD-BASE-LUXEON-K

C12606_LENINA-DL



LUMINUS

LED CXM-14

FWHM 58.0°

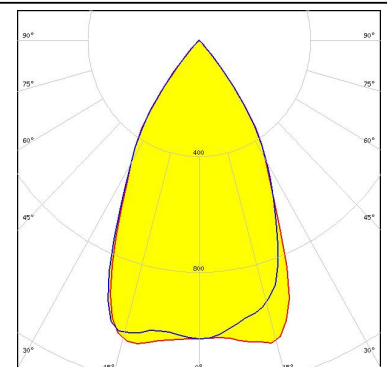
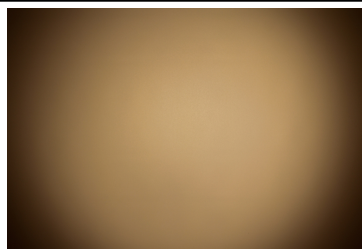
Efficiency 92 %

Peak intensity 1.100 cd/lm

Required components:

C12691_LENINA-STD-BASE-CLL030

LEDiL: LEDiL



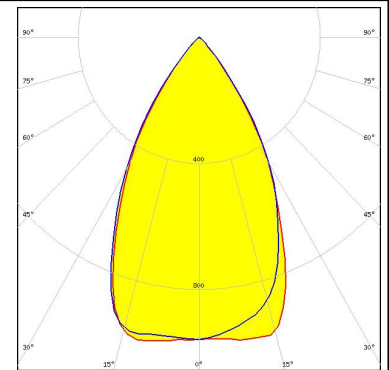
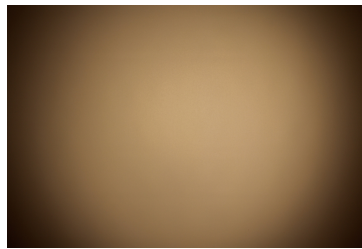
PHOTOMETRIC DATA (MEASURED):



LED CXM-14
 FWHM 59.0°
 Efficiency 88 %
 Peak intensity 1.000 cd/lm

Required components:

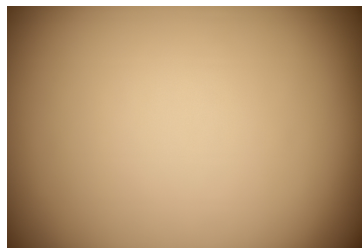
- C12691_LENINA-STD-BASE-CLL030
- C12606_LENINA-DL
- LEDiL: LEDiL



LED CXM-22
 FWHM 58.0°
 Efficiency 92 %
 Peak intensity 1.100 cd/lm

Required components:

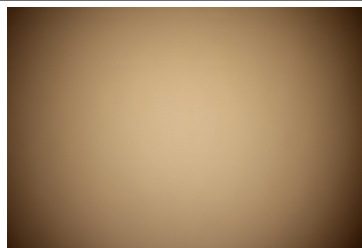
- C12692_LENINA-STD-BASE-CLL040
- LEDiL: LEDiL



LED CXM-22
 FWHM 58.0°
 Efficiency 87 %
 Peak intensity 1.000 cd/lm

Required components:

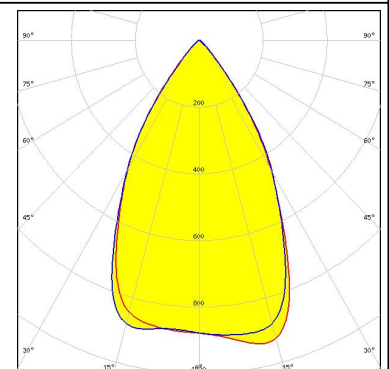
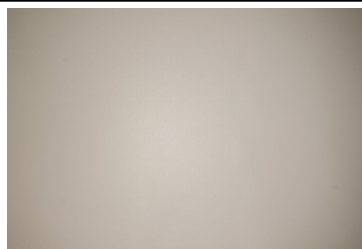
- C12692_LENINA-STD-BASE-CLL040
- C12606_LENINA-DL
- LEDiL: LEDiL



LED COB J-Type
 FWHM 59.0°
 Efficiency 87 %
 Peak intensity 1.000 cd/lm

Required components:

- C13868_LENINA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 463 Typ L2



PHOTOMETRIC DATA (MEASURED):



LED COB J-Type

FWHM 59.0°

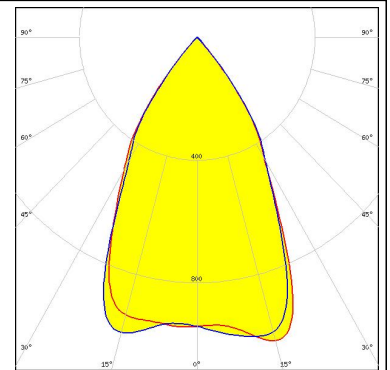
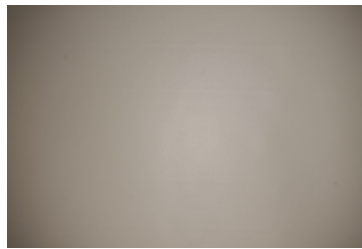
Efficiency 91 %

Peak intensity 1.100 cd/lm

Required components:

C13868_LENINA-STD-BASE-VERO13-18

Bender Wirth: 463 Typ L2



LED COB J-Type

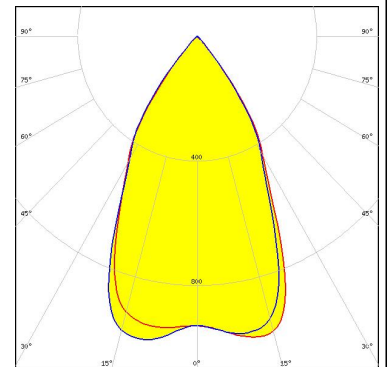
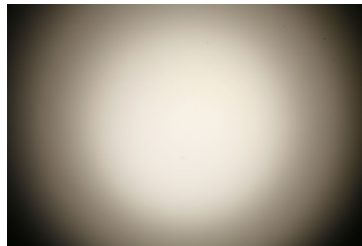
FWHM 58.0°

Efficiency 86 %

Peak intensity 1.010 cd/lm

Required components:

C12292_LENINA-STD-BASE-MEZ



LED COB J-Type

FWHM 59.0°

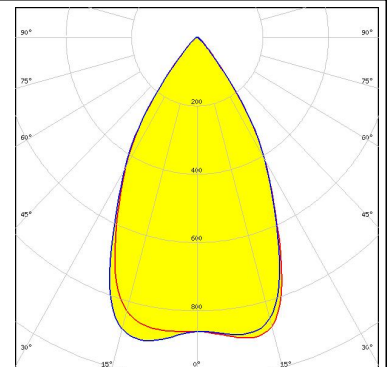
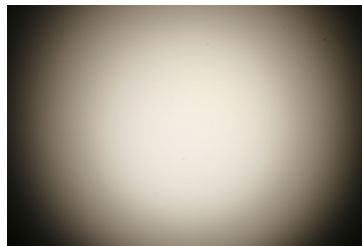
Efficiency 82 %

Peak intensity 0.910 cd/lm

Required components:

C12292_LENINA-STD-BASE-MEZ

C12606_LENINA-DL



LED COB L-Type (LES 11)

FWHM 58.0°

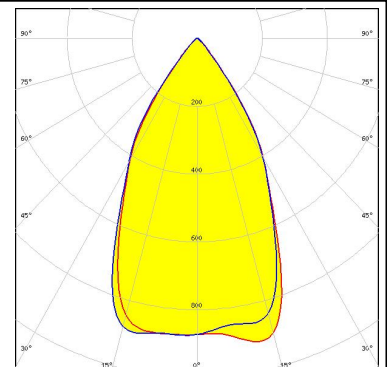
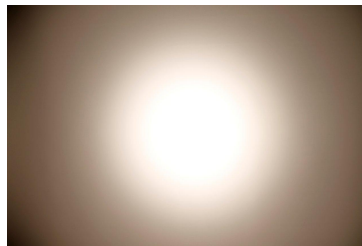
Efficiency 80 %

Peak intensity 0.900 cd/lm

Required components:

C11981_LENINA-STD-BASE-COB-L110

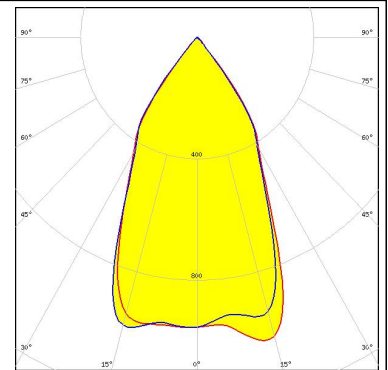
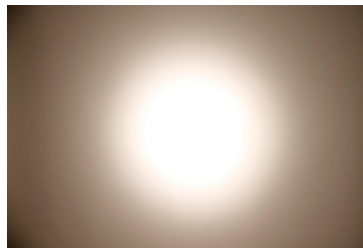
C12606_LENINA-DL



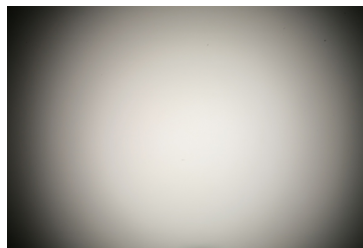
PHOTOMETRIC DATA (MEASURED):



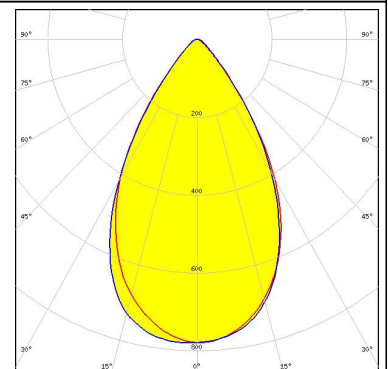
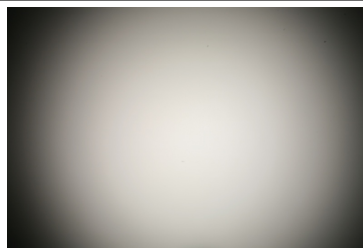
LED COB L-Type (LES 11)
 FWHM 56.0°
 Efficiency 85 %
 Peak intensity 1.000 cd/lm
 Required components:
 C11981_LENINA-STD-BASE-COB-L110



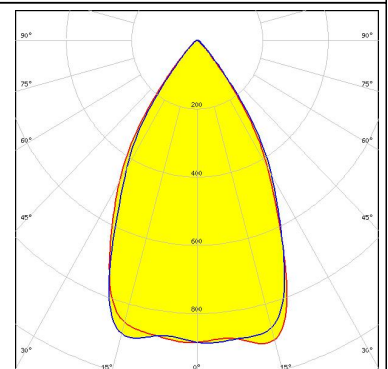
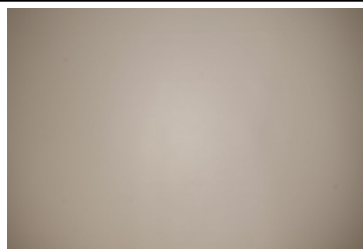
LED Soleriq E30
 FWHM 64.0°
 Efficiency 87 %
 Peak intensity 0.900 cd/lm
 Required components:
 C13088_LENINA-STD-BASE-E30



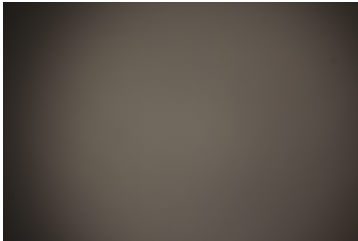
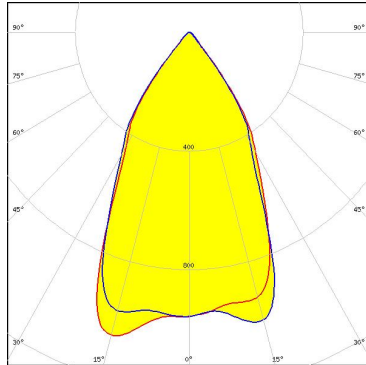
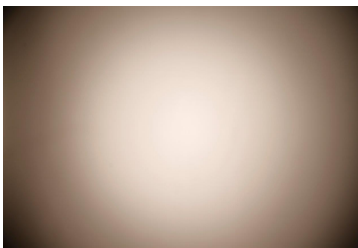
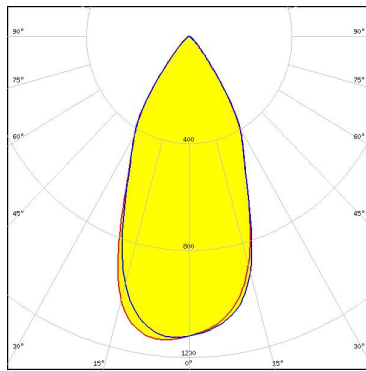
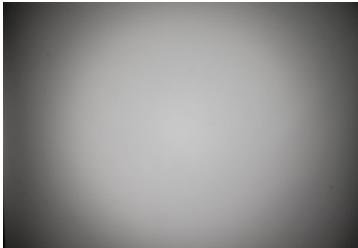
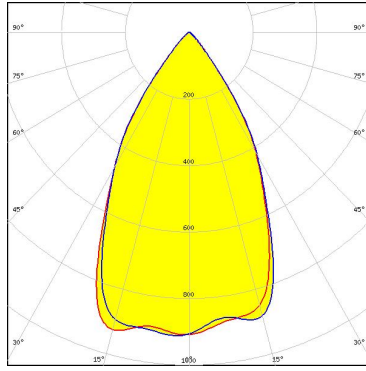

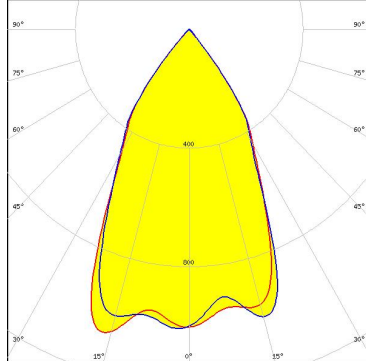
LED Soleriq E30
 FWHM 61.0°
 Efficiency 80 %
 Peak intensity 0.800 cd/lm
 Required components:
 C13088_LENINA-STD-BASE-E30
 C12606_LENINA-DL



LED Soleriq P13
 FWHM 60.0°
 Efficiency 87 %
 Peak intensity 0.940 cd/lm
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 437 Typ L1



PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq P13 FWHM 56.0° Efficiency 93 % Peak intensity 1.100 cd/lm Required components: C13868_LENINA-STD-BASE-VERO13-18 Bender Wirth: 437 Typ L1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq P13 FWHM 48.0° Efficiency 85 % Peak intensity 1.150 cd/lm Required components: C12606_LENINA-DL IDEAL: 50-2101CR + 50-2100LN</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 FWHM 59.0° Efficiency 86 % Peak intensity 0.940 cd/lm Required components: C13868_LENINA-STD-BASE-VERO13-18 C12606_LENINA-DL Bender Wirth: 437 Typ L1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 FWHM 56.0° Efficiency 90 % Peak intensity 1.100 cd/lm Required components: C13868_LENINA-STD-BASE-VERO13-18 Bender Wirth: 437 Typ L1</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq S19

FWHM 60.0°

Efficiency 87 %

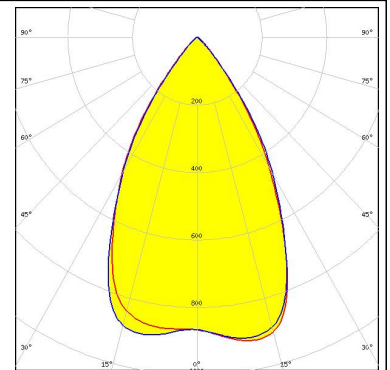
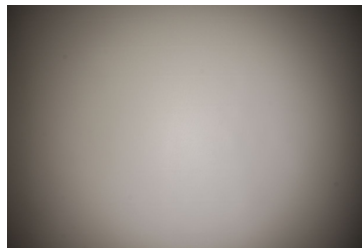
Peak intensity 0.930 cd/lm

Required components:

C13867_LENINA-STD-BASE-VERO29

C12606_LENINA-DL

Bender Wirth: 462 Typ L3



OSRAM
Opto Semiconductors

LED Soleriq S19

FWHM 60.0°

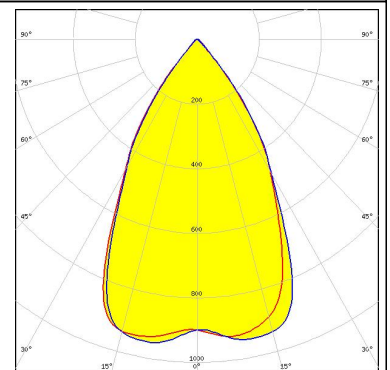
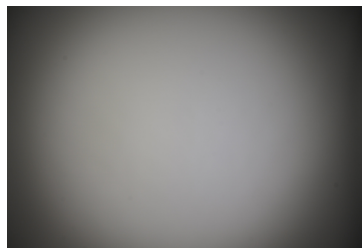
Efficiency 92 %

Peak intensity 1.000 cd/lm

Required components:

C13867_LENINA-STD-BASE-VERO29

Bender Wirth: 462 Typ L3



SAMSUNG

LED COB D Series LES 14.5 mm

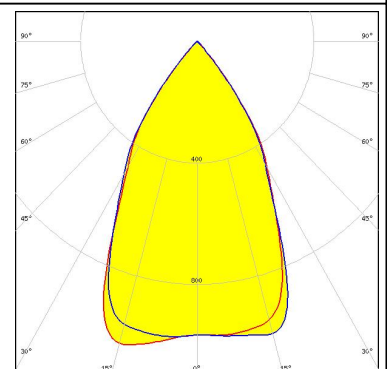
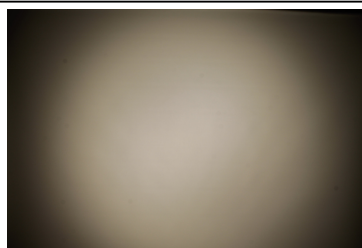
FWHM 57.0°

Efficiency 91 %

Peak intensity 1.000 cd/lm

Required components:

C12691_LENINA-STD-BASE-CLL030



SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 59.0°

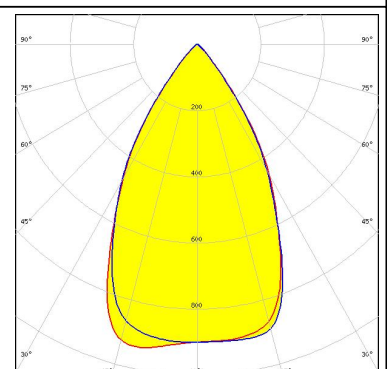
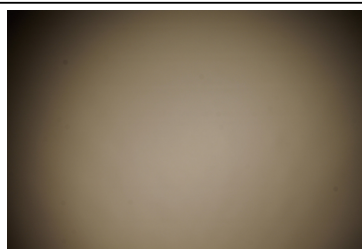
Efficiency 87 %

Peak intensity 0.950 cd/lm

Required components:

C12691_LENINA-STD-BASE-CLL030

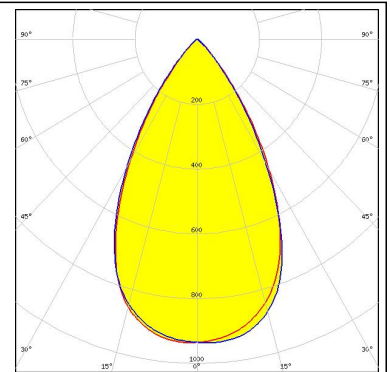
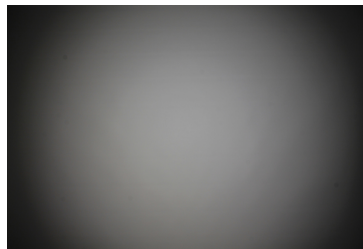
C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

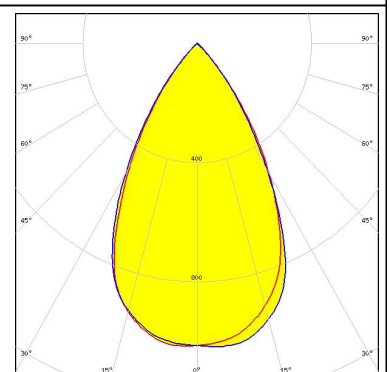
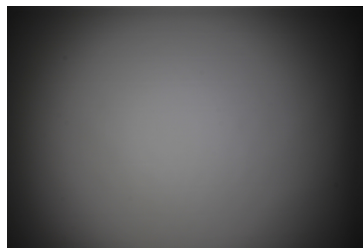
SAMSUNG

LED COB D Series LES 22 mm
 FWHM 59.0°
 Efficiency 86 %
 Peak intensity 0.940 cd/lm
 Required components:
 C12692_LENINA-STD-BASE-CLL040
 C12606_LENINA-DL



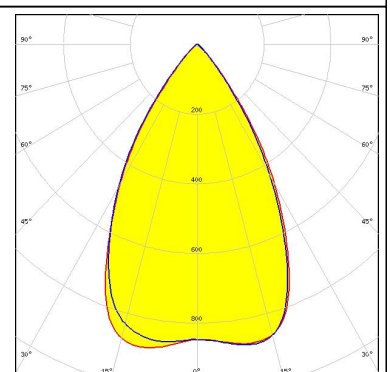
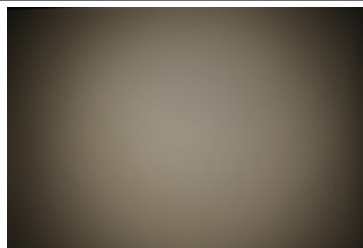
SAMSUNG

LED COB D Series LES 22 mm
 FWHM 59.0°
 Efficiency 91 %
 Peak intensity 1.000 cd/lm
 Required components:
 C12692_LENINA-STD-BASE-CLL040



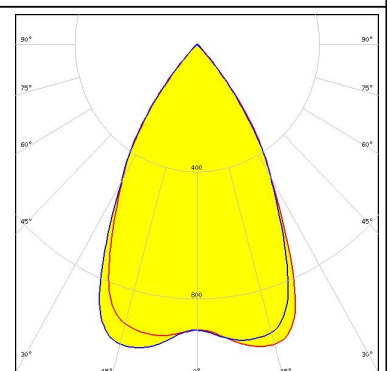
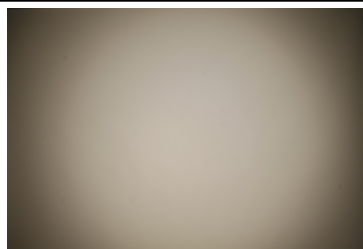
SAMSUNG

LED LC026B / 033B / 040B
 FWHM 61.0°
 Efficiency 86 %
 Peak intensity 0.890 cd/lm
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 C12606_LENINA-DL
 Bender Wirth: 450 Typ L2


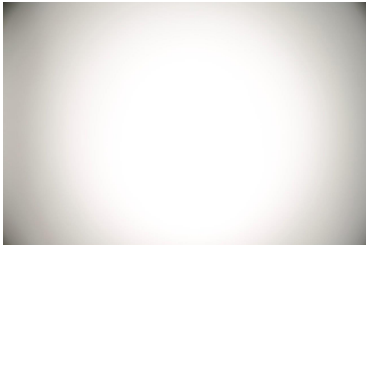
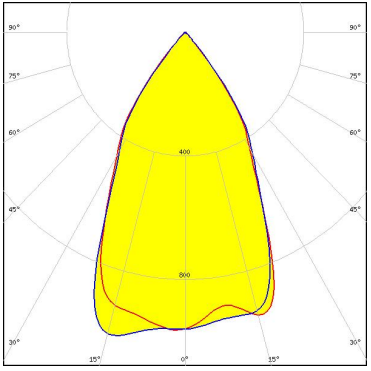


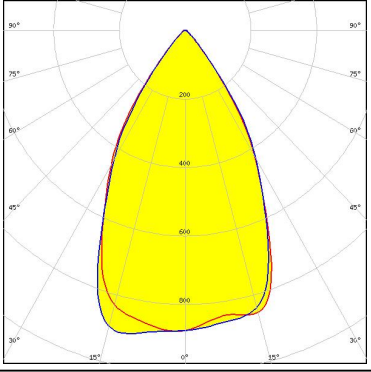


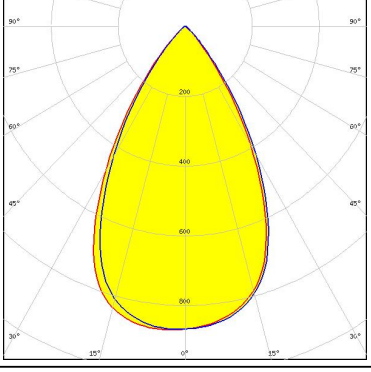


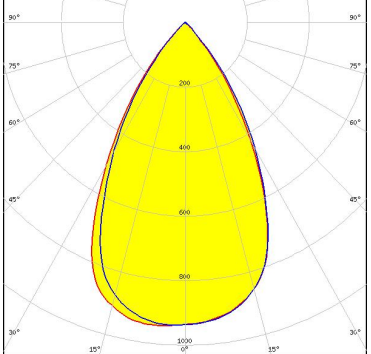


SAMSUNG

LED LC026B / 033B / 040B
 FWHM 61.0°
 Efficiency 91 %
 Peak intensity 0.980 cd/lm
 Required components:
 C13868_LENINA-STD-BASE-VERO13-18
 Bender Wirth: 450 Typ L2



PHOTOMETRIC DATA (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED ZC12/18</p> <p>FWHM 57.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.020 cd/lm</p> <p>Required components: C12691_LENINA-STD-BASE-CLL030</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED ZC12/18</p> <p>FWHM 59.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.910 cd/lm</p> <p>Required components: C12691_LENINA-STD-BASE-CLL030 C12606_LENINA-DL</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED ZC25/40/60</p> <p>FWHM 60.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components: C12692_LENINA-STD-BASE-CLL040 C12606_LENINA-DL</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED ZC25/40/60</p> <p>FWHM 60.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components: C12692_LENINA-STD-BASE-CLL040</p>		

PHOTOMETRIC DATA (MEASURED):

SHARP

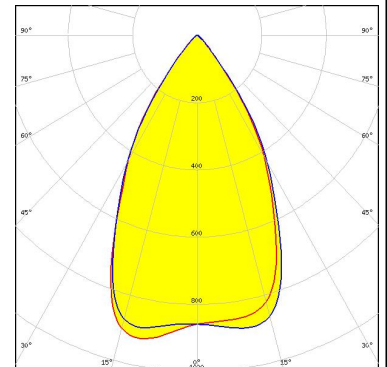
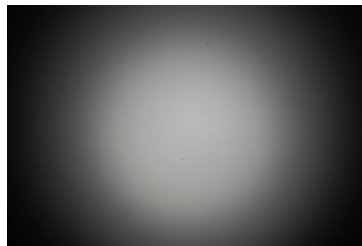
LED Mega Zenigata (GW5DGC)
FWHM 41.0°
Efficiency 86 %
Peak intensity cd/lm
Required components:
C12292_LENINA-STD-BASE-MEZ

SHARP

LED Mega Zenigata (GW5DGC)
FWHM 45.0°
Efficiency 78 %
Peak intensity cd/lm
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL

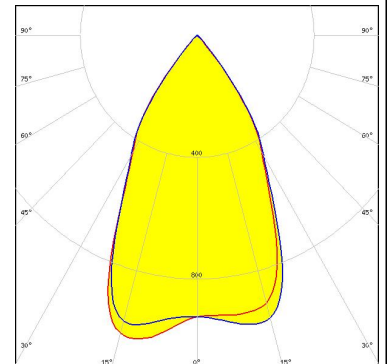
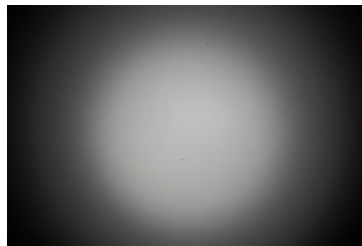
SHARP

LED Mega Zenigata (GW6DME)
FWHM 59.0°
Efficiency 83 %
Peak intensity 0.940 cd/lm
Required components:
C12292_LENINA-STD-BASE-MEZ
C12606_LENINA-DL



SHARP

LED Mega Zenigata (GW6DME)
FWHM 57.0°
Efficiency 87 %
Peak intensity 1.050 cd/lm
Required components:
C12292_LENINA-STD-BASE-MEZ



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G5 LES15

FWHM 59.0°

Efficiency 87 %

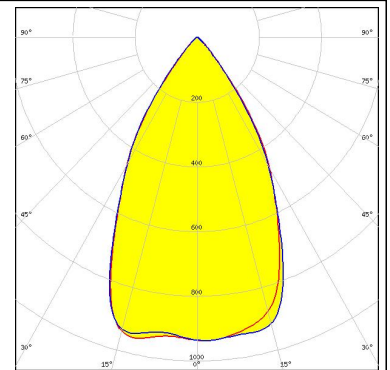
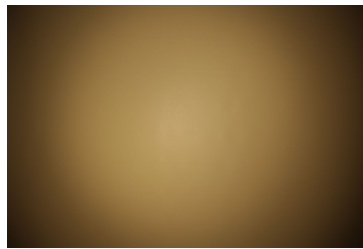
Peak intensity 0.960 cd/lm

Required components:

C12691_LENINA-STD-BASE-CLL030

C12606_LENINA-DL

LEDiL: LEDiL



TRIDONIC

LED SLE G5 LES15

FWHM 57.0°

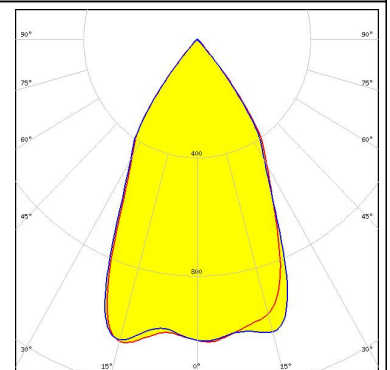
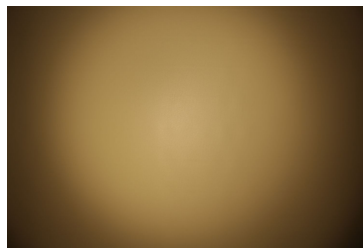
Efficiency 92 %

Peak intensity 1.100 cd/lm

Required components:

C12691_LENINA-STD-BASE-CLL030

LEDiL: LEDiL



TRIDONIC

LED STARK SLE PURE G3 LES17

FWHM 60.0°

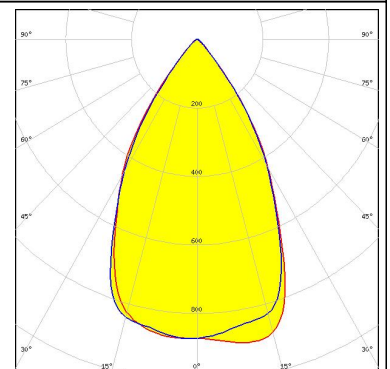
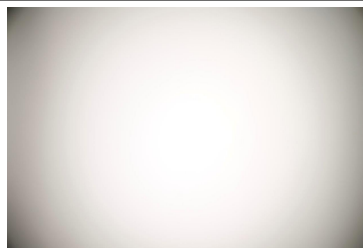
Efficiency 84 %

Peak intensity 0.904 cd/lm

Required components:

C12691_LENINA-STD-BASE-CLL030

C12606_LENINA-DL



TRIDONIC

LED STARK SLE PURE G3 LES17

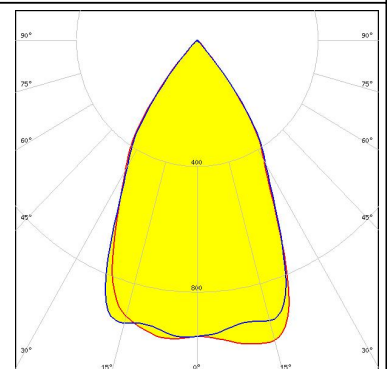
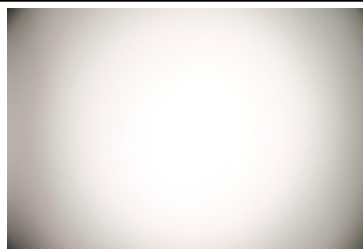
FWHM 58.0°

Efficiency 89 %

Peak intensity 1.000 cd/lm

Required components:


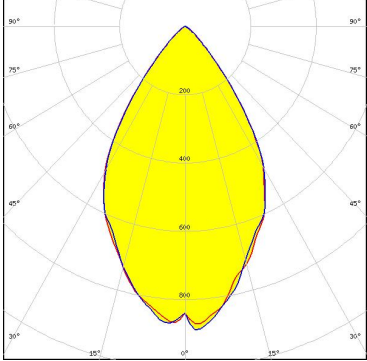

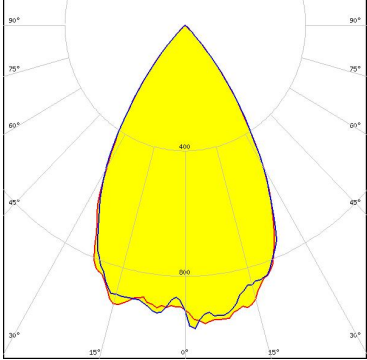

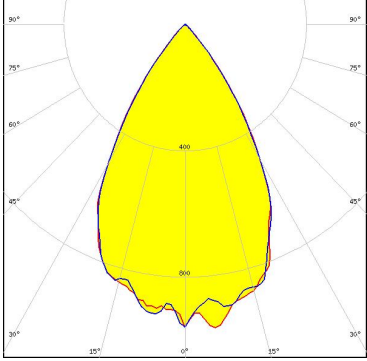

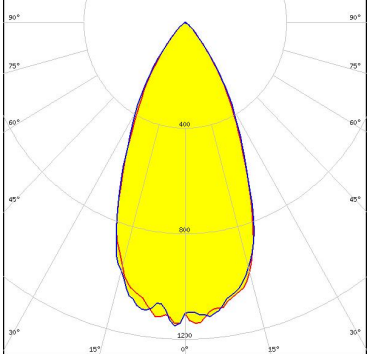
C12691_LENINA-STD-BASE-CLL030



PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM 55.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.060 cd/lm</p> <p>Required components:</p> <p>C13868_LENINA-STD-BASE-VERO13-18</p> <p>C12606_LENINA-DL</p> <p>Bender Wirth: 434 Typ L1</p>	
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 50.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components:</p> <p>C13868_LENINA-STD-BASE-VERO13-18</p> <p>Bender Wirth: 477 Typ L1</p>	
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 46.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.280 cd/lm</p> <p>Required components:</p> <p>IDEAL: 50-2103CT + 50-2100AN</p>	
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 48.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components:</p> <p>C12606_LENINA-DL</p> <p>IDEAL: 50-2103CT + 50-2100AN</p>	

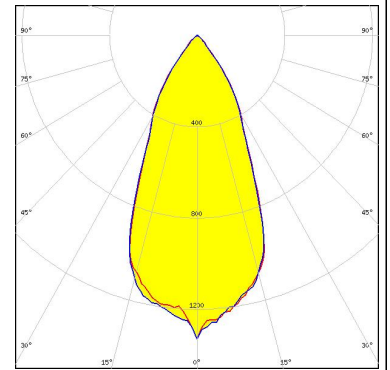
PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux</p> <p>LED V13 Gen7 FWHM 63.0° Efficiency 87 % Peak intensity 0.900 cd/lm</p> <p>Required components: C13868_LENINA-STD-BASE-VERO13-18 C12606_LENINA-DL Bender Wirth: 477 Typ L1</p>	
<p> bridgelux</p> <p>LED V22 Gen7 FWHM 61.0° Efficiency 90 % Peak intensity 1.014 cd/lm</p> <p>Required components: C13867_LENINA-STD-BASE-VERO29 Bender Wirth: 431 Typ L3</p>	
<p> bridgelux</p> <p>LED V22 Gen7 FWHM 61.0° Efficiency 87 % Peak intensity 1.041 cd/lm</p> <p>Required components: C13867_LENINA-STD-BASE-VERO29 C12606_LENINA-DL Bender Wirth: 431 Typ L3</p>	
<p> CREE</p> <p>LED CXA/B 30xx FWHM 49.0° Efficiency 84 % Peak intensity 1.200 cd/lm</p> <p>Required components: C12606_LENINA-DL IDEAL: 50-2234C + 50-2100LN</p>	

PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 30xx
FWHM 46.0°
Efficiency 89 %
Peak intensity 1.300 cd/lm
Required components:
IDEAL: 50-2234C + 50-2100LN



LED CXM-14
FWHM 57.0°
Efficiency 90 %
Peak intensity 1.000 cd/lm
Required components:
C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 433 Typ L1



LED CXM-14
FWHM 60.0°
Efficiency 86 %
Peak intensity 0.950 cd/lm
Required components:
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 433 Typ L1



LED CXM-9
FWHM 54.0°
Efficiency 90 %
Peak intensity 1.100 cd/lm
Required components:
C13868_LENINA-STD-BASE-VERO13-18

PHOTOMETRIC DATA (SIMULATED):



LED CXM-9
FWHM 57.0°
Efficiency 86 %
Peak intensity 0.980 cd/lm

Required components:

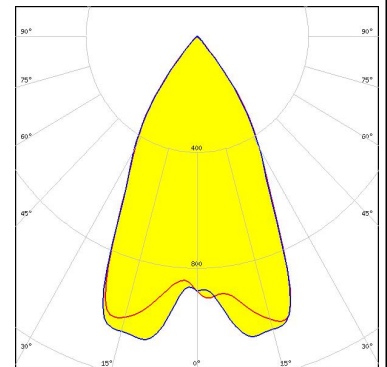
C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 434 Typ L1



LED Soleriq S15
FWHM 56.0°
Efficiency 90 %
Peak intensity 1.068 cd/lm

Required components:

C12691_LENINA-STD-BASE-CLL030



SEOUL SEMICONDUCTOR

LED ZC12/18
FWHM 57.0°
Efficiency 90 %
Peak intensity 1.000 cd/lm

Required components:

C13868_LENINA-STD-BASE-VERO13-18
Bender Wirth: 433 Typ L1



SEOUL SEMICONDUCTOR

LED ZC12/18
FWHM 60.0°
Efficiency 86 %
Peak intensity 0.950 cd/lm

Required components:

C13868_LENINA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 433 Typ L1

PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM	54.0°
Efficiency	90 %
Peak intensity	1.100 cd/lm
Required components:	
C13868_LENINA-STD-BASE-VERO13-18	
Bender Wirth: 434 Typ L1	
<hr/>	
 SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM	57.0°
Efficiency	86 %
Peak intensity	0.980 cd/lm
Required components:	
C13868_LENINA-STD-BASE-VERO13-18	
C12606_LENINA-DL	
Bender Wirth: 434 Typ L1	

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

www.ledil.com/where_to_buy

Shipping locations

Salo, Finland
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