LENINA-XW

White version with ~75° wide beam



TECHNICAL SPECIFICATIONS:

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

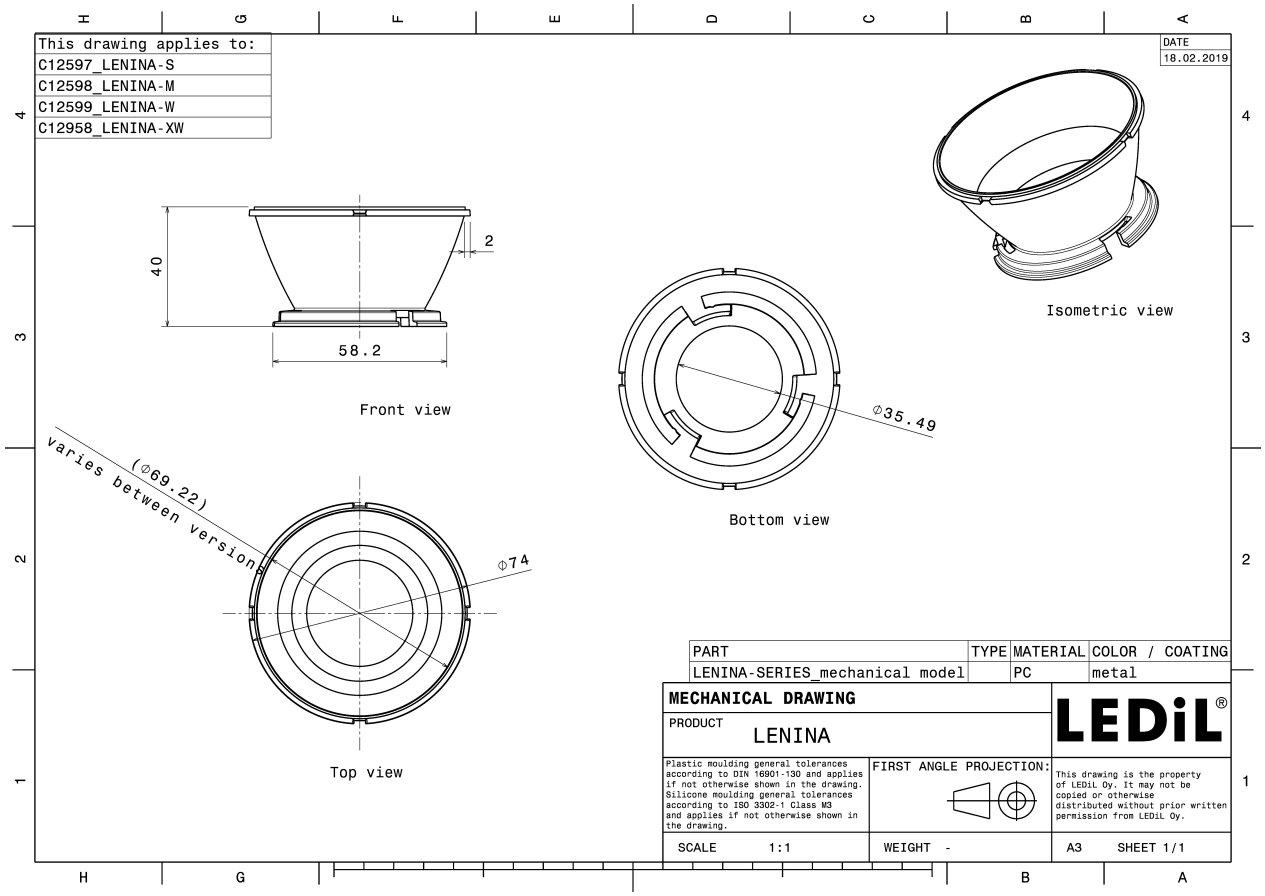
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
LENINA-XW	Reflector	HRPC	white		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12958_LENINA-XW » Box size: 476 x 273 x 197 mm	60	120	60	2.0

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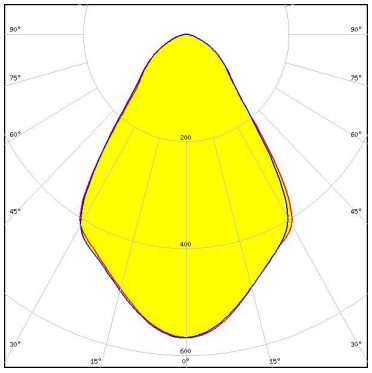
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	BXRA ES Rectangle
FWHM	73.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

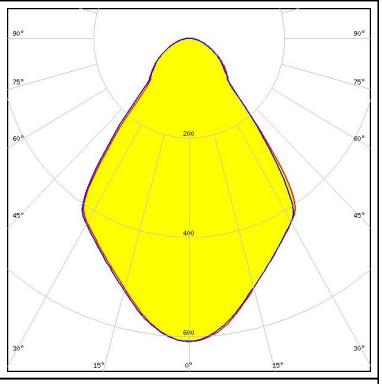
Required components:
- C12153_LENA-STD-BASE-BXRA
- C12606_LENINA-DL



bridgelux

LED	BXRA ES Rectangle
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

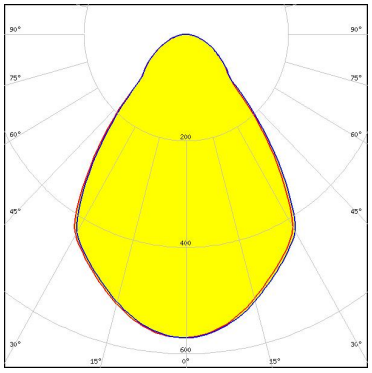
Required components:
- C12153_LENA-STD-BASE-BXRA



bridgelux

LED	BXRA RS
FWHM	76.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

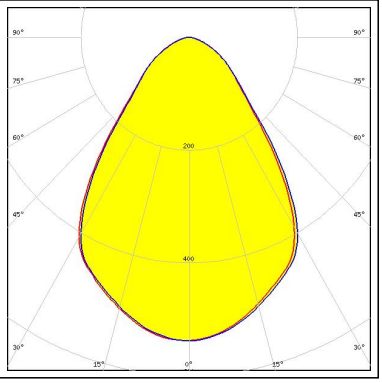
Required components:
- C12229_LENA-STD-BASE-RS



bridgelux

LED	BXRA RS
FWHM	87.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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



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PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	V10 Gen6
FWHM	69.0°
Efficiency	86 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13186_LENA-STD-BASE-CXA15
- C12606_LENINA-DL

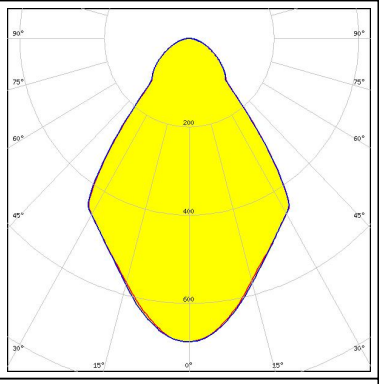


bridgelux

LED	V4 HD
FWHM	71.0°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C14146_LENA-STD-BASE-CXA18



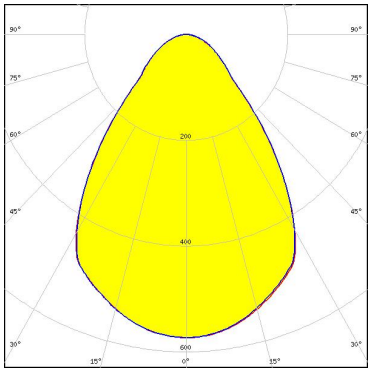


bridgelux

LED	Vero SE 29
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C15083_LENA-STD-BASE-VERO29



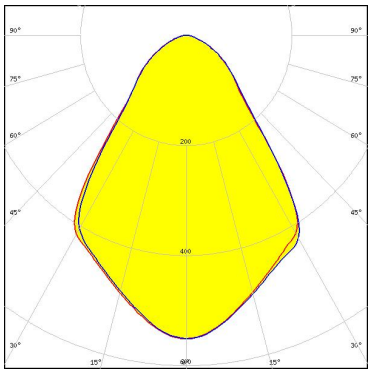


bridgelux

LED	VERO13
FWHM	75.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL





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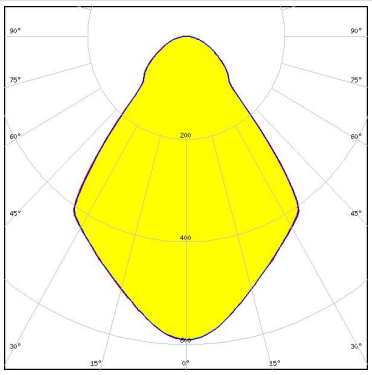
PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	VERO13
FWHM	76.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

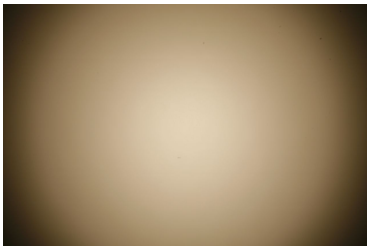


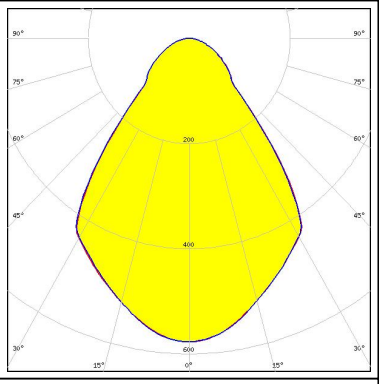


bridgelux

LED	VERO18
FWHM	76.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

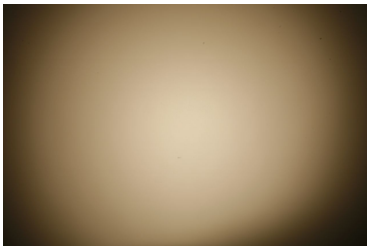


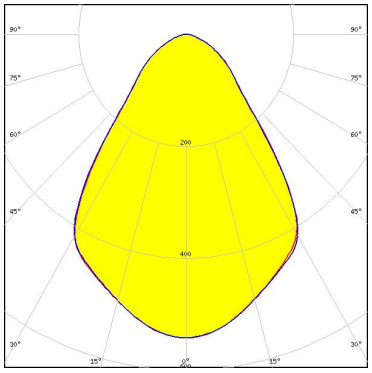


bridgelux

LED	VERO18
FWHM	75.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13868_LENA-STD-BASE-VERO13-18
C12606_LENINA-DL



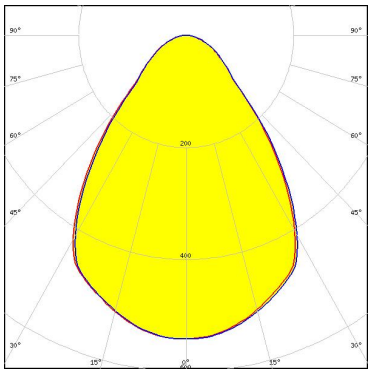


bridgelux

LED	VERO29
FWHM	77.0°
Efficiency	91 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13867_LENA-STD-BASE-VERO29





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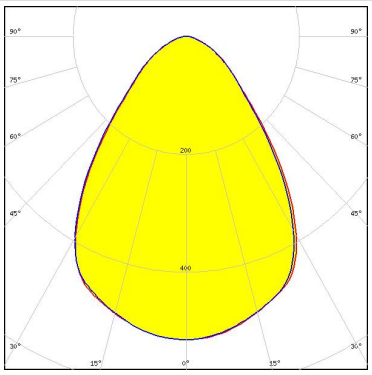
PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	VERO29
FWHM	77.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13867_LENA-STD-BASE-VERO29
- C12606_LENINA-DL

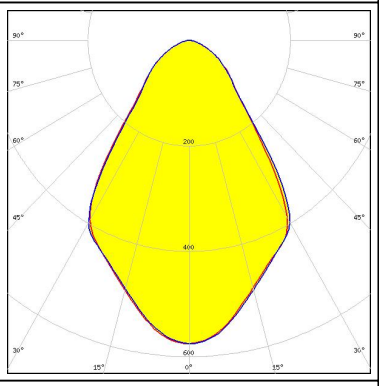




CITIZEN

LED	CL-L340
FWHM	71.0°
Efficiency	82 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

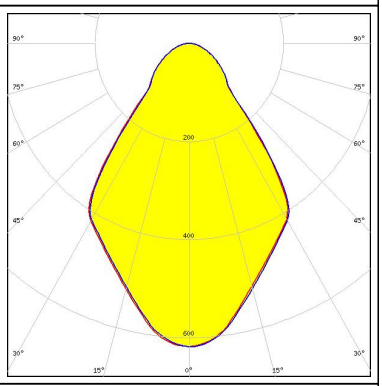
Required components:
- C11995_LENA-STD-BASE-CL340
- C12606_LENINA-DL



CITIZEN

LED	CL-L340
FWHM	72.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

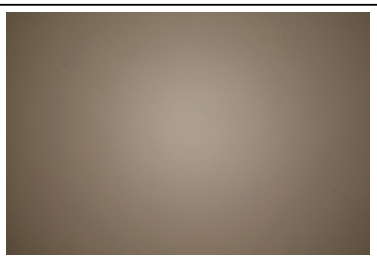
Required components:
- C11995_LENA-STD-BASE-CL340

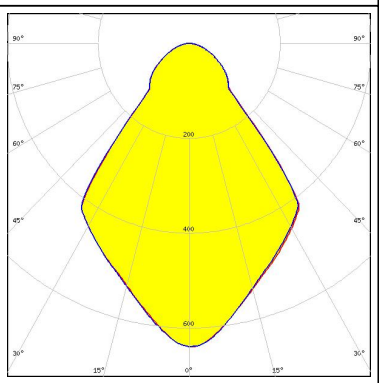


CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





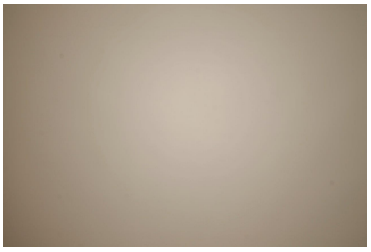
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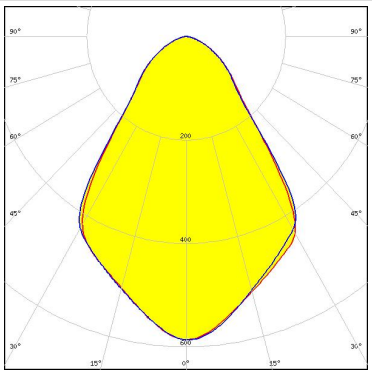
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 434 Typ L1

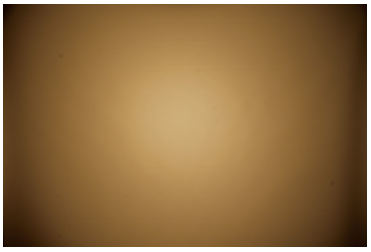


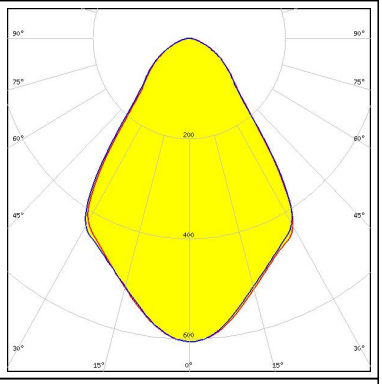


CITIZEN

LED	CLL03x/CLU03x
FWHM	72.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



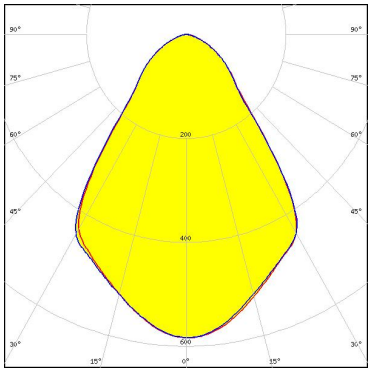


CITIZEN

LED	CLL03x/CLU03x
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 433 Typ L1



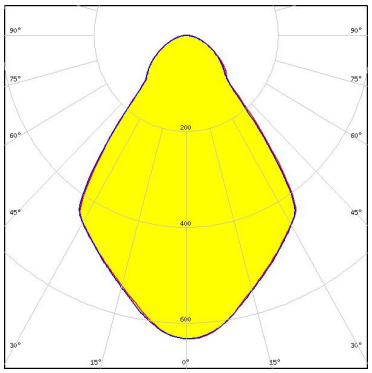


CITIZEN

LED	CLL03x/CLU03x
FWHM	74.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12691_LENA-STD-BASE-CLL030





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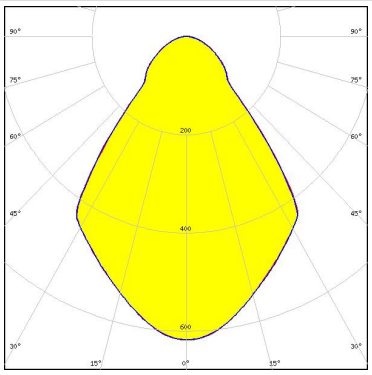
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL03x/CLU03x
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



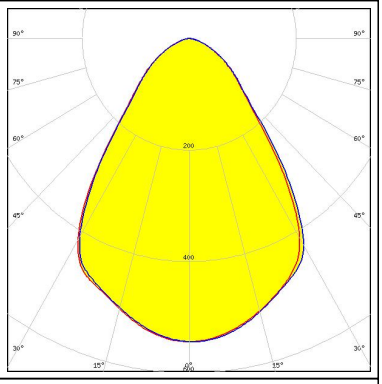


CITIZEN

LED	CLL04x/CLU04x
FWHM	75.0°
Efficiency	89 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13867_LENA-STD-BASE-VERO29
- C12606_LENINA-DL
- Bender Wirth: 431 Typ L3





CITIZEN

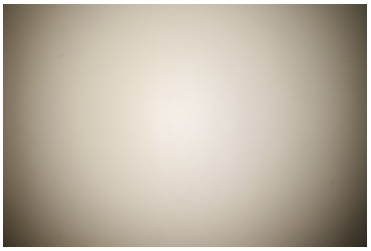
LED	CLL04x/CLU04x
FWHM	71.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

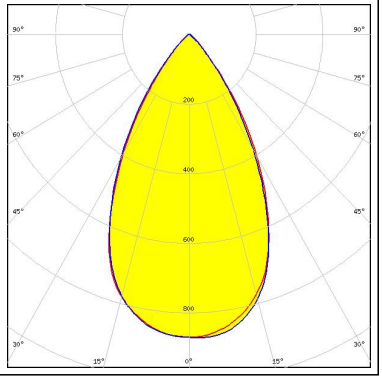
Required components:
- C12692_LENA-STD-BASE-CLL040
- C12606_LENINA-DL

CITIZEN

LED	CLL04x/CLU04x
FWHM	73.0°
Efficiency	81 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12606_LENINA-DL
- A.A.G. STUCCHI: 8102/G2 + S-8000/12





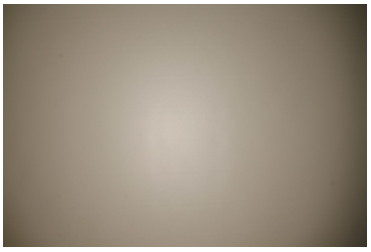
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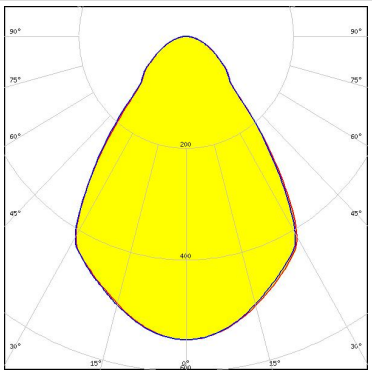
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL04x/CLU04x
FWHM	74.0°
Efficiency	84 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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

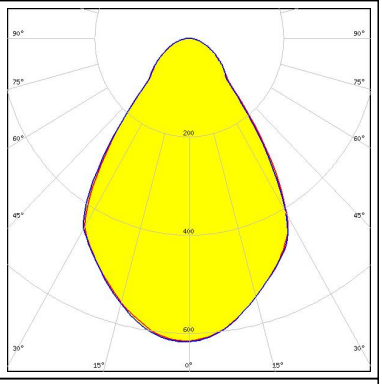




CITIZEN

LED	CLL04x/CLU04x
FWHM	71.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12692_LENA-STD-BASE-CLL040

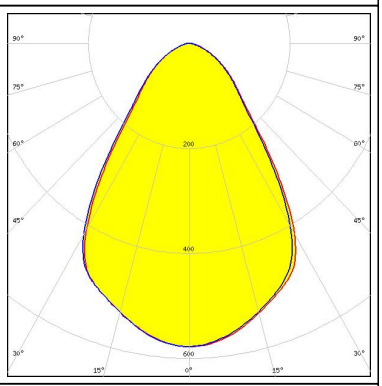


CITIZEN

LED	CLL04x/CLU04x
FWHM	71.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12606_LENINA-DL
IDEAL: 50-2204CT + 50-2100LN



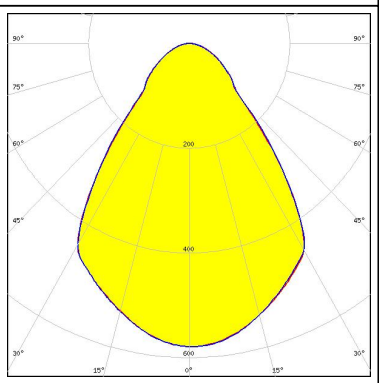


CITIZEN

LED	CLL04x/CLU04x
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 431 Typ L3





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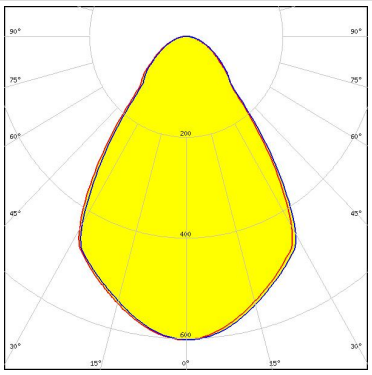
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL04x/CLU04x
FWHM	72.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



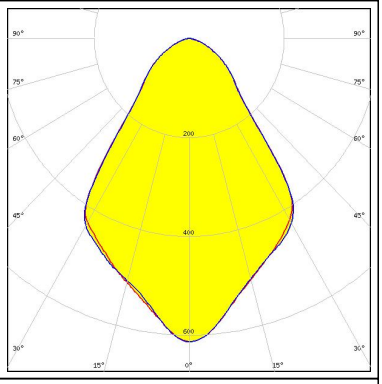


CITIZEN

LED	CLU700/701/702
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13868_LENA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 434 Typ L1



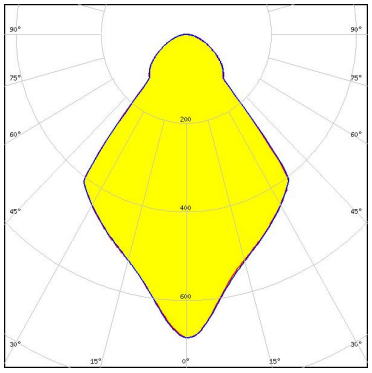


CITIZEN

LED	CLU700/701/702
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

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



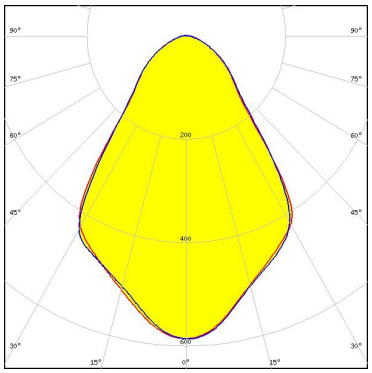


CITIZEN

LED	CLU710/711
FWHM	73.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





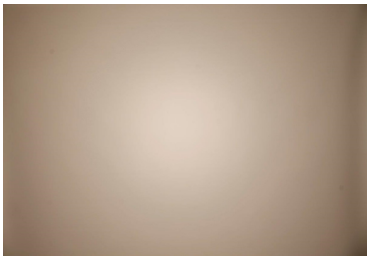
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

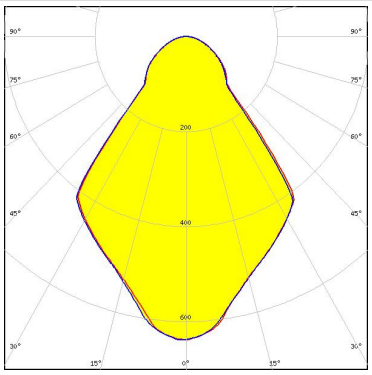
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU710/711
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030



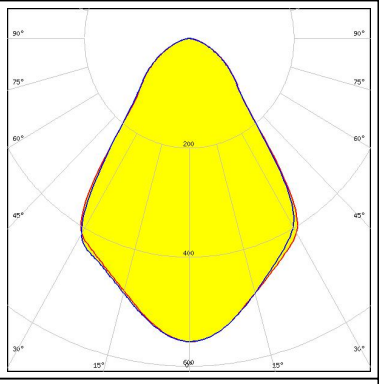


CITIZEN

LED	CLU720/721
FWHM	73.0°
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

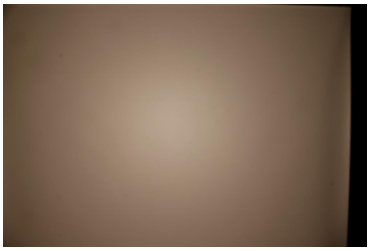


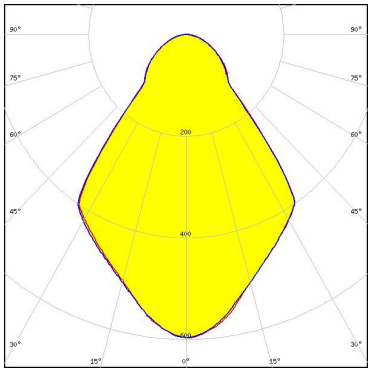


CITIZEN

LED	CLU720/721
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030

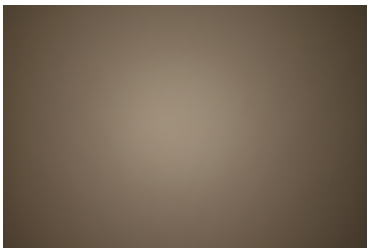


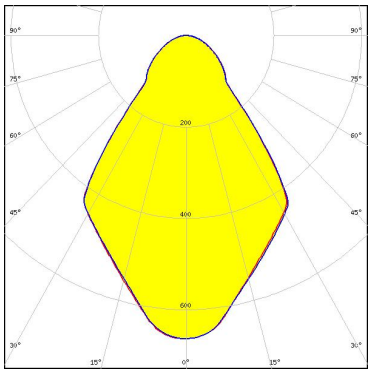


CITIZEN

LED	CLU730/731
FWHM	72.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12692_LENA-STD-BASE-CLL040





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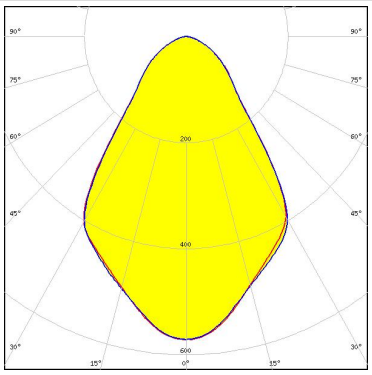
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU730/731
FWHM	71.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



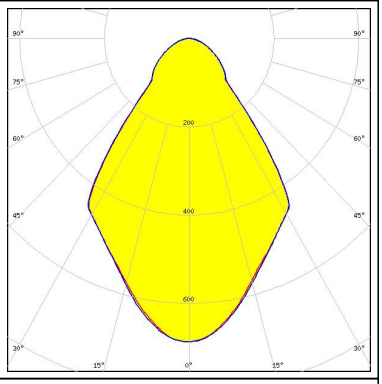


CREE

LED	CMA1840
FWHM	71.0°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C14146_LENA-STD-BASE-CXA18



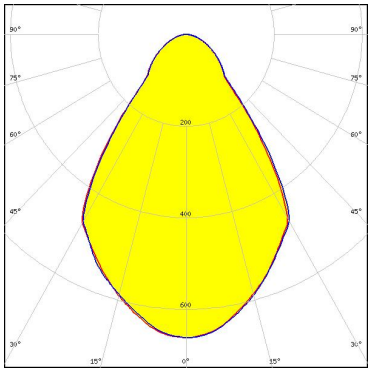


CREE

LED	CMA2550
FWHM	71.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13324_LENA-STD-BASE-CXA25



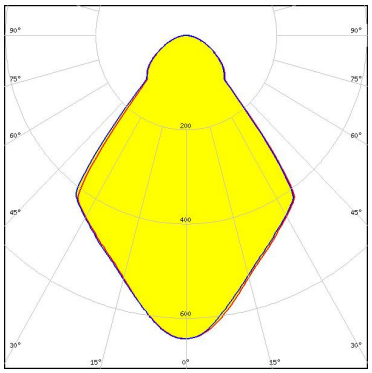


CREE

LED	CMT14xx
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

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





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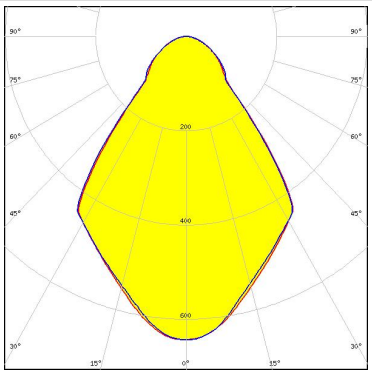
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CMT19xx
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030



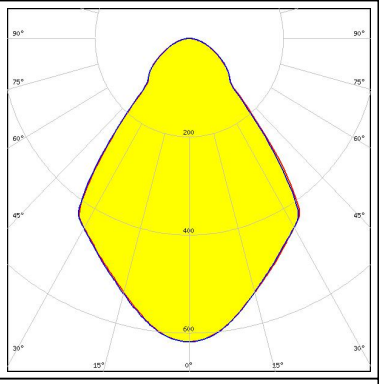


CREE

LED	CMT19xx
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 477 Typ L1



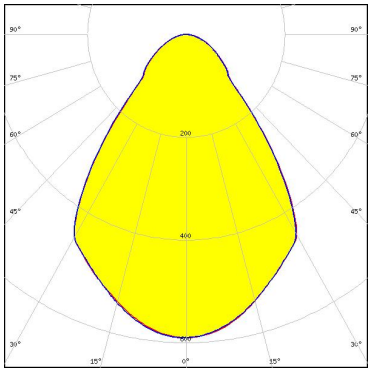


CREE

LED	CMT28xx
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 471 Typ L3



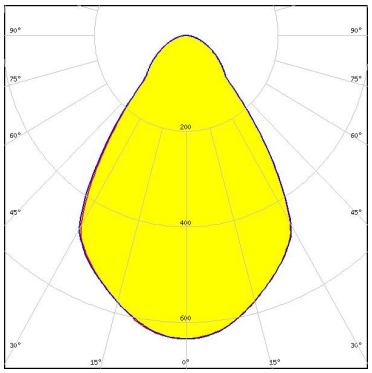


CREE

LED	CMT28xx
FWHM	72.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12692_LENA-STD-BASE-CLL040





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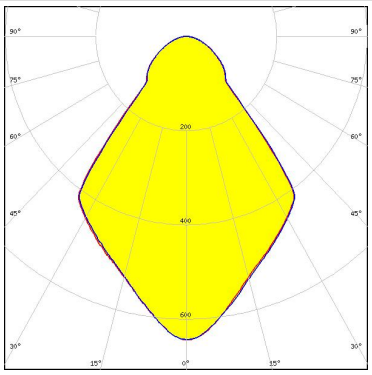
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 15xx
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



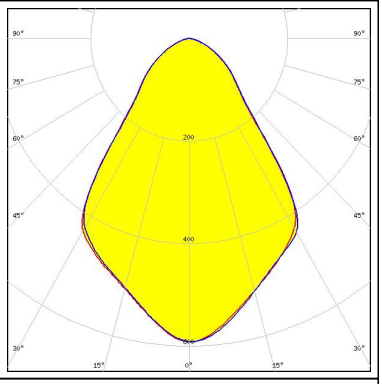


CREE

LED	CXA/B 15xx
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13868_LENA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 441 Typ L1



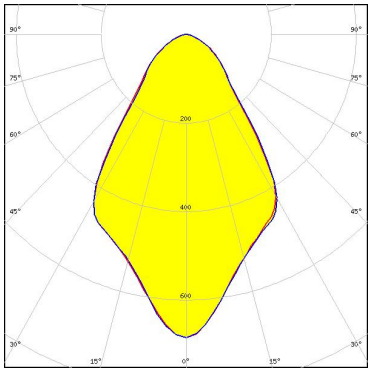


CREE

LED	CXA/B 15xx
FWHM	69.0°
Efficiency	86 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13186_LENA-STD-BASE-CXA15
C12606_LENINA-DL



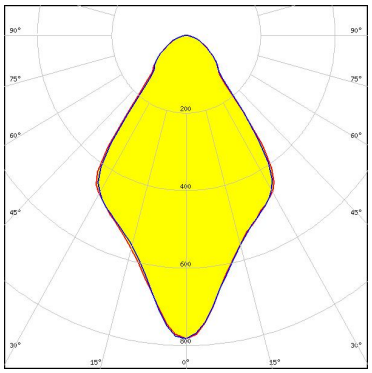


CREE

LED	CXA/B 15xx
FWHM	70.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13186_LENA-STD-BASE-CXA15





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PHOTOMETRIC DATA (MEASURED):

CREE

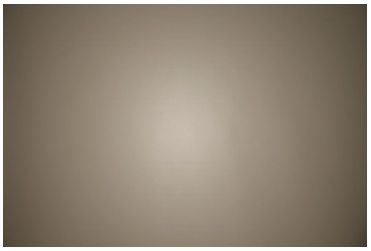
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

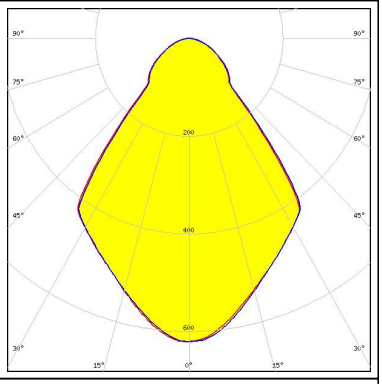
Required components:
- C14146_LENA-STD-BASE-CXA18
- C12606_LENINA-DL

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

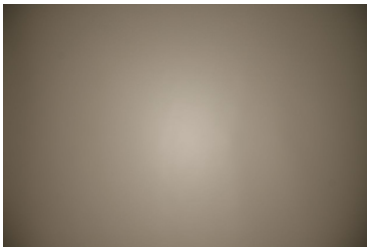


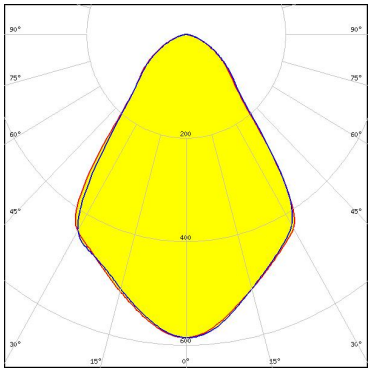


CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

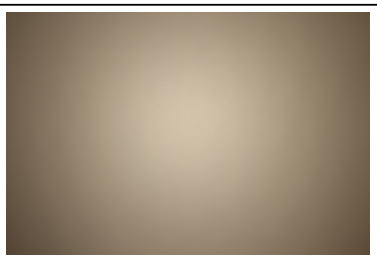




CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C14146_LENA-STD-BASE-CXA18



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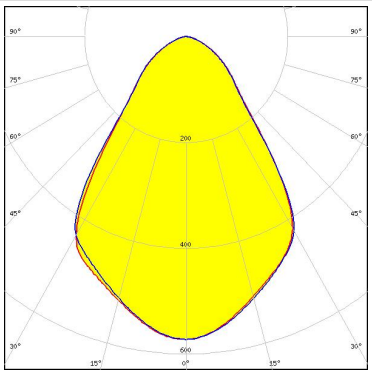
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 1830
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



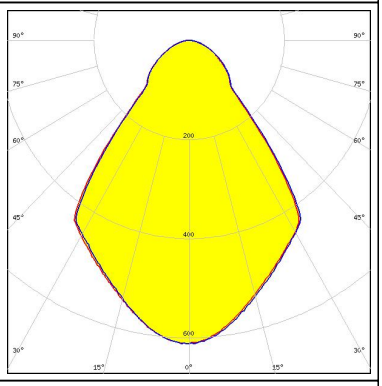


CREE

LED	CXA/B 1830
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

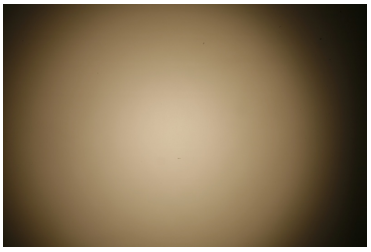


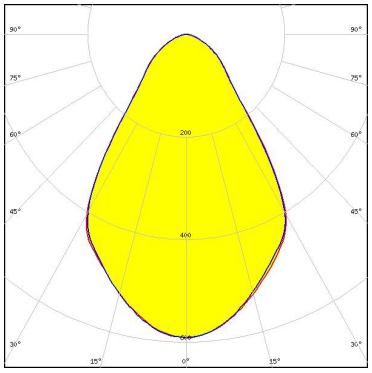


CREE

LED	CXA/B 25xx
FWHM	70.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



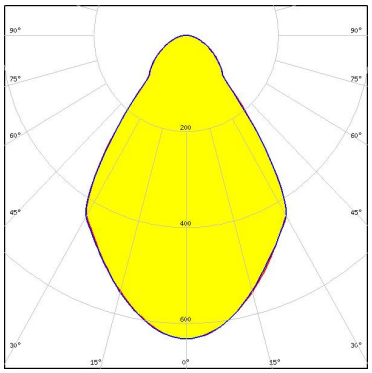


CREE

LED	CXA/B 25xx
FWHM	70.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13324_LENA-STD-BASE-CXA25





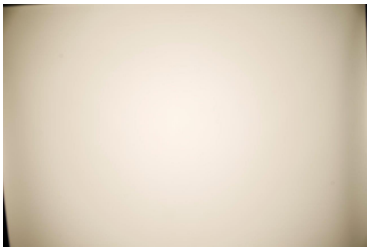
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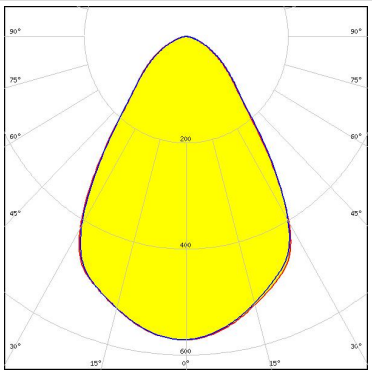
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 30xx
FWHM	77.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

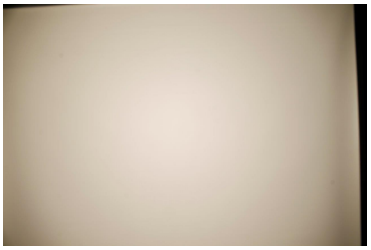


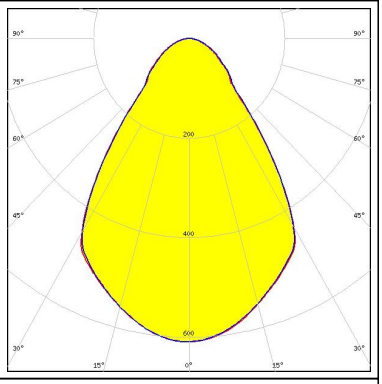


CREE

LED	CXA/B 30xx
FWHM	72.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

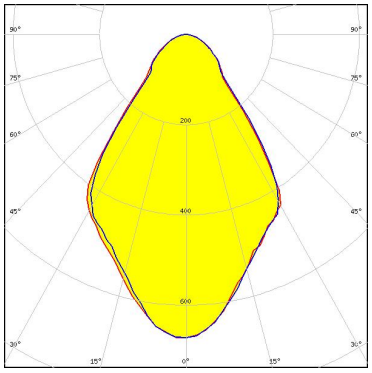




CREE

LED	CXA2011
FWHM	72.0°
Efficiency	87 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

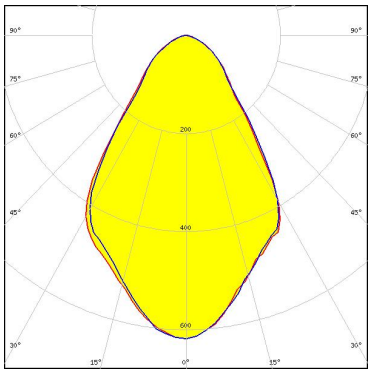
Required components:
C12105_LENA-STD-BASE-CXA20



CREE

LED	CXA2011
FWHM	70.0°
Efficiency	82 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



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PHOTOMETRIC DATA (MEASURED):

EVERLIGHT

LED	CHI3030 19W
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13867_LENA-STD-BASE-VERO29
- C12606_LENINA-DL
- Bender Wirth: 468 Typ L3



EVERLIGHT

LED	CHI3030 29W
FWHM	75.0°
Efficiency	90 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13867_LENA-STD-BASE-VERO29
- C12606_LENINA-DL
- Bender Wirth: 468 Typ L3

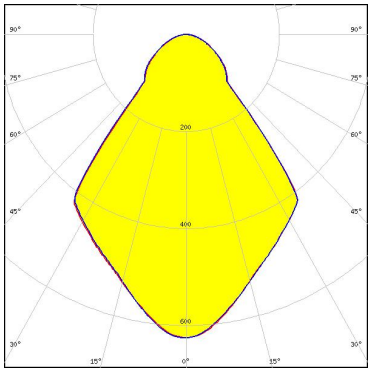


LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



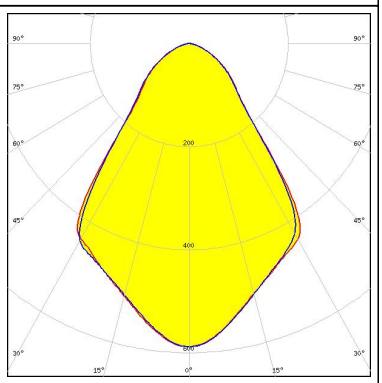


LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 438 Typ L1





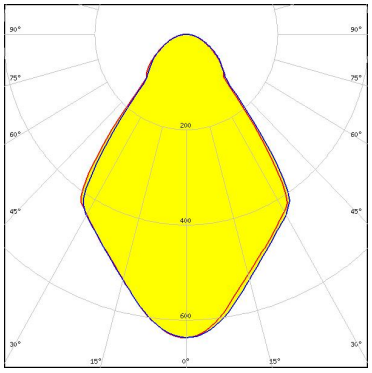
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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1204/1205
FWHM	73.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

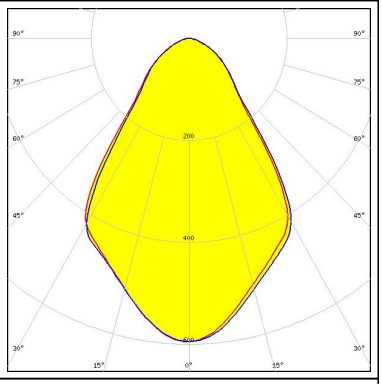
Required components:
C12292_LENA-STD-BASE-MEZ



LUMILEDS

LED	LUXEON CoB 1204/1205
FWHM	71.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ
C12606_LENINA-DL

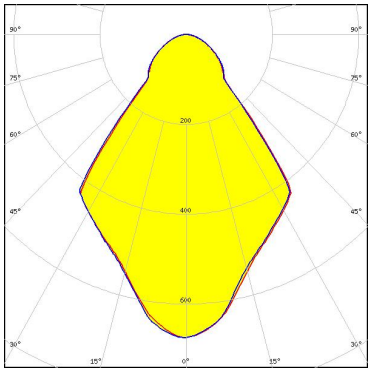


LUMILEDS

LED	LUXEON CoB 1204HD
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C11981_LENA-STD-BASE-COB-L110



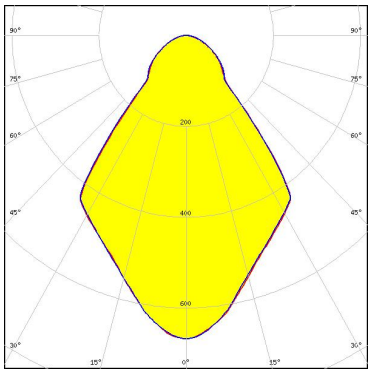


LUMILEDS

LED	LUXEON CoB 1205HD
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C11981_LENA-STD-BASE-COB-L110





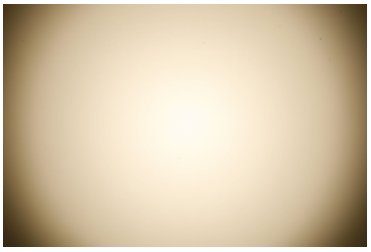
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

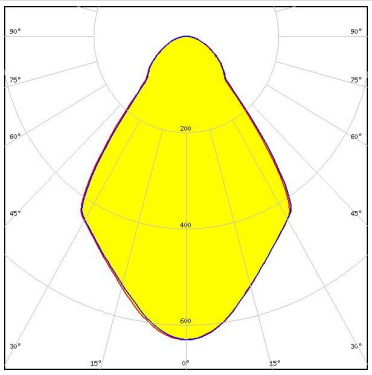
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1208
FWHM	73.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ

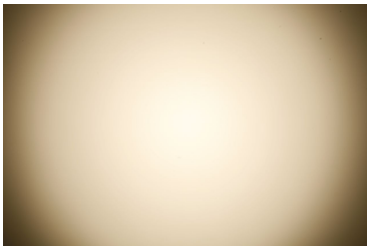


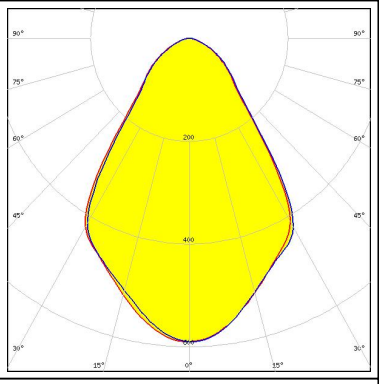


LUMILEDS

LED	LUXEON CoB 1208
FWHM	72.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ
C12606_LENINA-DL



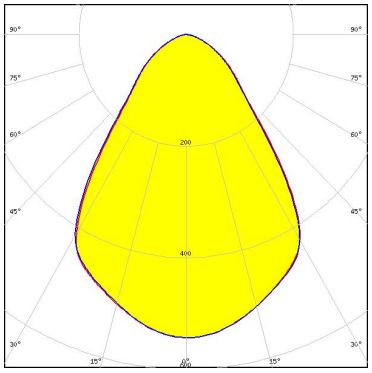


LUMILEDS

LED	LUXEON CoB 1211
FWHM	75.0°
Efficiency	88 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13867_LENA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 431 Typ L3

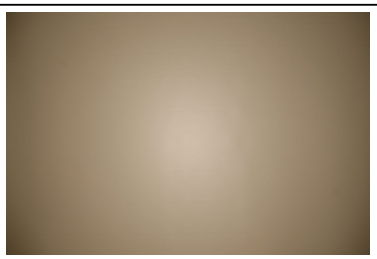


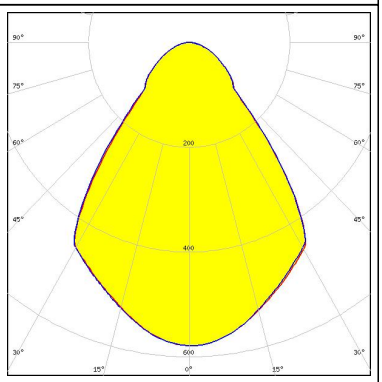


LUMILEDS

LED	LUXEON CoB 1211
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13867_LENA-STD-BASE-VERO29
Bender Wirth: 431 Typ L3





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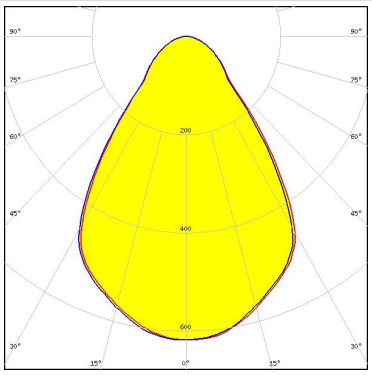
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12692_LENA-STD-BASE-CLL040



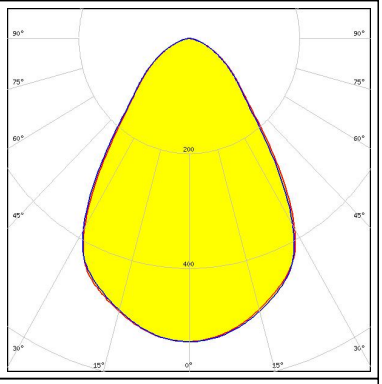


LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	73.0°
Efficiency	83 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12606_LENINA-DL
A.A.G. STUCCHI: 8102/G2 + S-8000/12



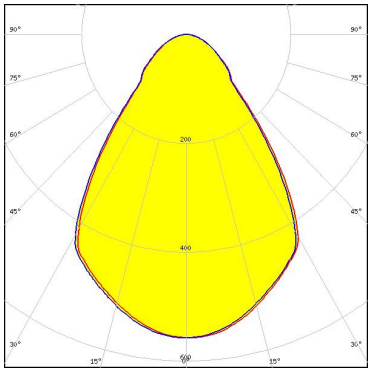


LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	74.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



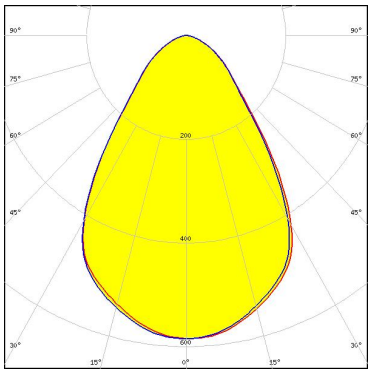


LUMILEDS

LED	LUXEON CoB 1216/1812
FWHM	72.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





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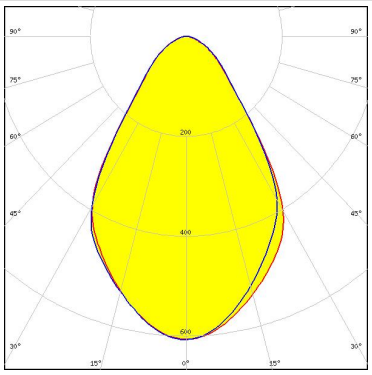
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON K12
FWHM	68.0°
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



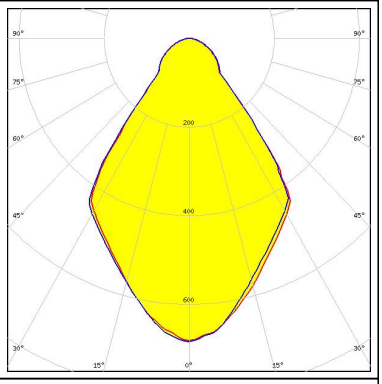


LUMILEDS

LED	LUXEON K12
FWHM	72.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

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

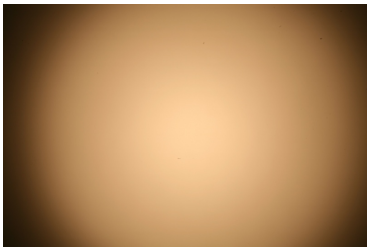


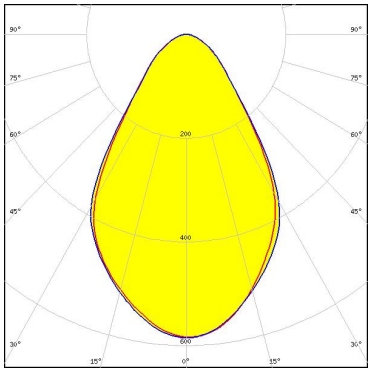


LUMILEDS

LED	LUXEON K16
FWHM	68.0°
Efficiency	80 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

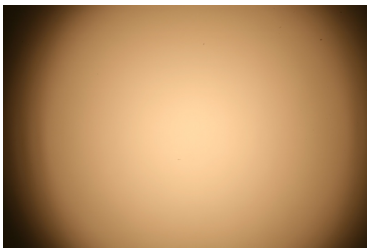


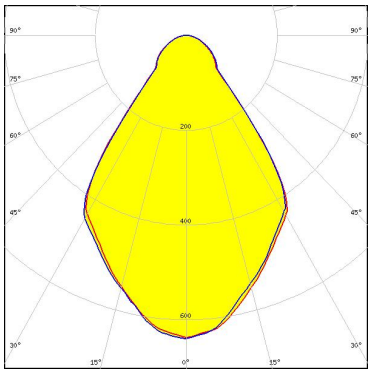


LUMILEDS

LED	LUXEON K16
FWHM	72.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





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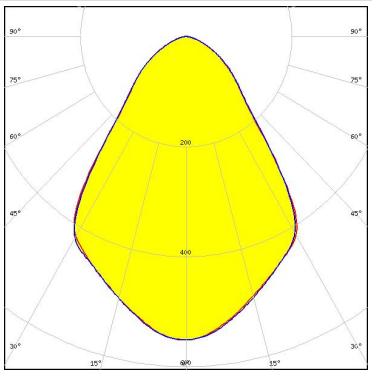
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CDM-14 (Dim-To-Warm)
FWHM	75.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

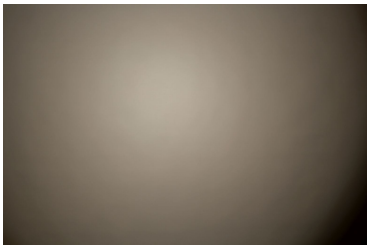


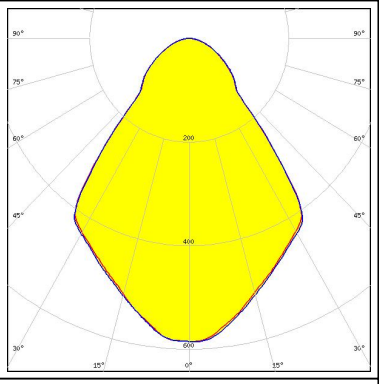


LUMINUS

LED	CDM-14 (Dim-To-Warm)
FWHM	77.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



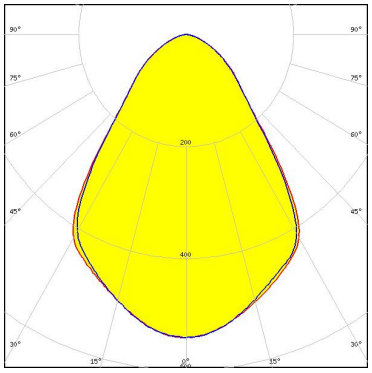


LUMINUS

LED	CDM-18 (Dim-To-Warm)
FWHM	75.0°
Efficiency	89 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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



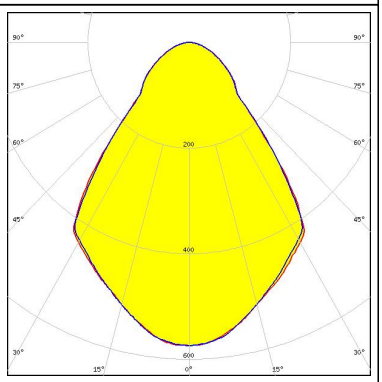


LUMINUS

LED	CDM-18 (Dim-To-Warm)
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





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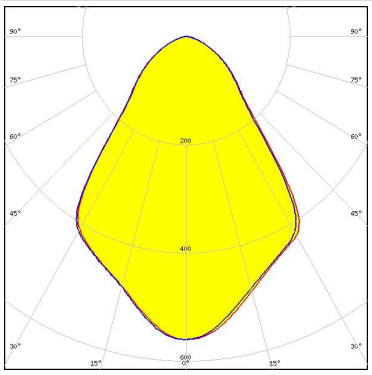
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM	74.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



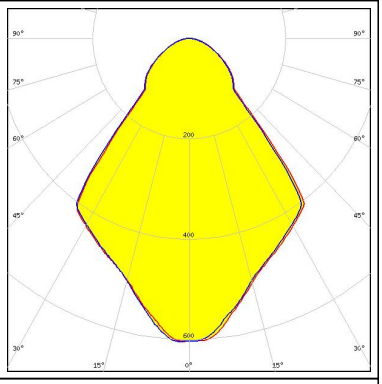


LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM	76.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



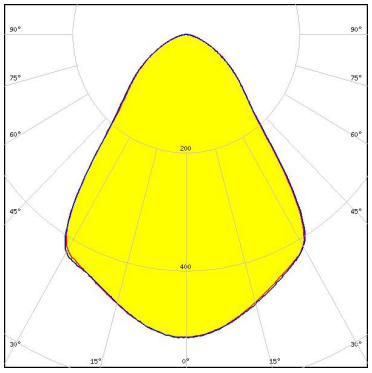


LUMINUS

LED	CTM-14 (Tunable White)
FWHM	76.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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



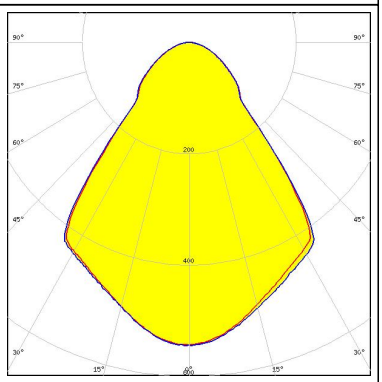


LUMINUS

LED	CTM-14 (Tunable White)
FWHM	77.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





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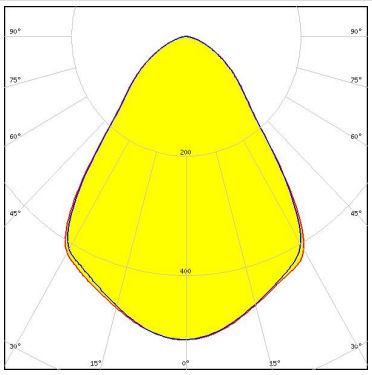
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CTM-18 (Tunable White)
FWHM	77.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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



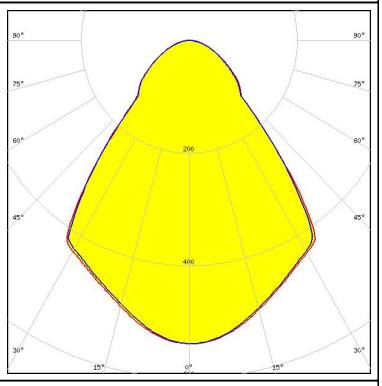


LUMINUS

LED	CTM-18 (Tunable White)
FWHM	78.0°
Efficiency	92 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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

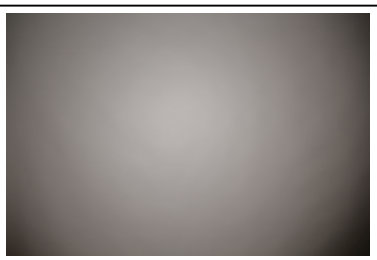


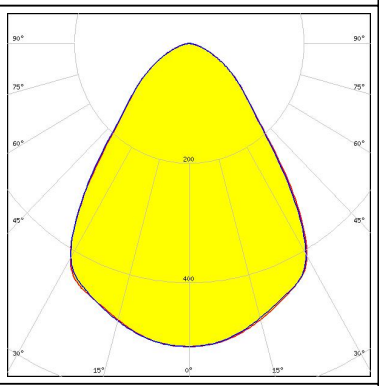


LUMINUS

LED	CTM-22 (Tunable White)
FWHM	77.0°
Efficiency	88 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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

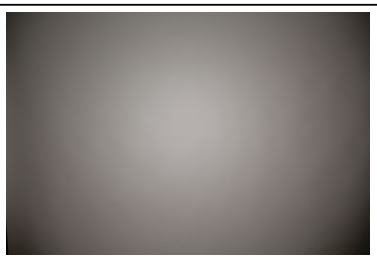


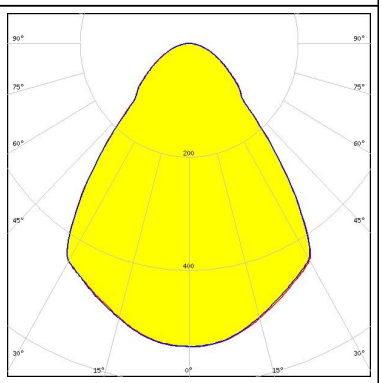


LUMINUS

LED	CTM-22 (Tunable White)
FWHM	78.0°
Efficiency	92 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

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





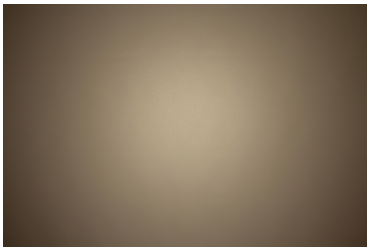
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

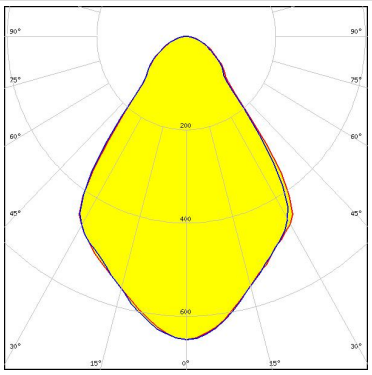
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CxM-14 (19x19)
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030

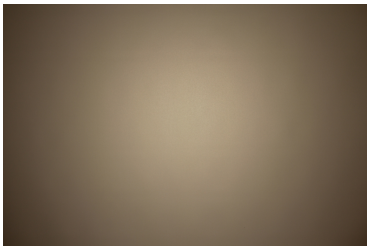


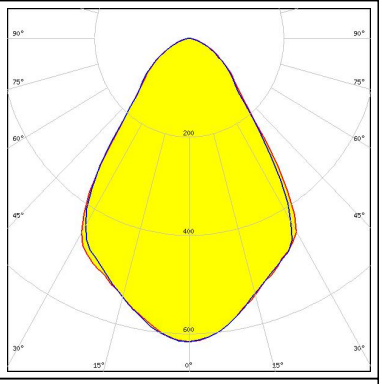


LUMINUS

LED	CxM-14 (19x19)
FWHM	73.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

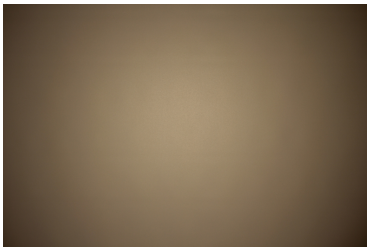




LUMINUS

LED	CxM-22 (28x28)
FWHM	73.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



LUMINUS

LED	CxM-22 (28x28)
FWHM	73.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12692_LENA-STD-BASE-CLL040



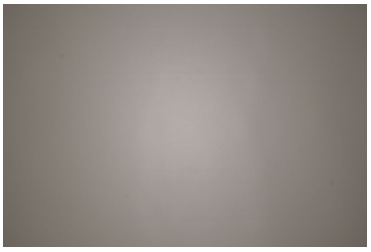
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

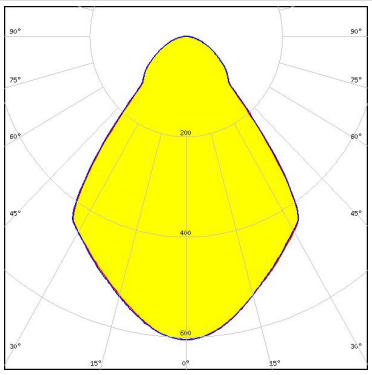
PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	COB J-Type
FWHM	76.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

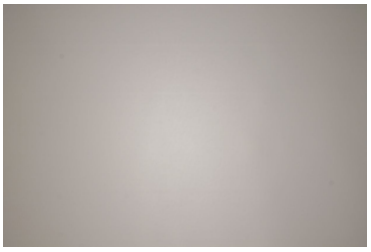


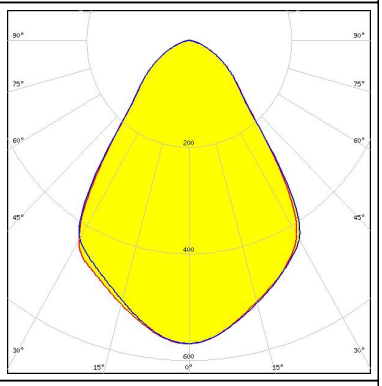


NICHIA

LED	COB J-Type
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



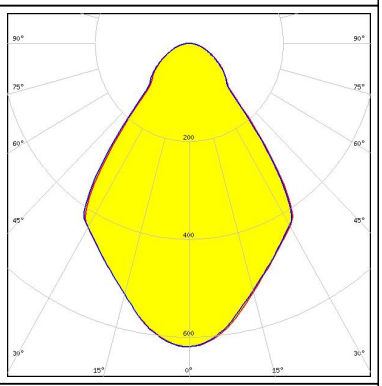


NICHIA

LED	COB J-Type
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12292_LENA-STD-BASE-MEZ



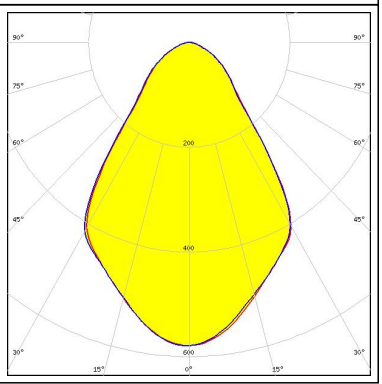


NICHIA

LED	COB J-Type
FWHM	72.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12292_LENA-STD-BASE-MEZ
- C12606_LENINA-DL





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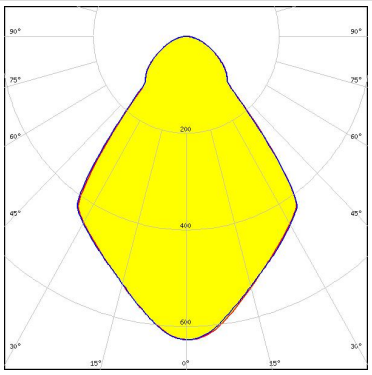
PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	COB L-Type (LES 11)
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

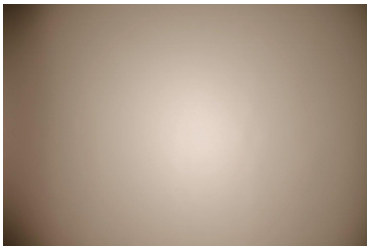


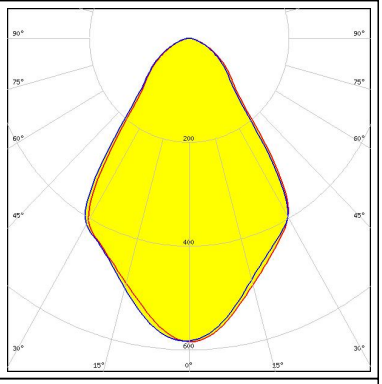


NICHIA

LED	COB L-Type (LES 11)
FWHM	71.0°
Efficiency	82 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C11981_LENA-STD-BASE-COB-L110
- C12606_LENINA-DL



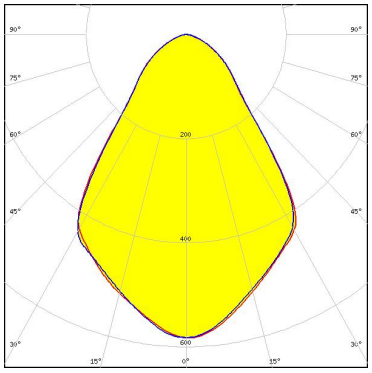


NICHIA

LED	COB L-Type (LES 11)
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 438 Typ L1

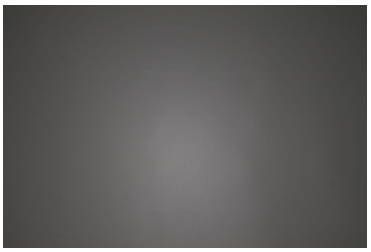


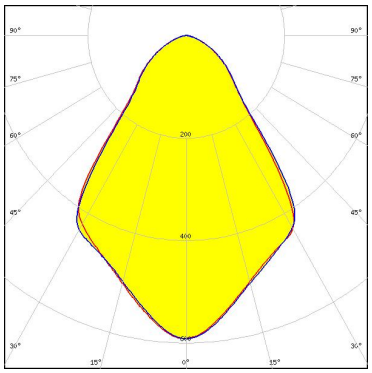


NICHIA

LED	COB L-Type (LES 9)
FWHM	74.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 438 Typ L1





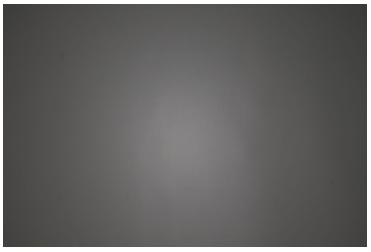
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

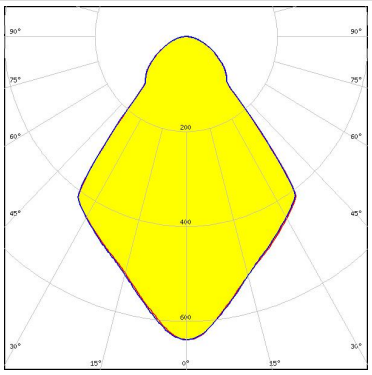
PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	COB L-Type (LES 9)
FWHM	76.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

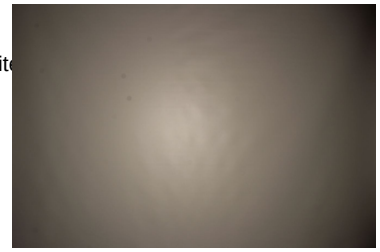


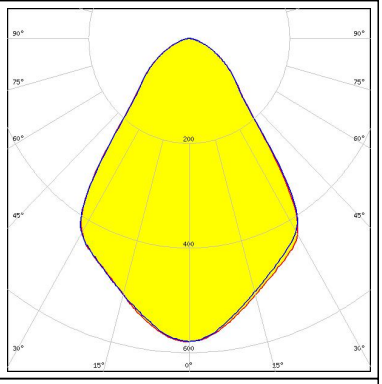


NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 498 Typ L2

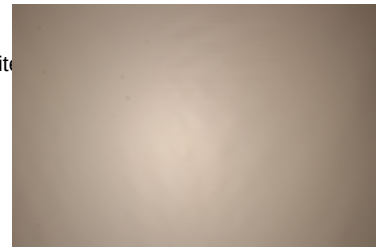


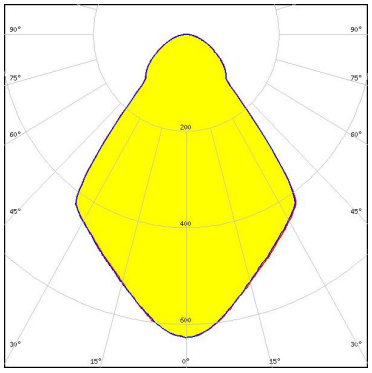


NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- Bender Wirth: 498 Typ L2

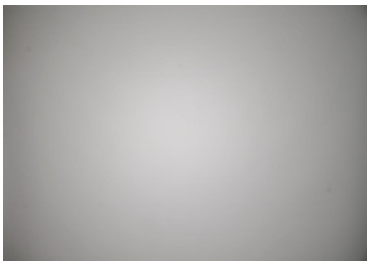


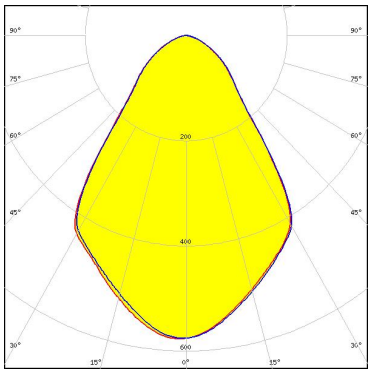


OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





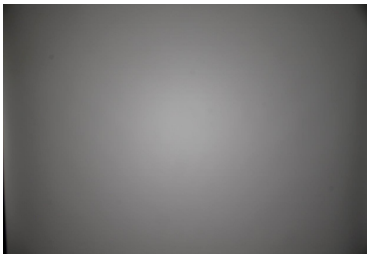
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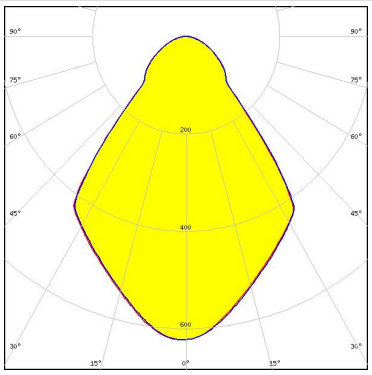
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM	75.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



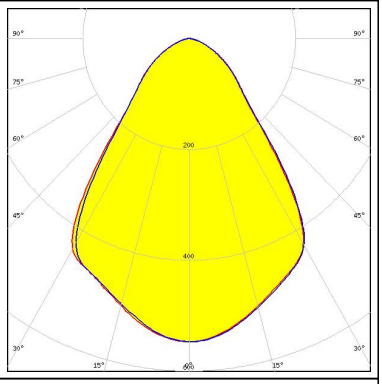


OSRAM
Opto Semiconductors

LED	Soleriq S19
FWHM	75.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13867_LENA-STD-BASE-VERO29
C12606_LENINA-DL
Bender Wirth: 462 Typ L3



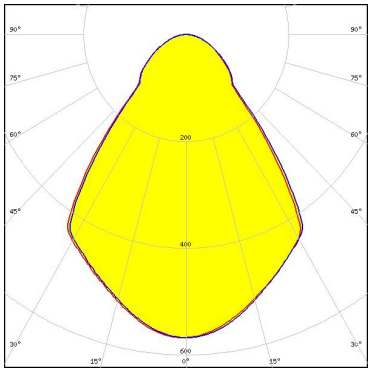


OSRAM
Opto Semiconductors

LED	Soleriq S19
FWHM	76.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





PHILIPS

LED	Fortimo SLM L13 CoB
FWHM	71.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ
C12606_LENINA-DL



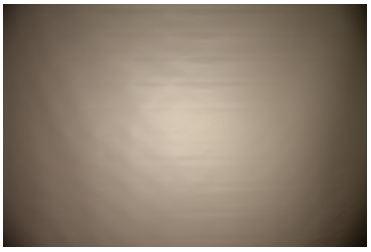
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PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED	Fortimo SLM L13 CoB
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ

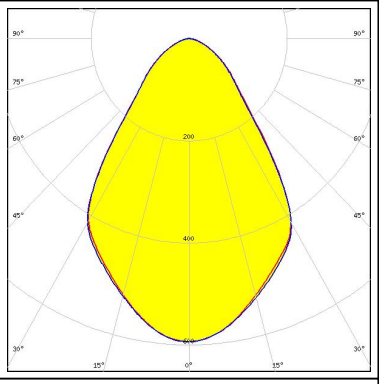


PHILIPS

LED	Fortimo SLM L15 CoB
FWHM	72.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ
C12606_LENINA-DL



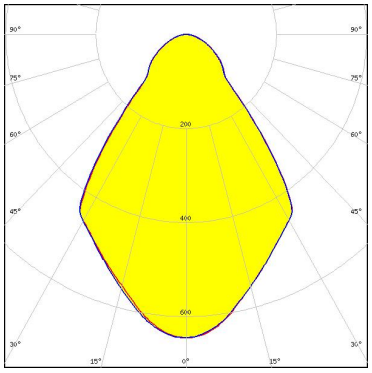


PHILIPS

LED	Fortimo SLM L15 CoB
FWHM	73.0°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ



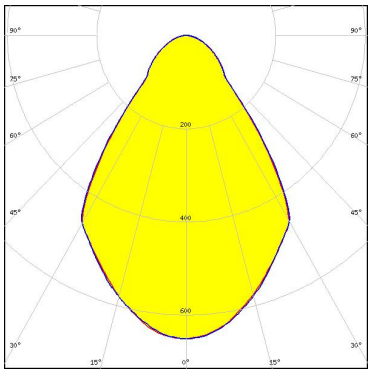


PHILIPS

LED	Fortimo SLM L19 CoB
FWHM	72.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12692_LENA-STD-BASE-CLL040





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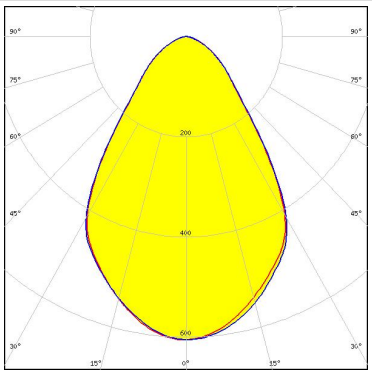
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED	Fortimo SLM L19 CoB
FWHM	71.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



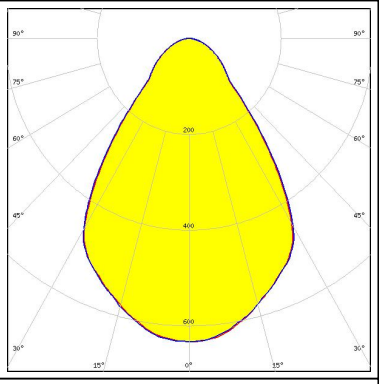


PHILIPS

LED	Fortimo SLM L23 CoB
FWHM	72.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12692_LENA-STD-BASE-CLL040



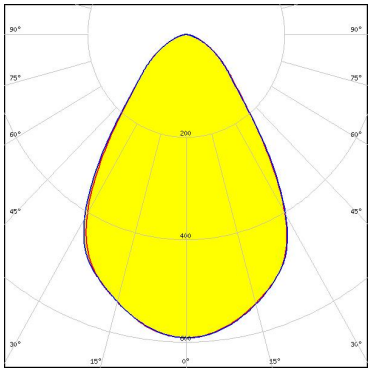


PHILIPS

LED	Fortimo SLM L23 CoB
FWHM	71.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



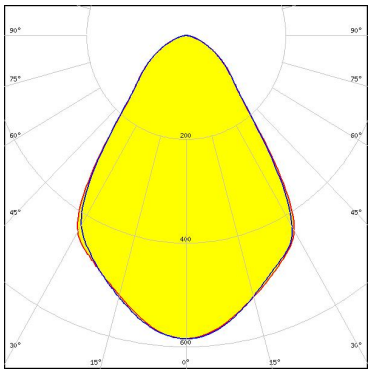


SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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





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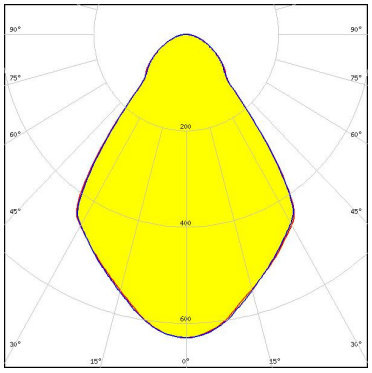
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030



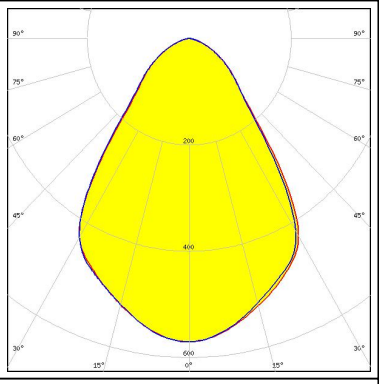


SAMSUNG

LED	LC026B / 033B / 040B
FWHM	74.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13868_LENA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 450 Typ L2



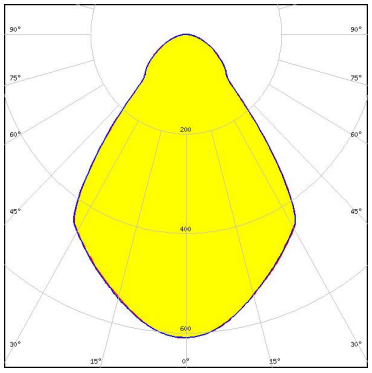


SAMSUNG

LED	LC026B / 033B / 040B
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13868_LENA-STD-BASE-VERO13-18
Bender Wirth: 450 Typ L2

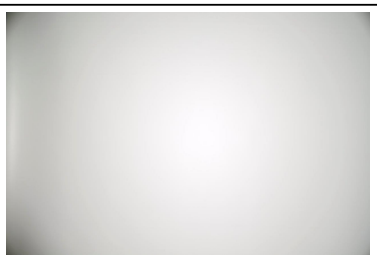


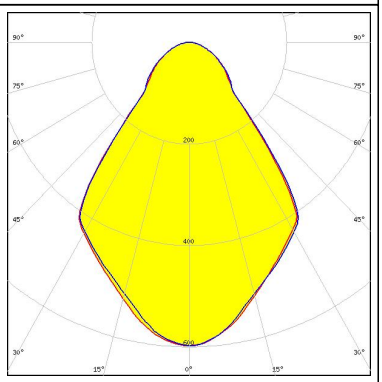


SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM	75.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030





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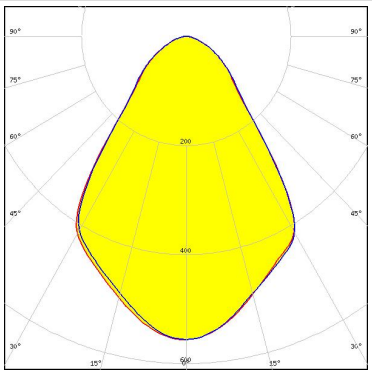
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM	73.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



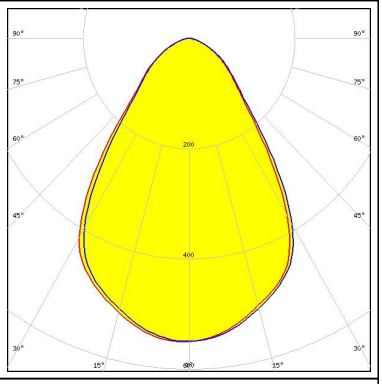


SEOUL SEMICONDUCTOR

LED	ZC25/40/60
FWHM	72.0°
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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



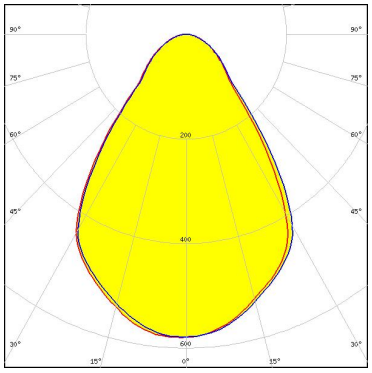


SEOUL SEMICONDUCTOR

LED	ZC25/40/60
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12692_LENA-STD-BASE-CLL040

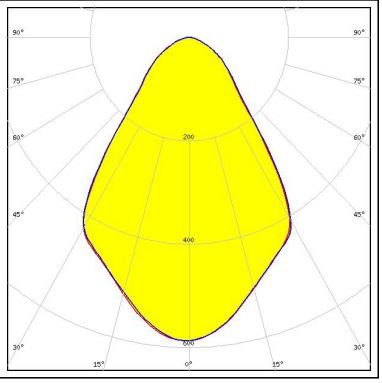




SHARP

LED	Mega Zenigata (GW5DGC)
FWHM	72.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12292_LENA-STD-BASE-MEZ
- C12606_LENINA-DL



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PHOTOMETRIC DATA (MEASURED):

SHARP

LED	Mega Zenigata (GW5DGC)
FWHM	73.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

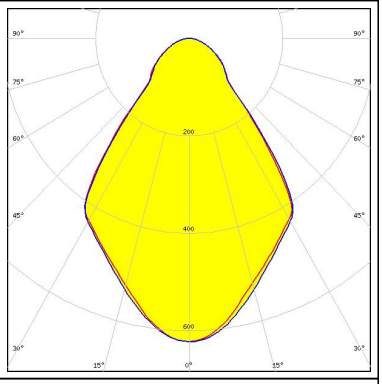
Required components:
C12292_LENA-STD-BASE-MEZ

SHARP

LED	Mega Zenigata (GW6DME)
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ

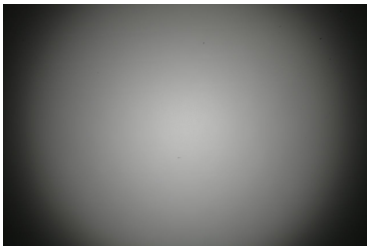


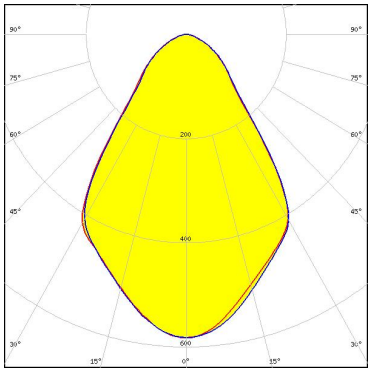


SHARP

LED	Mega Zenigata (GW6DME)
FWHM	72.0°
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12292_LENA-STD-BASE-MEZ
C12606_LENINA-DL



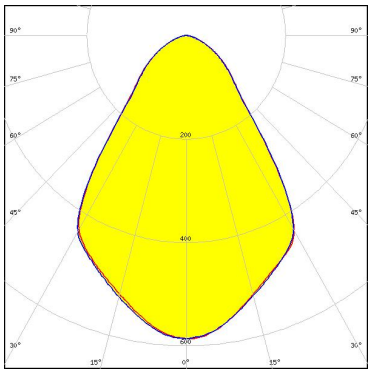


TRIDONIC

LED	SLE G7 LES15
FWHM	73.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030





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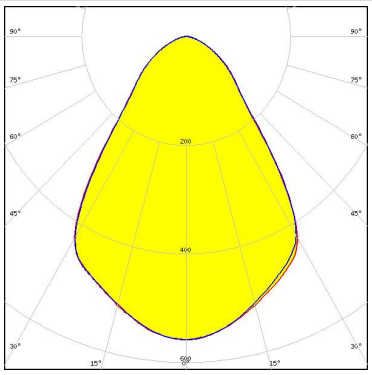
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	SLE G7 LES17 H
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14547_LENA-ADAPTER-B



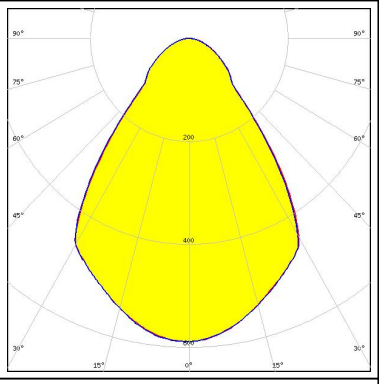


TRIDONIC

LED	SLE G7 LES21 H
FWHM	74.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14547_LENA-ADAPTER-B

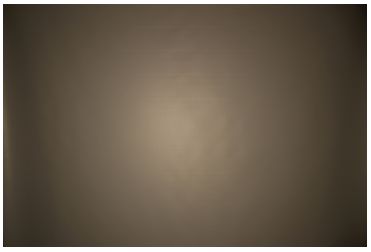


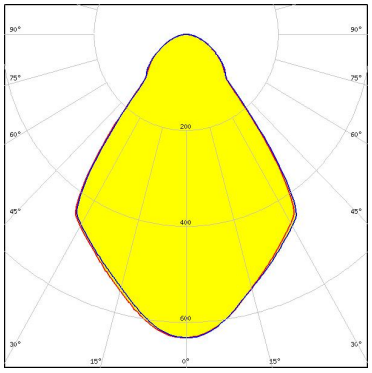


XICATO

LED	XOB 14.5 mm
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C12691_LENA-STD-BASE-CLL030





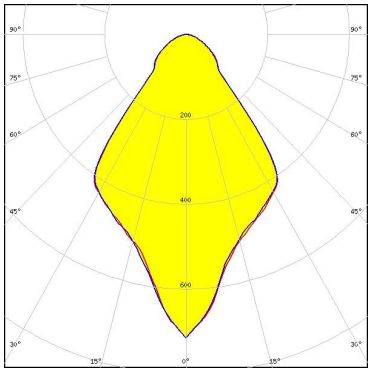
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V10 Gen7
FWHM	71.0°
Efficiency	86 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

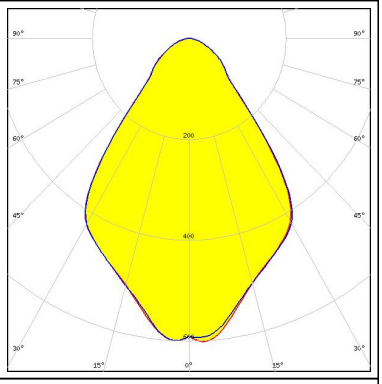
Required components:
- C13868_LENA-STD-BASE-VERO13-18
- Bender Wirth: 486 Typ L1



bridgelux

LED	V13 Gen7
FWHM	73.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

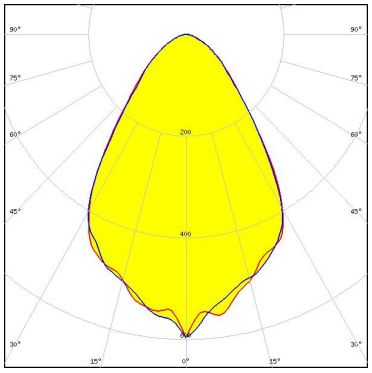
Required components:
- C13868_LENA-STD-BASE-VERO13-18
- Bender Wirth: 477 Typ L1



bridgelux

LED	V13 Gen7
FWHM	70.0°
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

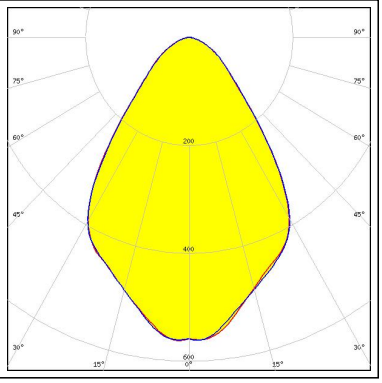
Required components:
- C12606_LENINA-DL
- IDEAL: 50-2103CT + 50-2100AN



bridgelux

LED	V13 Gen7
FWHM	72.0°
Efficiency	82 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 477 Typ L1



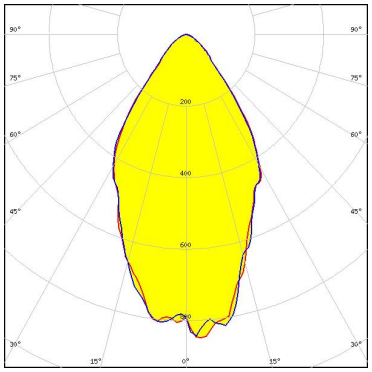
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V22 Gen7
FWHM	60.0°
Efficiency	85 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

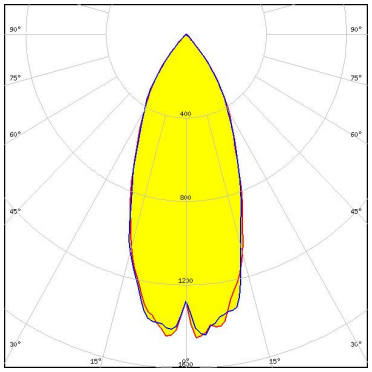
Required components:
- C13867_LENA-STD-BASE-VERO29
- C12606_LENINA-DL
- Bender Wirth: 431 Typ L3



bridgelux

LED	V22 Gen7
FWHM	60.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White

Required components:
- C13867_LENA-STD-BASE-VERO29
- Bender Wirth: 431 Typ L3



LUMINUS

LED	CxM-14 (19x19)
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

LUMINUS

LED	CxM-14 (19x19)
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 433 Typ L1

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PHOTOMETRIC DATA (SIMULATED):

LUMINUS

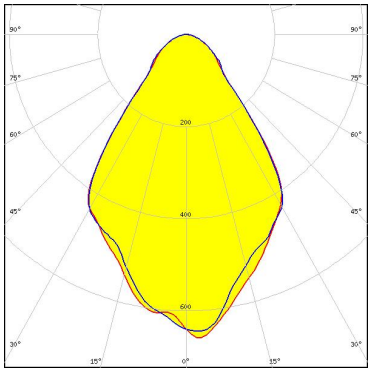
LED	CxM-9 (13.5x13.5)
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 434 Typ L1

OSRAM
Opto Semiconductors

LED	Soleriq S15
FWHM	72.0°
Efficiency	87 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C12691_LENA-STD-BASE-CLL030



SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

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

SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM	74.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13868_LENA-STD-BASE-VERO13-18
- C12606_LENINA-DL
- Bender Wirth: 433 Typ L1

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PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

LED	ZC4/6
FWHM	73.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C13868_LENA-STD-BASE-VERO13-18
C12606_LENINA-DL
Bender Wirth: 434 Typ L1

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GENERAL INFORMATION:

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

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

MATERIALS:

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

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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

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Hong Kong, China

Distribution Partners
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where_to_buy

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LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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