

LENA-X-WAS

White version with asymmetric beam wall-washing

TECHNICAL SPECIFICATIONS:

Dimensions Ø 111.0 mm

Height 32.6 mm

Fastening glue

Colour white

Box size 480 x 280 x 300 mm

Box weight 3.2 kg Quantity in Box 56 pcs

ROHS compliant yes 🕕

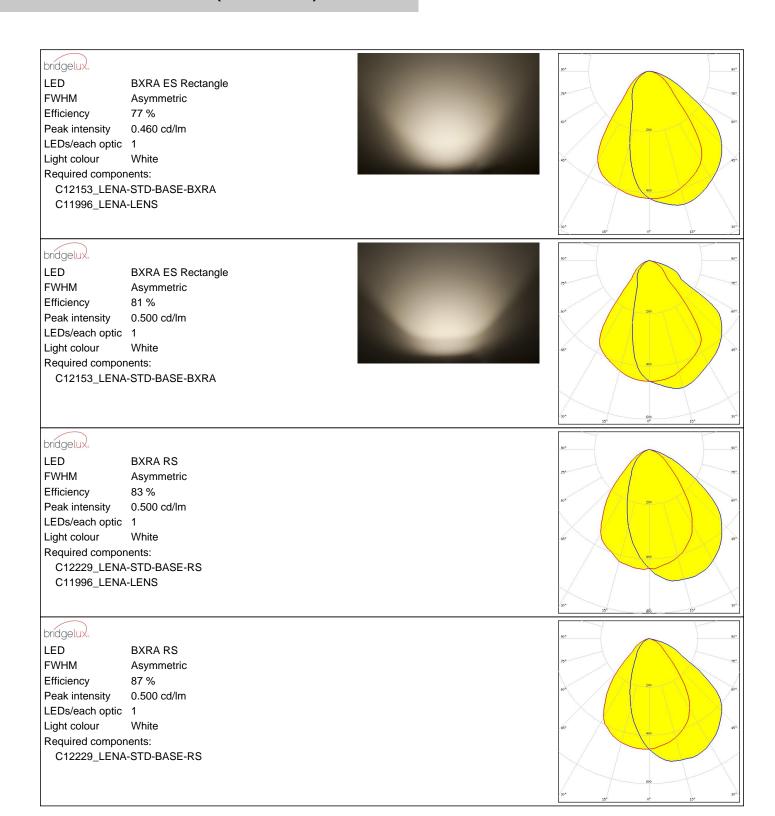


MATERIAL SPECIFICATIONS:

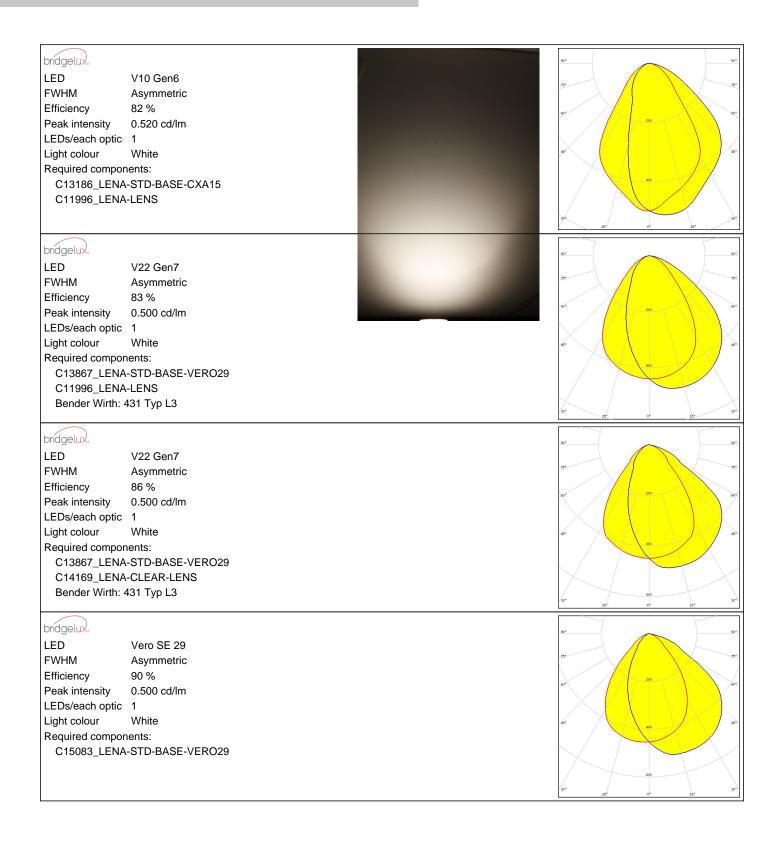
Component **Type** Material Colour Coating white

LENA-X-WAS Reflector **HRPC**

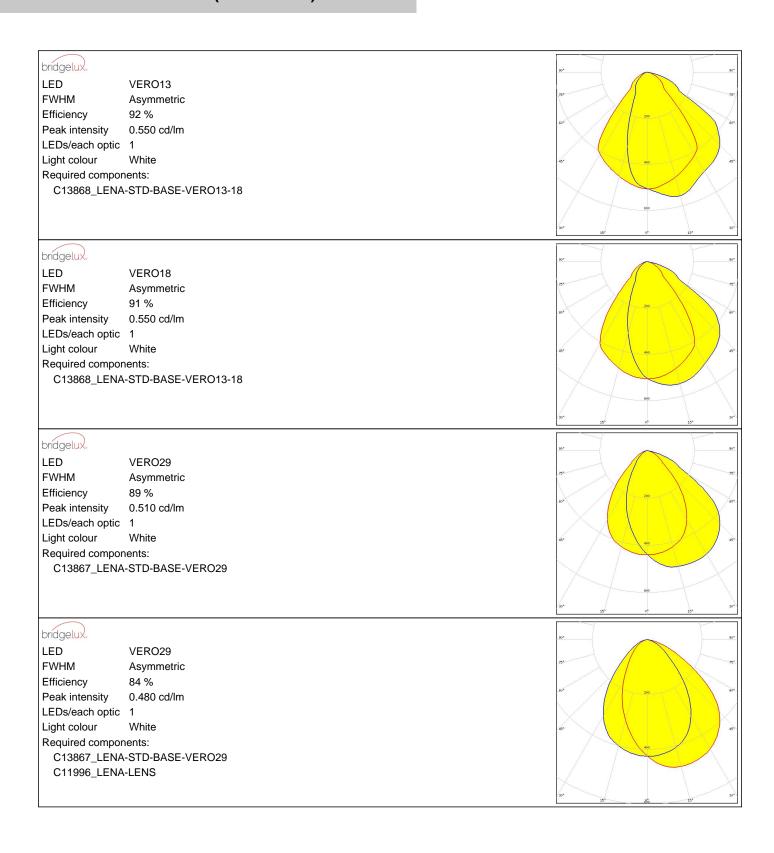












PHOTOMETRIC DATA (MEASURED):

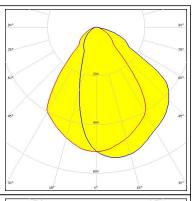
CITIZEN

LED CL-L340
FWHM Asymmetric
Efficiency 84 %
Peak intensity 1.170 cd/lm
LEDs/each optic 1

Light colour White Required components:

C11995_LENA-STD-BASE-CL340





CITIZEN

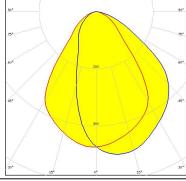
LED CL-L340
FWHM Asymmetric
Efficiency 82 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1

LEDs/each optic 1 Light colour White Required components:

C11995_LENA-STD-BASE-CL340

C11996_LENA-LENS





CITIZEN

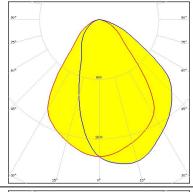
LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 80 %
Peak intensity 0.500 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS





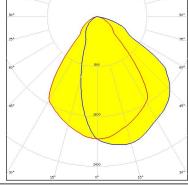
CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 81 %
Peak intensity 1.160 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030





PHOTOMETRIC DATA (MEASURED):

CITIZEN

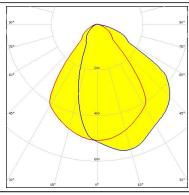
LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.570 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1





CITIZEN

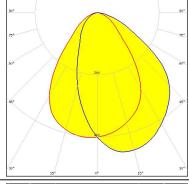
LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 74 %
Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS





CITIZEN

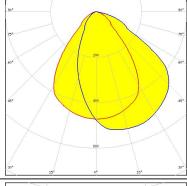
LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.530 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 431 Typ L3





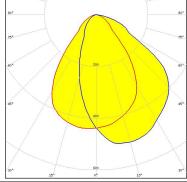
CITIZEN

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

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040





PHOTOMETRIC DATA (MEASURED):

CITIZEN

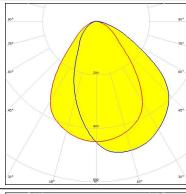
LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.500 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS Bender Wirth: 431 Typ L3





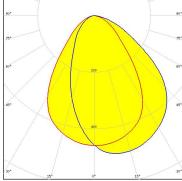
CITIZEN

LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:
C11996_LENA-LENS

IDEAL: 50-2204CT + 50-2100LN





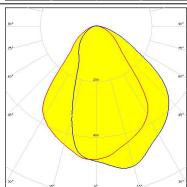
CITIZEN

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

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS

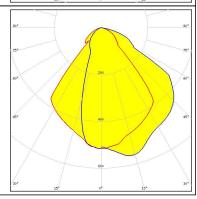


CITIZEN

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

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030



PHOTOMETRIC DATA (MEASURED):

CITIZEN

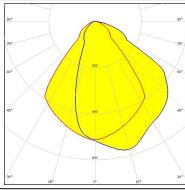
LED CLU720/721
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.570 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1



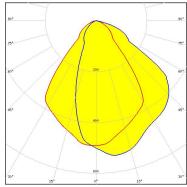


CITIZEN

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

LEDs/each optic 1 Light colour White Required components:

C12692_LENA-STD-BASE-CLL040



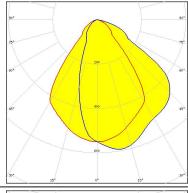
CREE \$

LED CMA1840
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C14146_LENA-STD-BASE-CXA18





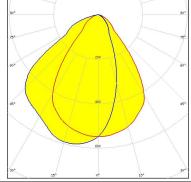
CREE 🕏

LED CMA2550
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13324_LENA-STD-BASE-CXA25





PHOTOMETRIC DATA (MEASURED):

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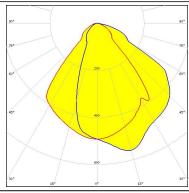
LED CMT14xx
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.550 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 434 Typ L1





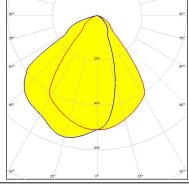
CREE 🕏

LED CMT19xx
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.562 cd/lm
LEDs/each optic 1

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030





CREE 🕏

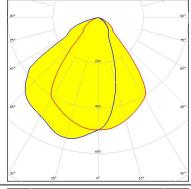
LED CMT19xx
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.551 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 477 Typ L1



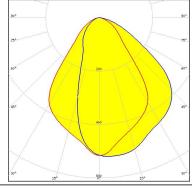


CREE \$

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

LEDs/each optic 1
Light colour White
Required components:

C13186_LENA-STD-BASE-CXA15



PHOTOMETRIC DATA (MEASURED):

CREE 💠

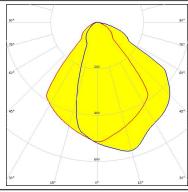
LED CXA/B 15xx
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.570 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 441 Typ L1



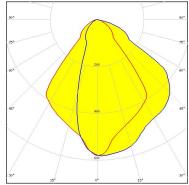


CREE 🕏

LED CXA/B 15xx
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.580 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13186_LENA-STD-BASE-CXA15



CREE 🕏

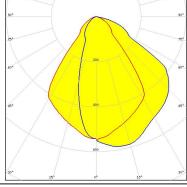
LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM Asymmetric Efficiency 91 % Peak intensity 0.590 cd/lm

LEDs/each optic 1 Light colour White Required components:

C14146_LENA-STD-BASE-CXA18





CREE 🕏

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

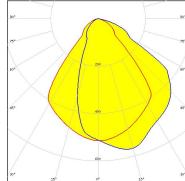
FWHM Asymmetric Efficiency 90 % Peak intensity 0.570 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 437 Typ L1





PHOTOMETRIC DATA (MEASURED):

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LED CXA/B 25xx

FWHM Asymmetric

Efficiency 73 %

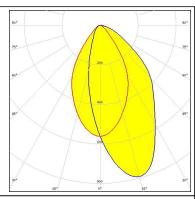
Peak intensity 0.900 cd/lm

LEDs/each optic 1 Light colour White

Required components:

C13324_LENA-STD-BASE-CXA25

C11996_LENA-LENS



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LED CXA/B 25xx

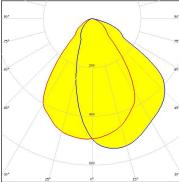
FWHM Asymmetric

Efficiency 82 %

Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13324_LENA-STD-BASE-CXA25



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LED CXA/B 25xx

FWHM Asymmetric

Efficiency 78 %

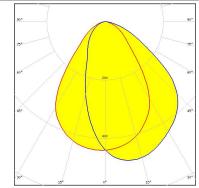
Peak intensity 0.500 cd/lm

LEDs/each optic 1

Light colour White Required components:

C13324_LENA-STD-BASE-CXA25

C11996_LENA-LENS



CREE \$

LED CXA2011

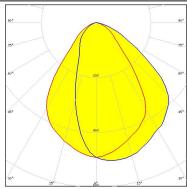
FWHM Asymmetric

Efficiency 80 % Peak intensity 0.500 cd/lm

LEDs/each optic 1

Light colour White

Required components: C12105_LENA-STD-BASE-CXA20



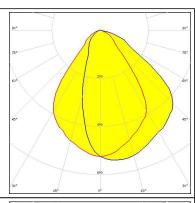
PHOTOMETRIC DATA (MEASURED):

CREE 💠

LED CXA2011
FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1

Light colour White Required components:

C12105_LENA-STD-BASE-CXA20



M LUMILEDS

LED LUXEON CoB 1202/1203

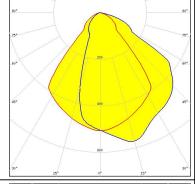
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1





MILEDS

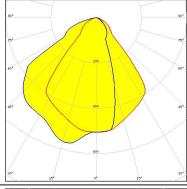
LED LUXEON CoB 1204HD

FWHM Asymmetric Efficiency 91 % Peak intensity 0.570 cd/lm

LEDs/each optic 1 Light colour White Required components:

C11981_LENA-STD-BASE-COB-L110





DESCRIPTION LUMILEDS

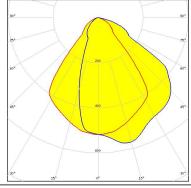
LED LUXEON CoB 1205HD

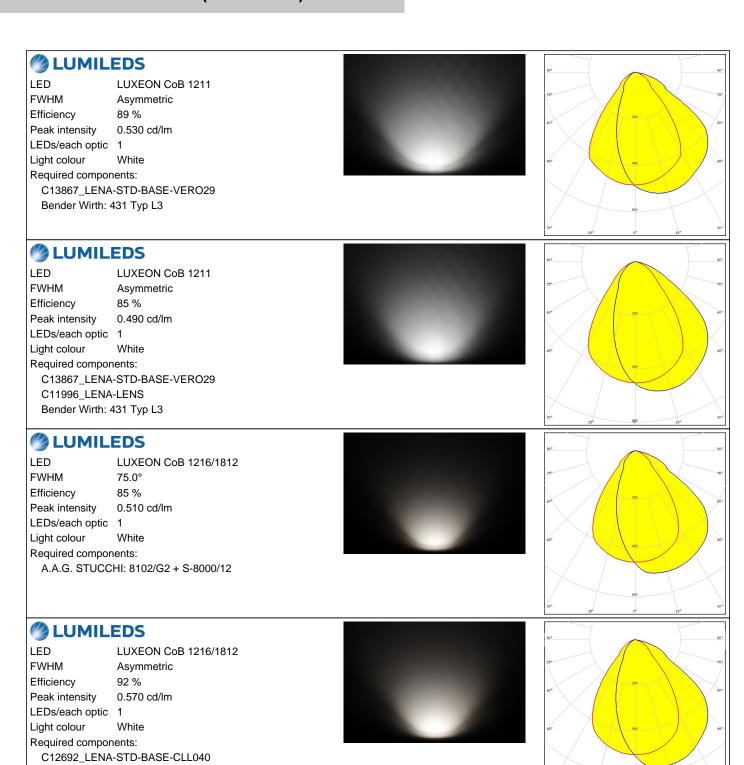
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.570 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C11981_LENA-STD-BASE-COB-L110







PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1216/1812

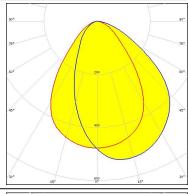
FWHM Asymmetric Efficiency 87 % Peak intensity 0.530 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS





MILEDS

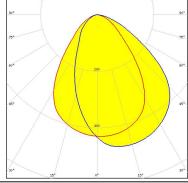
LED LUXEON CoB 1216/1812

FWHM Asymmetric Efficiency 81 % Peak intensity 0.480 cd/lm

LEDs/each optic 1
Light colour White
Required components:
C11996_LENA-LENS

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





ELUMINUS

LED CDM-14 (Dim-To-Warm)

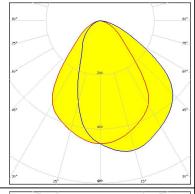
FWHM Asymmetric Efficiency 86 % Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

C11996_LENA-LENS Bender Wirth: 491 Typ L2





LUMINUS

LED CDM-14 (Dim-To-Warm)

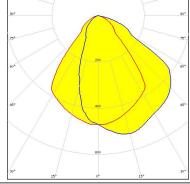
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 491 Typ L2





PHOTOMETRIC DATA (MEASURED):



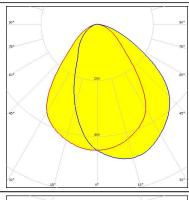
Efficiency 86 %
Peak intensity 0.490 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

C11996_LENA-LENS Bender Wirth: 491 Typ L2





ELUMINUS

LED

CDM-18 (Dim-To-Warm)

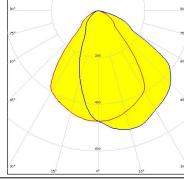
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 491 Typ L2





ELUMINUS

LED CDM-9 (Dim-To-Warm)

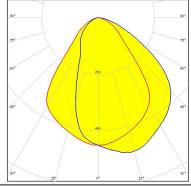
FWHM Asymmetric Efficiency 85 % Peak intensity 0.490 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

C11996_LENA-LENS Bender Wirth: 490 Typ L1





LUMINUS

LED CDM-9 (Dim-To-Warm)

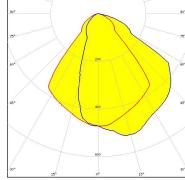
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.530 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 490 Typ L1





PHOTOMETRIC DATA (MEASURED):



LED CTM-14 (Tunable White)

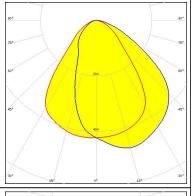
FWHM Asymmetric 84 % Efficiency Peak intensity 0.480 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

C12606_LENINA-DL Bender Wirth: 442 Typ L3





ELUMINUS

LED CTM-14 (Tunable White)

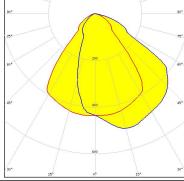
FWHM Asymmetric 88 % Efficiency 0.510 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 442 Typ L3





ELUMINUS

LED CTM-18 (Tunable White)

FWHM Asymmetric Efficiency 84 % Peak intensity 0.480 cd/lm

LEDs/each optic 1

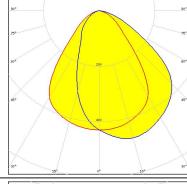
Light colour **Tunable White**

Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS Bender Wirth: 442 Typ L3





ELUMINUS

LED CTM-18 (Tunable White)

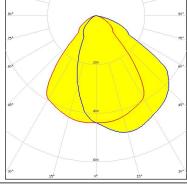
FWHM Asymmetric 88 % Efficiency 0.500 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 442 Typ L3





PHOTOMETRIC DATA (MEASURED):



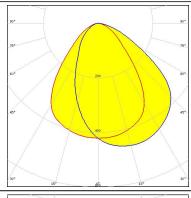
Efficiency 84 %
Peak intensity 0.460 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS Bender Wirth: 494 Typ L3





ELUMINUS

LED CTM-22 (Tunable White)

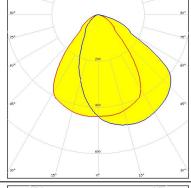
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 494 Typ L3





ELUMINUS

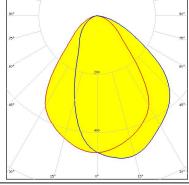
LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS





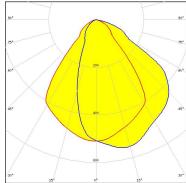
LUMINUS

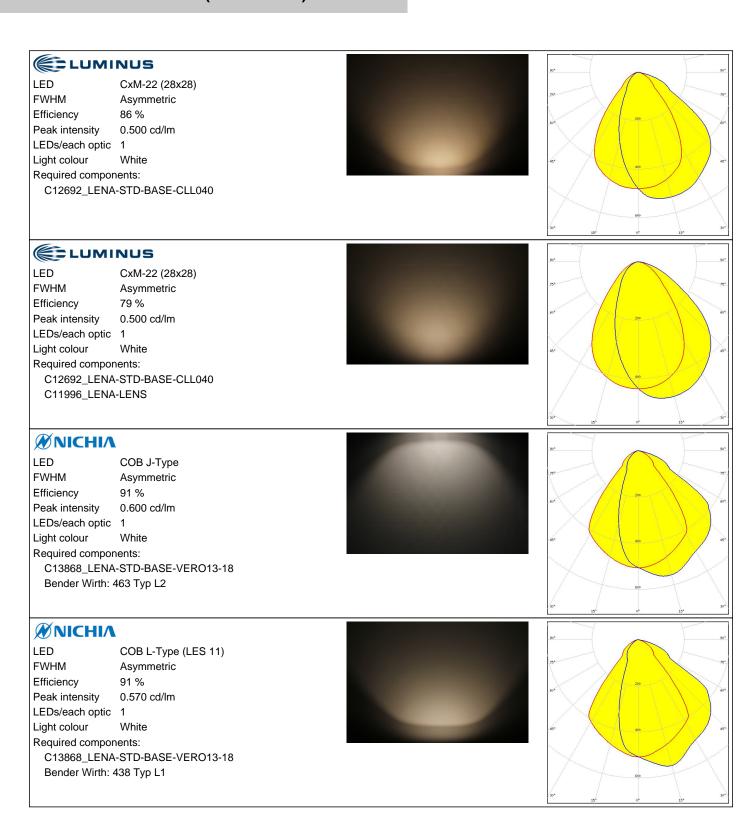
LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.550 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030







PHOTOMETRIC DATA (MEASURED):



LED COB L-Type (LES 9)

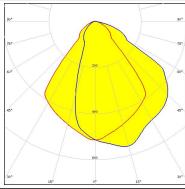
FWHM Asymmetric 91 % Efficiency 0.560 cd/lm Peak intensity

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1





WNICHIA

LED NVCWJ024Z-V1MT: COB J-Type Tunable White

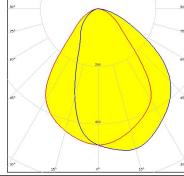
FWHM Asymmetric 85 % Efficiency 0.500 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C13868_LENA-STD-BASE-VERO13-18

C11996_LENA-LENS Bender Wirth: 498 Typ L2





WNICHIA

LED NVCWJ024Z-V1MT: COB J-Type Tunable White

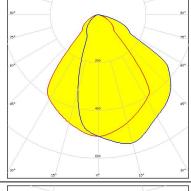
FWHM Asymmetric Efficiency 90 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 498 Typ L2





OSRAM Opto Semiconductors

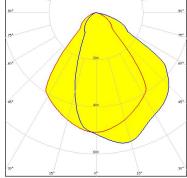
LED Soleriq S13 **FWHM** Asymmetric 90 % Efficiency 0.570 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 437 Typ L1





PHOTOMETRIC DATA (MEASURED):

OSRAM

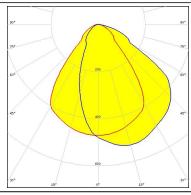
LED Soleriq S19
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 462 Typ L3





OSRAM Opto Semiconductors

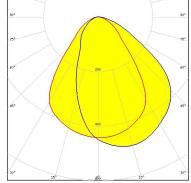
LED Soleriq S19
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS Bender Wirth: 462 Typ L3





PHILIPS

LED Fortimo SLM L13 CoB

FWHM Asymmetric Efficiency 85 % Peak intensity 0.500 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS



PHILIPS

LED Fortimo SLM L13 CoB

FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ



PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L15 CoB

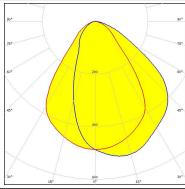
FWHM Asymmetric Efficiency 85 % Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS





PHILIPS

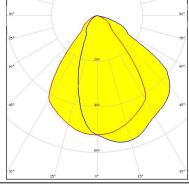
LED Fortimo SLM L15 CoB

FWHM Asymmetric Efficiency 90 % Peak intensity 0.550 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ





PHILIPS

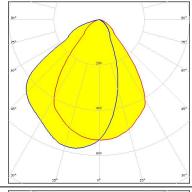
LED Fortimo SLM L19 CoB

FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040





PHILIPS

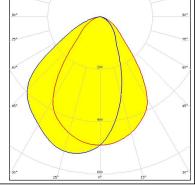
LED Fortimo SLM L19 CoB

FWHM Asymmetric Efficiency 85 % Peak intensity 0.500 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040





PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L23 CoB

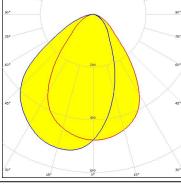
FWHM Asymmetric Efficiency 85 % Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS





PHILIPS

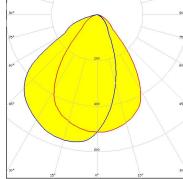
LED Fortimo SLM L23 CoB

FWHM Asymmetric Efficiency 90 % Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040





SAMSUNG

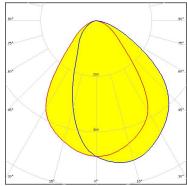
LED COB D Series LES 14.5 mm

FWHM Asymmetric Efficiency 87 % Peak intensity 0.520 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030

C11996_LENA-LENS



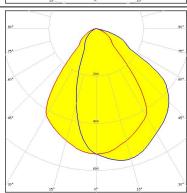
SAMSUNG

LED COB D Series LES 14.5 mm

FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.570 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030



PHOTOMETRIC DATA (MEASURED):

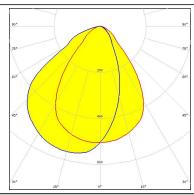
SAMSUNG

LED COB D Series LES 22 mm

FWHM Asymmetric Efficiency 91 % Peak intensity 0.560 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040



SAMSUNG

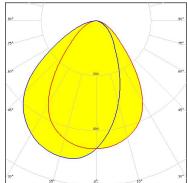
LED COB D Series LES 22 mm

FWHM Asymmetric Efficiency 86 % Peak intensity 0.510 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040

C11996_LENA-LENS



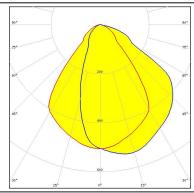
SHARP

LED Mega Zenigata (GW6DME)

FWHM Asymmetric Efficiency 87 % Peak intensity 0.540 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ



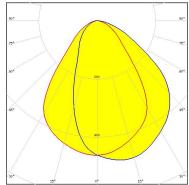
SHARP

LED Mega Zenigata (GW6DME)

FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.490 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ



PHOTOMETRIC DATA (MEASURED):

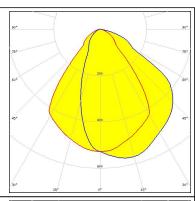
TRIDONIC

LED SLE G7 LES15
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.570 cd/lm

Peak intensity 0.570 cd LEDs/each optic 1

Light colour White Required components:

C12691_LENA-STD-BASE-CLL030



TRIDONIC

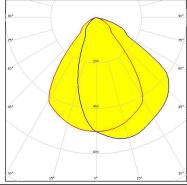
LED SLE G7 LES17 H

FWHM 76.0° Efficiency 91 % Peak intensity 0.550 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C14547_LENA-ADAPTER-B





TRIDONIC

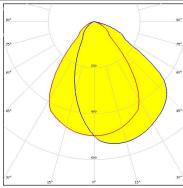
LED SLE G7 LES21 H FWHM Asymmetric Efficiency 90 %

Peak intensity 0.540 cd/lm

LEDs/each optic 1 Light colour White Required components:

C14547_LENA-ADAPTER-B



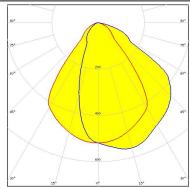


XICATO

LED XOB 14.5 mm
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.562 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030





PHOTOMETRIC DATA (SIMULATED):

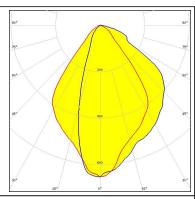
bridgelux

LED V10 Gen7
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.670 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 486 Typ L1

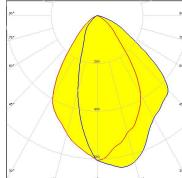


bridgelux.

LED V13 Gen7
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.650 cd/lm

LEDs/each optic 1 Light colour White Required components: C11996_LENA-LENS

IDEAL: 50-2103CT + 50-2100LN

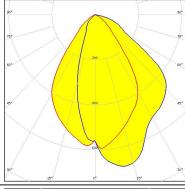


bridgelux

LED V13 Gen7
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.680 cd/lm

LEDs/each optic 1
Light colour White
Required components:

IDEAL: 50-2103CT + 50-2100LN



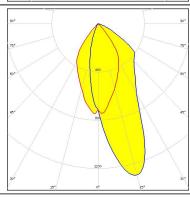
bridgelux.

LED V13 Gen7
FWHM Asymmetric
Efficiency 91 %
Peak intensity 1.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 477 Typ L1



PHOTOMETRIC DATA (SIMULATED):

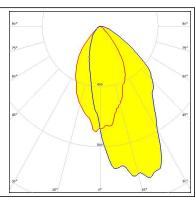
bridgelux

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

LEDs/each optic 1 Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

C11996_LENA-LENS Bender Wirth: 431 Typ L3



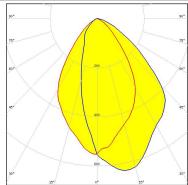
CREE \$

LED CXA/B 30xx FWHM Asymmetric Efficiency 78 %

Efficiency 78 %
Peak intensity cd/lm
LEDs/each optic 1

Light colour White Required components: C11996_LENA-LENS

IDEAL: 50-2234C + 50-2100LN

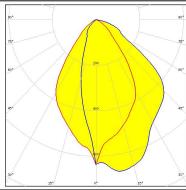


CREE 💠

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

LEDs/each optic 1
Light colour White
Required components:

IDEAL: 50-2234C + 50-2100LN



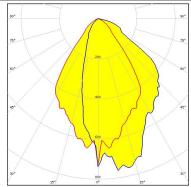
DESCRIPTION LUMILEDS

LED LUXEON CoB 1204/1205

FWHM Asymmetric Efficiency 90 % Peak intensity 0.800 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ



PHOTOMETRIC DATA (SIMULATED):

MUMILEDS

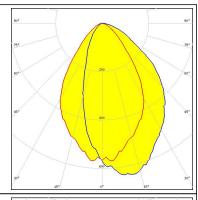
LED LUXEON CoB 1204/1205

FWHM Asymmetric Efficiency 83 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS



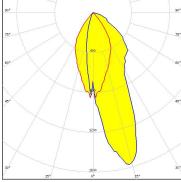
MUMILEDS

LED LUXEON CoB 1208

FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.800 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ



MUMILEDS

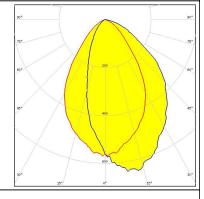
LED LUXEON CoB 1208

FWHM Asymmetric
Efficiency 82 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ

C11996_LENA-LENS



MUMILEDS

LED LUXEON K12 FWHM Asymmetric

Efficiency %
Peak intensity cd/lm
LEDs/each optic 1

Light colour White Required components:

C12924_LENA-STD-BASE-LUXEON-K



PHOTOMETRIC DATA (SIMULATED):

MUMILEDS

LED LUXEON K12 FWHM Asymmetric

Efficiency %
Peak intensity cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12924_LENA-STD-BASE-LUXEON-K

MUMILEDS

LED LUXEON K16 FWHM Asymmetric

Efficiency %
Peak intensity cd/lm

LEDs/each optic 1 Light colour White Required components:

C12924_LENA-STD-BASE-LUXEON-K

C11996_LENA-LENS

MUMILEDS

LED LUXEON K16 FWHM Asymmetric

Efficiency %
Peak intensity cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12924_LENA-STD-BASE-LUXEON-K

ELUMINUS

LED CxM-14 (19x19)
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.570 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1

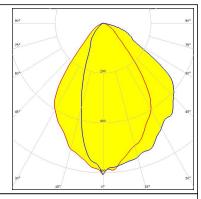
PHOTOMETRIC DATA (SIMULATED):

OSRAM

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

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030



SEOUL SEMICONDUCTOR

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

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1

SHARP

LED Mega Zenigata (GW5DGC)

FWHM Asymmetric

Efficiency %
Peak intensity cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ

SHARP

LED Mega Zenigata (GW5DGC)

FWHM Asymmetric

Efficiency %
Peak intensity cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ



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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LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

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