

LENINA-XW

White version with ~75° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions Ø 74.0 mm

Height 40 mm

Fastening socket

Colour white

Box size 476 x 273 x 197 mm

Box weight 2 kg Quantity in Box 60 pcs yes 🕕 ROHS compliant



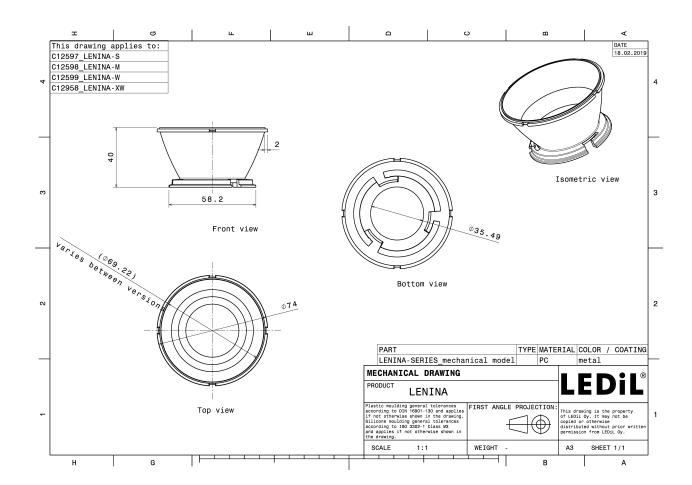
MATERIAL SPECIFICATIONS:

Component **Type** Material Colour Coating

LENINA-XW Reflector **HRPC** white

1/41

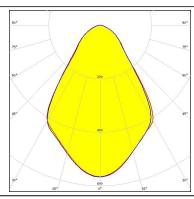






PHOTOMETRIC DATA (MEASURED):

bridgelux LED **BXRA ES Rectangle FWHM** 73.0° 84 % Efficiency Peak intensity 0.570 cd/lm LEDs/each optic 1 Light colour White Required components: C12153_LENA-STD-BASE-BXRA C12606_LENINA-DL



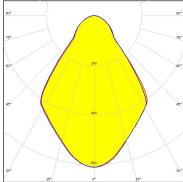
bridgelux.

LED **BXRA ES Rectangle**

FWHM 74.0° 89 % Efficiency Peak intensity 0.610 cd/lm

LEDs/each optic 1 White Light colour Required components:

C12153_LENA-STD-BASE-BXRA

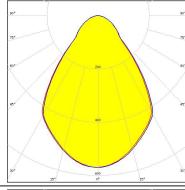


bridgelux

LED **BXRARS FWHM** 76.0° Efficiency 91 % Peak intensity 0.570 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12229_LENA-STD-BASE-RS



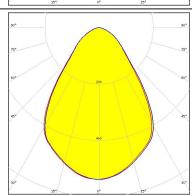
bridgelux.

LED **BXRA RS FWHM** 87.0° Efficiency 87 % 0.539 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C12229_LENA-STD-BASE-RS

C12606_LENINA-DL





PHOTOMETRIC DATA (MEASURED):



LED V10 Gen6
FWHM 69.0°
Efficiency 86 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13186_LENA-STD-BASE-CXA15

C12606_LENINA-DL



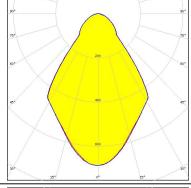
bridgelux.

LED V4 HD
FWHM 71.0°
Efficiency 93 %
Peak intensity 0.690 cd/lm

LEDs/each optic 1 Light colour White Required components:

C14146_LENA-STD-BASE-CXA18





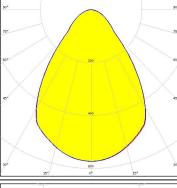
bridgelux

LED Vero SE 29 FWHM 76.0° Efficiency 93 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C15083_LENA-STD-BASE-VERO29





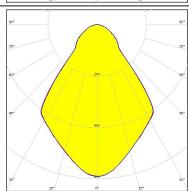
bridgelux.

LED VERO13
FWHM 76.0°
Efficiency 91 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1

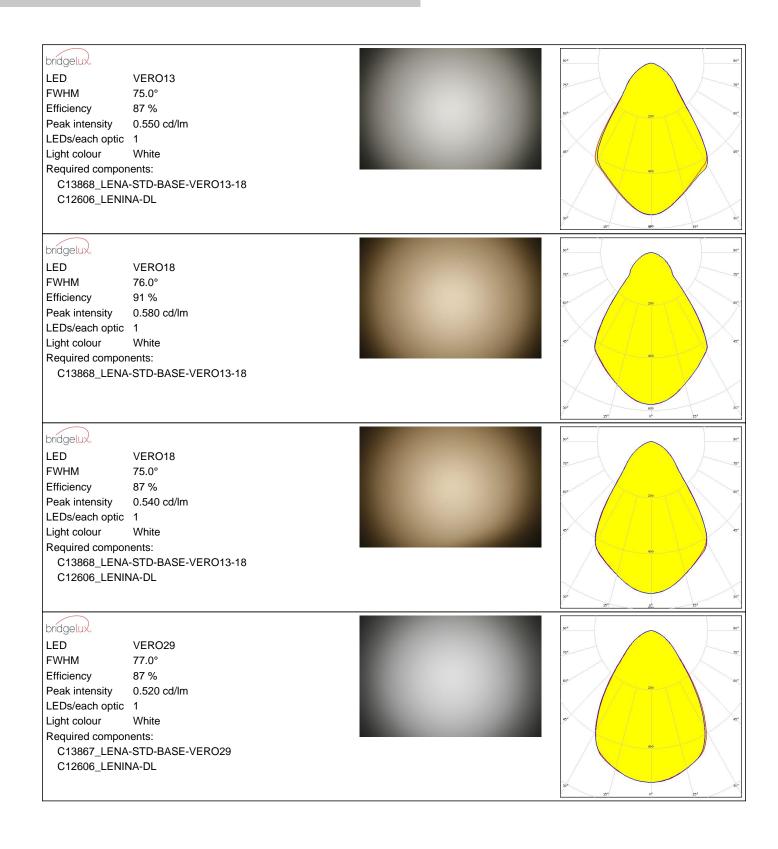
LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18









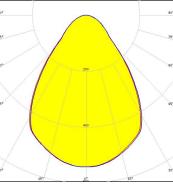


PHOTOMETRIC DATA (MEASURED):



C13867_LENA-STD-BASE-VERO29



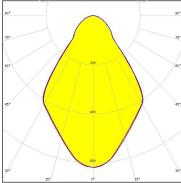


CITIZEN

LED CL-L340
FWHM 72.0°
Efficiency 86 %
Peak intensity 0.619 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C11995_LENA-STD-BASE-CL340



CITIZEN

 LED
 CL-L340

 FWHM
 71.0°

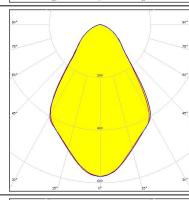
 Efficiency
 82 %

 Peak intensity
 0.575 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C11995_LENA-STD-BASE-CL340

C12606_LENINA-DL



CITIZEN

LED CLL02x/CLU02x (LES10)

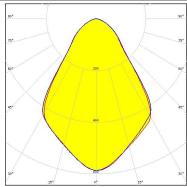
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

C12606_LENINA-DL Bender Wirth: 434 Typ L1







PHOTOMETRIC DATA (MEASURED):

CITIZEN

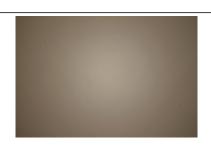
LED CLL02x/CLU02x (LES10)

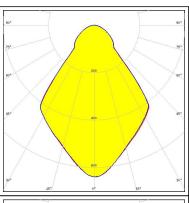
FWHM 75.0° Efficiency 93 % Peak intensity 0.640 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 434 Typ L1





CITIZEN

LED CLL03x/CLU03x

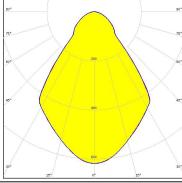
FWHM 75.0°
Efficiency 94 %
Peak intensity 0.620 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1





CITIZEN

LED CLL03x/CLU03x

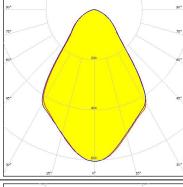
FWHM 72.0° Efficiency 88 % Peak intensity 0.610 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030

C12606_LENINA-DL





CITIZEN

LED CLL03x/CLU03x

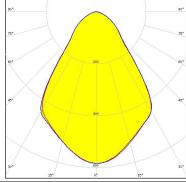
FWHM 74.0°
Efficiency 89 %
Peak intensity 0.580 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

C12606_LENINA-DL Bender Wirth: 433 Typ L1







PHOTOMETRIC DATA (MEASURED):

CITIZEN

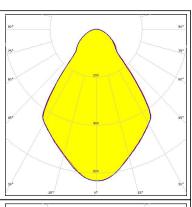
LED CLL03x/CLU03x

FWHM 74.0°
Efficiency 93 %
Peak intensity 0.630 cd/lm
LEDs/each optic 1

Light colour White Required components:

C12691_LENA-STD-BASE-CLL030





CITIZEN

LED CLL04x/CLU04x

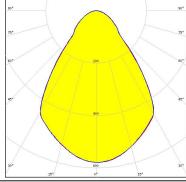
FWHM 75.0° Efficiency 93 % Peak intensity 0.580 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 431 Typ L3





CITIZEN

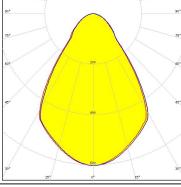
LED CLL04x/CLU04x

FWHM 72.0° Efficiency 91 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

IDEAL: 50-2204CT + 50-2100LN





CITIZEN

LED CLL04x/CLU04x

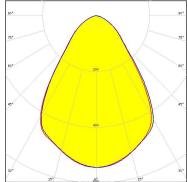
FWHM 75.0°
Efficiency 89 %
Peak intensity 0.540 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

C12606_LENINA-DL Bender Wirth: 431 Typ L3







PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL04x/CLU04x

FWHM 71.0° 84 % Efficiency Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12692_LENA-STD-BASE-CLL040

C12606_LENINA-DL

CITIZEN

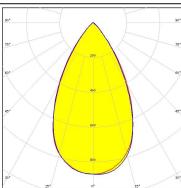
LED CLL04x/CLU04x

FWHM 73.0° 81 % Efficiency Peak intensity 0.500 cd/lm

LEDs/each optic 1 Light colour White Required components: C12606_LENINA-DL

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





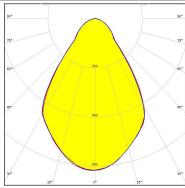
CITIZEN

LED CLL04x/CLU04x

FWHM 71.0° Efficiency 89 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12692_LENA-STD-BASE-CLL040



CITIZEN

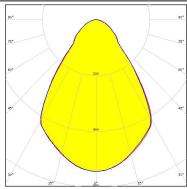
CLL04x/CLU04x

FWHM 74.0° Efficiency 84 % Peak intensity 0.500 cd/lm

LEDs/each optic 1 White Light colour Required components:

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







PHOTOMETRIC DATA (MEASURED):

CITIZEN

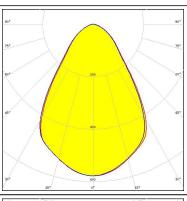
LED CLL04x/CLU04x

FWHM 71.0°
Efficiency 88 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1

Light colour White Required components: C12606_LENINA-DL

IDEAL: 50-2204CT + 50-2100LN





CITIZEN

 LED
 CLU700/701

 FWHM
 75.0°

 Efficiency
 93 %

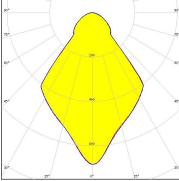
 Peak intensity
 0.680 cd/lm

Peak intensity 0.680 cd, LEDs/each optic 1 Light colour White

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

Bender Wirth: 434 Typ L1





CITIZEN

 LED
 CLU700/701

 FWHM
 73.0°

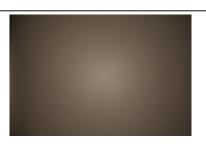
 Efficiency
 89 %

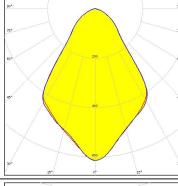
 Peak intensity
 0.610 cd/lm

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
 CLU710/711

 FWHM
 75.0°

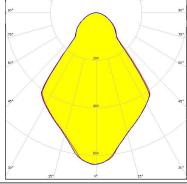
 Efficiency
 94 %

 Peak intensity
 0.640 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030







PHOTOMETRIC DATA (MEASURED):

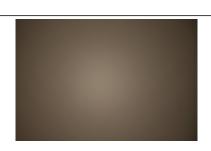
CITIZEN

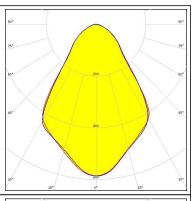
LED CLU710/711
FWHM 73.0°
Efficiency 90 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030

C12606_LENINA-DL





CITIZEN

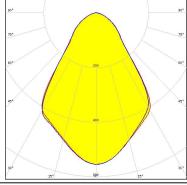
LED CLU720/721
FWHM 73.0°
Efficiency 85 %
Peak intensity 0.560 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030

C12606_LENINA-DL





CITIZEN

 LED
 CLU720/721

 FWHM
 74.0°

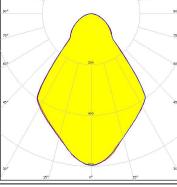
 Efficiency
 89 %

 Peak intensity
 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030





CITIZEN

 LED
 CLU730/731

 FWHM
 71.0°

 Efficiency
 84 %

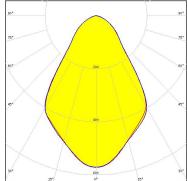
 Peak intensity
 0.570 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040

C12606_LENINA-DL







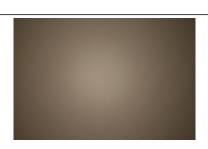
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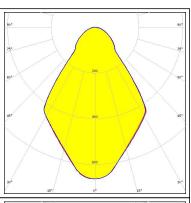
CITIZEN

LED CLU730/731
FWHM 72.0°
Efficiency 94 %
Peak intensity 0.660 cd/lm
LEDs/each optic 1

Light colour White Required components:

C12692_LENA-STD-BASE-CLL040





CREE \$

 LED
 CMA1840

 FWHM
 71.0°

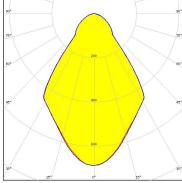
 Efficiency
 93 %

 Peak intensity
 0.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C14146_LENA-STD-BASE-CXA18





CREE 💠

 LED
 CMA2550

 FWHM
 71.0°

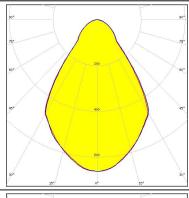
 Efficiency
 94 %

 Peak intensity
 0.650 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13324_LENA-STD-BASE-CXA25





CREE 🕏

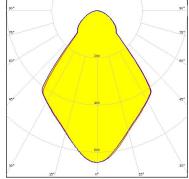
LED CMT14xx
FWHM 75.0°
Efficiency 94 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 434 Typ L1







PHOTOMETRIC DATA (MEASURED):

CREE 💠

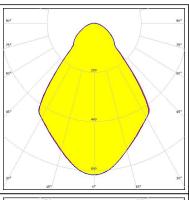
LED CMT19xx
FWHM 75.0°
Efficiency 94 %
Peak intensity 0.618 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 477 Typ L1





CREE &

 LED
 CMT19xx

 FWHM
 74.0°

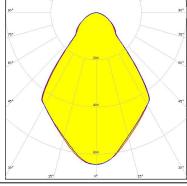
 Efficiency
 94 %

 Peak intensity
 0.644 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030





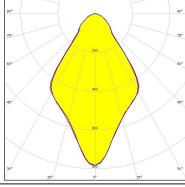
CREE 🚓

LED CXA/B 15xx FWHM 70.0°
Efficiency 91 %
Peak intensity 0.800 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13186_LENA-STD-BASE-CXA15





CREE 🕏

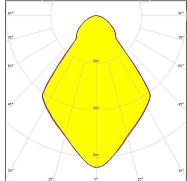
LED CXA/B 15xx FWHM 75.0°
Efficiency 93 %
Peak intensity 0.640 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 441 Typ L1







PHOTOMETRIC DATA (MEASURED):

CREE 🕏

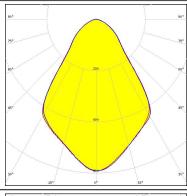
LED CXA/B 15xx
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1

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 %

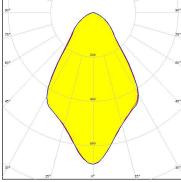
 Peak intensity
 0.700 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13186_LENA-STD-BASE-CXA15

C12606_LENINA-DL





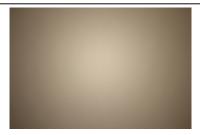
CREE ÷

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

FWHM 73.0° Efficiency 94 % Peak intensity 0.790 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 73.0° Efficiency 94 % Peak intensity 0.790 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C14146_LENA-STD-BASE-CXA18

C12606_LENINA-DL



PHOTOMETRIC DATA (MEASURED):

CREE 🕏

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

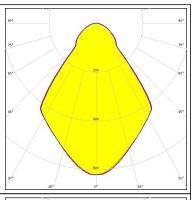
FWHM 75.0° Efficiency 93 % Peak intensity 0.620 cd/lm

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

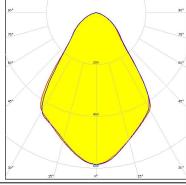
FWHM 74.0°
Efficiency 89 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1

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
 74.0°

 Efficiency
 89 %

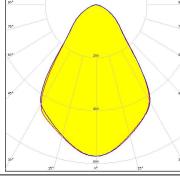
 Peak intensity
 0.570 cd/lm

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 0.600 cd/lm

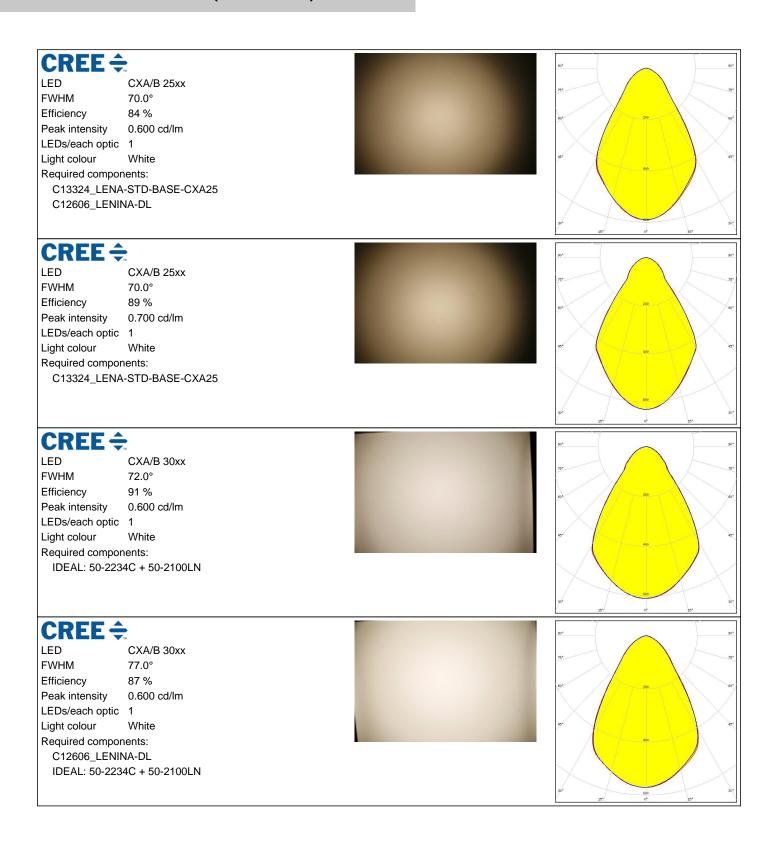
LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 437 Typ L1









PHOTOMETRIC DATA (MEASURED):

CREE 🕏

 LED
 CXA2011

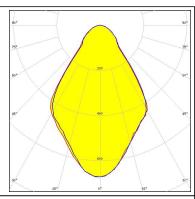
 FWHM
 72.0°

 Efficiency
 87 %

 Peak intensity
 0.700 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12105_LENA-STD-BASE-CXA20



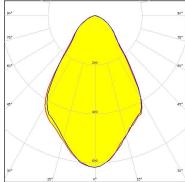
CREE ÷

LED CXA2011
FWHM 70.0°
Efficiency 82 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12105_LENA-STD-BASE-CXA20

C12606_LENINA-DL



EVERLIGHT

LED CHI3030 19W

FWHM 75.0° Efficiency 94 % Peak intensity 0.550 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 0.520 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13867_LENA-STD-BASE-VERO29

C12606_LENINA-DL Bender Wirth: 468 Typ L3





PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1202/1203

FWHM 74.0° Efficiency 89 % Peak intensity 0.590 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



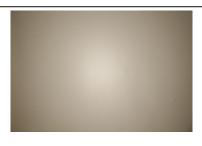
FWHM 93 % Efficiency 0.630 cd/lm Peak intensity

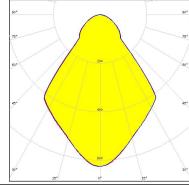
LED

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 438 Typ L1





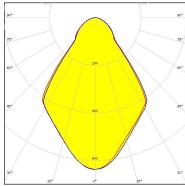
LUMILEDS

LED LUXEON CoB 1204/1205

FWHM 73.0° Efficiency 90 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ



MUMILEDS

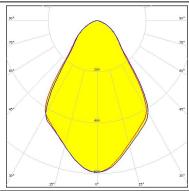
LED LUXEON CoB 1204/1205

FWHM 71.0° 86 % Efficiency 0.600 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C12292_LENA-STD-BASE-MEZ

C12606_LENINA-DL





PHOTOMETRIC DATA (MEASURED):



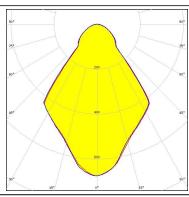
LED LUXEON CoB 1204HD

FWHM 74.0°
Efficiency 94 %
Peak intensity 0.680 cd/lm
LEDs/each optic 1

C11981_LENA-STD-BASE-COB-L110

White





MUMILEDS

Required components:

Light colour

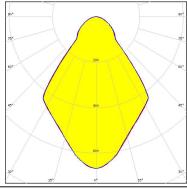
LED LUXEON CoB 1205HD

FWHM 74.0°
Efficiency 94 %
Peak intensity 0.670 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

C11981_LENA-STD-BASE-COB-L110





MILEDS

LED LUXEON CoB 1208

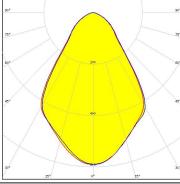
FWHM 72.0° Efficiency 86 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ

C12606_LENINA-DL





MUMILEDS

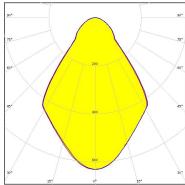
LED LUXEON CoB 1208

FWHM 73.0° Efficiency 91 % Peak intensity 0.600 cd/lm

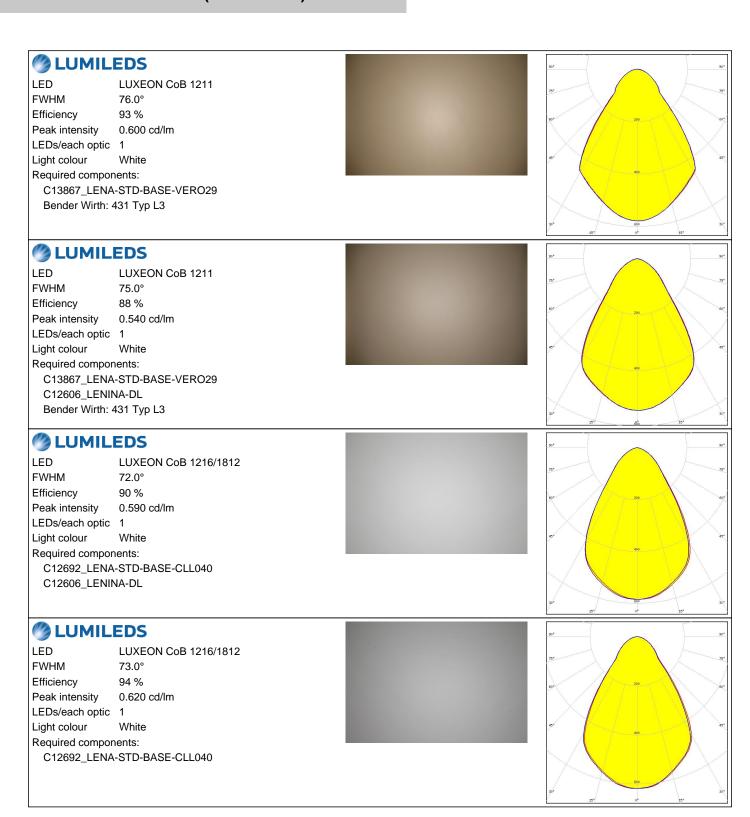
LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ











PHOTOMETRIC DATA (MEASURED):



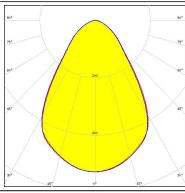
LED LUXEON CoB 1216/1812

FWHM 73.0° Efficiency 83 % Peak intensity 0.530 cd/lm LEDs/each optic 1

Light colour White Required components: C12606_LENINA-DL

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





MILEDS

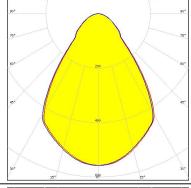
LED LUXEON CoB 1216/1812

FWHM 74.0° Efficiency 88 % Peak intensity 0.560 cd/lm

LEDs/each optic 1 Light colour White Required components:

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



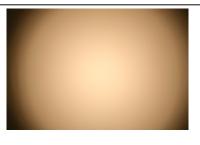


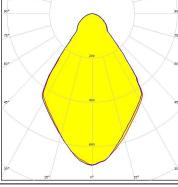
UMILEDS

LED LUXEON K12 FWHM 72.0° Efficiency 90 %

Peak intensity 0.700 cd/lm LEDs/each optic 1 Light colour White Required components:

C12924_LENA-STD-BASE-LUXEON-K





DESCRIPTION LUMILEDS

LED LUXEON K12

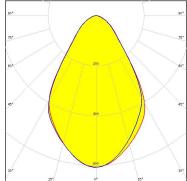
FWHM 68.0° Efficiency 83 % Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

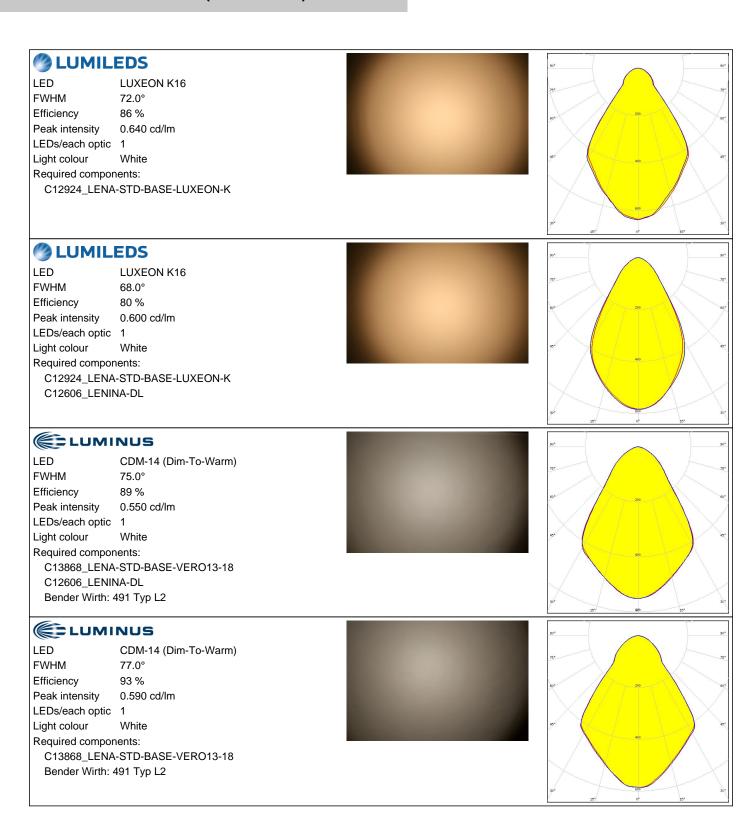
C12924_LENA-STD-BASE-LUXEON-K

C12606_LENINA-DL

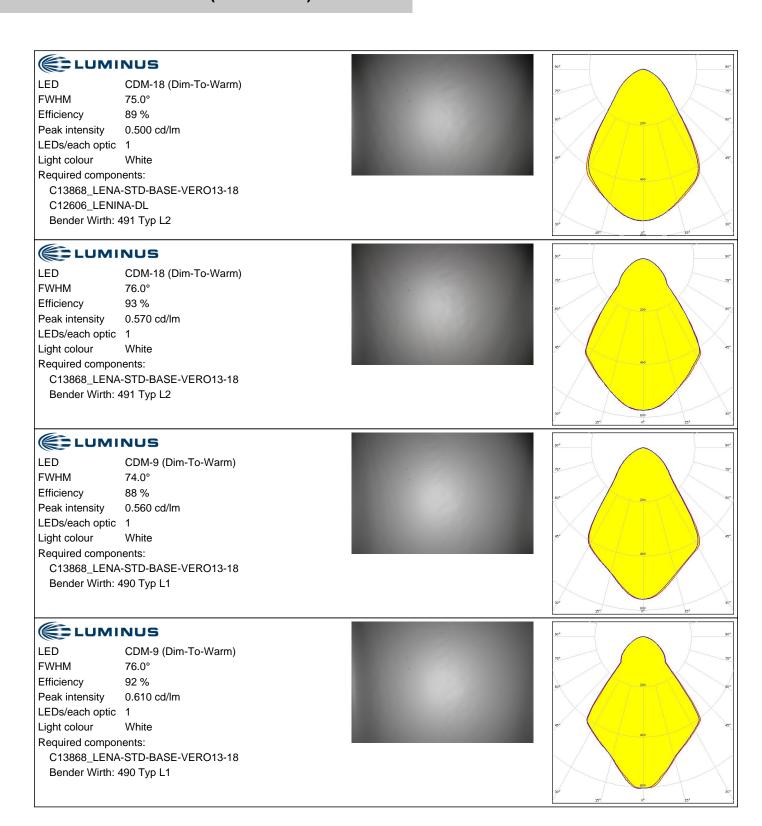














PHOTOMETRIC DATA (MEASURED):



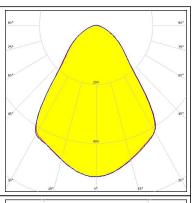
Efficiency 87 %
Peak intensity 0.510 cd/lm

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)

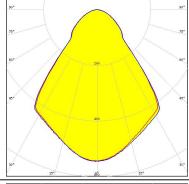
FWHM 77.0° Efficiency 92 % Peak intensity 0.550 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 442 Typ L3





ELUMINUS

LED CTM-18 (Tunable White)

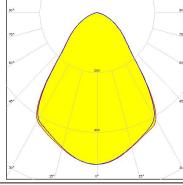
FWHM 77.0° Efficiency 87 % Peak intensity 0.500 cd/lm

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)

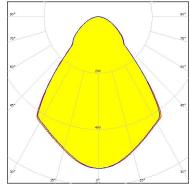
FWHM 78.0°
Efficiency 92 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

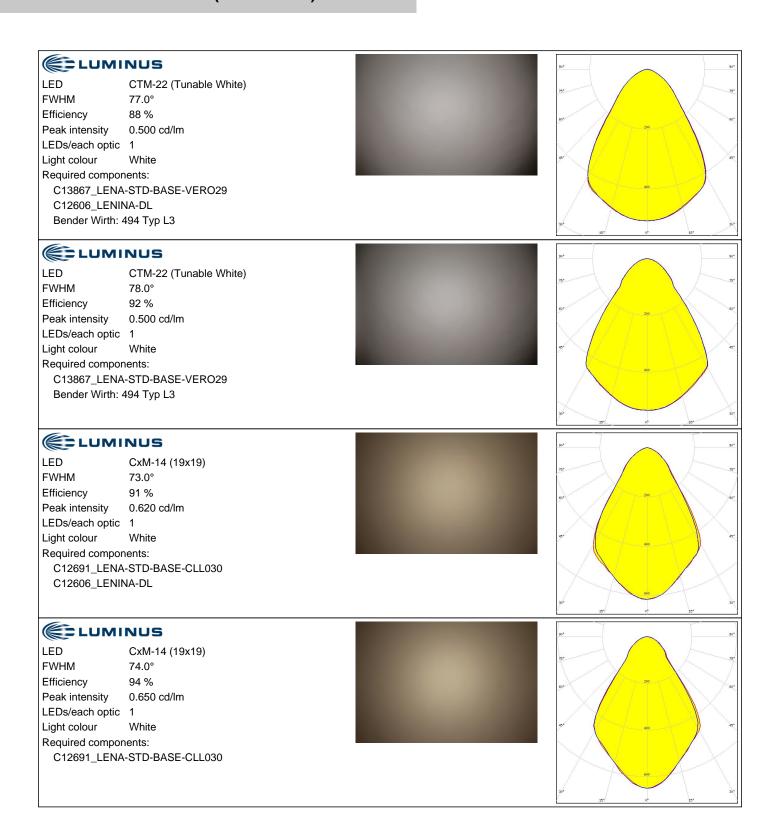
C13867_LENA-STD-BASE-VERO29

Bender Wirth: 442 Typ L3











PHOTOMETRIC DATA (MEASURED):



LED CxM-22 (28x28)

FWHM 73.0° Efficiency 91 % Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040

C12606_LENINA-DL

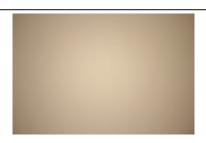
ELUMINUS

LED CxM-22 (28x28)

FWHM 73.0° Efficiency 94 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12692_LENA-STD-BASE-CLL040



WNICHIA

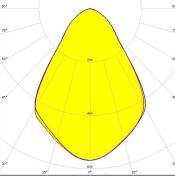
LED COB J-Type
FWHM 74.0°
Efficiency 89 %
Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

C12606_LENINA-DL Bender Wirth: 463 Typ L2





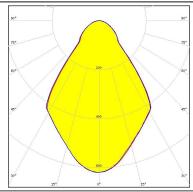
*M***NICHIA**

LED COB J-Type
FWHM 73.0°
Efficiency 89 %
Peak intensity 0.620 cd/lm

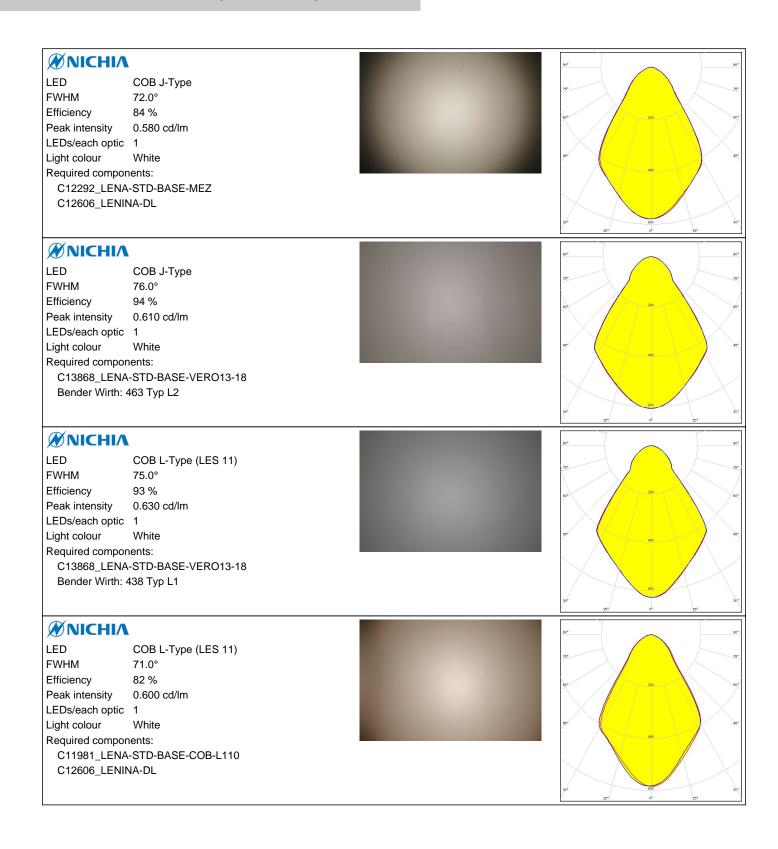
LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ

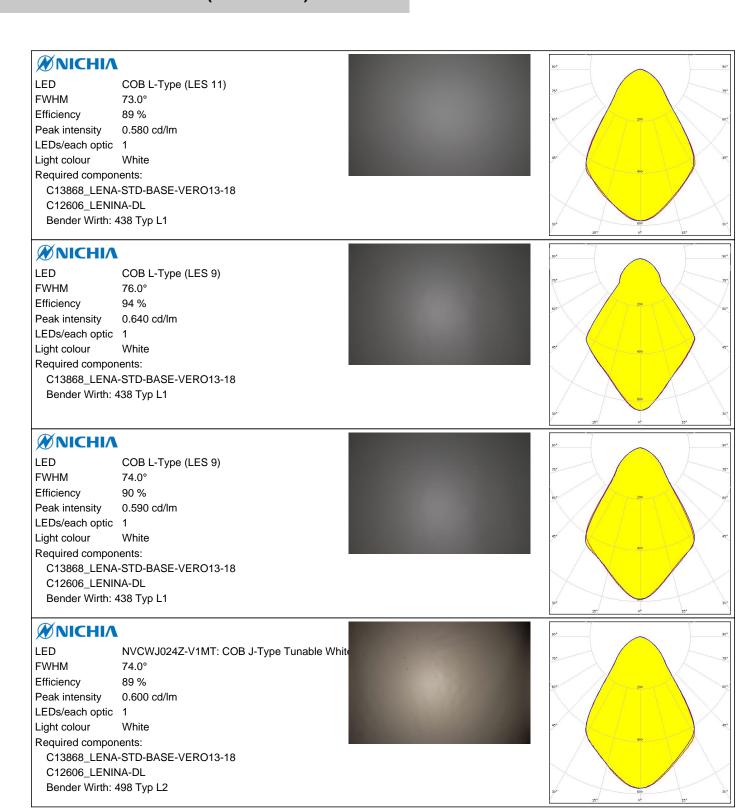




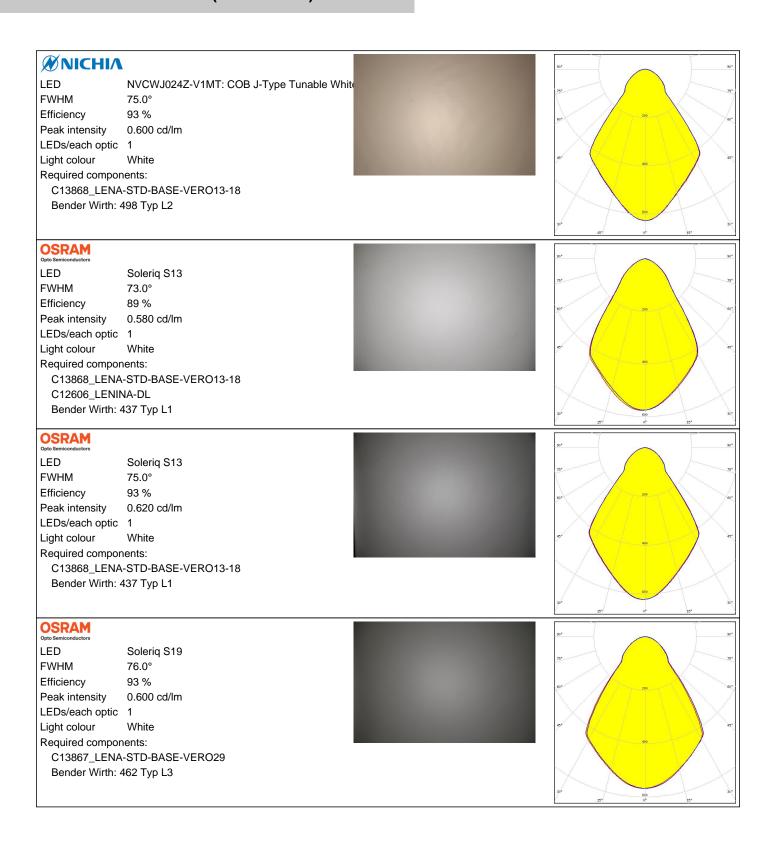














PHOTOMETRIC DATA (MEASURED):

OSRAM

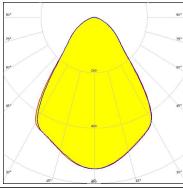
Department of the control of the con

LEDs/each optic 1
Light colour White
Required components:

C13867_LENA-STD-BASE-VERO29

C12606_LENINA-DL Bender Wirth: 462 Typ L3





PHILIPS

LED Fortimo SLM L13 CoB

FWHM 71.0° Efficiency 88 % Peak intensity 0.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ

C12606_LENINA-DL



PHILIPS

LED Fortimo SLM L13 CoB

FWHM 74.0°
Efficiency 94 %
Peak intensity 0.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ



PHILIPS

LED Fortimo SLM L15 CoB

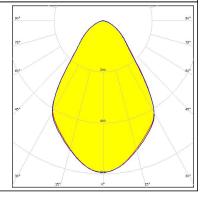
FWHM 72.0° Efficiency 88 % Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ

C12606_LENINA-DL







PHOTOMETRIC DATA (MEASURED):

PHILIPS

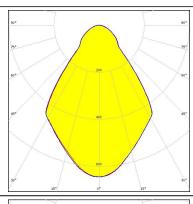
LED Fortimo SLM L15 CoB

FWHM 73.0°
Efficiency 93 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1

Light colour White Required components:

C12292_LENA-STD-BASE-MEZ





PHILIPS

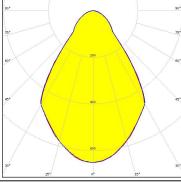
LED Fortimo SLM L19 CoB

FWHM 72.0° Efficiency 94 % Peak intensity 0.650 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040





PHILIPS

LED Fortimo SLM L19 CoB

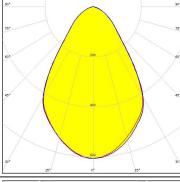
FWHM 71.0° Efficiency 88 % Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040

C12606_LENINA-DL





PHILIPS

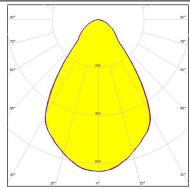
LED Fortimo SLM L23 CoB

FWHM 72.0° Efficiency 94 % Peak intensity 0.600 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

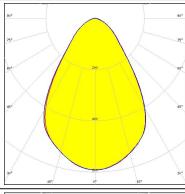
FWHM 71.0° Efficiency 88 % Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12692_LENA-STD-BASE-CLL040

C12606_LENINA-DL





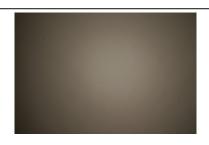
SAMSUNG

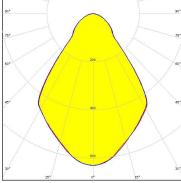
LED COB D Series LES 14.5 mm

FWHM 74.0° Efficiency 94 % Peak intensity 0.630 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030





SAMSUNG

LED COB D Series LES 14.5 mm

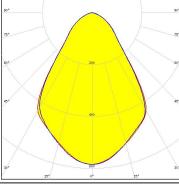
FWHM 73.0° Efficiency 89 % Peak intensity 0.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030

C12606_LENINA-DL





SAMSUNG

LED LC026B / 033B / 040B

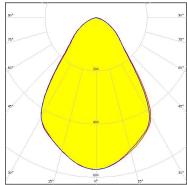
FWHM 74.0°
Efficiency 90 %
Peak intensity 0.570 cd/lm

LEDs/each optic 1 Light colour White Required components:

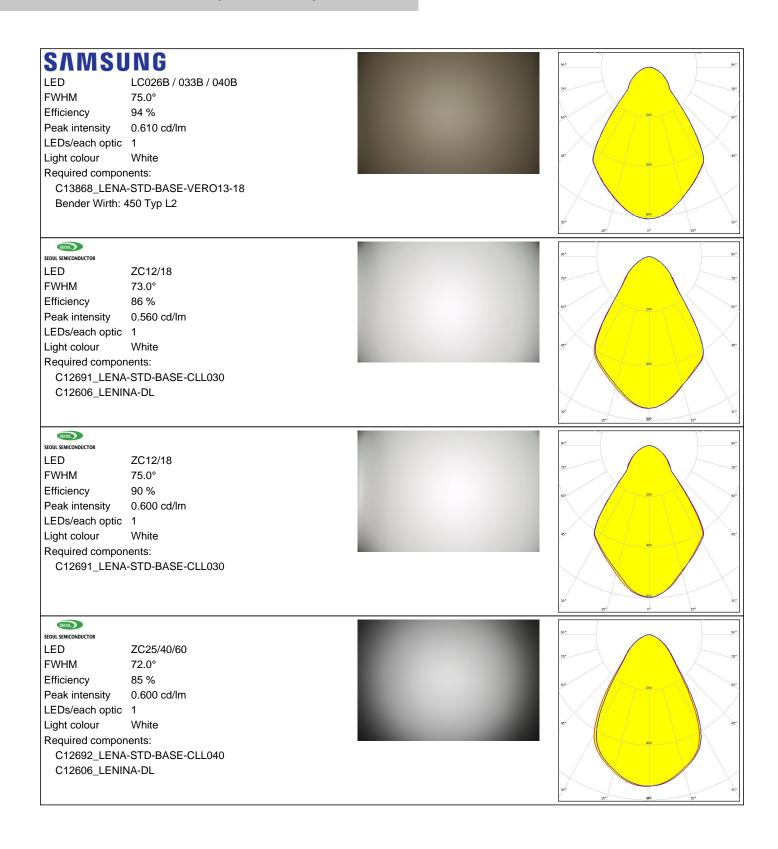
C13868_LENA-STD-BASE-VERO13-18

C12606_LENINA-DL Bender Wirth: 450 Typ L2











PHOTOMETRIC DATA (MEASURED):

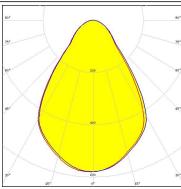


LED ZC25/40/60 **FWHM** 73.0° Efficiency 89 % Peak intensity 0.600 cd/lm LEDs/each optic 1

Light colour White Required components:

C12692_LENA-STD-BASE-CLL040





LED Mega Zenigata (GW5DGC)

FWHM 73.0° 90 % Efficiency Peak intensity 0.630 cd/lm

LEDs/each optic 1 White Required components:

C12292_LENA-STD-BASE-MEZ

Light colour

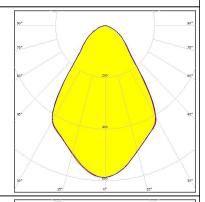
LED Mega Zenigata (GW5DGC)

FWHM 72.0° Efficiency 86 % Peak intensity 0.588 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12292_LENA-STD-BASE-MEZ

C12606_LENINA-DL

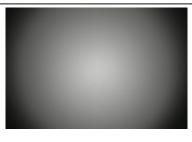


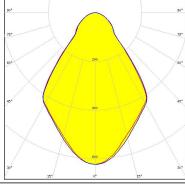
LED Mega Zenigata (GW6DME)

FWHM 73.0° Efficiency 89 % 0.620 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C12292_LENA-STD-BASE-MEZ







PHOTOMETRIC DATA (MEASURED):

SHARP

LED Mega Zenigata (GW6DME)

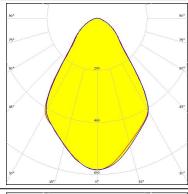
FWHM 72.0°
Efficiency 85 %
Peak intensity 0.580 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12292_LENA-STD-BASE-MEZ

C12606_LENINA-DL





TRIDONIC

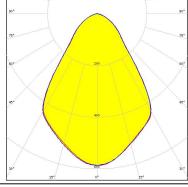
LED SLE G7 LES15

FWHM 73.0° Efficiency 90 % Peak intensity 0.590 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C12691_LENA-STD-BASE-CLL030





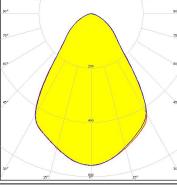
TRIDONIC

LED SLE G7 LES17 H

FWHM 74.0° Efficiency 89 % Peak intensity 0.560 cd/lm

LEDs/each optic 1
Light colour White
Required components:
C14547_LENA-ADAPTER-B





TRIDONIC

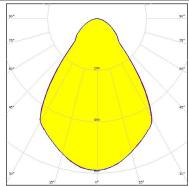
LED SLE G7 LES21 H

FWHM 74.0° Efficiency 93 % Peak intensity 0.590 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C14547_LENA-ADAPTER-B







PHOTOMETRIC DATA (MEASURED):

XICATO

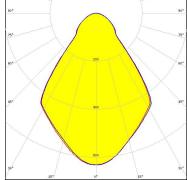
LED XOB 14.5 mm

FWHM 74.0° Efficiency 94 % Peak intensity 0.633 cd/lm

LEDs/each optic 1 Light colour White Required components:

C12691_LENA-STD-BASE-CLL030







PHOTOMETRIC DATA (SIMULATED):

bridgelux

 LED
 V10 Gen7

 FWHM
 71.0°

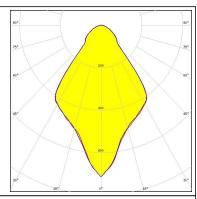
 Efficiency
 86 %

 Peak intensity
 0.720 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°

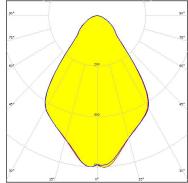
 Efficiency
 86 %

 Peak intensity
 0.600 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

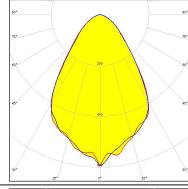
 FWHM
 70.0°

 Efficiency
 83 %

 Peak intensity
 0.603 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°

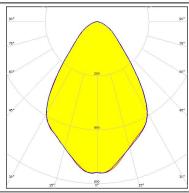
 Efficiency
 82 %

 Peak intensity
 0.570 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





PHOTOMETRIC DATA (SIMULATED):

bridgelux

 LED
 V22 Gen7

 FWHM
 60.0°

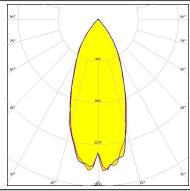
 Efficiency
 89 %

 Peak intensity
 0.000 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13867_LENA-STD-BASE-VERO29

Bender Wirth: 431 Typ L3



bridgelux.

 LED
 V22 Gen7

 FWHM
 60.0°

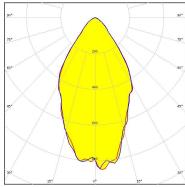
 Efficiency
 85 %

 Peak intensity
 0.894 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13867_LENA-STD-BASE-VERO29

C12606_LENINA-DL Bender Wirth: 431 Typ L3





LED CxM-14 (19x19)

FWHM 74.0° Efficiency 89 % Peak intensity 0.580 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



LED CxM-14 (19x19)

FWHM 75.0° Efficiency 94 % Peak intensity 0.620 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):



LED CxM-9 (13.5x13.5)

FWHM 73.0° 89 % Efficiency Peak intensity 0.590 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13868_LENA-STD-BASE-VERO13-18

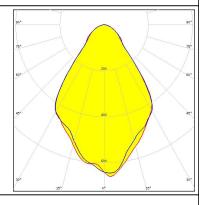
C12606_LENINA-DL Bender Wirth: 434 Typ L1

OSRAM

LED Soleriq S15 **FWHM** 72.0° 87 % Efficiency 0.660 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C12691_LENA-STD-BASE-CLL030



SEOUL

LED ZC12/18 **FWHM** 74.0° Efficiency 89 % Peak intensity 0.580 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



LED ZC12/18 **FWHM** 75.0° 94 % Efficiency Peak intensity 0.620 cd/lm

LEDs/each optic 1 White Light colour Required components:

C13868_LENA-STD-BASE-VERO13-18

Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTO

 LED
 ZC4/6

 FWHM
 73.0°

 Efficiency
 89 %

 Peak intensity
 0.590 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



GENERAL INFORMATION:

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

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

MATERIALS:

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

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