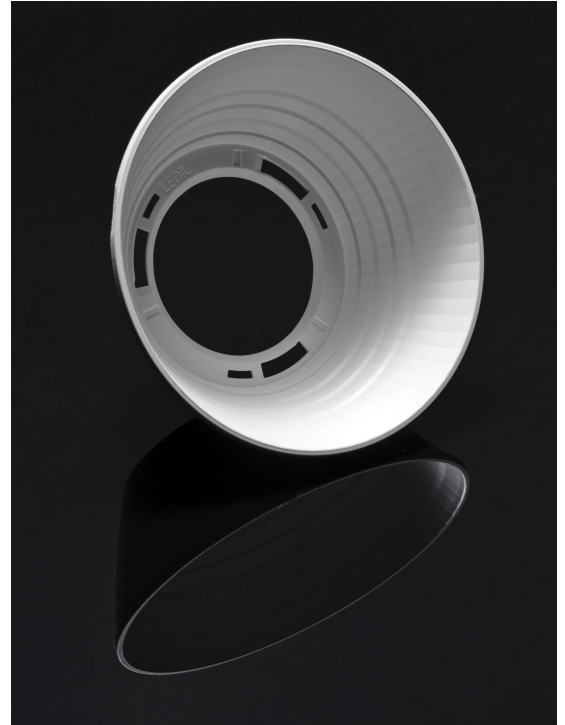


ANGELINA-XW

White version with ~91° wide beam

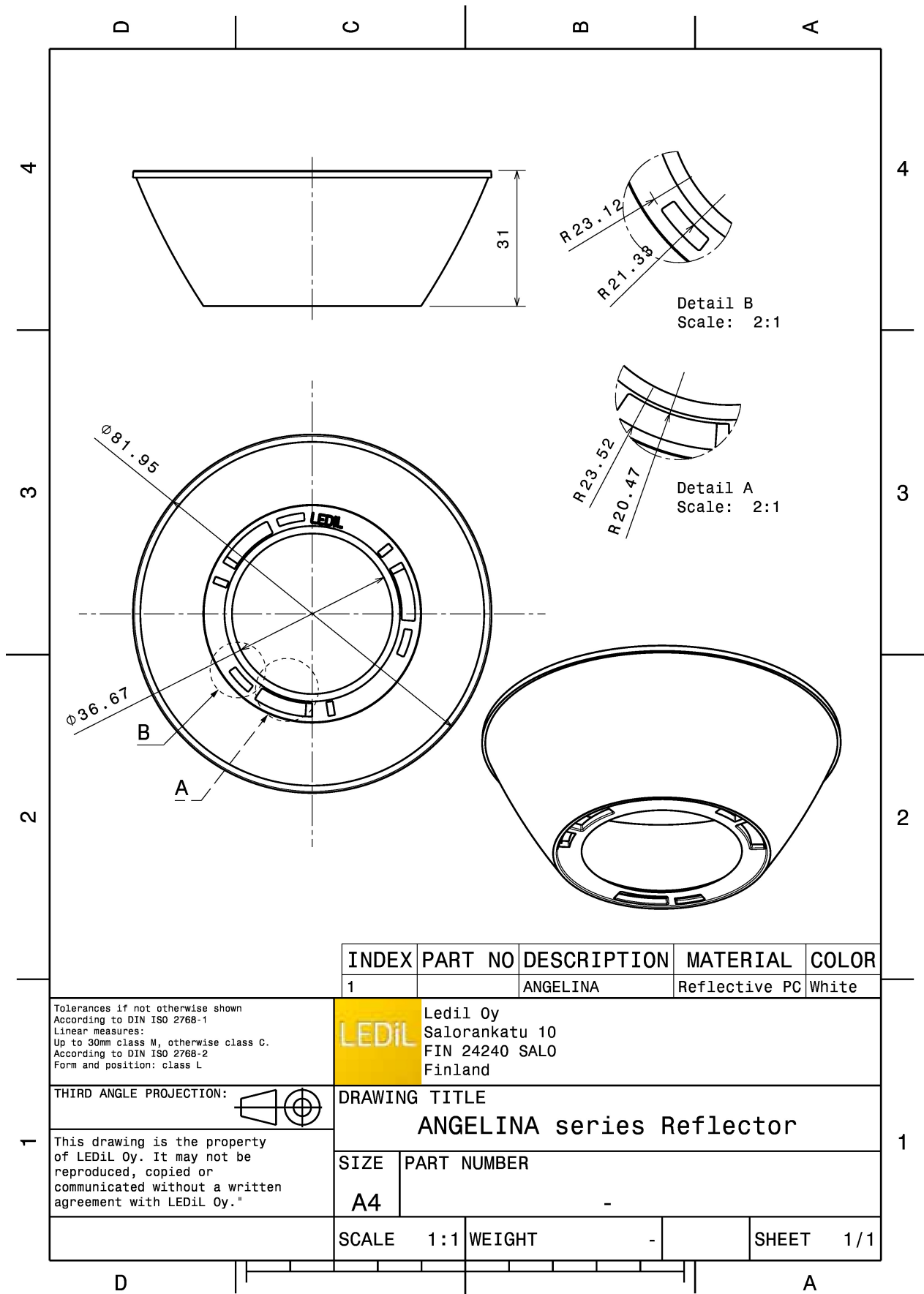
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 82 mm
Height	31 mm
Fastening	
Colour	white
Box size	480 x 280 x 300 mm
Box weight	12.3 kg
Quantity in Box	900 pcs
ROHS compliant	yes ⓘ


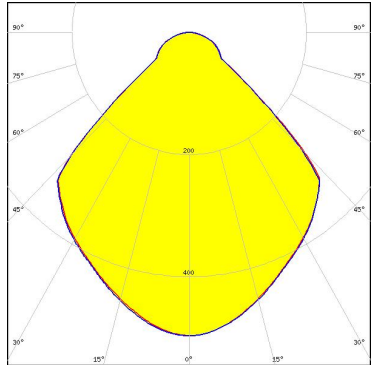

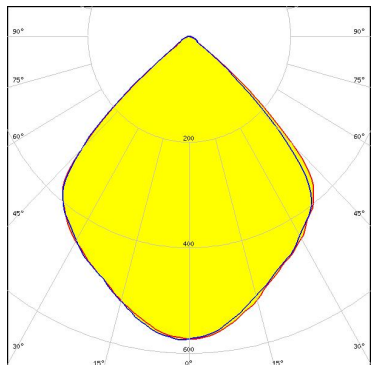
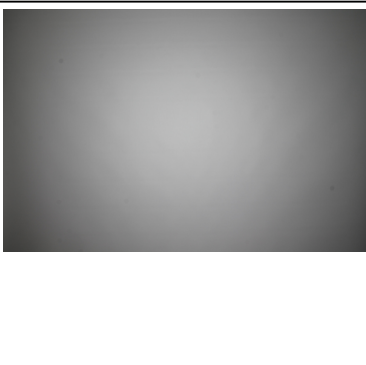
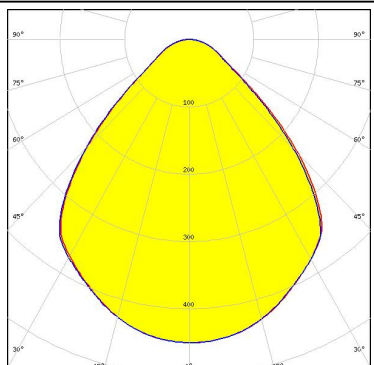
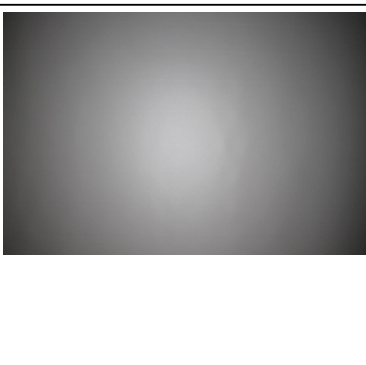
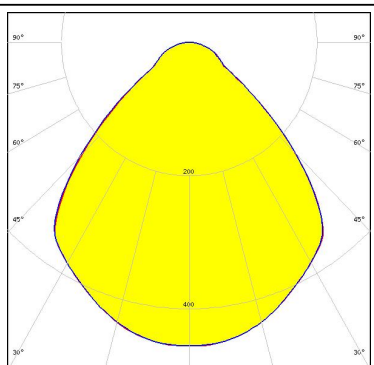


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Coating
ANGELINA-XW	Reflector	HRPC	white	



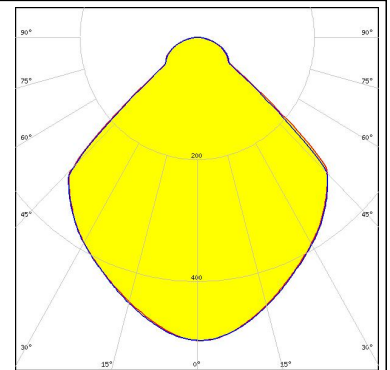
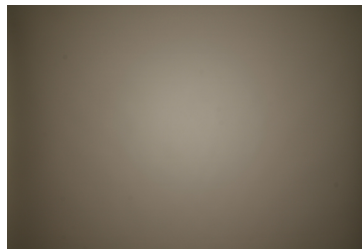
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 92.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.500 cd/lm</p> <p>Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 90.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.580 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 90.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.450 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29 F13671_ANGE-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 91.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.460 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29 LEDiL: LEDiL</p>		

PHOTOMETRIC DATA (MEASURED):

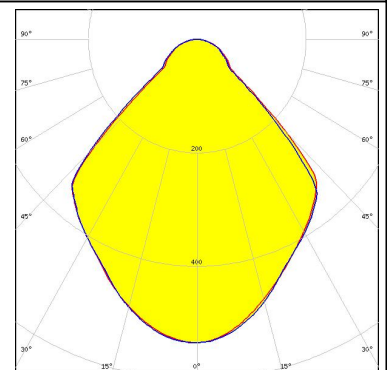
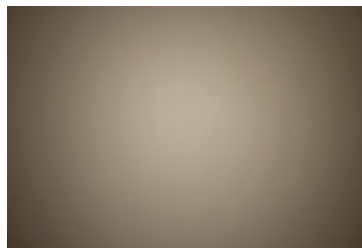
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 94.0°
 Efficiency 95 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 434 Typ L1



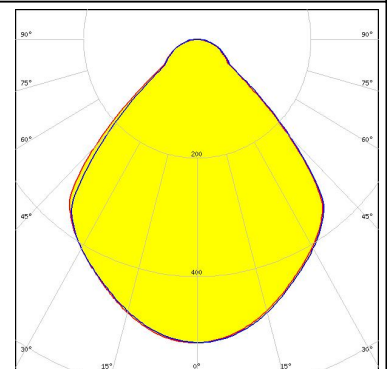
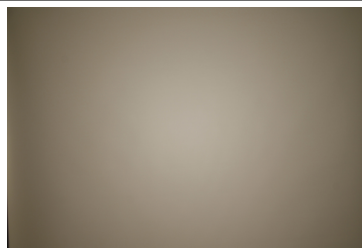
CITIZEN

LED CLL03x/CLU03x
 FWHM 89.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 IDEAL: 50-2103CT + 50-2100AN



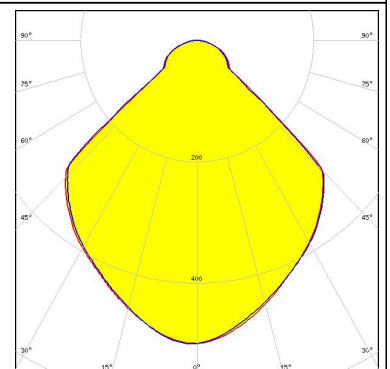
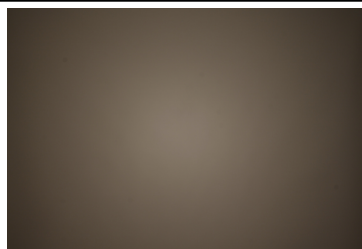
CITIZEN

LED CLL04x/CLU04x
 FWHM 88.0°
 Efficiency 95 %
 Peak intensity 0.510 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



CITIZEN

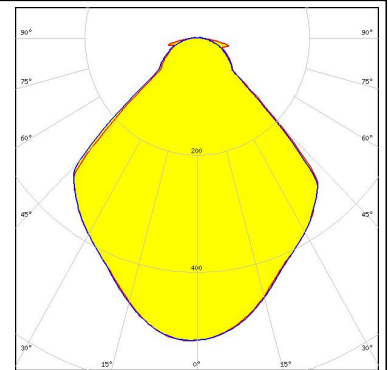
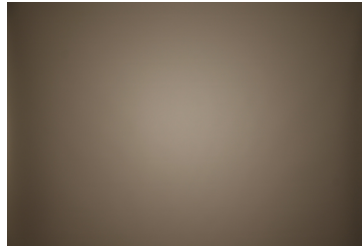
LED CLU700/701
 FWHM 95.0°
 Efficiency 95 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

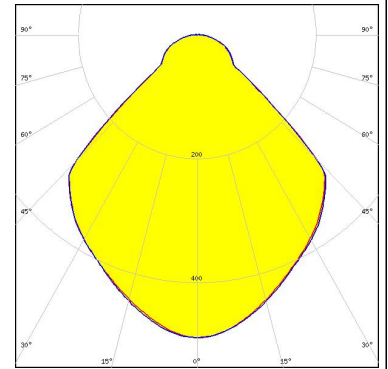
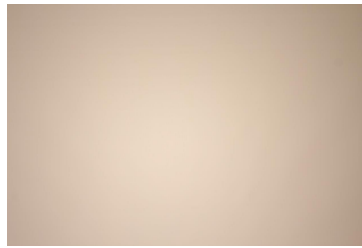
CITIZEN

LED CLU720/721
 FWHM 89.0°
 Efficiency 94 %
 Peak intensity 0.540 cd/lm
 Required components:
 IDEAL: 50-2103CT + 50-2100AN



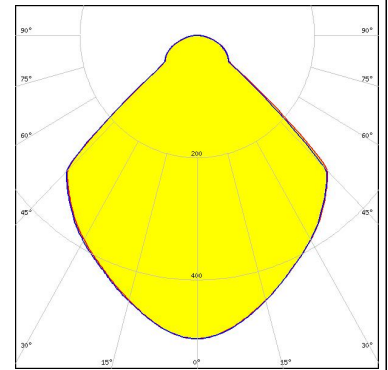
CITIZEN

LED CLU720/721
 FWHM 93.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



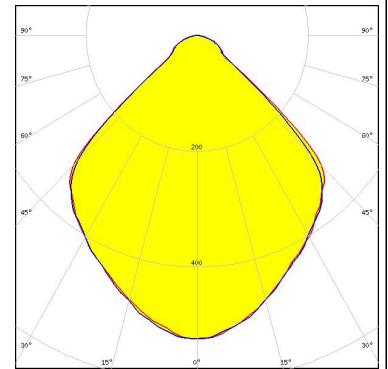
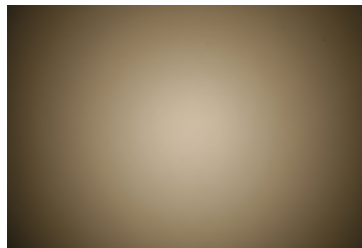
CREE

LED CXA/B 15xx
 FWHM 94.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 441 Typ L1



CREE

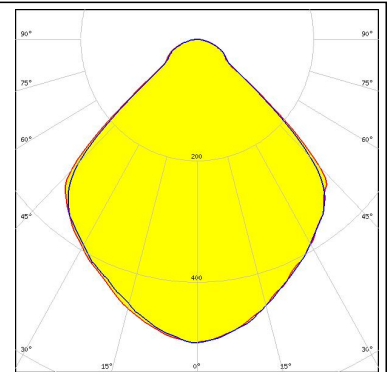
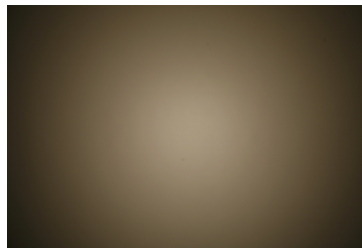
LED CXA/B 15xx
 FWHM 94.0°
 Efficiency 94 %
 Peak intensity 0.530 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 LEDiL: LEDiL



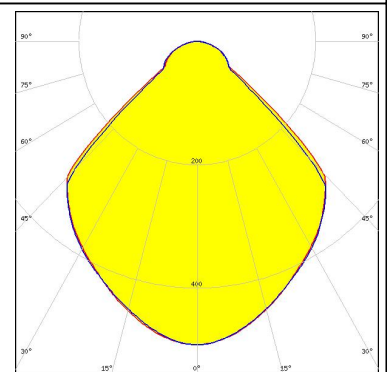
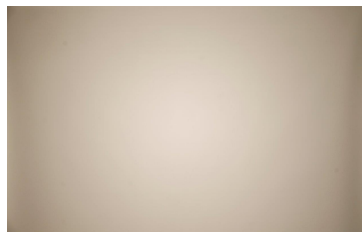
PHOTOMETRIC DATA (MEASURED):



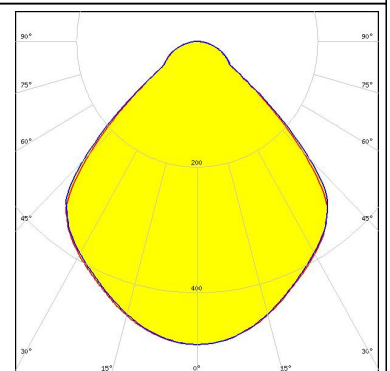
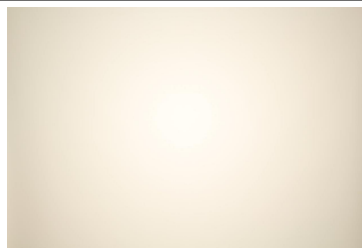
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 94.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 LEDiL: LEDiL



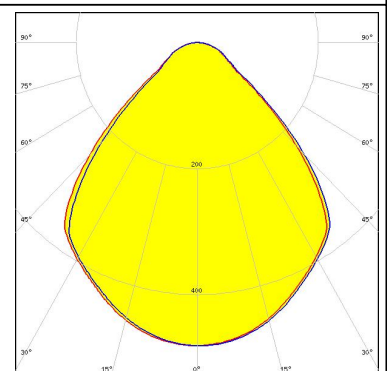
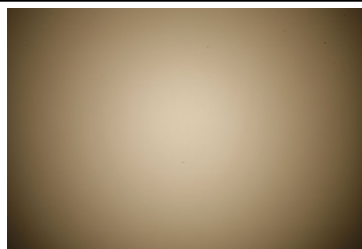
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 94.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1



LED CXA/B 30xx
 FWHM 91.0°
 Efficiency 94 %
 Peak intensity 0.480 cd/lm
 Required components:
 C14036_CLAMP-CXA25-30



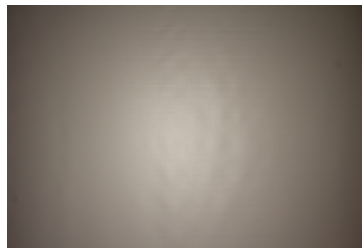
LED CXA/B 3590
 FWHM 90.0°
 Efficiency 94 %
 Peak intensity 0.480 cd/lm
 Required components:
 IDEAL: 50-2303CR + 50-2300AN



PHOTOMETRIC DATA (MEASURED):

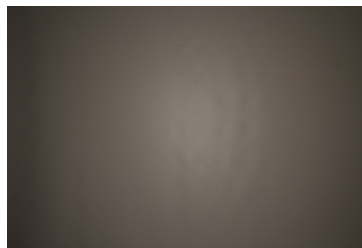
EVERLIGHT

LED CHI3030 19W
 FWHM 88.0°
 Efficiency 91 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 468 Typ L3



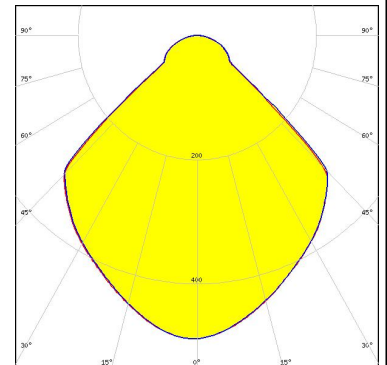
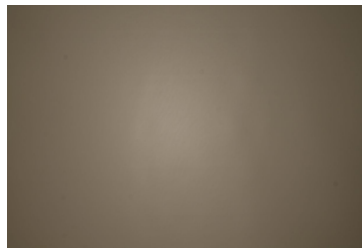
EVERLIGHT

LED CHI3030 29W
 FWHM 89.0°
 Efficiency 91 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 468 Typ L3



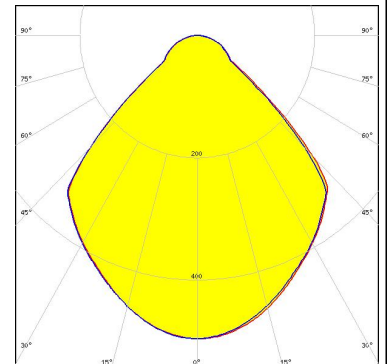
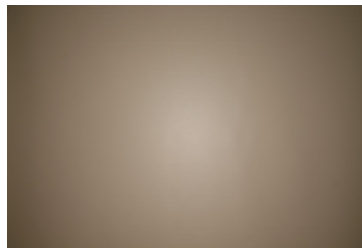
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 95.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 438 Typ L1



LUMILEDS

LED LUXEON CoB 1211
 FWHM 91.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



PHOTOMETRIC DATA (MEASURED):



LED LUXEON K12

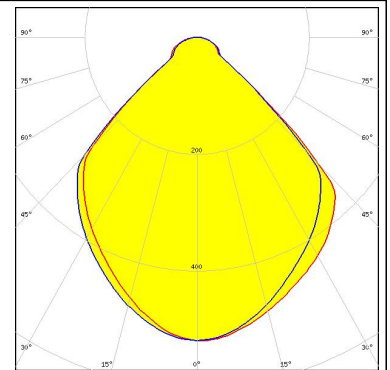
FWHM 92.0°

Efficiency 94 %

Peak intensity 0.520 cd/lm

Required components:

TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON K16

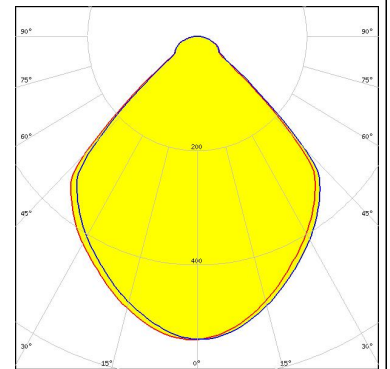
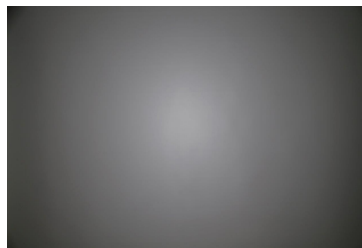
FWHM 90.0°

Efficiency 94 %

Peak intensity 0.530 cd/lm

Required components:

BJB: 47.319.2070



LED CXM-14

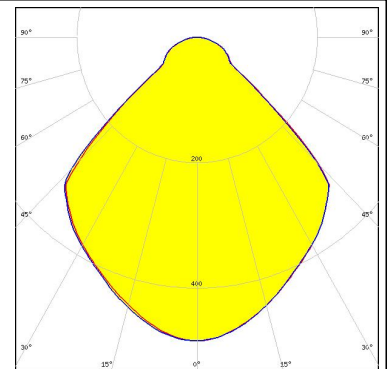
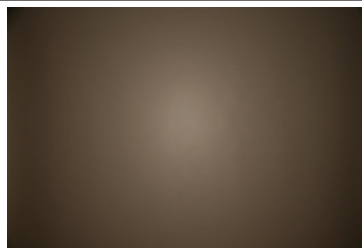
FWHM 93.0°

Efficiency 94 %

Peak intensity 0.480 cd/lm

Required components:

TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED COB J-Type

FWHM 93.0°

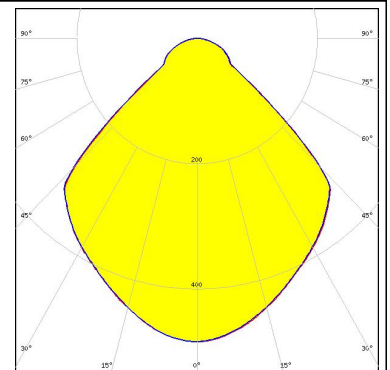
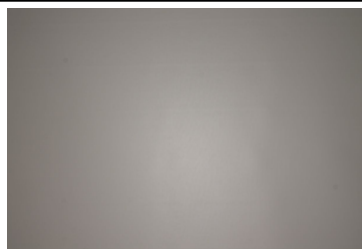
Efficiency 95 %

Peak intensity 0.480 cd/lm


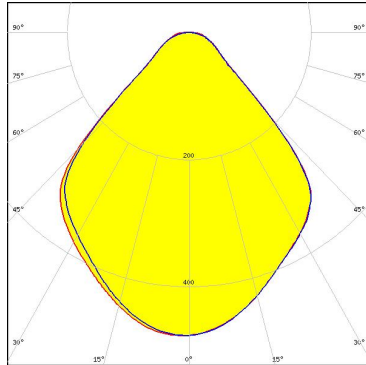
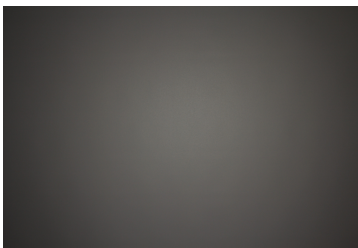
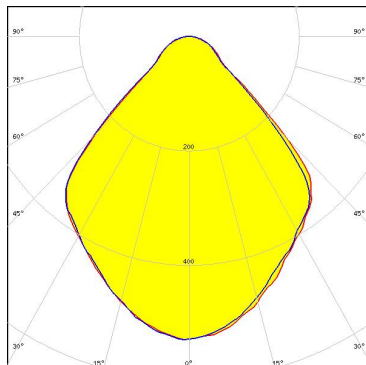
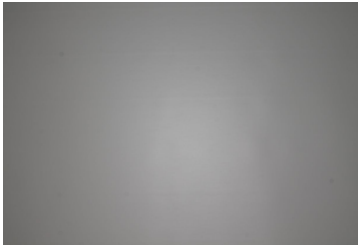
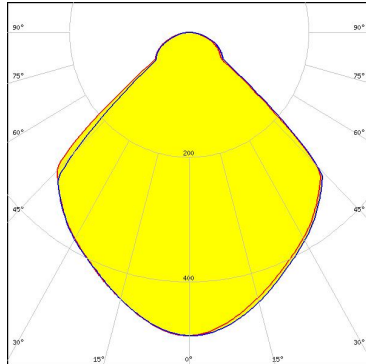
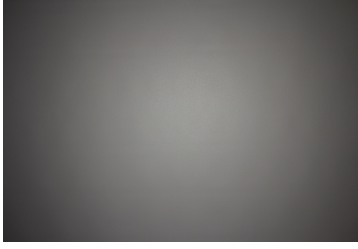
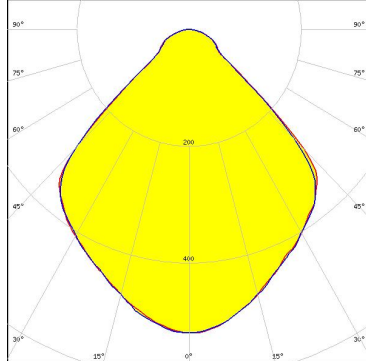
Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 463 Typ L2



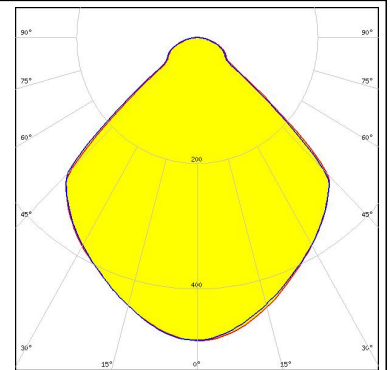
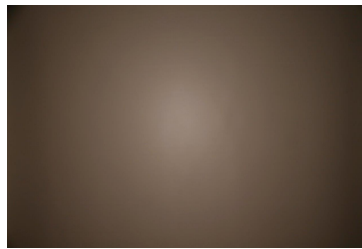
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED COB J-Type FWHM 89.0° Efficiency 90 % Peak intensity 0.480 cd/lm Required components: F13671_ANGE-RZ-LENS IDEAL: 50-2103NC + 50-2100AN</p>		
<p>NICHIA</p> <p>LED COB J-Type FWHM 88.0° Efficiency 92 % Peak intensity 0.530 cd/lm Required components: IDEAL: 50-2103NC + 50-2100AN</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 94.0° Efficiency 94 % Peak intensity 0.490 cd/lm Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 438 Typ L1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 92.0° Efficiency 94 % Peak intensity 0.520 cd/lm Required components: TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		

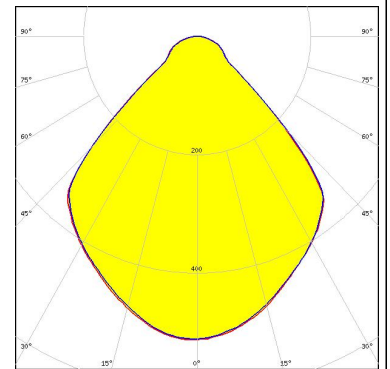
PHOTOMETRIC DATA (MEASURED):



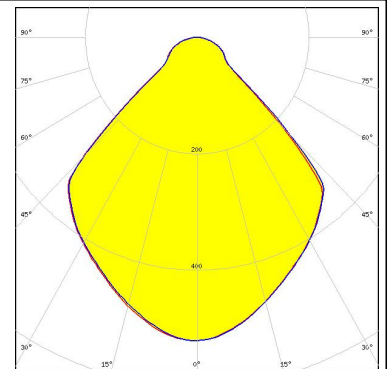
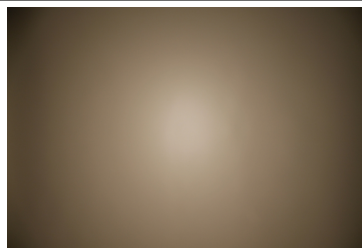
LED COB L-Type (LES 11)
 FWHM 94.0°
 Efficiency 94 %
 Peak intensity 0.480 cd/lm
 Required components:
 Molex: 180580-0005



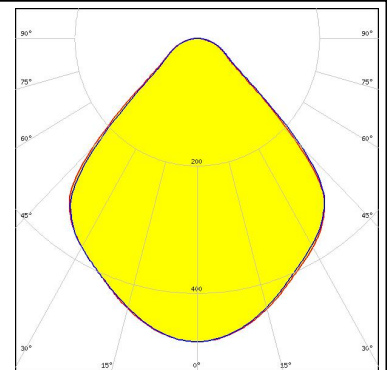
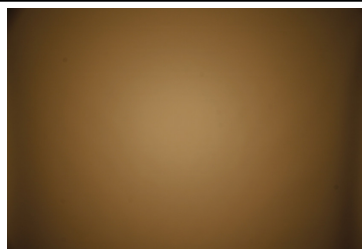
LED PrevaLED Core AC (LEP-2000)
 FWHM 89.0°
 Efficiency 94 %
 Peak intensity 0.510 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED PrevaLED Core AC (LEP-800)
 FWHM 90.0°
 Efficiency 94 %
 Peak intensity 0.520 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED PrevaLED Core Z4 LES19
 FWHM 90.0°
 Efficiency 90 %
 Peak intensity 0.480 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

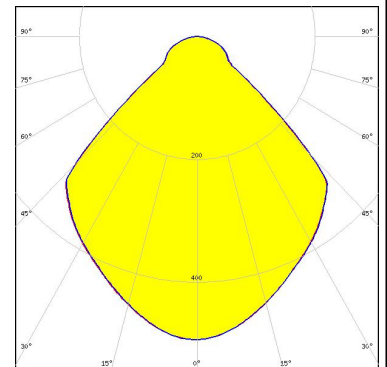
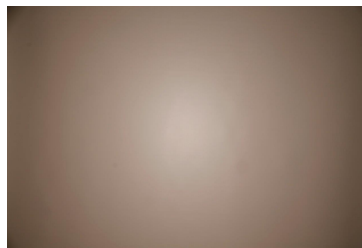
OSRAM

LED PrevaLED Core Z4 LES19
 FWHM 90.0°
 Efficiency 94 %
 Peak intensity 0.510 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



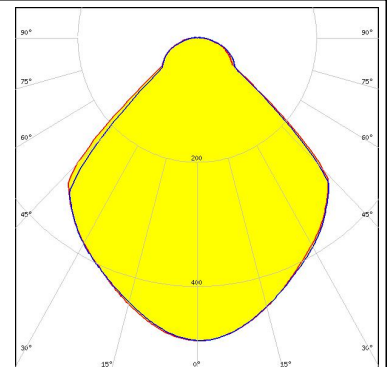
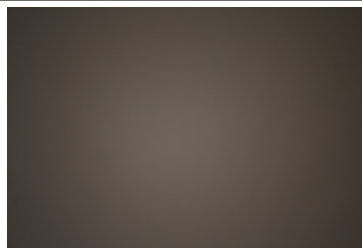
OSRAM
Opto Semiconductors

LED Soleriq P13
 FWHM 92.0°
 Efficiency 94 %
 Peak intensity 0.490 cd/lm
 Required components:
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



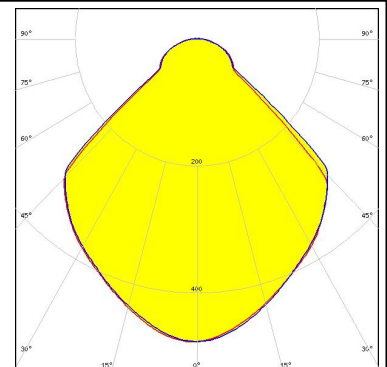
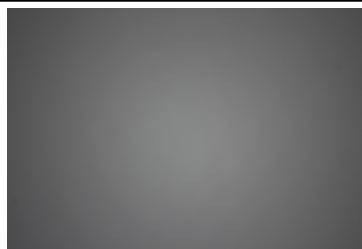
OSRAM
Opto Semiconductors

LED Soleriq P13
 FWHM 92.0°
 Efficiency 94 %
 Peak intensity 0.490 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1


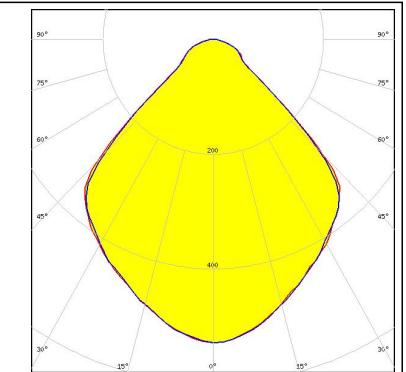

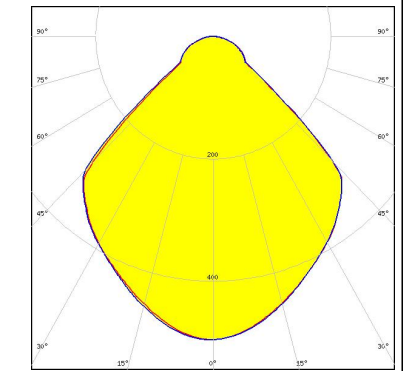
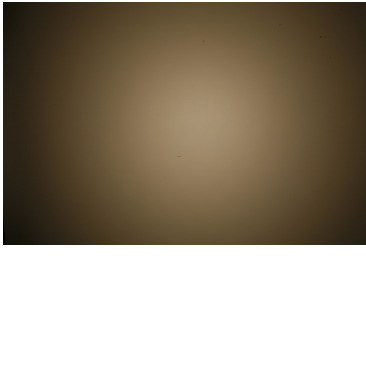
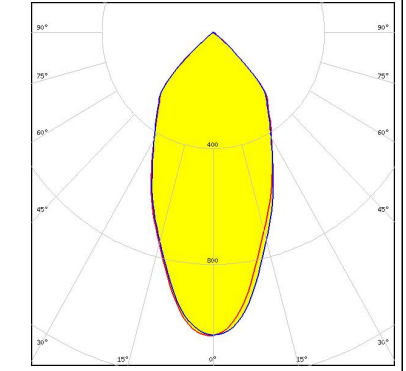
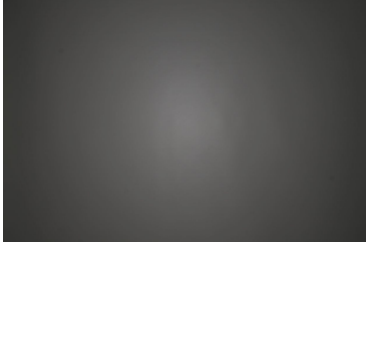
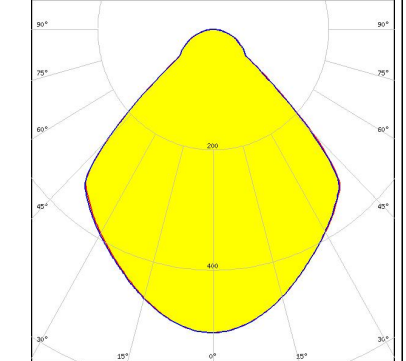


OSRAM
Opto Semiconductors

LED Soleriq P9
 FWHM 93.0°
 Efficiency 94 %
 Peak intensity 0.480 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 461 Typ L1



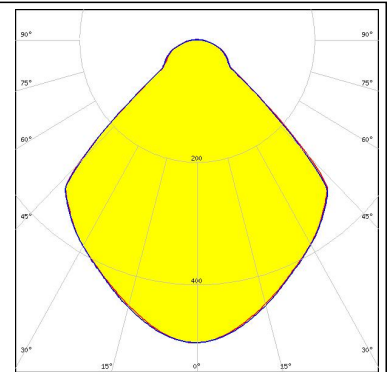
PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 FWHM 92.0° Efficiency 94 % Peak intensity 0.500 cd/lm Required components: TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 FWHM 93.0° Efficiency 94 % Peak intensity 0.500 cd/lm Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 437 Typ L1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S19 FWHM 91.0° Efficiency 94 % Peak intensity 0.500 cd/lm Required components: TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S19 FWHM 90.0° Efficiency 93 % Peak intensity 0.500 cd/lm Required components: C13584_CLAMP-VERO29 Bender Wirth: 462 Typ L3</p>		

PHOTOMETRIC DATA (MEASURED):

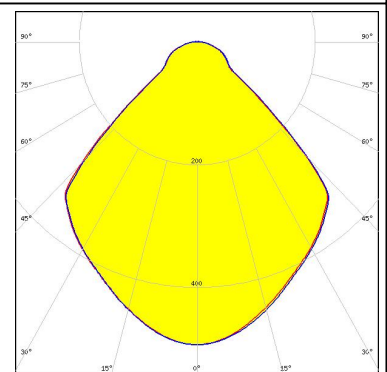
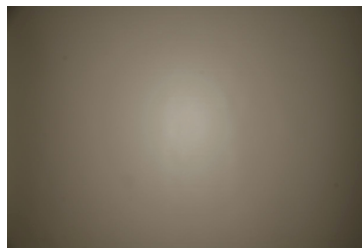
PHILIPS

LED Fortimo LED SLM L13 G4 standard
 FWHM 92.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



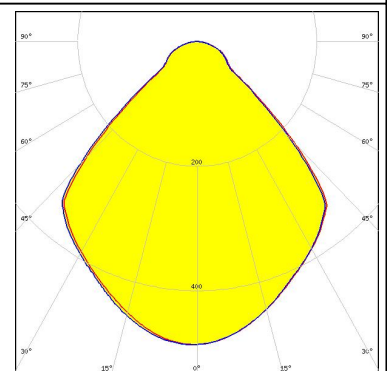
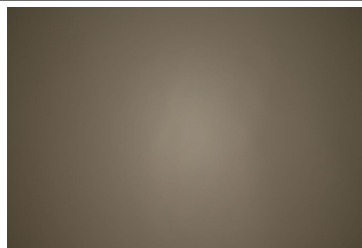
PHILIPS

LED Fortimo LED SLM L15 G4 standard
 FWHM 91.0°
 Efficiency 94 %
 Peak intensity 0.490 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



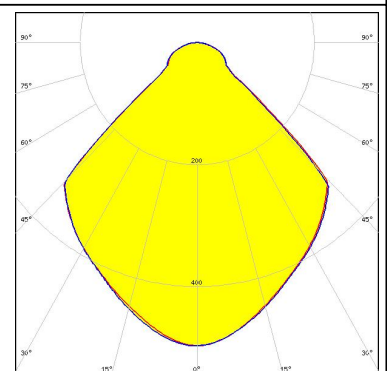
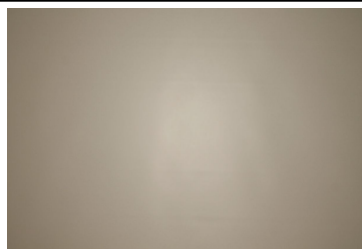
PHILIPS

LED Fortimo LED SLM L19 G4 standard
 FWHM 90.0°
 Efficiency 93 %
 Peak intensity 0.490 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

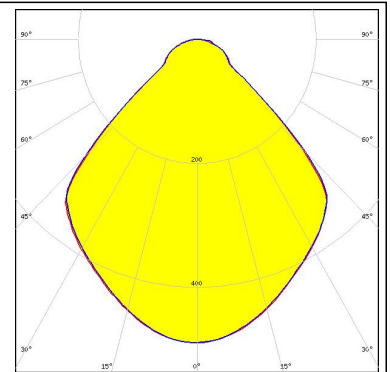
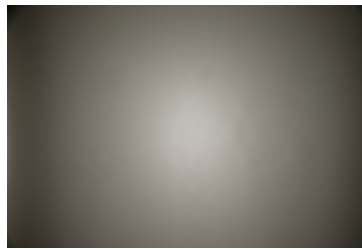
LED Fortimo LED SLM L9 G4 standard
 FWHM 93.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

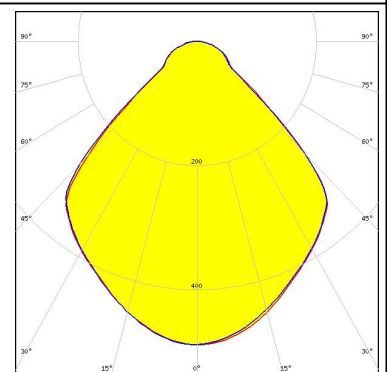
PHILIPS

LED Fortimo SLM 2000 G3
 FWHM 91.0°
 Efficiency 94 %
 Peak intensity 0.517 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



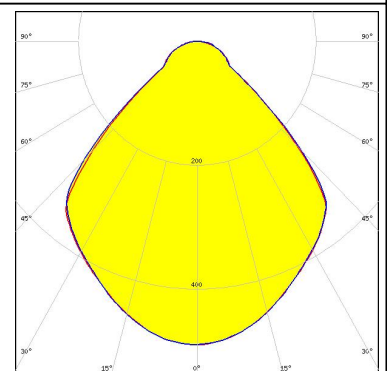
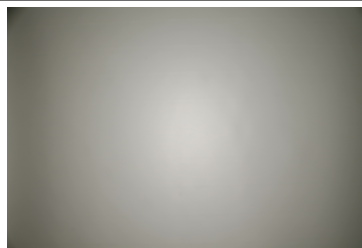
PHILIPS

LED Fortimo SLM 3000 G3
 FWHM 91.0°
 Efficiency 94 %
 Peak intensity 0.489 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



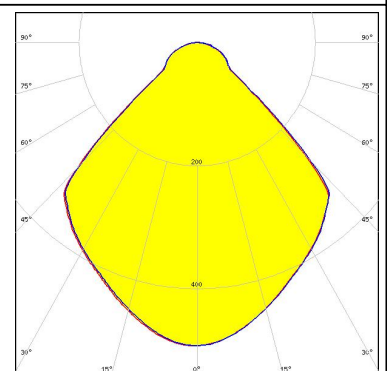
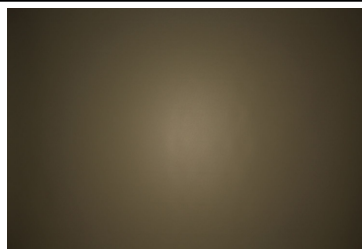
PHILIPS

LED Fortimo SLM 4500 G3
 FWHM 90.0°
 Efficiency 94 %
 Peak intensity 0.490 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

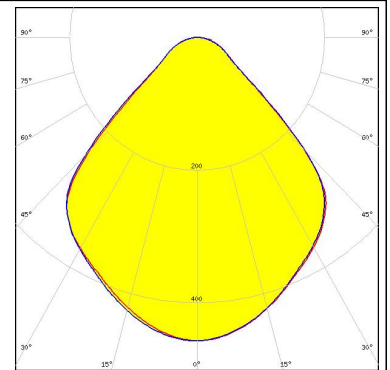
LED Fortimo SLM G5 LES 13 Standard
 FWHM 92.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

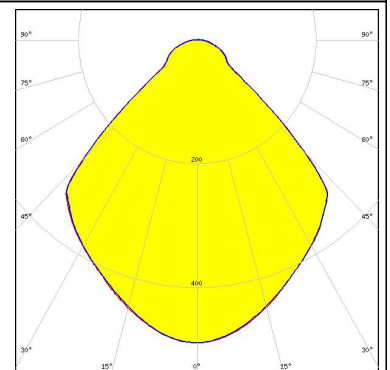
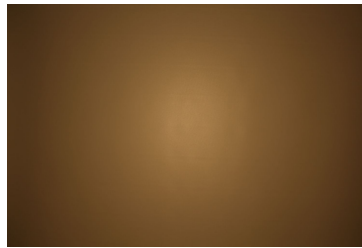
PHILIPS

LED Fortimo SLM G5 LES 15 Standard
FWHM 91.0°
Efficiency 89 %
Peak intensity 0.460 cd/lm
Required components:
F13671_ANGE-RZ-LENS
TE: OPTIC CLIP Z50 TYPE1 2213194-1



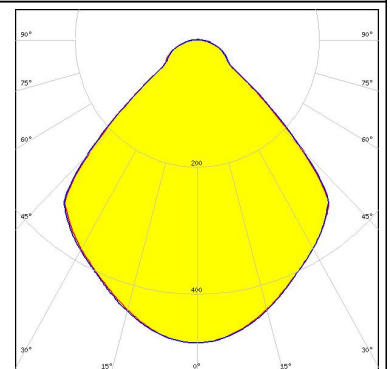
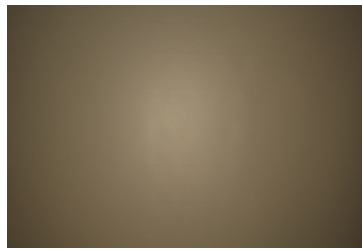
PHILIPS

LED Fortimo SLM G5 LES 15 Standard
FWHM 91.0°
Efficiency 92 %
Peak intensity 0.490 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



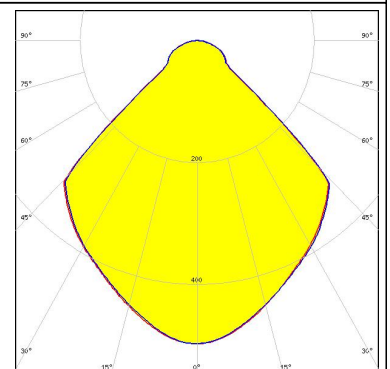
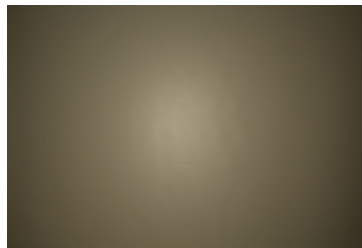
PHILIPS

LED Fortimo SLM G5 LES 19 Standard
FWHM 90.0°
Efficiency 91 %
Peak intensity 0.480 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

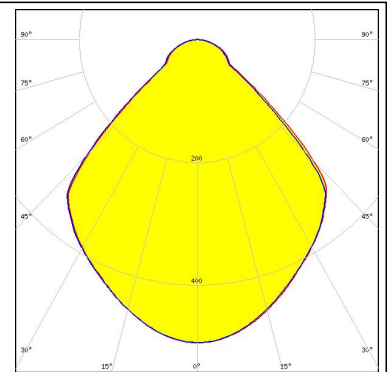
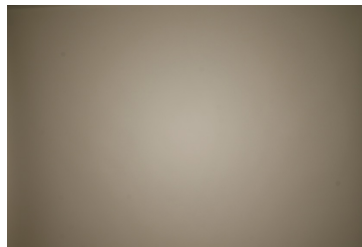
LED Fortimo SLM G5 LES 9 Standard
FWHM 93.0°
Efficiency 94 %
Peak intensity 0.500 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

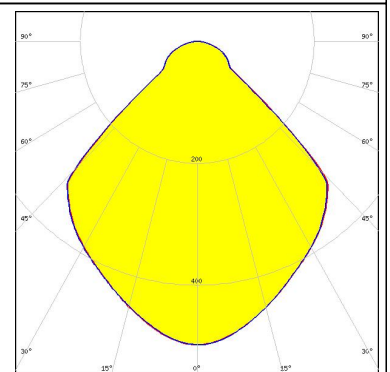
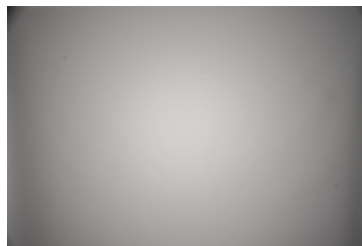
SAMSUNG

LED LC026B / 033B / 040B
 FWHM 91.0°
 Efficiency 94 %
 Peak intensity 0.490 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 450 Typ L2

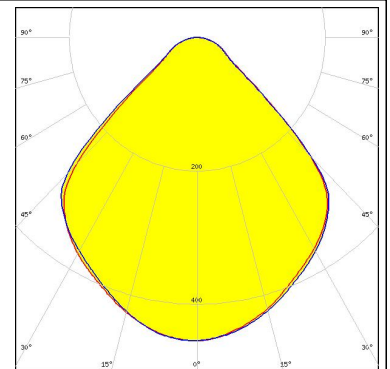
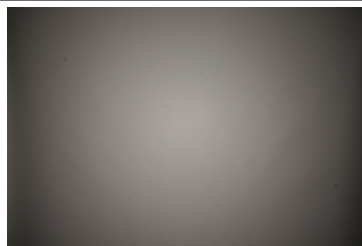


SAMSUNG

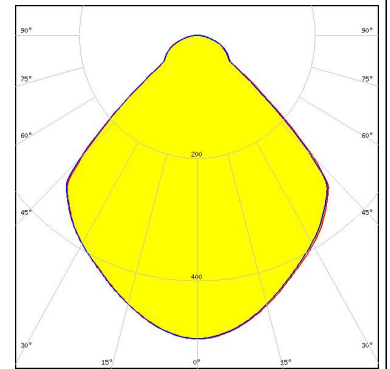
LED LC040C
 FWHM 93.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1




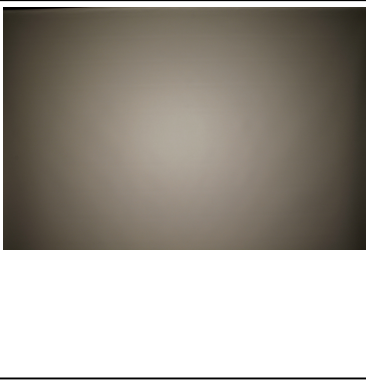
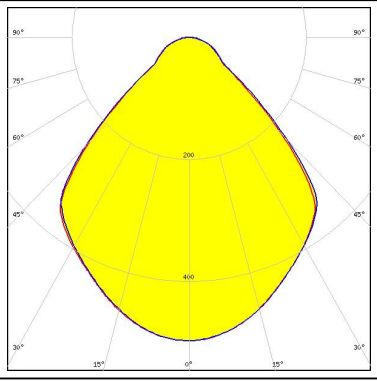

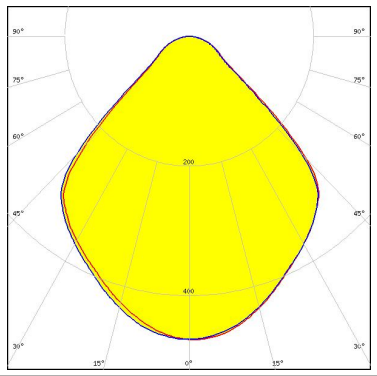
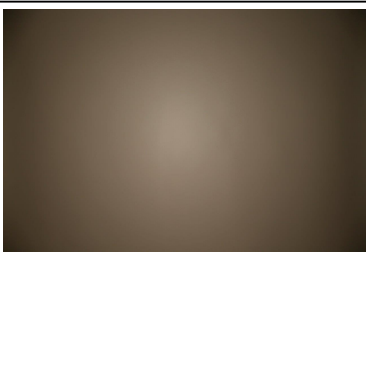
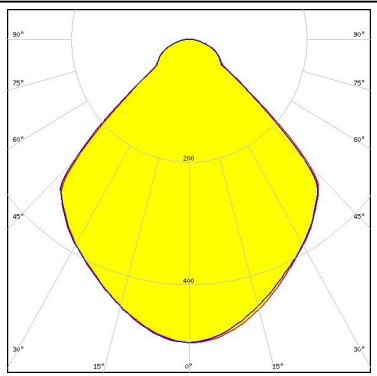
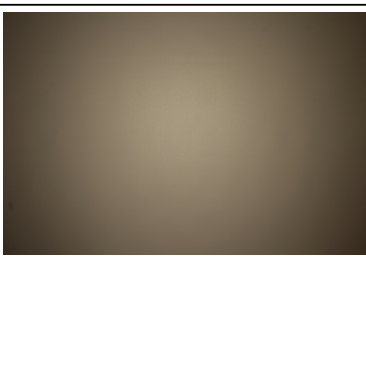
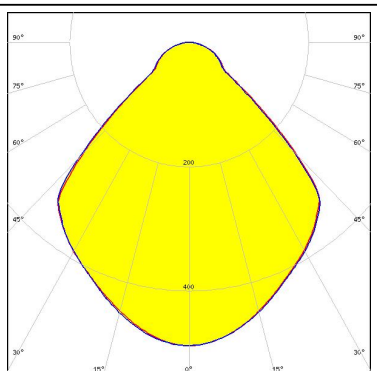
LED AC Zhaga COB
 FWHM 93.0°
 Efficiency 91 %
 Peak intensity 0.460 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS



LED MJT COB LES 14.5
 FWHM 92.0°
 Efficiency 94 %
 Peak intensity 0.500 cd/lm
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



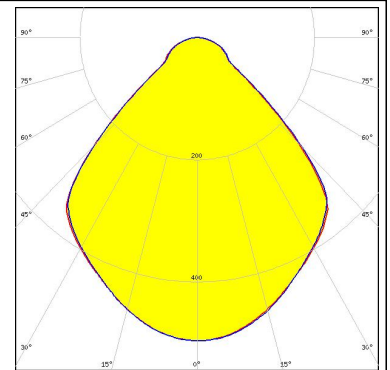
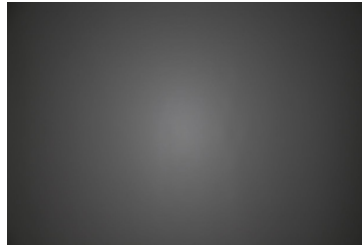
PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 22 FWHM 89.0° Efficiency 94 % Peak intensity 0.500 cd/lm Required components: C13584_CLAMP-VERO29 Bender Wirth: 431 Typ L3</p>		
<p>SHARP</p> <p>LED Mega Zenigata (GW6DME) FWHM 92.0° Efficiency 92 % Peak intensity 0.470 cd/lm Required components: F13671_ANGE-RZ-LENS TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>SHARP</p> <p>LED Mega Zenigata (GW6DME) FWHM 92.0° Efficiency 94 % Peak intensity 0.500 cd/lm Required components: TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>TRIDONIC</p> <p>LED SLE G4 LES19 H FWHM 91.0° Efficiency 93 % Peak intensity 0.490 cd/lm Required components: TE: OPTIC CLIP Z50 TYPE1 2213194-1</p>		

PHOTOMETRIC DATA (MEASURED):

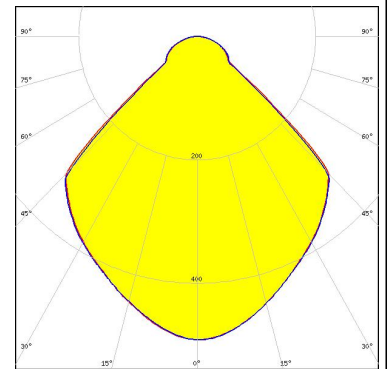
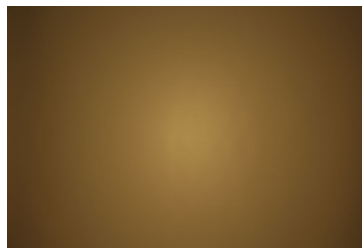
TRIDONIC

LED SLE G4 LES23 H
FWHM 90.0°
Efficiency 94 %
Peak intensity 0.500 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



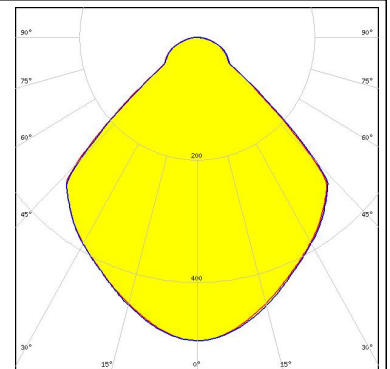
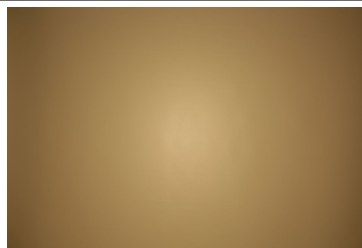
TRIDONIC

LED SLE G5 LES11
FWHM 94.0°
Efficiency 94 %
Peak intensity 0.500 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



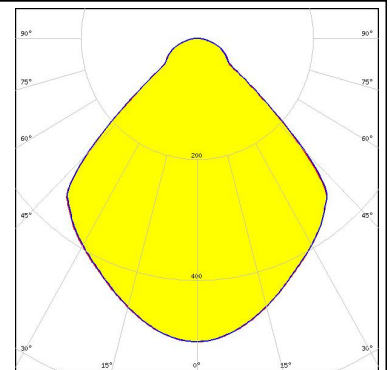
TRIDONIC

LED SLE G5 LES15
FWHM 92.0°
Efficiency 94 %
Peak intensity 0.500 cd/lm
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED SLE G5 LES19 H
FWHM 90.0°
Efficiency 94 %
Peak intensity 0.500 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G5 LES23 H

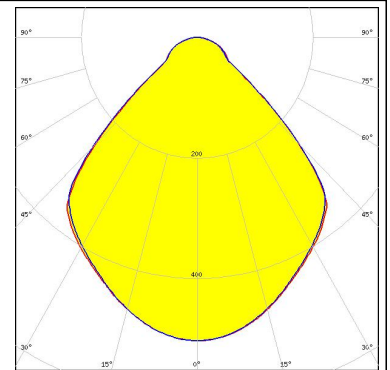
FWHM 90.0°

Efficiency 94 %

Peak intensity 0.500 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G2 LES19

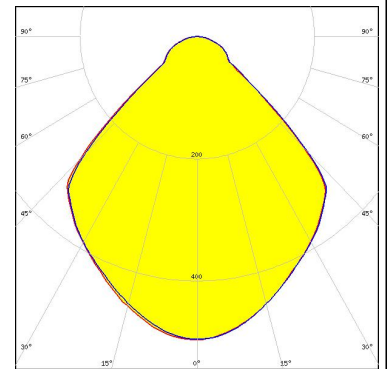
FWHM 91.0°

Efficiency 94 %

Peak intensity 0.500 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G2 LES23

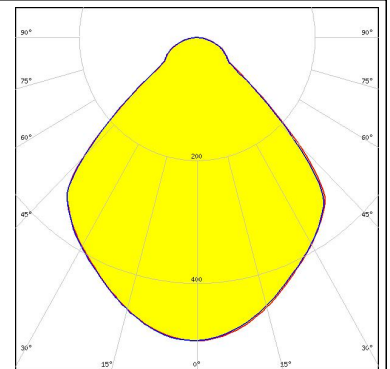
FWHM 90.0°

Efficiency 94 %

Peak intensity 0.500 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G2 LES26

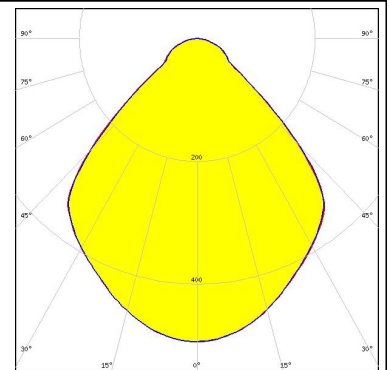
FWHM 90.0°

Efficiency 94 %

Peak intensity 0.500 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):



LED WU-M-464

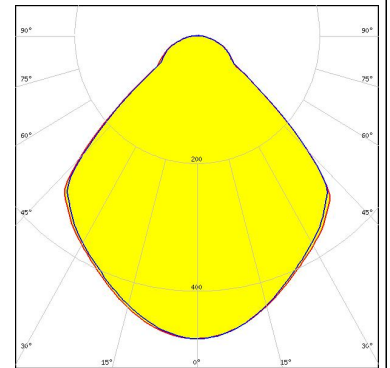
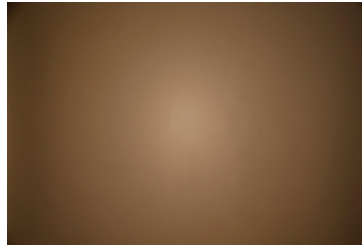
FWHM 93.0°

Efficiency 94 %

Peak intensity 0.470 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-484

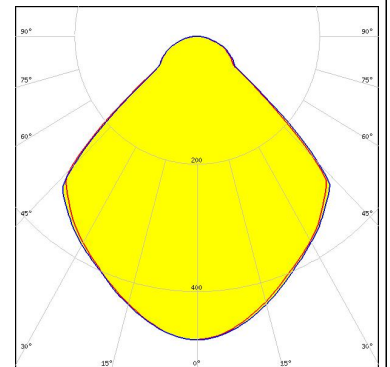
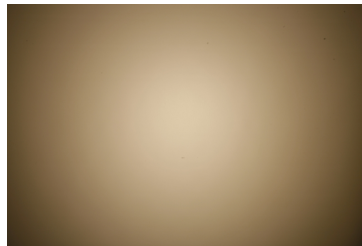
FWHM 93.0°

Efficiency 94 %

Peak intensity 0.476 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-485

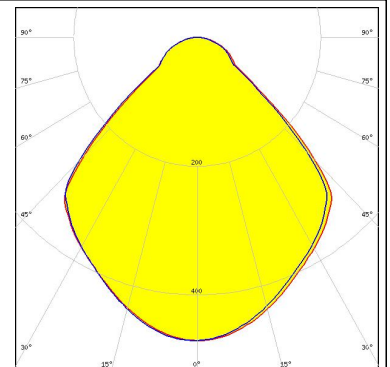
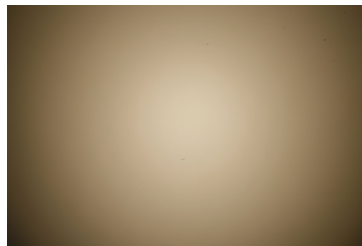
FWHM 93.0°

Efficiency 94 %

Peak intensity 0.470 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-486

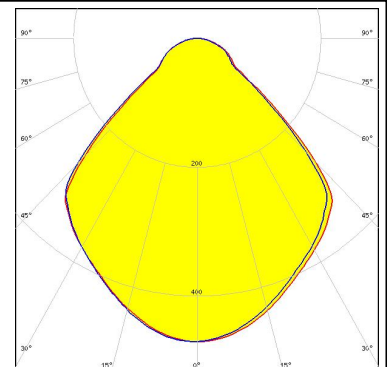
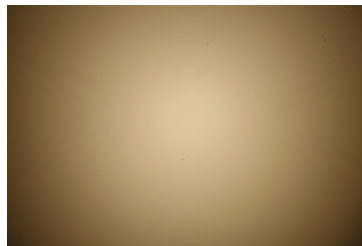
FWHM 92.0°

Efficiency 94 %


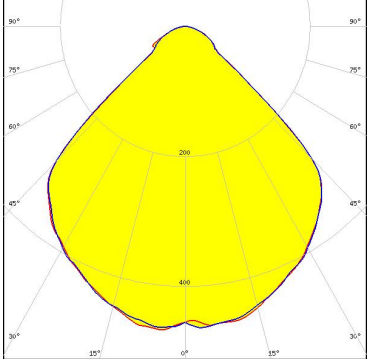

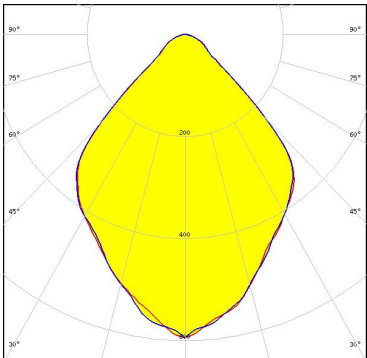

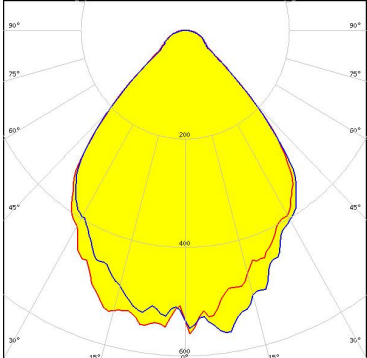
Peak intensity 0.470 cd/lm

Required components:


TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux.</p> <p>LED V10 Gen7 FWHM 93.0° Efficiency 92 % Peak intensity 0.490 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1</p>	
<p> bridgelux.</p> <p>LED V13 Gen7 FWHM 86.0° Efficiency 92 % Peak intensity 0.595 cd/lm</p> <p>Required components: IDEAL: 50-2103CT + 50-2100AN</p>	
<p> bridgelux.</p> <p>LED V22 Gen7 FWHM 82.0° Efficiency 94 % Peak intensity 0.603 cd/lm</p> <p>Required components: IDEAL: 50-2204-CT + 50-2100AN</p>	
<p> LUMINUS</p> <p>LED CXM-9 FWHM 94.0° Efficiency 95 % Peak intensity 0.500 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1</p>	

PHOTOMETRIC DATA (SIMULATED):

 SEOL SEMICONDUCTOR	
LED	ZC12/18
FWHM	92.0°
Efficiency	95 %
Peak intensity	0.490 cd/lm
Required components:	
C13658_CLAMP-VERO13-18	
Bender Wirth: 433 Typ L1	
<hr/>	
 SEOL SEMICONDUCTOR	
LED	ZC4/6
FWHM	94.0°
Efficiency	95 %
Peak intensity	0.500 cd/lm
Required components:	
C13658_CLAMP-VERO13-18	
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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

www.ledil.com/where_to_buy

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

www.ledil.com/where_to_buy