



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



ANGELA-XW

White version with ~70° wide beam

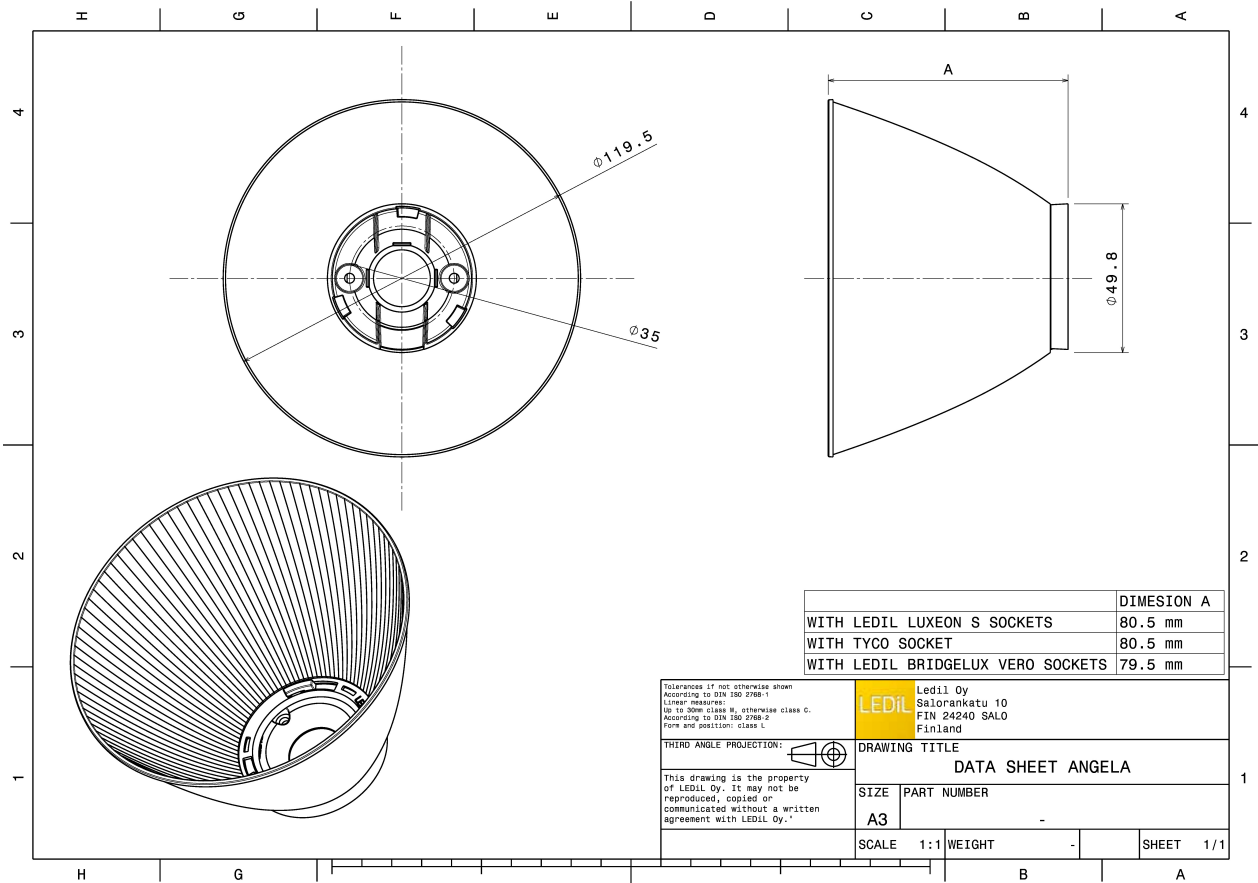
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 119.5 mm
Height	74.3 mm
Fastening	socket
Colour	white
Box size	480 x 280 x 300 mm
Box weight	8.1 kg
Quantity in Box	180 pcs
ROHS compliant	yes ⓘ

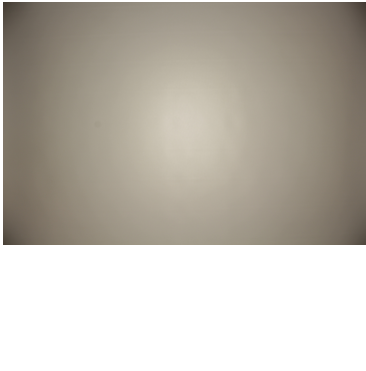
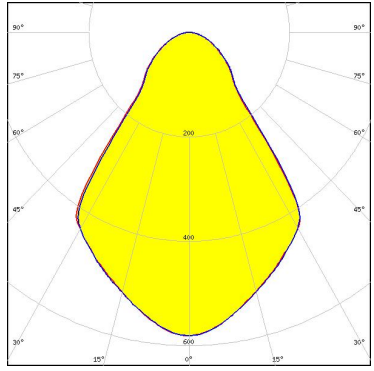
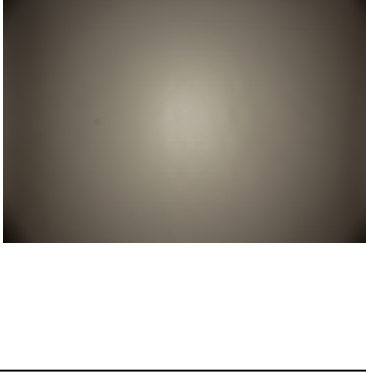
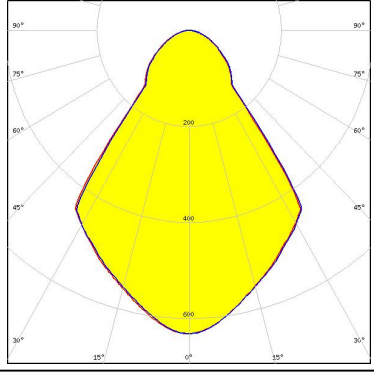
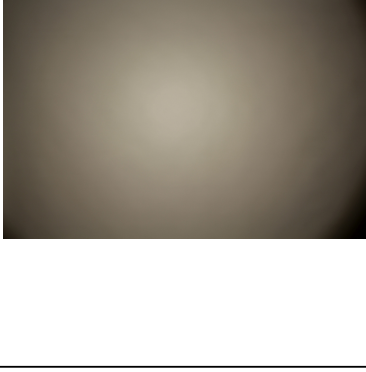
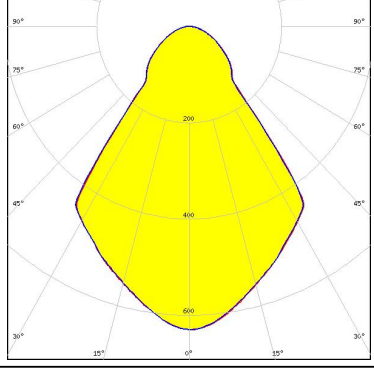
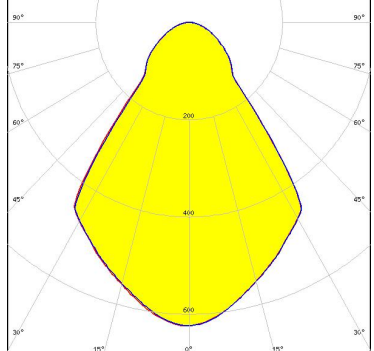


MATERIAL SPECIFICATIONS:

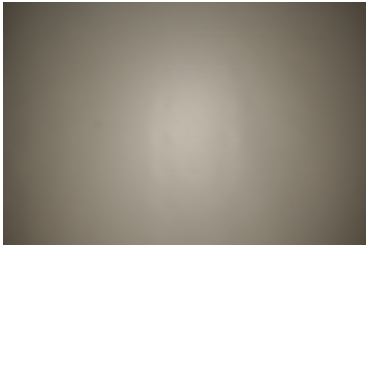
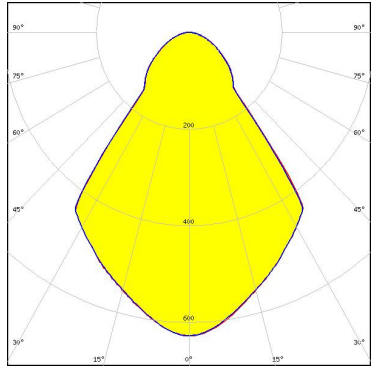
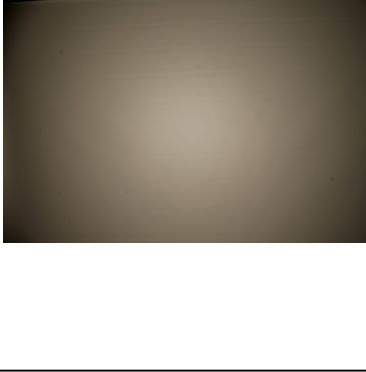
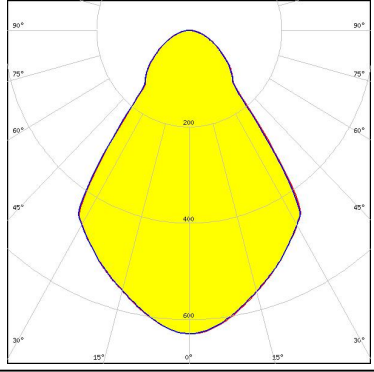
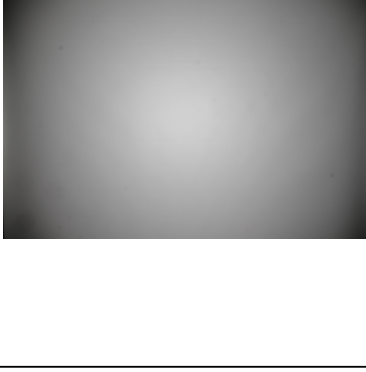
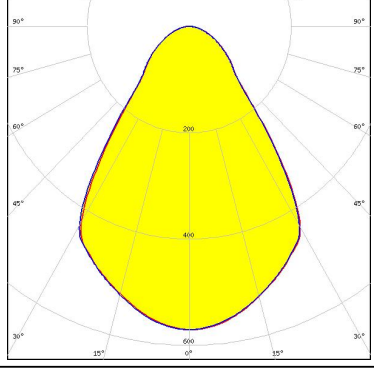

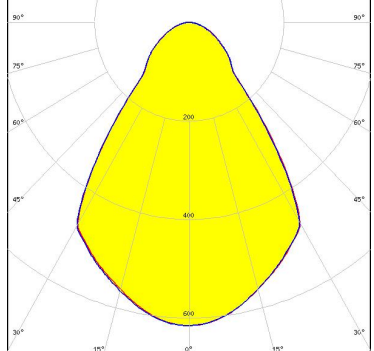
Component	Type	Material	Colour	Coating
ANGELA-XW	Reflector	HRPC	white	



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 72.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.580 cd/lm</p> <p>Required components: F13671_ANGLE-RZ-LENS TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 72.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.630 cd/lm</p> <p>Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED Vero SE 13</p> <p>FWHM 73.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components: C16402_CLAMP-VEROSE-13-18</p>		
<p>bridgelux.</p> <p>LED Vero SE 18</p> <p>FWHM 73.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.620 cd/lm</p> <p>Required components: C16402_CLAMP-VEROSE-13-18</p>		

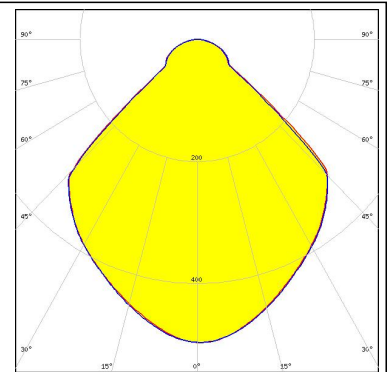
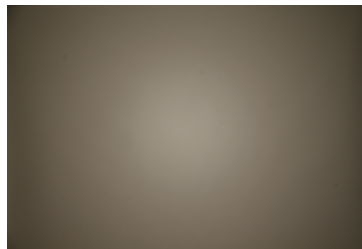
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 73.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.630 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 72.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.630 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 72.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.570 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29 F13671_ANGE-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 72.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.620 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29</p>		

PHOTOMETRIC DATA (MEASURED):

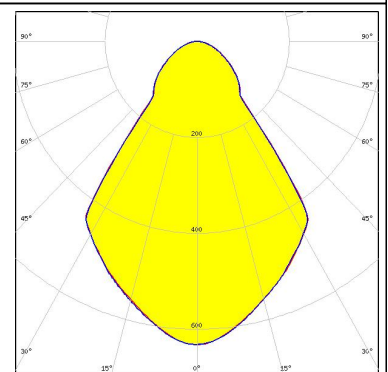
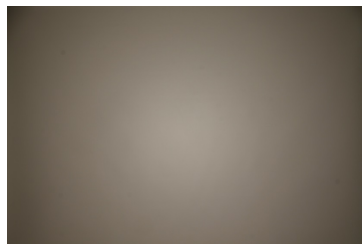
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 72.0°
 Efficiency 93 %
 Peak intensity 0.640 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 434 Typ L1



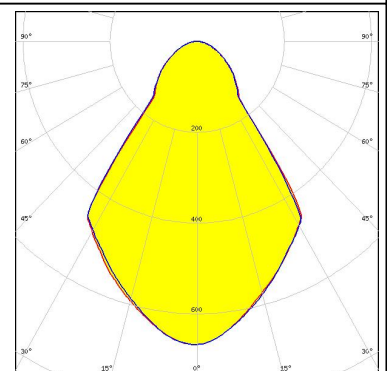
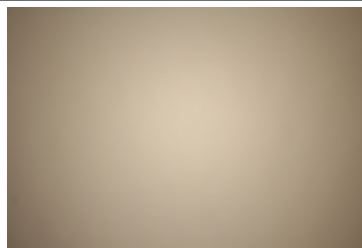
CITIZEN

LED CLL03x/CLU03x
 FWHM 72.0°
 Efficiency 93 %
 Peak intensity 0.630 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 433 Typ L1



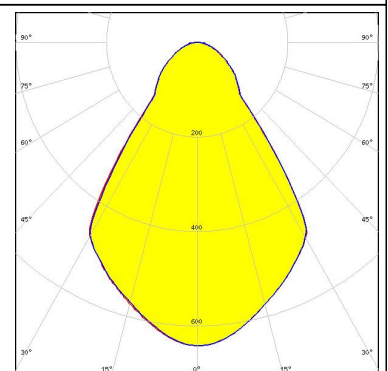
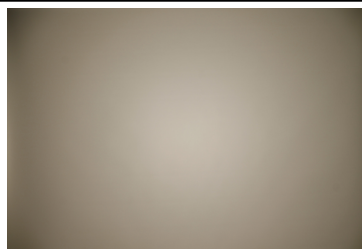
CITIZEN

LED CLL03x/CLU03x
 FWHM 70.0°
 Efficiency 93 %
 Peak intensity 0.700 cd/lm
 Required components:
 IDEAL: 50-2103CT + 50-2100AN



CITIZEN

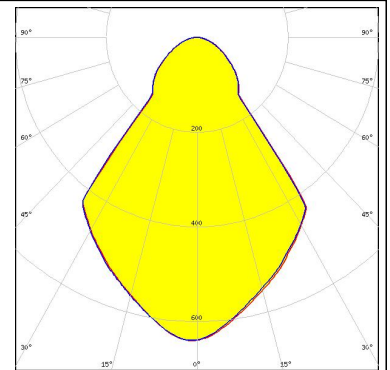
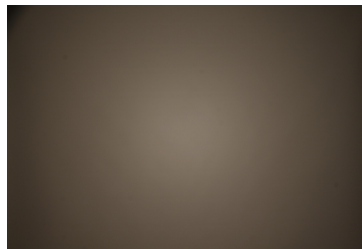
LED CLL04x/CLU04x
 FWHM 70.0°
 Efficiency 93 %
 Peak intensity 0.640 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



PHOTOMETRIC DATA (MEASURED):

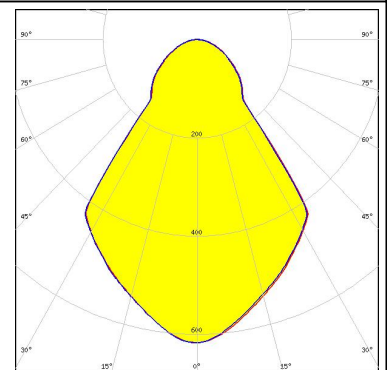
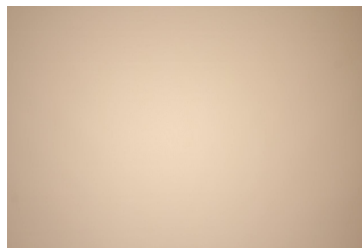
CITIZEN

LED CLU700/701
FWHM 73.0°
Efficiency 93 %
Peak intensity 0.640 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



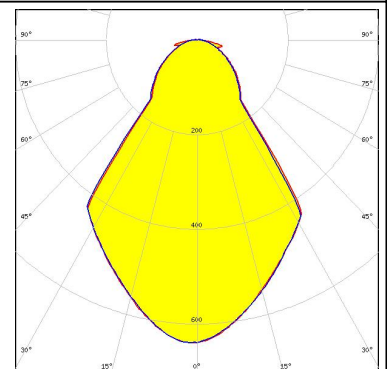
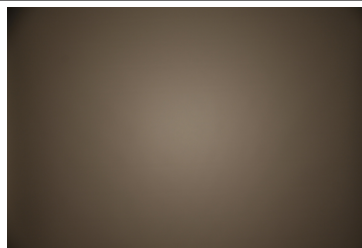
CITIZEN

LED CLU720/721
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.620 cd/lm
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



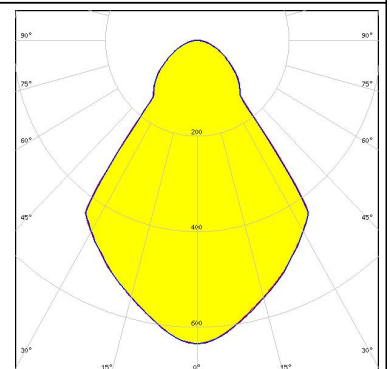
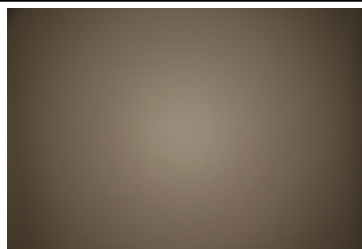
CITIZEN

LED CLU720/721
FWHM 70.0°
Efficiency 94 %
Peak intensity 0.640 cd/lm
Required components:
IDEAL: 50-2103CT + 50-2100AN



CITIZEN

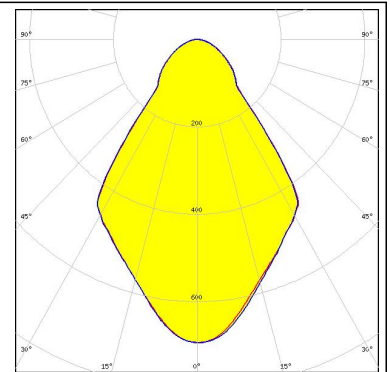
LED CLU720/721
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.640 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1



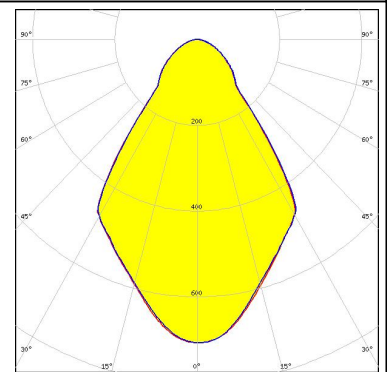
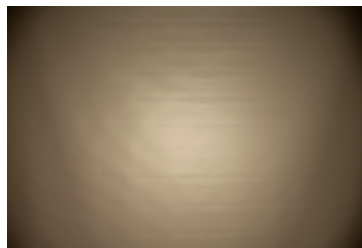
PHOTOMETRIC DATA (MEASURED):



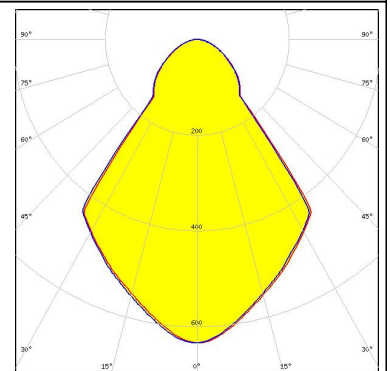
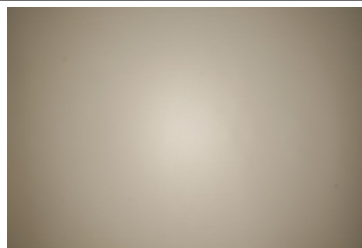
LED CMA2550
 FWHM 71.0°
 Efficiency 94 %
 Peak intensity 0.690 cd/lm
 Required components:
 C14036_CLAMP_CXA25-30



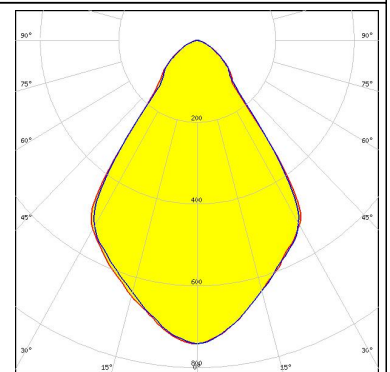
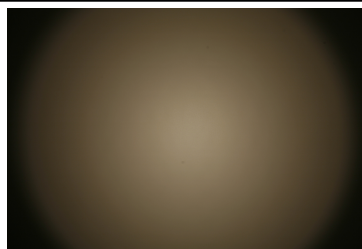
LED CMA3090
 FWHM 70.0°
 Efficiency 94 %
 Peak intensity 0.700 cd/lm
 Required components:
 C14036_CLAMP_CXA25-30



LED CXA/B 15xx
 FWHM 73.0°
 Efficiency 93 %
 Peak intensity 0.630 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 441 Typ L1



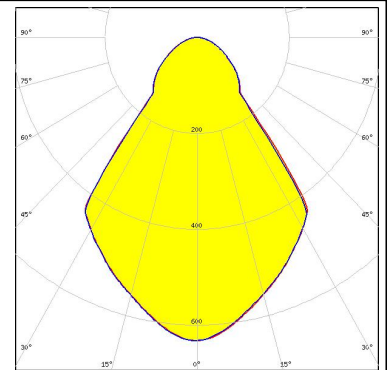
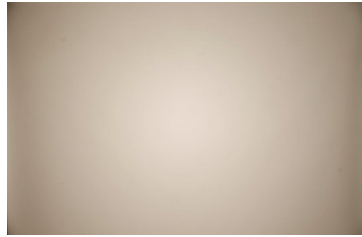
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 72.0°
 Efficiency 94 %
 Peak intensity 0.740 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18



PHOTOMETRIC DATA (MEASURED):

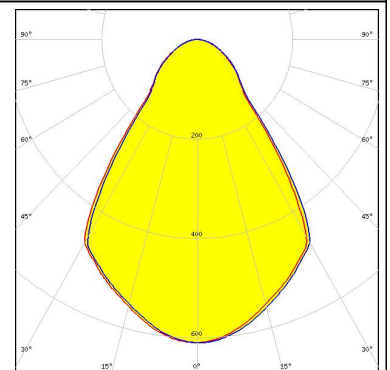
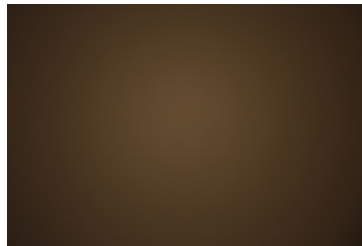
CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 72.0°
 Efficiency 92 %
 Peak intensity 0.630 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1



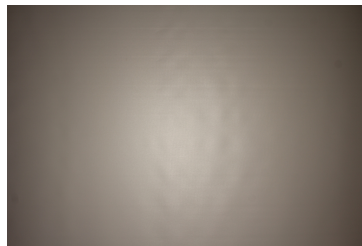
CREE

LED CXA/B 3590
 FWHM 72.0°
 Efficiency 94 %
 Peak intensity 0.610 cd/lm
 Required components:
 IDEAL: 50-2303CR + 50-2300AN



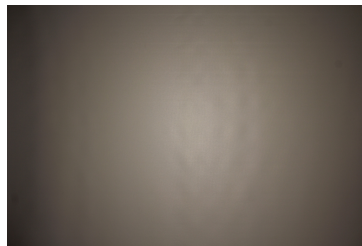
EVERLIGHT

LED CHI3030 19W
 FWHM 71.0°
 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 71.0°
 Efficiency 90 %
 Peak intensity 0.600 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 468 Typ L3



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON CoB 1202/1203

FWHM 73.0°

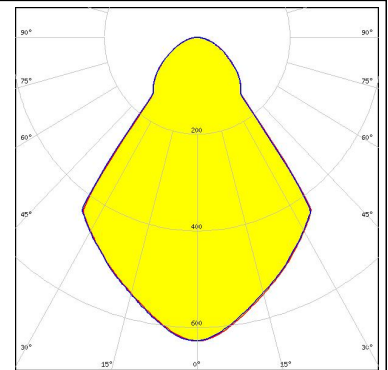
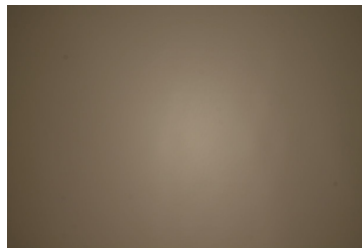
Efficiency 93 %

Peak intensity 0.600 cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 438 Typ L1



LUMILEDS

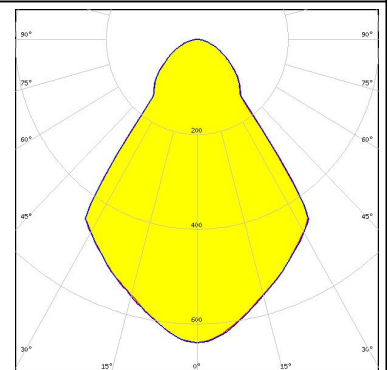
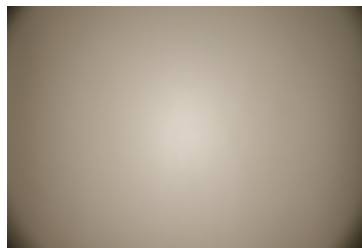
LED LUXEON CoB 1204/1205

FWHM 72.0°

Efficiency 93 %

Peak intensity 0.600 cd/lm

Required components:



LUMILEDS

LED LUXEON CoB 1208

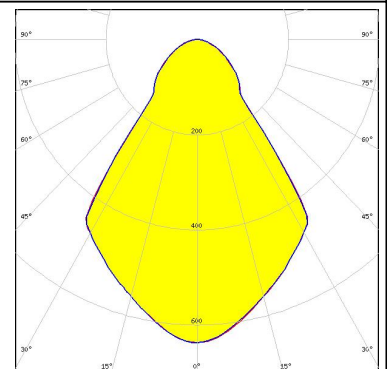
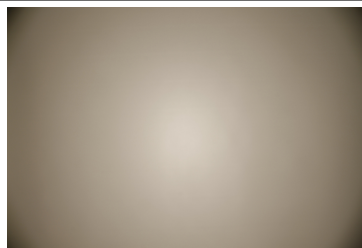
FWHM 71.0°

Efficiency 93 %

Peak intensity 0.600 cd/lm

Required components:

TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LUMILEDS

LED LUXEON CoB 1211

FWHM 72.0°

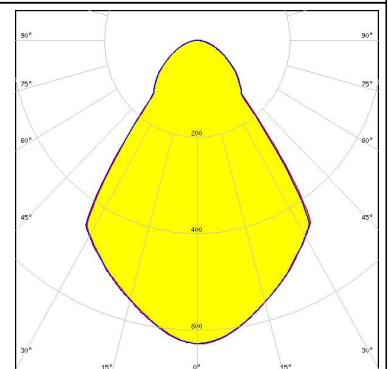
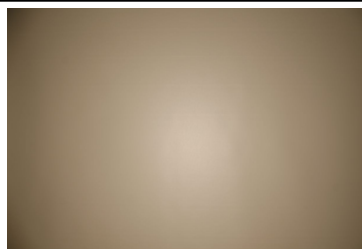
Efficiency 93 %

Peak intensity 0.630 cd/lm

Required components:

C13584_CLAMP-VERO29

Bender Wirth: 431 Typ L3



PHOTOMETRIC DATA (MEASURED):



LED LUXEON K12

FWHM 72.0°

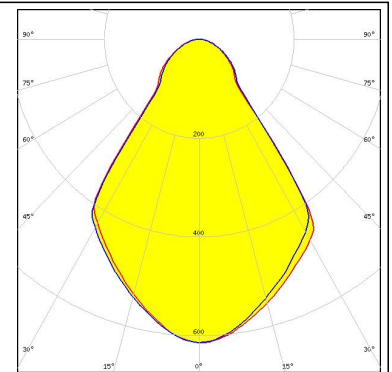
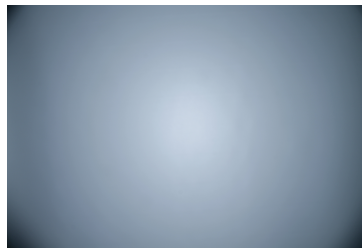
Efficiency 89 %

Peak intensity 0.600 cd/lm

Required components:

F13671_ANGE-RZ-LENS

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



LED LUXEON K16

FWHM 72.0°

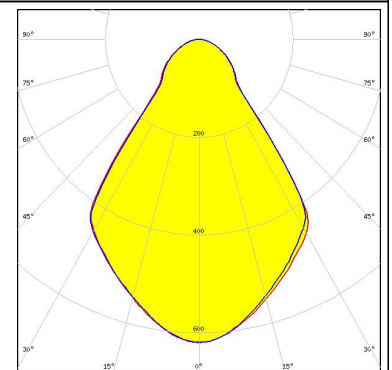
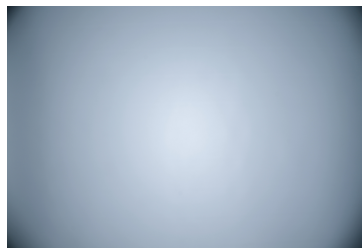
Efficiency 88 %

Peak intensity 0.600 cd/lm

Required components:

F13671_ANGE-RZ-LENS

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



LED CDM-14 (Dim-To-Warm)

FWHM 71.0°

Efficiency 87 %

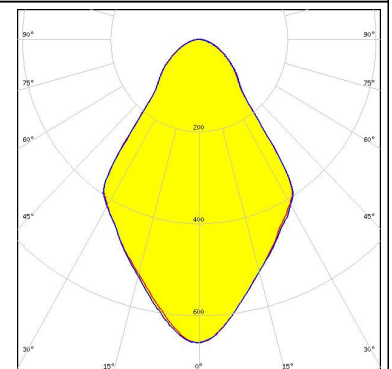
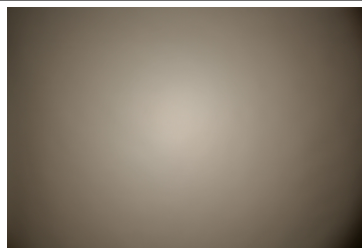
Peak intensity 0.660 cd/lm

Required components:

C13658_CLAMP-VERO13-18

F13671_ANGE-RZ-LENS

Bender Wirth: 491 Typ L2



LED CDM-14 (Dim-To-Warm)

FWHM 71.0°

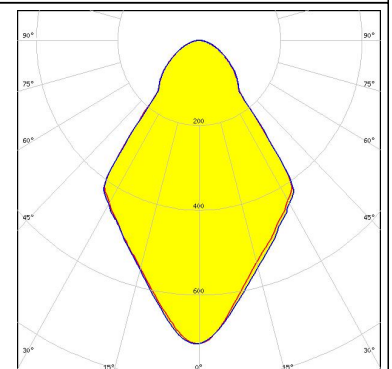
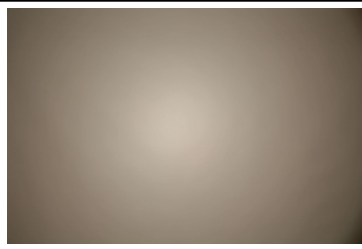
Efficiency 92 %

Peak intensity 0.700 cd/lm

Required components:

C13658_CLAMP-VERO13-18

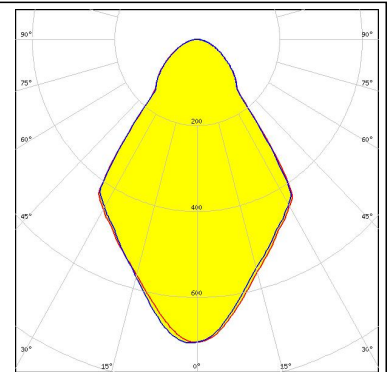
Bender Wirth: 491 Typ L2



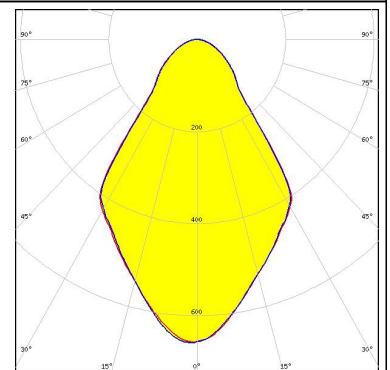
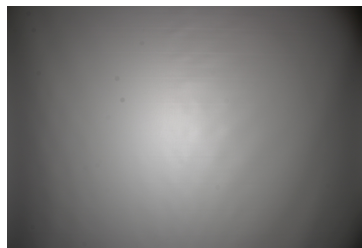
PHOTOMETRIC DATA (MEASURED):



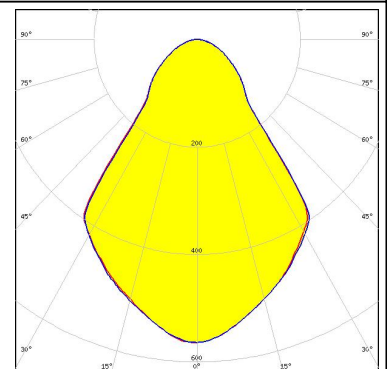
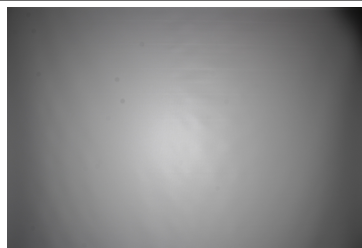
LED CDM-18 (Dim-To-Warm)
FWHM 70.0°
Efficiency 93 %
Peak intensity 0.700 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 491 Typ L2



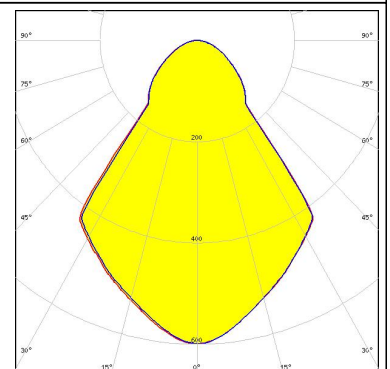
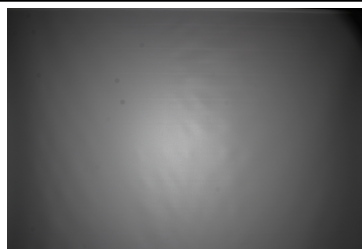
LED CDM-18 (Dim-To-Warm)
FWHM 70.0°
Efficiency 88 %
Peak intensity 0.660 cd/lm
Required components:
C13658_CLAMP-VERO13-18
F13671_ANGE-RZ-LENS
Bender Wirth: 491 Typ L2



LED CDM-9 (Dim-To-Warm)
FWHM 73.0°
Efficiency 86 %
Peak intensity 0.560 cd/lm
Required components:
C13658_CLAMP-VERO13-18
F13671_ANGE-RZ-LENS
Bender Wirth: 490 Typ L1



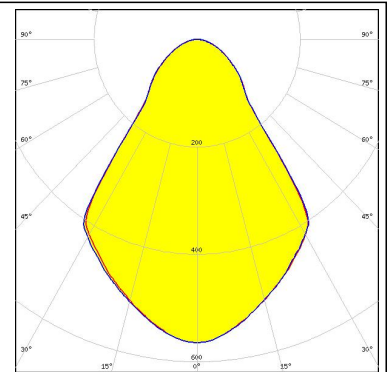
LED CDM-9 (Dim-To-Warm)
FWHM 73.0°
Efficiency 92 %
Peak intensity 0.600 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 490 Typ L1



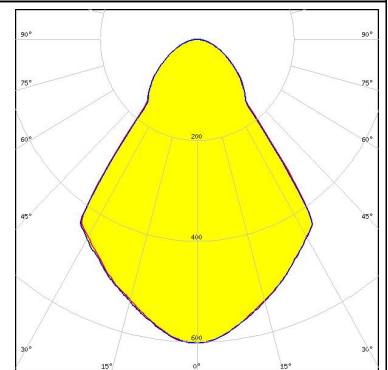
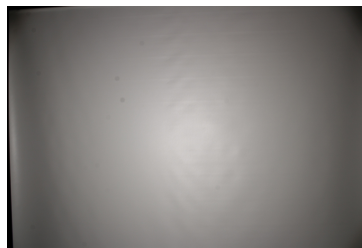
PHOTOMETRIC DATA (MEASURED):



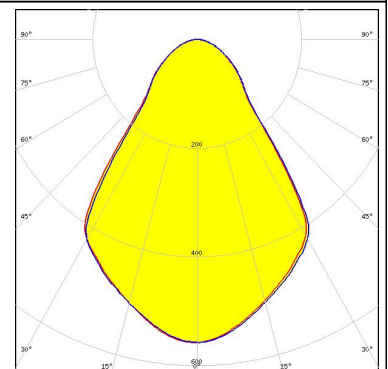
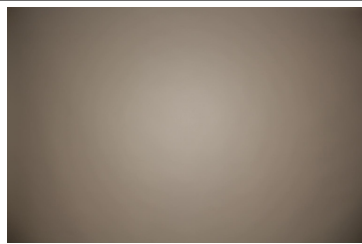
LED CTM-14 (Tunable White)
FWHM 72.0°
Efficiency 86 %
Peak intensity 0.570 cd/lm
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 442 Typ L3



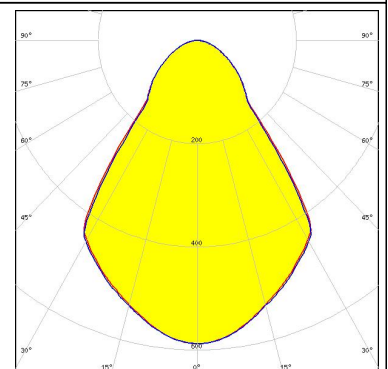
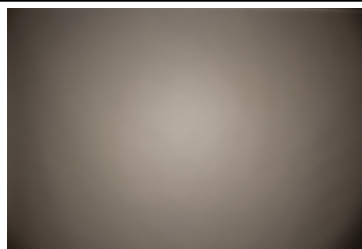
LED CTM-14 (Tunable White)
FWHM 73.0°
Efficiency 92 %
Peak intensity 0.600 cd/lm
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 442 Typ L3



LED CTM-22 (Tunable White)
FWHM 72.0°
Efficiency 86 %
Peak intensity 0.560 cd/lm
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 494 Typ L3



LED CTM-22 (Tunable White)
FWHM 73.0°
Efficiency 91 %
Peak intensity 0.590 cd/lm
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 494 Typ L3

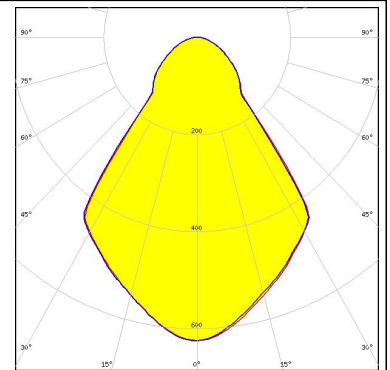
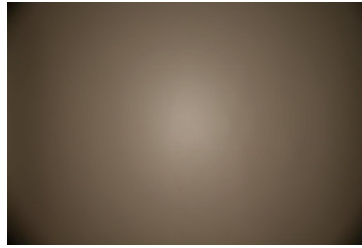


PHOTOMETRIC DATA (MEASURED):



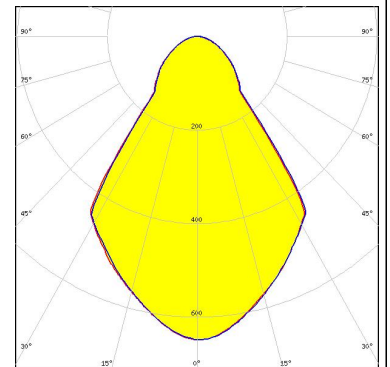
LED CXM-14
 FWHM 72.0°
 Efficiency 93 %
 Peak intensity 0.630 cd/lm
 Required components:

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



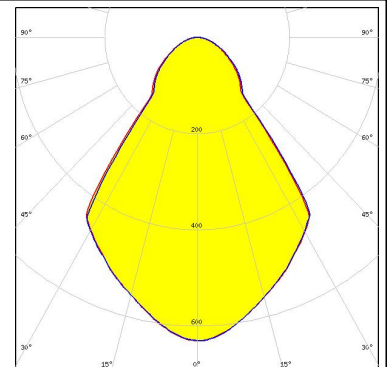
LED COB J-Type
 FWHM 71.0°
 Efficiency 91 %
 Peak intensity 0.650 cd/lm
 Required components:

IDEAL: 50-2103NC + 50-2100AN



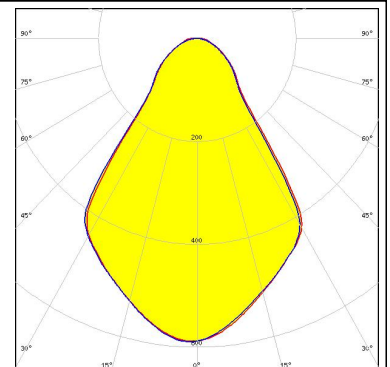
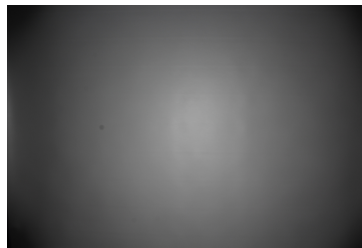
LED COB J-Type
 FWHM 72.0°
 Efficiency 93 %
 Peak intensity 0.630 cd/lm
 Required components:

C13658_CLAMP-VERO13-18
 Bender Wirth: 463 Typ L2



LED COB J-Type
 FWHM 71.0°
 Efficiency 87 %
 Peak intensity 0.590 cd/lm
 Required components:

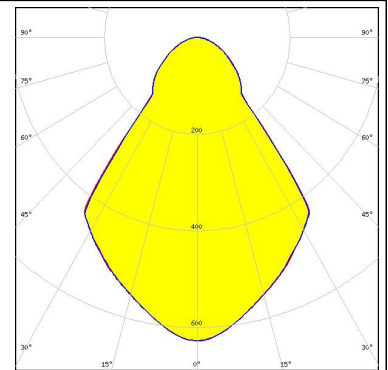
F13671_ANGE-RZ-LENS
 IDEAL: 50-2103NC + 50-2100AN



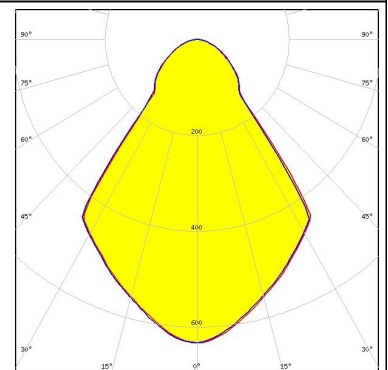
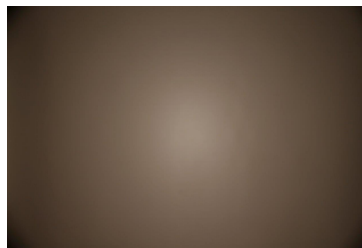
PHOTOMETRIC DATA (MEASURED):



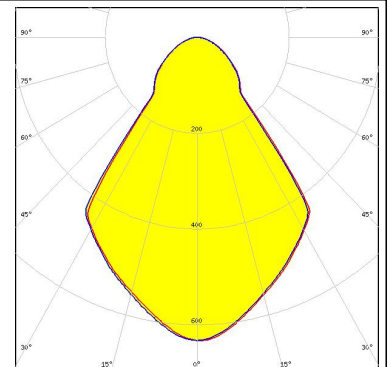
LED COB L-Type (LES 11)
FWHM 73.0°
Efficiency 93 %
Peak intensity 0.630 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 438 Typ L1



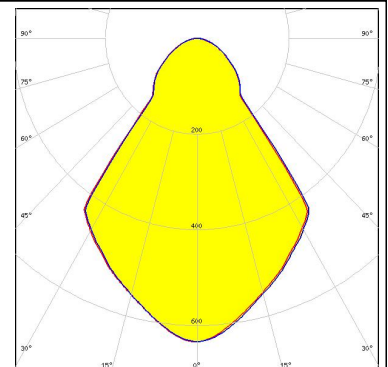
LED COB L-Type (LES 11)
FWHM 73.0°
Efficiency 94 %
Peak intensity 0.630 cd/lm
Required components:
Molex: 180580-0005



LED COB L-Type (LES 11)
FWHM 72.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



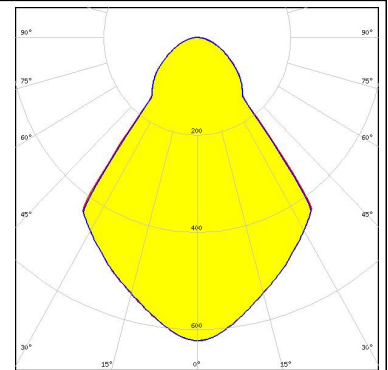
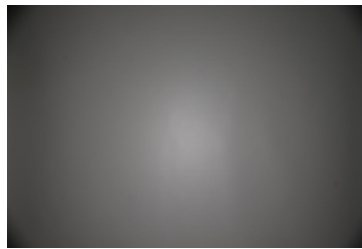
LED COB L-Type (LES 9)
FWHM 72.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



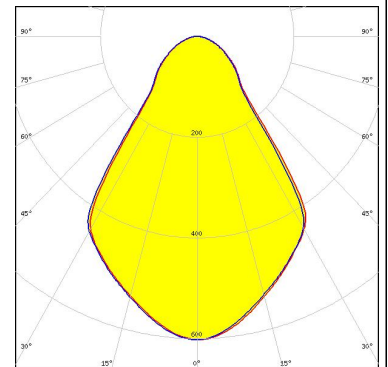
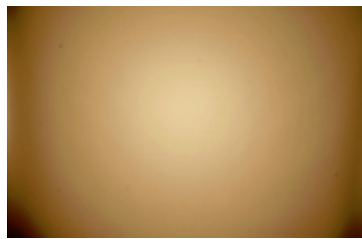
PHOTOMETRIC DATA (MEASURED):



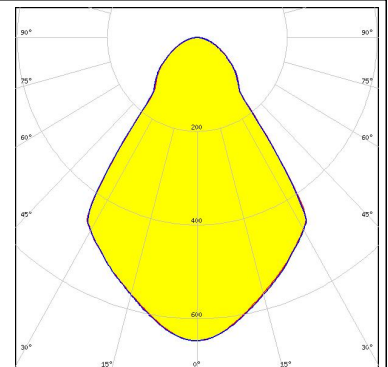
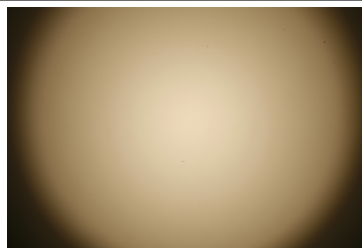
LED COB L-Type (LES 9)
FWHM 73.0°
Efficiency 94 %
Peak intensity 0.620 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 438 Typ L1



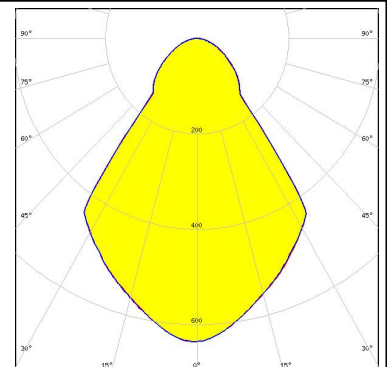
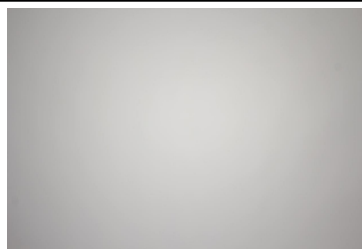
LED PrevaLED Core Z4 LES19
FWHM 71.0°
Efficiency 88 %
Peak intensity 0.600 cd/lm
Required components:
F13671_ANGE-RZ-LENS
TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED PrevaLED Core Z4 LES19
FWHM 71.0°
Efficiency 93 %
Peak intensity 0.650 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED Soleriq S13
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.640 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 437 Typ L1



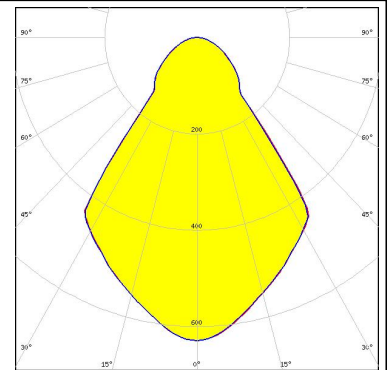
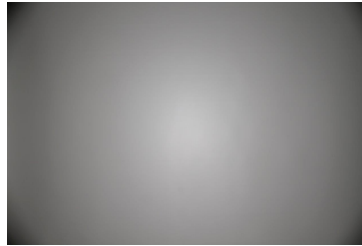
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq S13
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.630 cd/lm

Required components:

TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



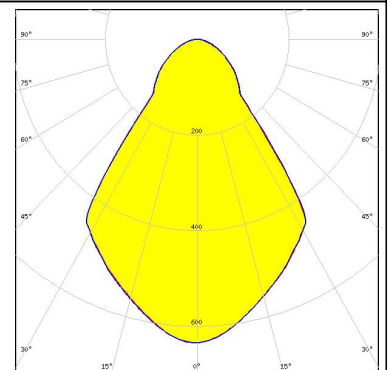
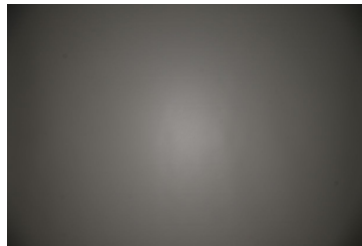
OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 71.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm

Required components:

C13584_CLAMP-VERO29

Bender Wirth: 462 Typ L3

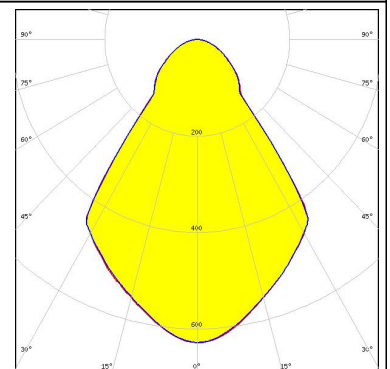
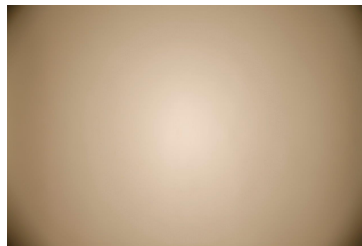


OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 72.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm

Required components:

TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1

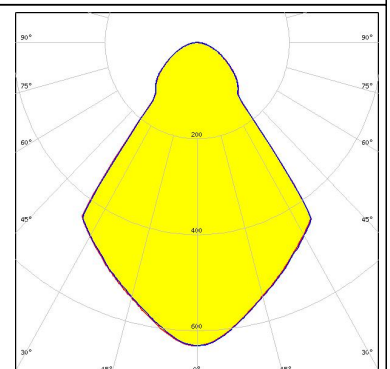
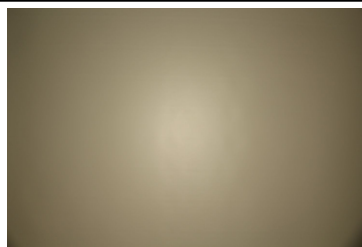


PHILIPS

LED Fortimo SLM L09 Standard
FWHM 72.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm

Required components:

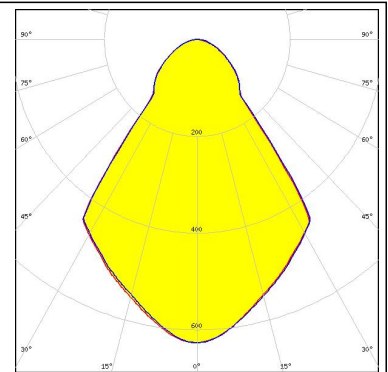
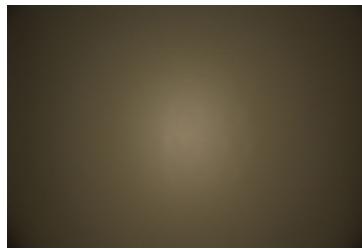
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

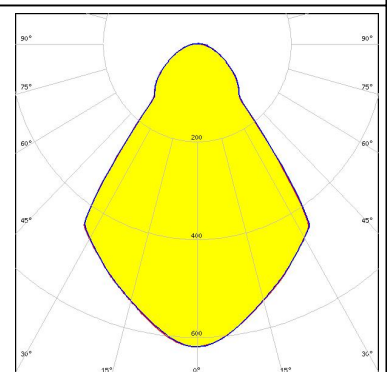
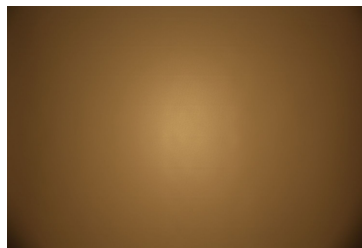
PHILIPS

LED Fortimo SLM L13 Standard
FWHM 72.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



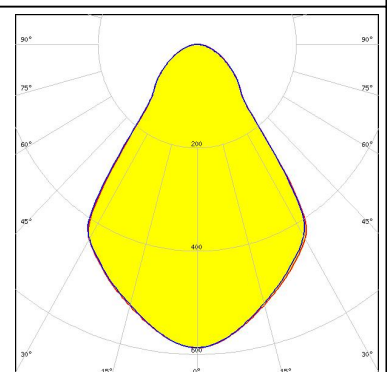
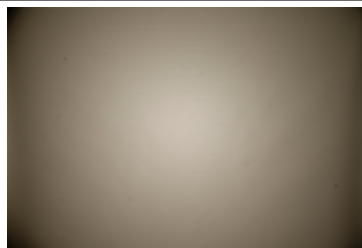
PHILIPS

LED Fortimo SLM L15 Standard
FWHM 72.0°
Efficiency 90 %
Peak intensity 0.620 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



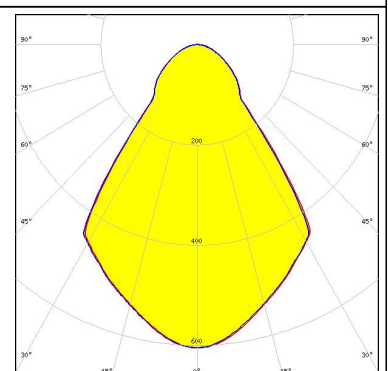
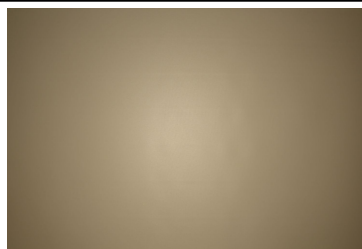
PHILIPS

LED Fortimo SLM L15 Standard
FWHM 72.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
Required components:
F13671_ANGLE-RZ-LENS
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

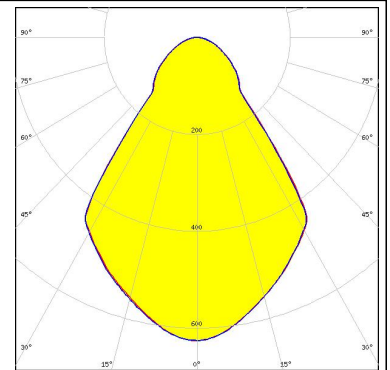
LED Fortimo SLM L19 Standard
FWHM 72.0°
Efficiency 89 %
Peak intensity 0.600 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

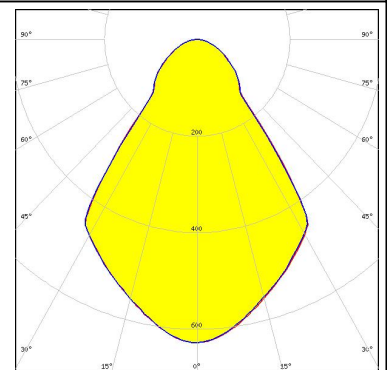
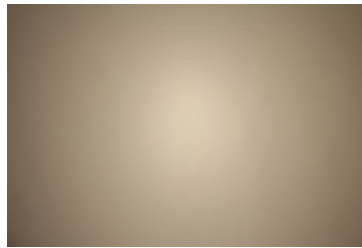
SAMSUNG

LED LC026B / 033B / 040B
FWHM 72.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 450 Typ L2



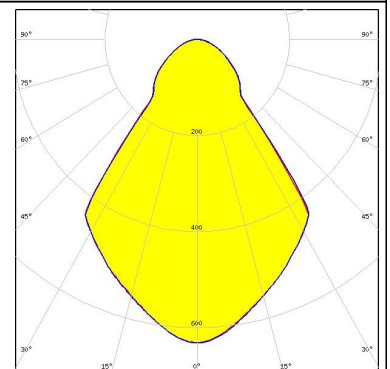
SAMSUNG

LED LC026B / 033B / 040B
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.630 cd/lm
Required components:



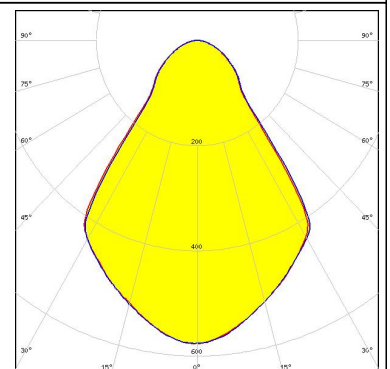
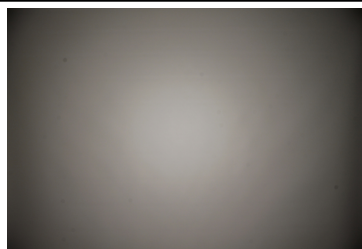
SAMSUNG

LED LC040C
FWHM 72.0°
Efficiency 92 %
Peak intensity 0.630 cd/lm
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

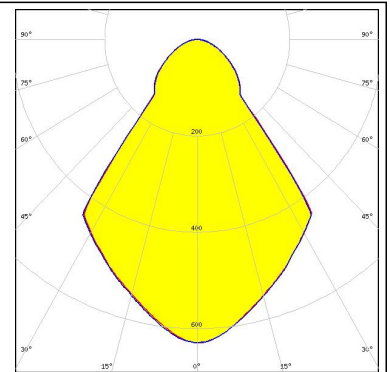
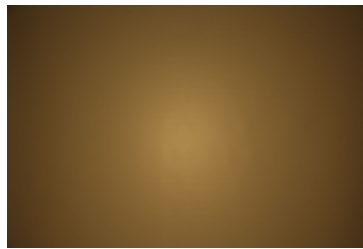
LED AC Zhaga COB
FWHM 72.0°
Efficiency 87 %
Peak intensity 0.580 cd/lm
Required components:
F13671_ANGE-RZ-LENS
Optosource: SEHSMJD-A



PHOTOMETRIC DATA (MEASURED):

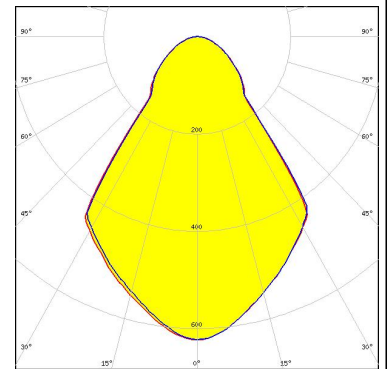
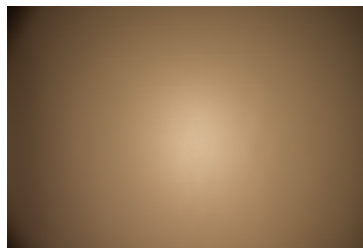
TRIDONIC

LED SLE G5 LES11
 FWHM 73.0°
 Efficiency 92 %
 Peak intensity 0.630 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 434 Typ L1



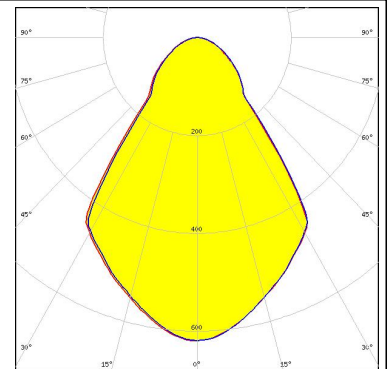
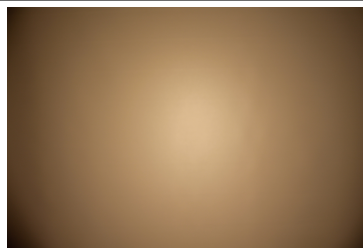
VS LIGHTING SOLUTIONS

LED WU-M-461
 FWHM 72.0°
 Efficiency 92 %
 Peak intensity 0.600 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



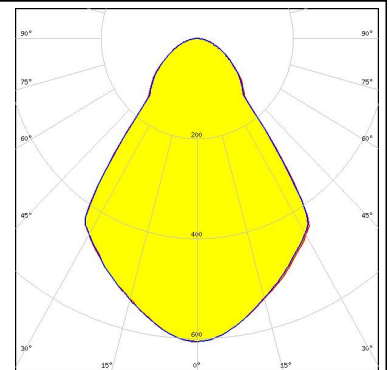
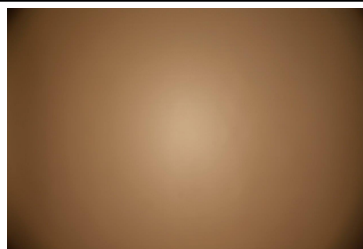
VS LIGHTING SOLUTIONS

LED WU-M-462
 FWHM 72.0°
 Efficiency 92 %
 Peak intensity 0.600 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



VS LIGHTING SOLUTIONS

LED WU-M-464
 FWHM 73.0°
 Efficiency 92 %
 Peak intensity 0.600 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):



LED WU-M-484

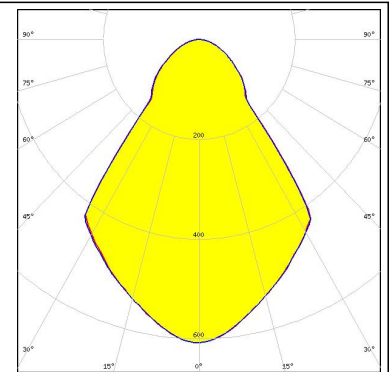
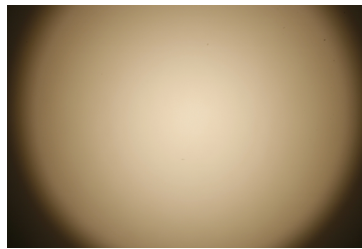
FWHM 73.0°

Efficiency 92 %

Peak intensity 0.608 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-485

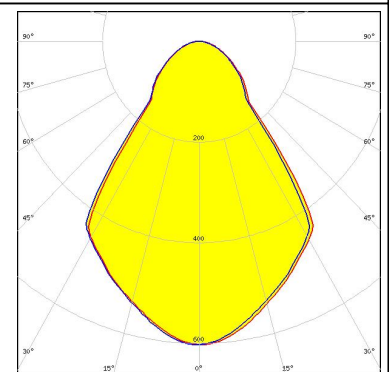
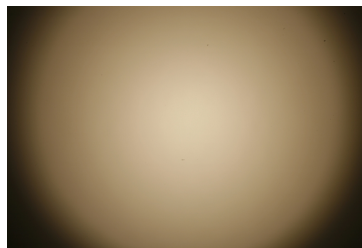
FWHM 73.0°

Efficiency 92 %

Peak intensity 0.600 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-486

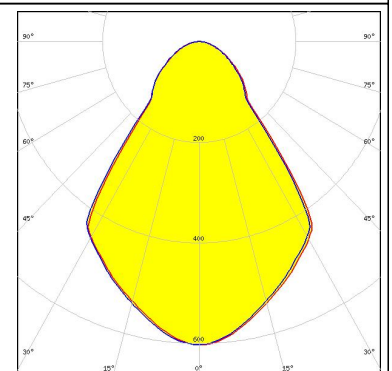
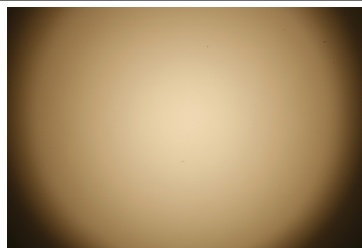
FWHM 73.0°

Efficiency 92 %


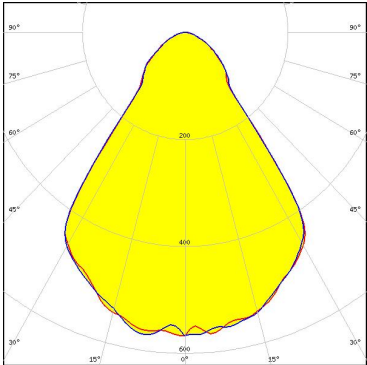

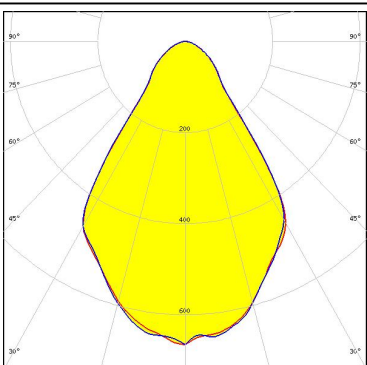

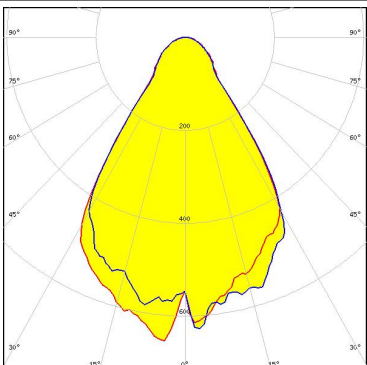

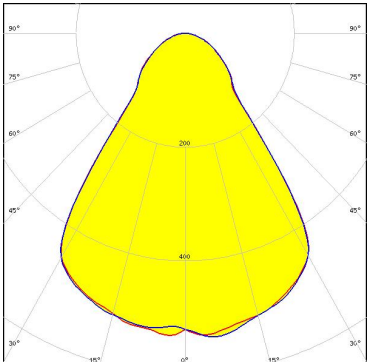
Peak intensity 0.600 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux</p> <p>LED V10 Gen7 FWHM 72.0° Efficiency 86 % Peak intensity 0.580 cd/lm Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1</p>	
<p> bridgelux</p> <p>LED V13 Gen7 FWHM 69.0° Efficiency 86 % Peak intensity 0.667 cd/lm Required components: IDEAL: 50-2103CT + 50-2100AN</p>	
<p> bridgelux</p> <p>LED V22 Gen7 FWHM 66.0° Efficiency 80 % Peak intensity 0.658 cd/lm Required components: IDEAL: 50-2204-CT + 50-2100AN</p>	
<p> CREE</p> <p>LED CXA/B 1830 FWHM 73.0° Efficiency 88 % Peak intensity 0.540 cd/lm Required components: TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>	

PHOTOMETRIC DATA (SIMULATED):



LED CXM-14
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.630 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1



LED CXM-9
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.640 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



SEOUL SEMICONDUCTOR

LED ZC12/18
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.630 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1



SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 72.0°
Efficiency 93 %
Peak intensity 0.640 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.

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