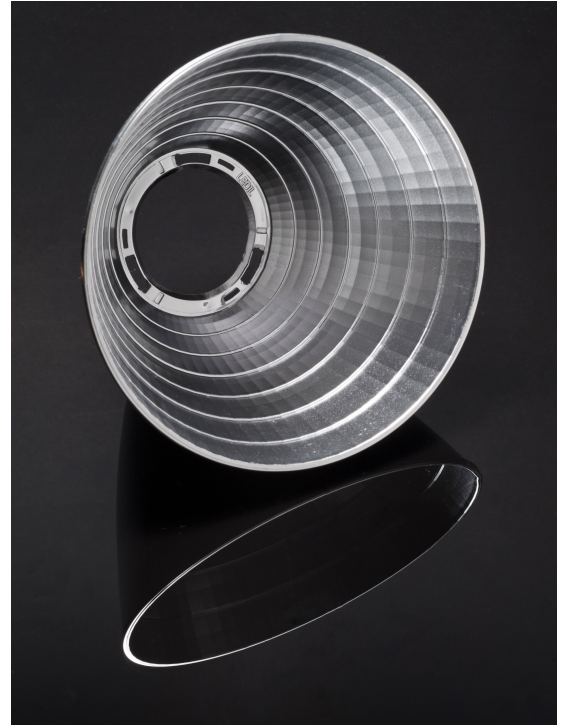


ANGELA-M

~30° medium beam

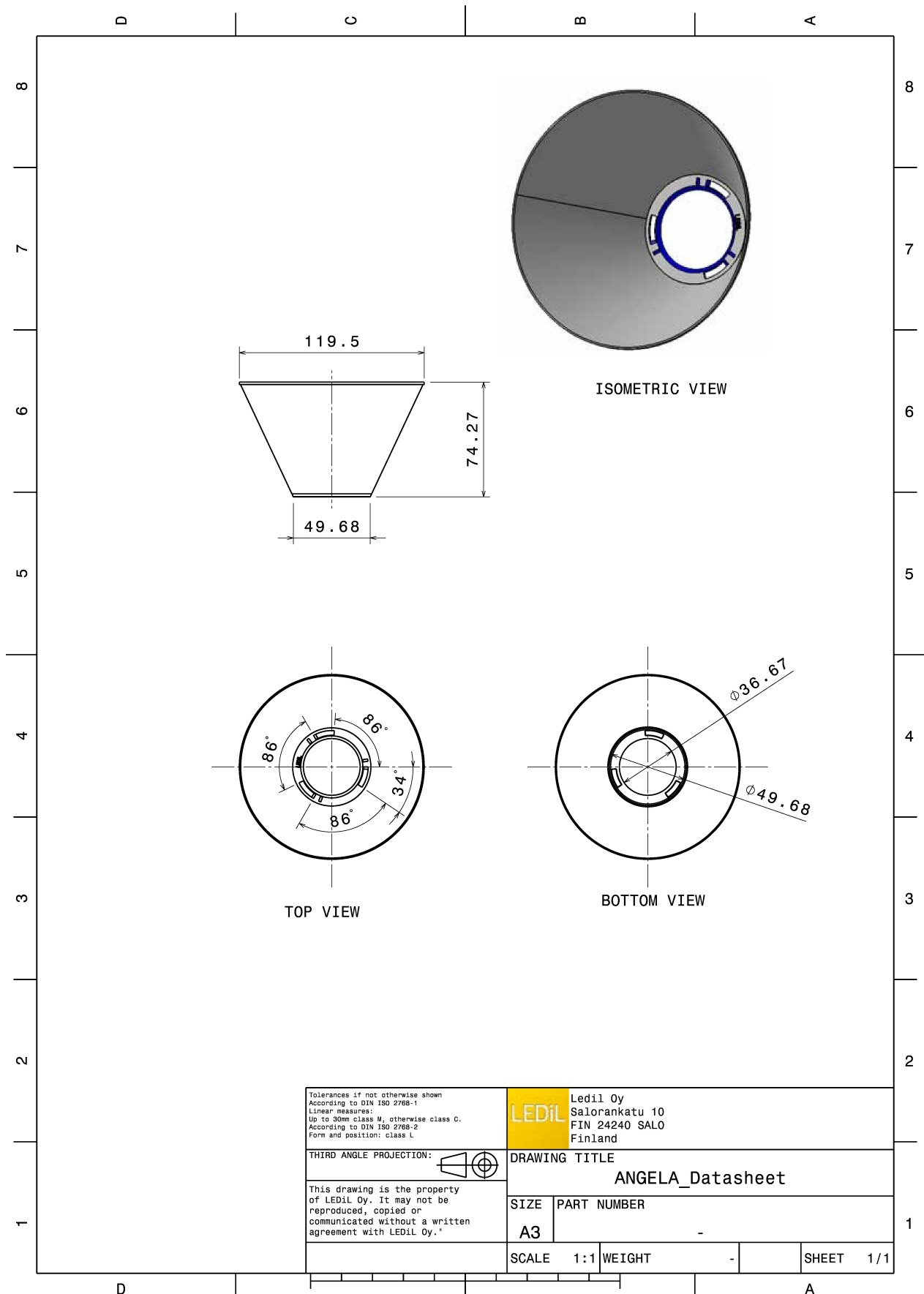
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 119.5 mm
Height	74.3 mm
Fastening	
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	9.3 kg
Quantity in Box	180 pcs
ROHS compliant	yes ⓘ


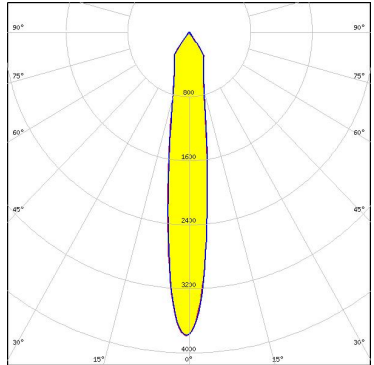

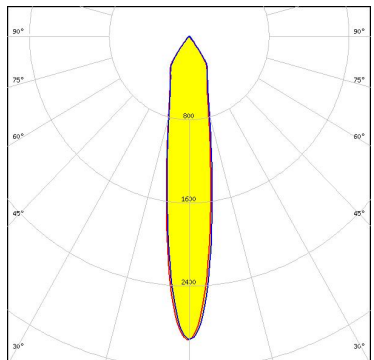
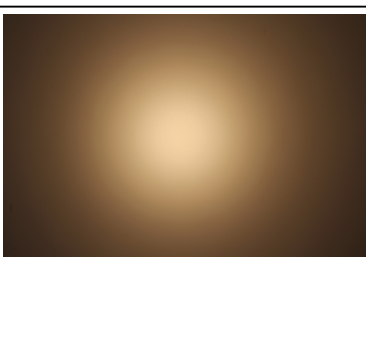


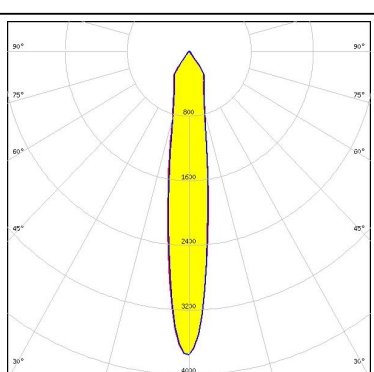


MATERIAL SPECIFICATIONS:


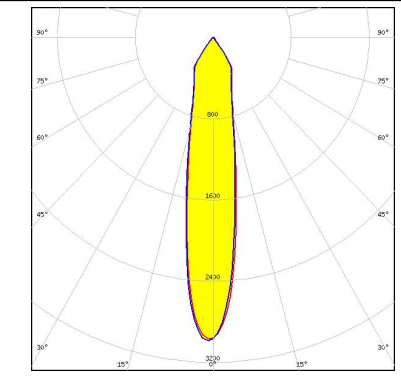
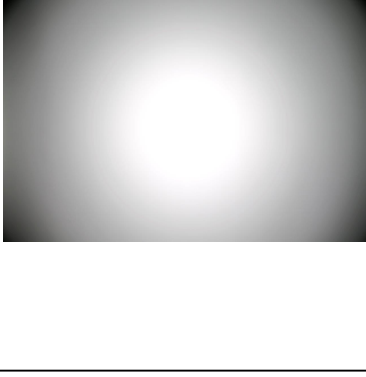
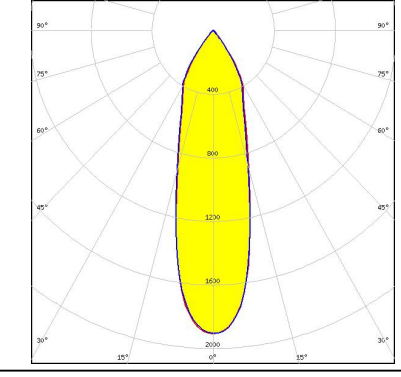
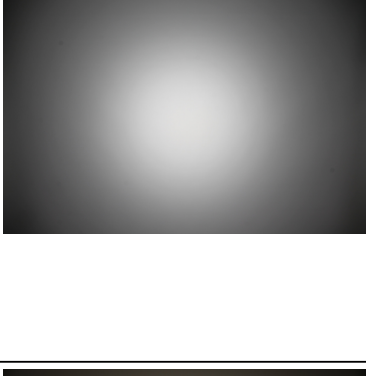
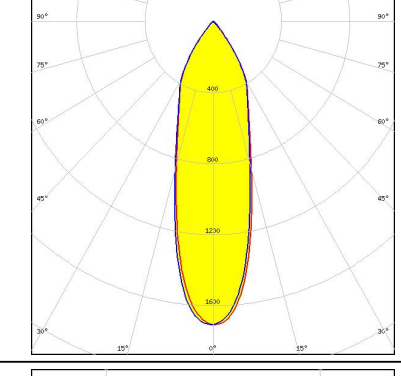

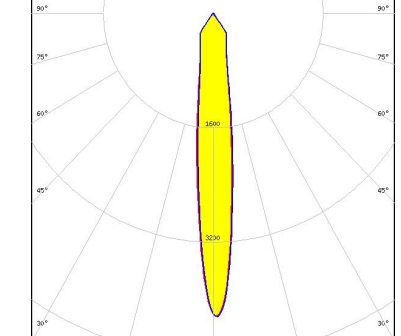
Component	Type	Material	Colour	Coating
ANGELA-M	Reflector	PC	metal	HMDS



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 16.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 3.800 cd/lm</p> <p>Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 18.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.900 cd/lm</p> <p>Required components: F13671_ANGE-RZ-LENS TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED V15 Gen6</p> <p>FWHM 17.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3.900 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 456 Typ L2</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 16.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 3.600 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 LEDiL: LEDiL</p>		

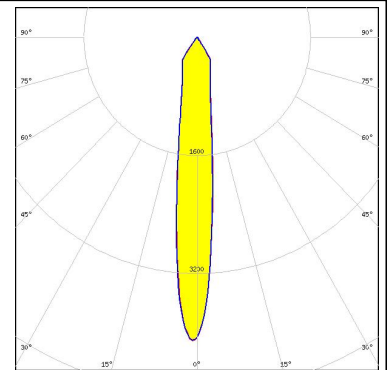
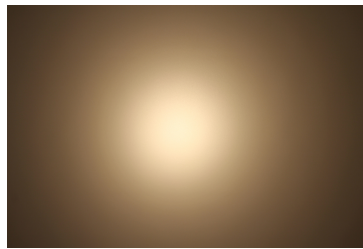
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 19.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.000 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 LEDiL: LEDiL</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 29.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.900 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29 LEDiL: LEDiL</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 30.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.710 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29 F13671_ANGE-RZ-LENS</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10)</p> <p>FWHM 14.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 4.300 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1</p>		

PHOTOMETRIC DATA (MEASURED):

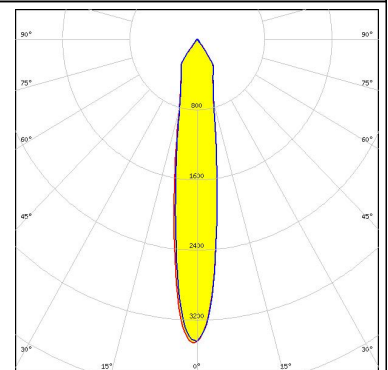
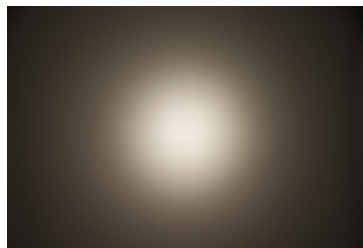
CITIZEN

LED CLL03x/CLU03x
FWHM 14.0°
Efficiency 84 %
Peak intensity 4.100 cd/lm
Required components:
IDEAL: 50-2103CT + 50-2100AN



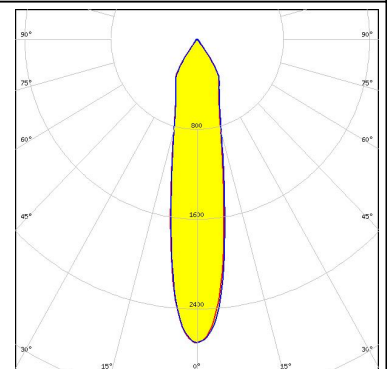
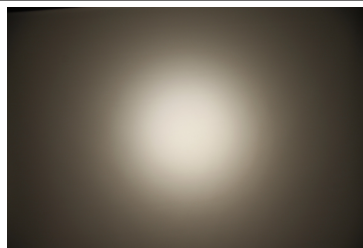
CITIZEN

LED CLL03x/CLU03x
FWHM 17.0°
Efficiency 88 %
Peak intensity 3.400 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1



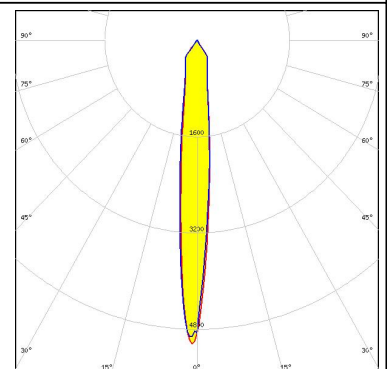
CITIZEN

LED CLL04x/CLU04x
FWHM 21.0°
Efficiency 84 %
Peak intensity 2.700 cd/lm
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 431 Typ L3



CITIZEN

LED CLU700/701
FWHM 12.0°
Efficiency 83 %
Peak intensity 5.200 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLU720/721

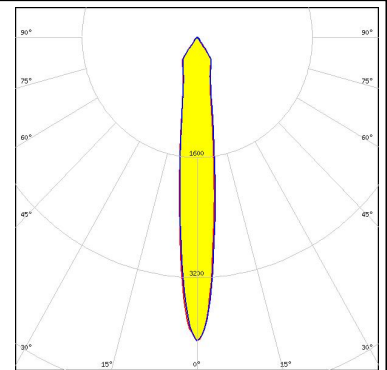
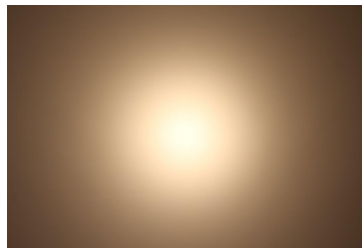
FWHM 14.0°

Efficiency 87 %

Peak intensity 4.000 cd/lm

Required components:

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



CITIZEN

LED CLU720/721

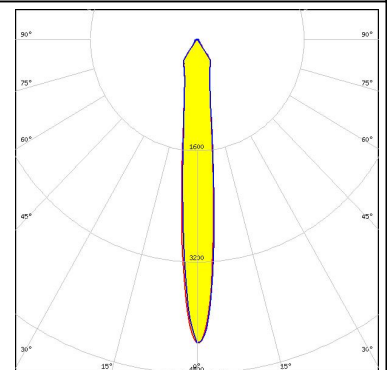
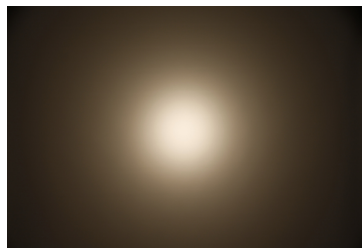
FWHM 12.0°

Efficiency 87 %

Peak intensity 4.400 cd/lm

Required components:

IDEAL: 50-2103CT + 50-2100AN



CITIZEN

LED CLU720/721

FWHM 14.0°

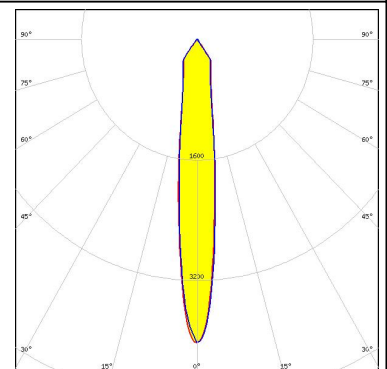
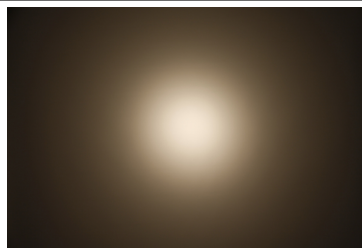
Efficiency 83 %

Peak intensity 4.000 cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 433 Typ L1



CITIZEN

LED CLU730/731

FWHM 15.0°

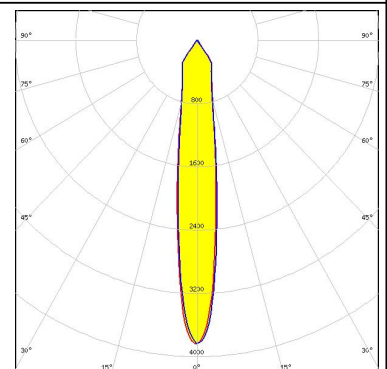
Efficiency 84 %

Peak intensity 3.800 cd/lm

Required components:

C13584_CLAMP-VERO29

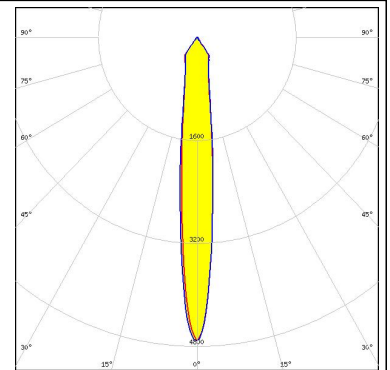
Bender Wirth: 471 Typ L3



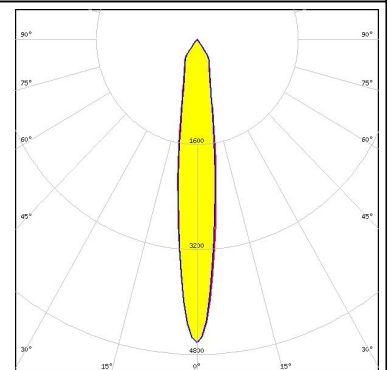
PHOTOMETRIC DATA (MEASURED):



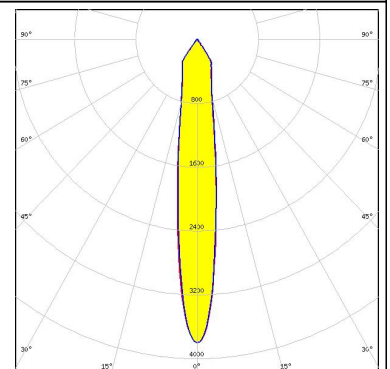
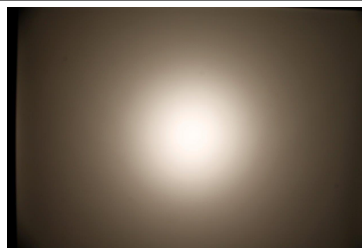
LED CXA/B 15xx
 FWHM 13.0°
 Efficiency 84 %
 Peak intensity 4.700 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 441 Typ L1



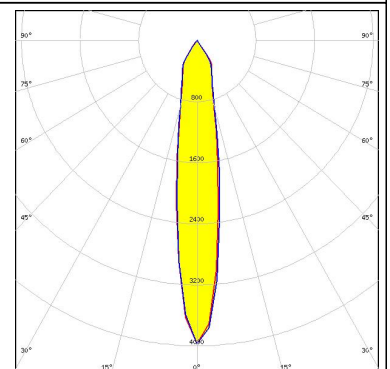
LED CXA/B 15xx
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 4.600 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 LEDiL: LEDiL



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 15.0°
 Efficiency 83 %
 Peak intensity 3.800 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1



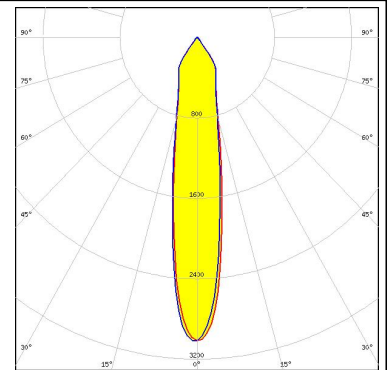
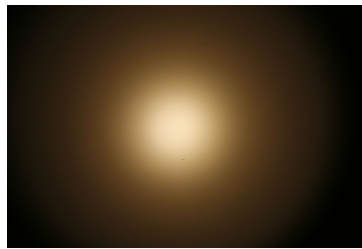
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 17.0°
 Efficiency 85 %
 Peak intensity 4.000 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 LEDiL: LEDiL



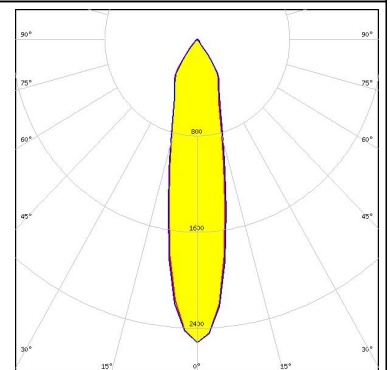
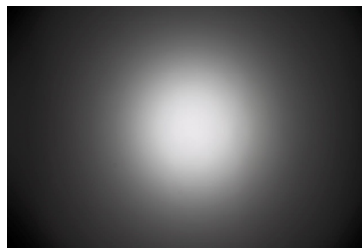
PHOTOMETRIC DATA (MEASURED):



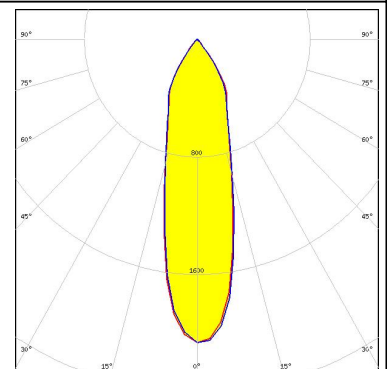
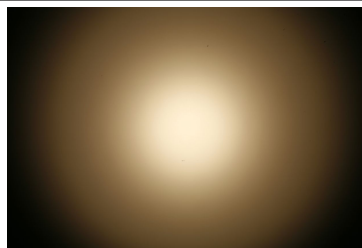
LED CXA/B 25xx
 FWHM 19.0°
 Efficiency 85 %
 Peak intensity 3.000 cd/lm
 Required components:
 C14036_CLAMP-CXA25-30
 LEDiL: LEDiL



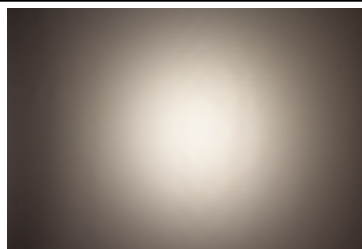
LED CXA/B 30xx
 FWHM 22.0°
 Efficiency 84 %
 Peak intensity 2.520 cd/lm
 Required components:
 C14036_CLAMP-CXA25-30
 LEDiL: LEDiL



LED CXA/B 3590
 FWHM 27.0°
 Efficiency 85 %
 Peak intensity 2.070 cd/lm
 Required components:
 IDEAL: 50-2303CR + 50-2300AN



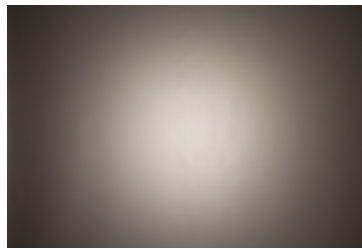
LED CHI3030 19W
 FWHM 21.0°
 Efficiency 83 %
 Peak intensity 2.400 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 468 Typ L3



PHOTOMETRIC DATA (MEASURED):

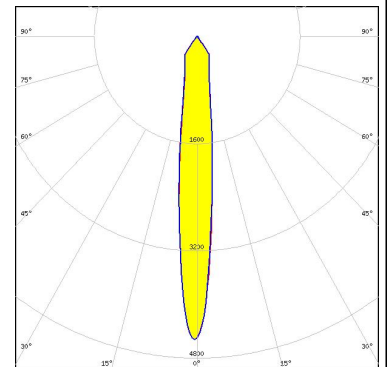
EVERLIGHT

LED CHI3030 29W
 FWHM 26.0°
 Efficiency 83 %
 Peak intensity 2.300 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 468 Typ L3



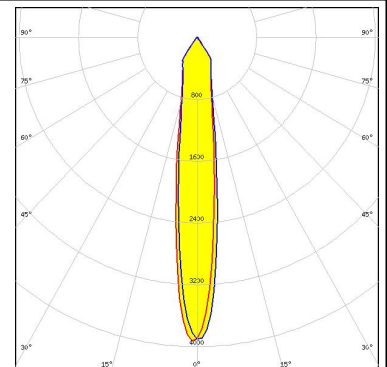
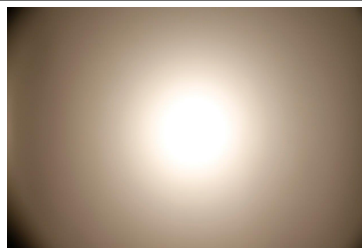
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM 13.0°
 Efficiency 84 %
 Peak intensity 4.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 438 Typ L1



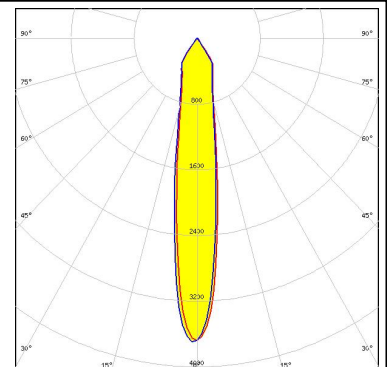
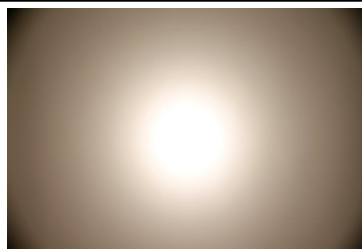
LUMILEDS

LED LUXEON CoB 1204/1205
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 3.930 cd/lm
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LUMILEDS

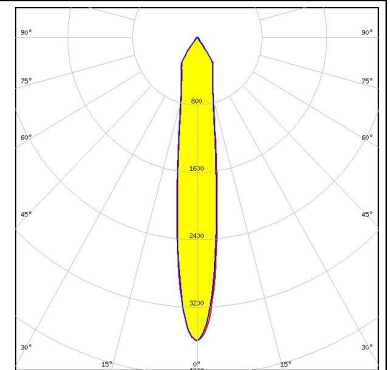
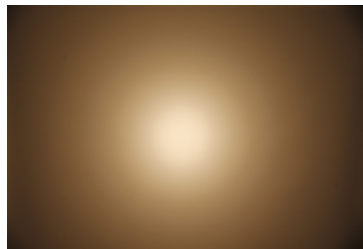
LED LUXEON CoB 1208
 FWHM 16.0°
 Efficiency 85 %
 Peak intensity 3.700 cd/lm
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



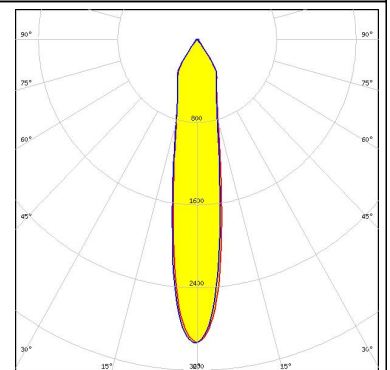
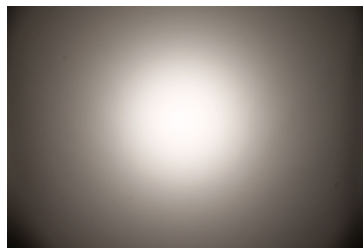
PHOTOMETRIC DATA (MEASURED):



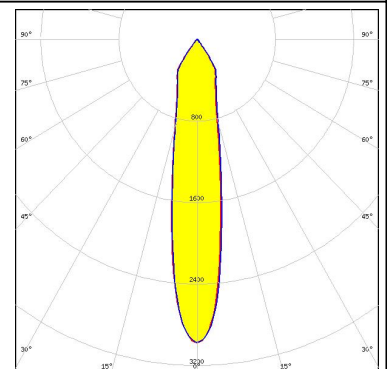
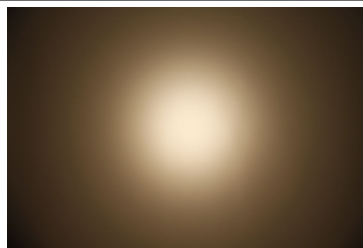
LED LUXEON CoB 1208
 FWHM 16.0°
 Efficiency 83 %
 Peak intensity 3.600 cd/lm
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



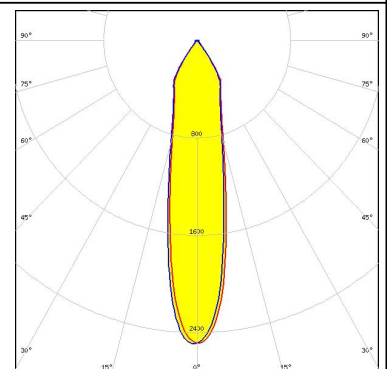
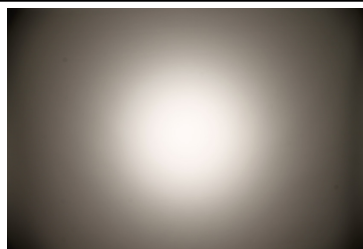
LED LUXEON CoB 1211
 FWHM 19.0°
 Efficiency 83 %
 Peak intensity 2.900 cd/lm
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



LED LUXEON CoB 1211
 FWHM 19.0°
 Efficiency 85 %
 Peak intensity 3.000 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



LED LUXEON CoB 1216/1812
 FWHM 22.0°
 Efficiency 83 %
 Peak intensity 2.500 cd/lm
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON K12

FWHM 17.0°

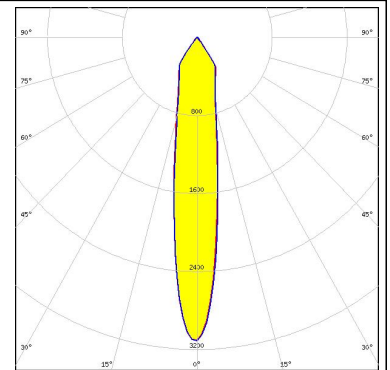
Efficiency 83 %

Peak intensity 3.000 cd/lm

Required components:

F13671_ANGE-RZ-LENS

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



LUMILEDS

LED LUXEON K16

FWHM 18.0°

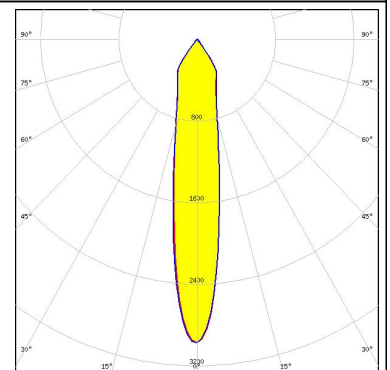
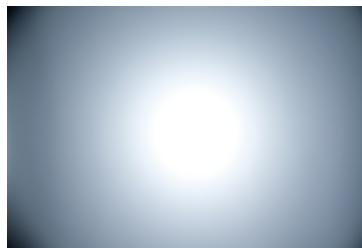
Efficiency 84 %

Peak intensity 3.000 cd/lm

Required components:

F13671_ANGE-RZ-LENS

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



LUMILEDS

LED LUXEON S2000

FWHM 15.0°

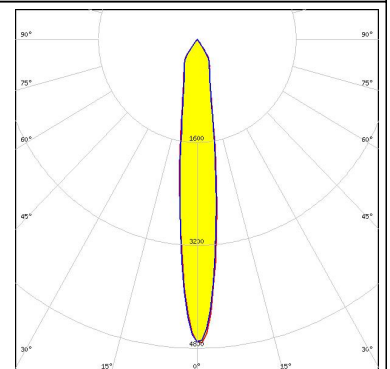
Efficiency 85 %

Peak intensity 4.700 cd/lm

Required components:

C13395_CLAMP-S2000

LEDiL: LEDiL



LUMILEDS

LED LUXEON S3000

FWHM 16.0°

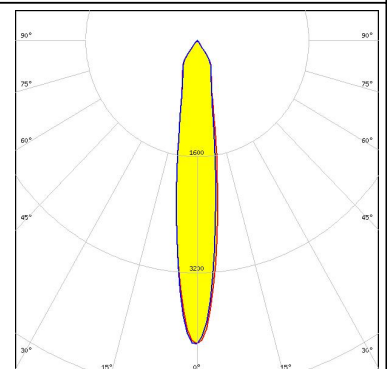
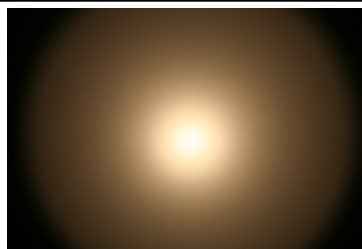
Efficiency 85 %

Peak intensity 4.200 cd/lm

Required components:

C13397_CLAMP-S3000

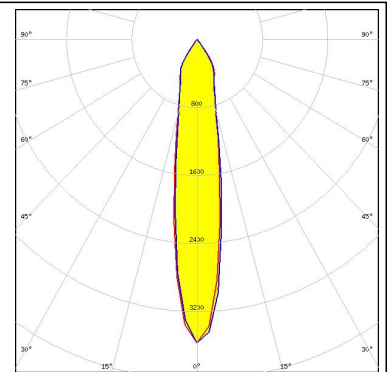
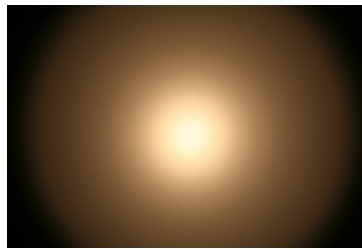
LEDiL: LEDiL



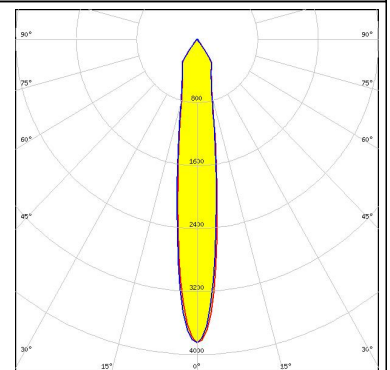
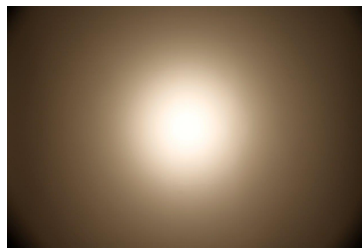
PHOTOMETRIC DATA (MEASURED):



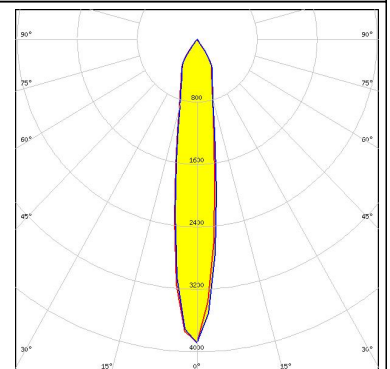
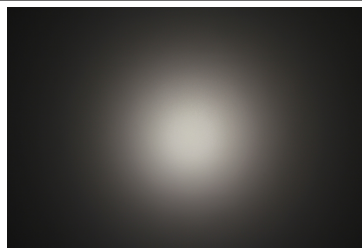
LED LUXEON S5000
 FWHM 19.0°
 Efficiency 86 %
 Peak intensity 3.600 cd/lm
 Required components:
 C13399_CLAMP-S5000
 LEDiL: LEDiL



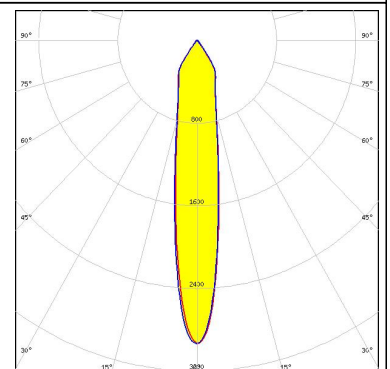
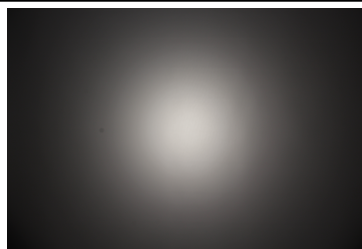
LED CXM-14
 FWHM 16.0°
 Efficiency 85 %
 Peak intensity 3.860 cd/lm
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED COB J-Type
 FWHM 17.0°
 Efficiency 83 %
 Peak intensity 3.890 cd/lm
 Required components:
 IDEAL: 50-2103NC + 50-2100AN



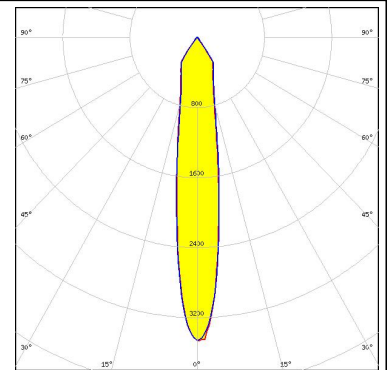
LED COB J-Type
 FWHM 17.0°
 Efficiency 80 %
 Peak intensity 2.900 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2103NC + 50-2100AN



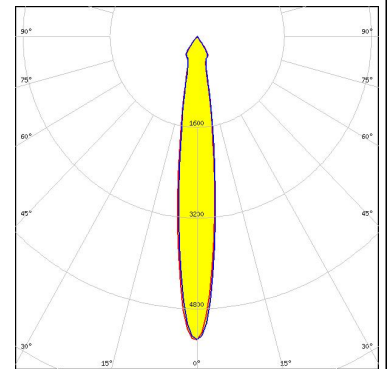
PHOTOMETRIC DATA (MEASURED):



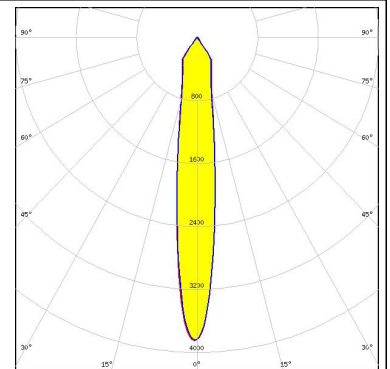
LED COB J-Type
 FWHM 17.0°
 Efficiency 83 %
 Peak intensity 3.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 463 Typ L2



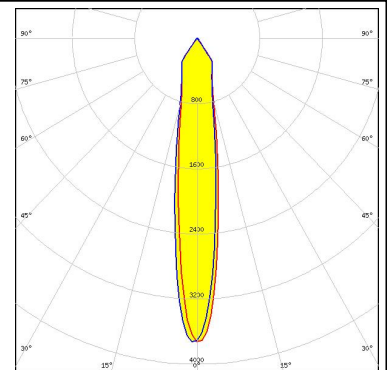
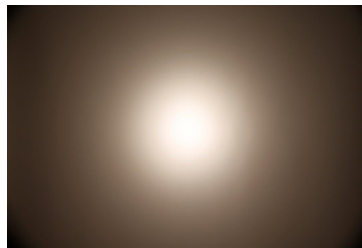
LED COB L-Type (LES 11)
 FWHM 15.0°
 Efficiency 84 %
 Peak intensity 5.350 cd/lm
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED COB L-Type (LES 11)
 FWHM 15.0°
 Efficiency 83 %
 Peak intensity 3.900 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 438 Typ L1



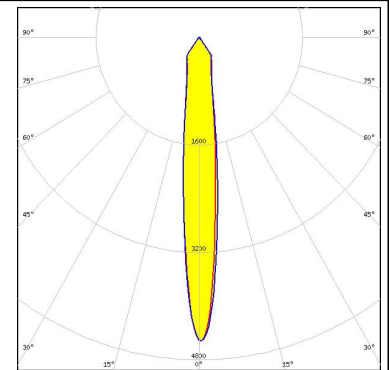
LED COB L-Type (LES 11)
 FWHM 16.0°
 Efficiency 86 %
 Peak intensity 3.740 cd/lm
 Required components:
 Molex: 180580-0005



PHOTOMETRIC DATA (MEASURED):

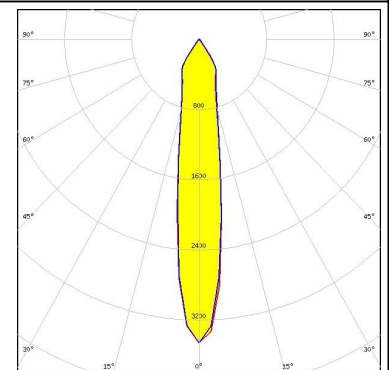


LED COB L-Type (LES 9)
FWHM 13.0°
Efficiency 85 %
Peak intensity 4.500 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 438 Typ L1



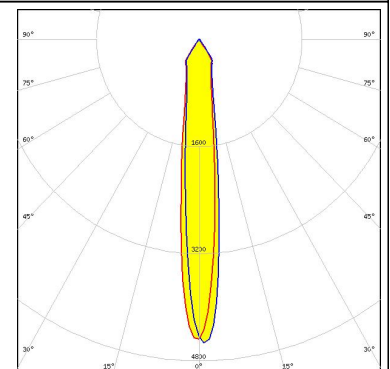
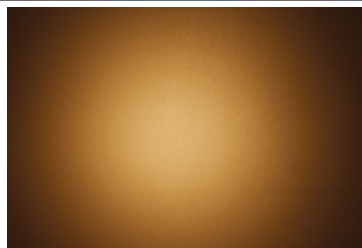
OSRAM

LED PrevaLED Core AC (LEP-2000)
FWHM 17.0°
Efficiency 85 %
Peak intensity 3.470 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



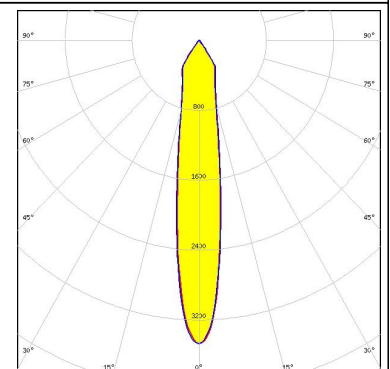
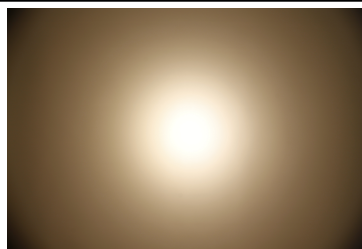
OSRAM

LED PrevaLED Core AC (LEP-800)
FWHM 13.0°
Efficiency 86 %
Peak intensity 4.560 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

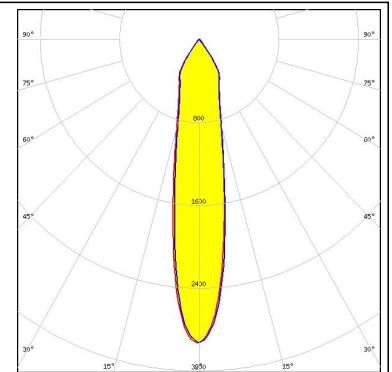
LED PrevaLED Core Z3 LES19
FWHM 17.0°
Efficiency 85 %
Peak intensity 3.470 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

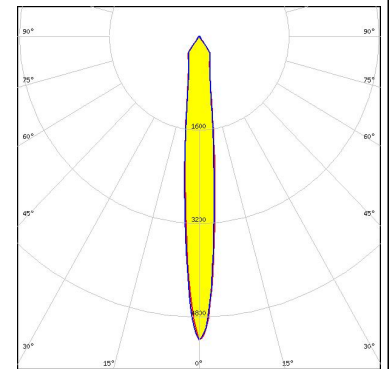
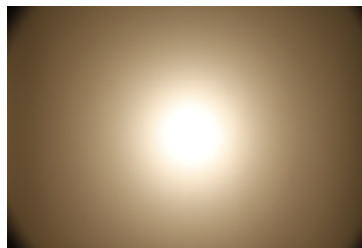
OSRAM

LED PrevaLED Core Z3 LES23
FWHM 20.0°
Efficiency 85 %
Peak intensity 2.930 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



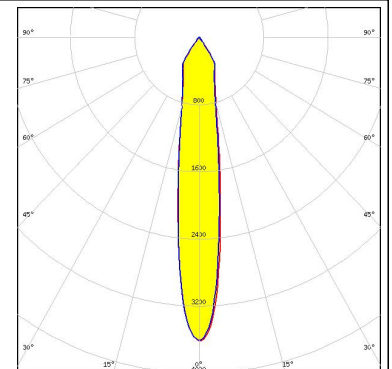
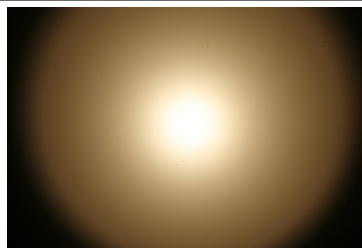
OSRAM

LED PrevaLED Core Z3 LES9
FWHM 12.0°
Efficiency 85 %
Peak intensity 5.190 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



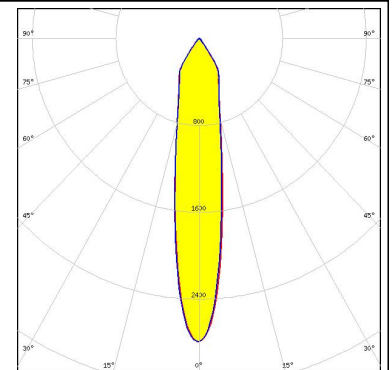
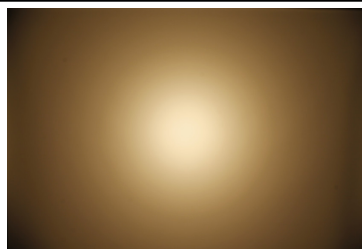
OSRAM

LED PrevaLED Core Z4 LES19
FWHM 16.0°
Efficiency 85 %
Peak intensity 3.600 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

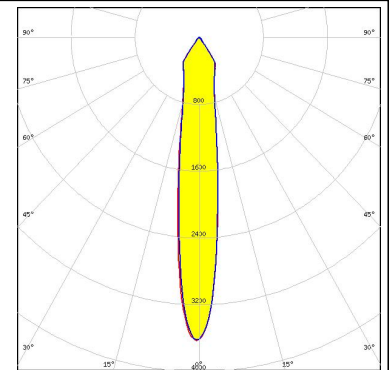
LED PrevaLED Core Z4 LES19
FWHM 19.0°
Efficiency 80 %
Peak intensity 2.800 cd/lm
Required components:
F13671_ANGE-RZ-LENS
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

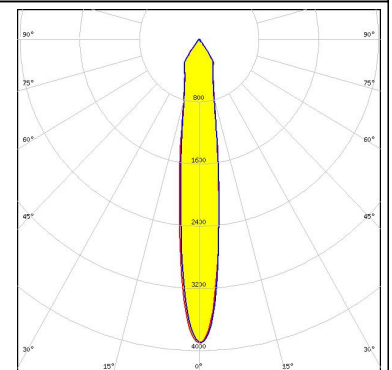
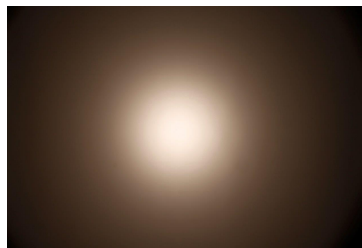
OSRAM
Opto Semiconductors

LED Soleriq P13
 FWHM 16.0°
 Efficiency 88 %
 Peak intensity 3.600 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1



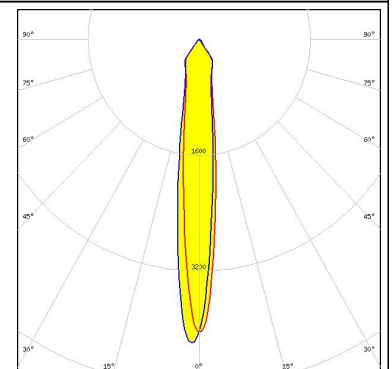
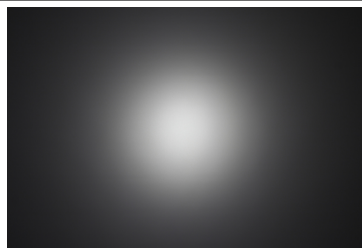
OSRAM
Opto Semiconductors

LED Soleriq P13
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 3.900 cd/lm
 Required components:
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



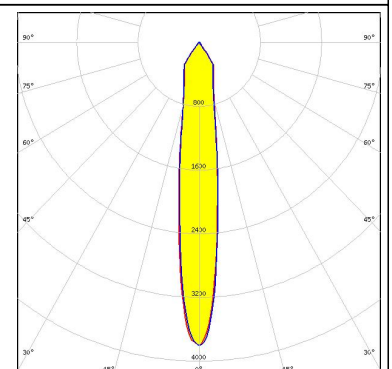
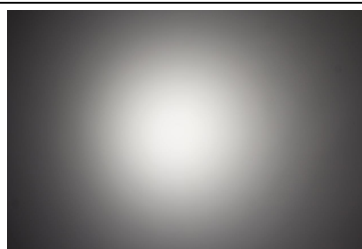
OSRAM
Opto Semiconductors

LED Soleriq P9
 FWHM 13.0°
 Efficiency 88 %
 Peak intensity 4.200 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 461 Typ L1



OSRAM
Opto Semiconductors

LED Soleriq S13
 FWHM 15.0°
 Efficiency 83 %
 Peak intensity 3.800 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1

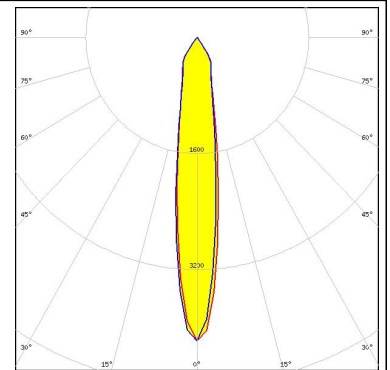
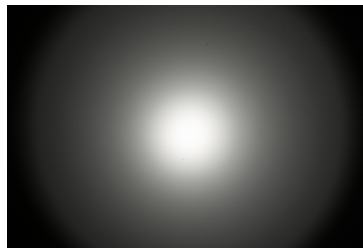


PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq S13
FWHM 15.0°
Efficiency 86 %
Peak intensity 4.200 cd/lm
Required components:

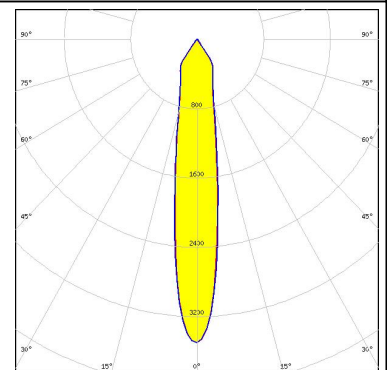
TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 17.0°
Efficiency 86 %
Peak intensity 3.510 cd/lm
Required components:

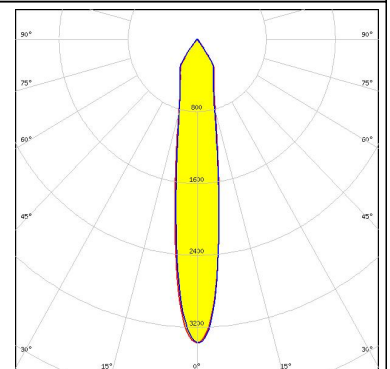
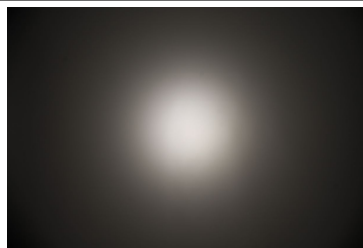
TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 17.0°
Efficiency 83 %
Peak intensity 3.400 cd/lm
Required components:

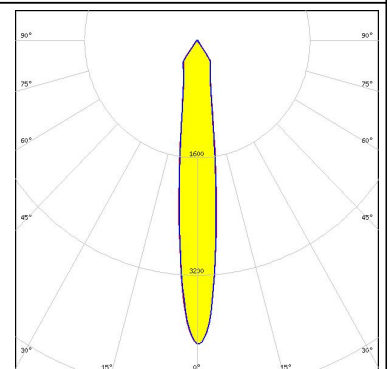
C13584_CLAMP-VERO29
Bender Wirth: 462 Typ L3



PHILIPS

LED Fortimo LED SLM L13 G4 standard
FWHM 15.0°
Efficiency 85 %
Peak intensity 4.100 cd/lm
Required components:

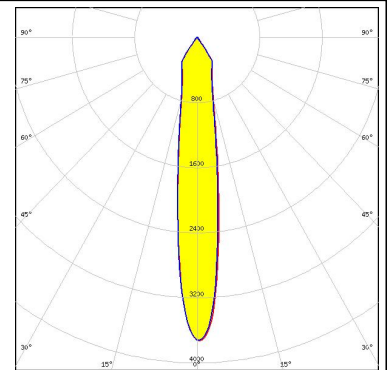
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

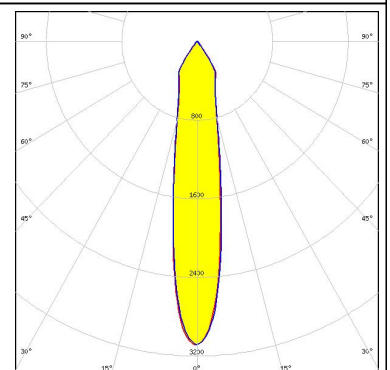
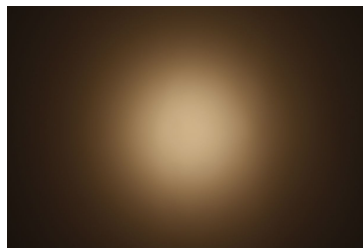
PHILIPS

LED Fortimo LED SLM L15 G4 standard
 FWHM 16.0°
 Efficiency 85 %
 Peak intensity 3.700 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



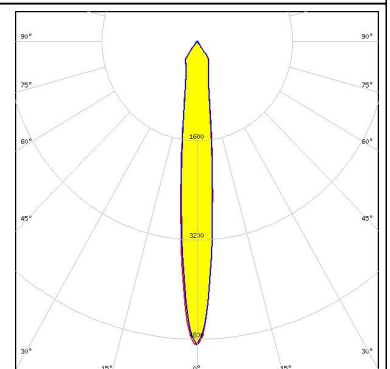
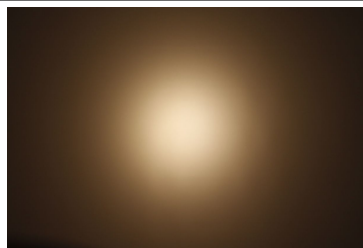
PHILIPS

LED Fortimo LED SLM L19 G4 standard
 FWHM 19.0°
 Efficiency 84 %
 Peak intensity 3.100 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



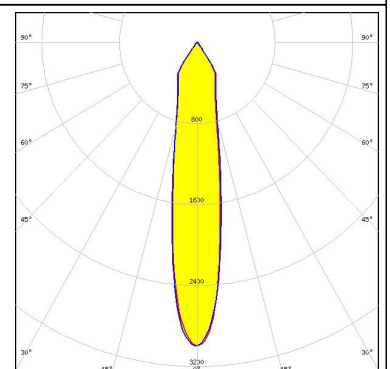
PHILIPS

LED Fortimo LED SLM L9 G4 standard
 FWHM 12.0°
 Efficiency 85 %
 Peak intensity 4.900 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

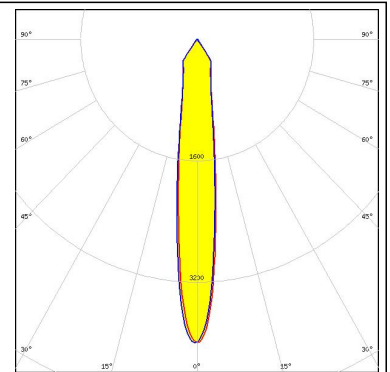
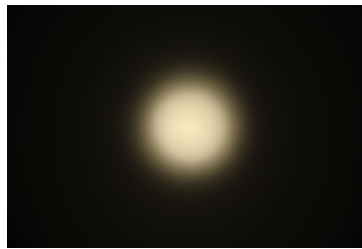
LED Fortimo SLM 1211 L19 G6 Standard
 FWHM 19.0°
 Efficiency 82 %
 Peak intensity 3.000 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

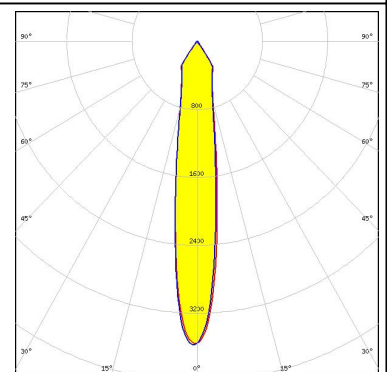
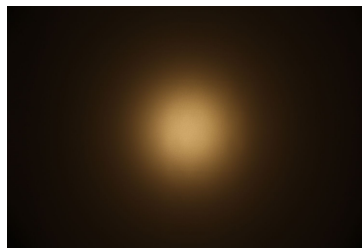
PHILIPS

LED Fortimo SLM G5 LES 13 Standard
 FWHM 15.0°
 Efficiency 84 %
 Peak intensity 4.000 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



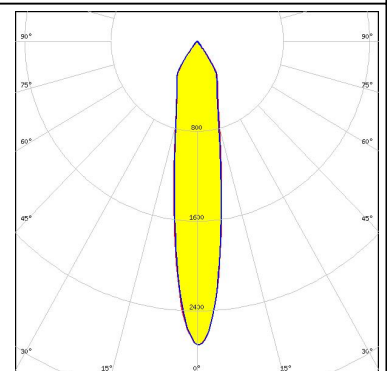
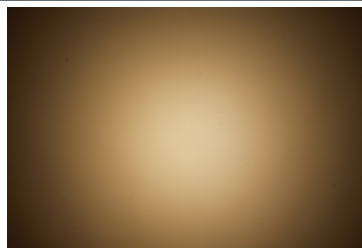
PHILIPS

LED Fortimo SLM G5 LES 15 Standard
 FWHM 16.0°
 Efficiency 82 %
 Peak intensity 3.580 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



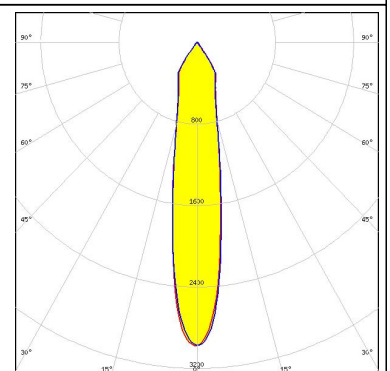
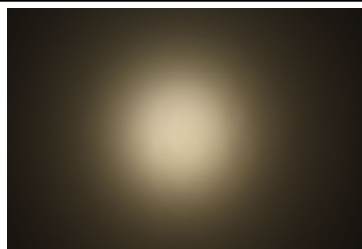
PHILIPS

LED Fortimo SLM G5 LES 15 Standard
 FWHM 19.0°
 Efficiency 78 %
 Peak intensity 2.700 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

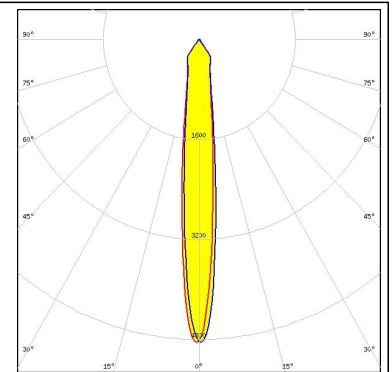
LED Fortimo SLM G5 LES 19 Standard
 FWHM 19.0°
 Efficiency 81 %
 Peak intensity 2.980 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

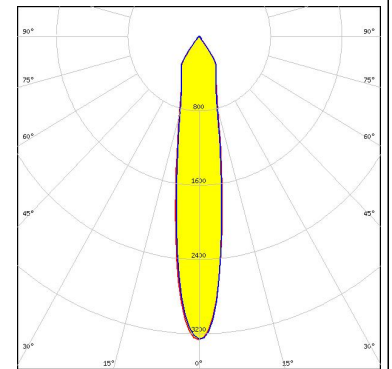
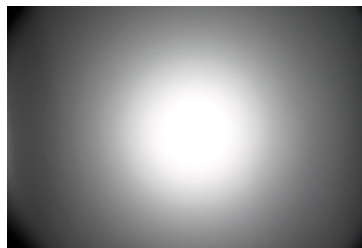
PHILIPS

LED Fortimo SLM G5 LES 9 Standard
 FWHM 13.0°
 Efficiency 84 %
 Peak intensity 4.870 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



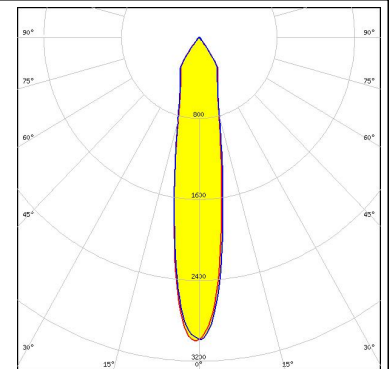
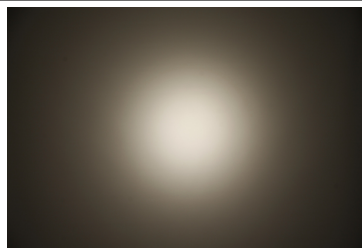
SAMSUNG

LED LC026B / 033B / 040B
 FWHM 18.0°
 Efficiency 85 %
 Peak intensity 3.300 cd/lm
 Required components:
 TE: 2213258-2 + OPTIC CLIP Z50 TYPE1 2213194-1



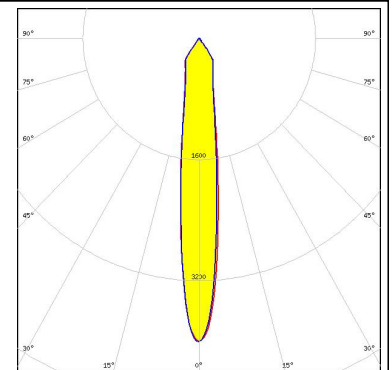
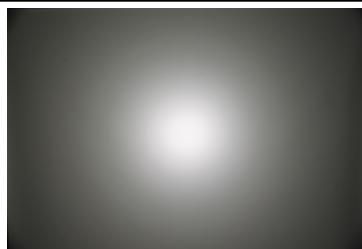
SAMSUNG

LED LC026B / 033B / 040B
 FWHM 19.0°
 Efficiency 83 %
 Peak intensity 3.000 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 450 Typ L2


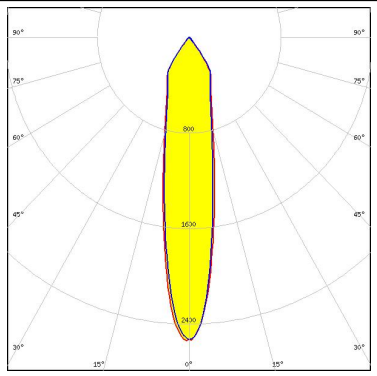

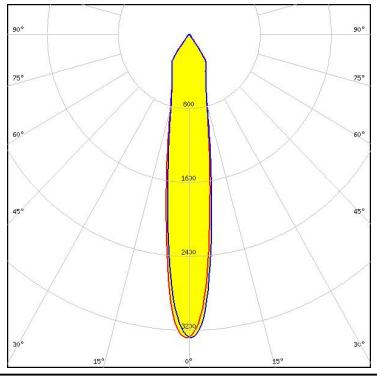

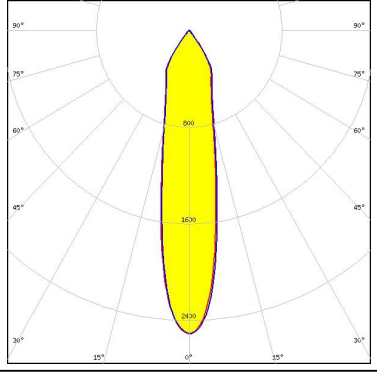

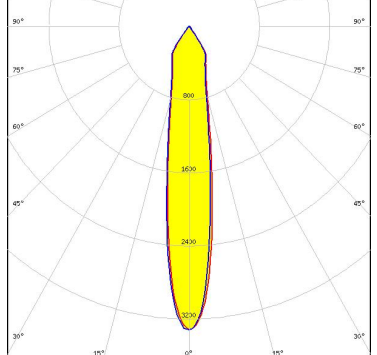


SAMSUNG

LED LC040C
 FWHM 15.0°
 Efficiency 83 %
 Peak intensity 4.000 cd/lm
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



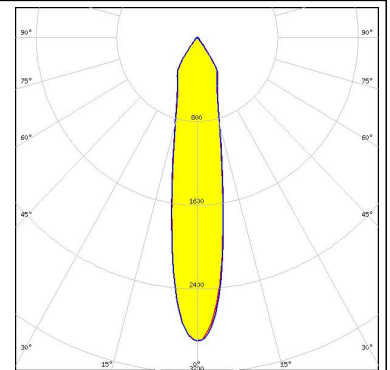
PHOTOMETRIC DATA (MEASURED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED AC Zhaga COB FWHM 19.0° Efficiency 79 % Peak intensity 2.500 cd/lm Required components: F13671_ANGE-RZ-LENS Optosource: SEHSMJD-A</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5 FWHM 17.0° Efficiency 82 % Peak intensity 3.300 cd/lm Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 22 FWHM 22.0° Efficiency 82 % Peak intensity 2.500 cd/lm Required components: C13584_CLAMP-VERO29 Bender Wirth: 431 Typ L3</p>		
<p>TRIDONIC</p> <p>LED SLE G4 LES19 H FWHM 17.0° Efficiency 83 % Peak intensity 3.300 cd/lm Required components: TE: OPTIC CLIP Z50 TYPE1 2213194-1</p>		

PHOTOMETRIC DATA (MEASURED):

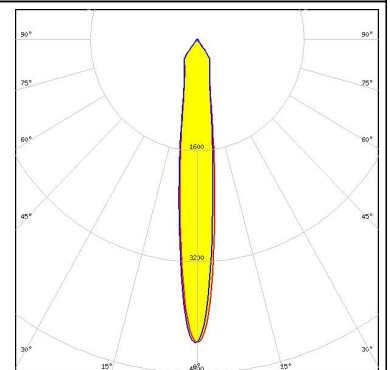
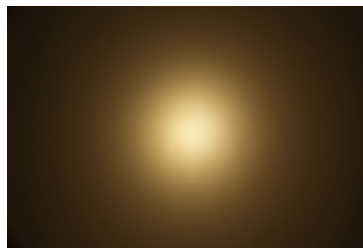
TRIDONIC

LED SLE G4 LES23 H
 FWHM 20.0°
 Efficiency 85 %
 Peak intensity 2.900 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



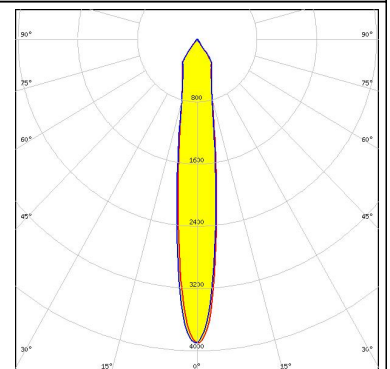
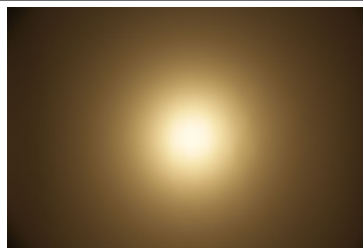
TRIDONIC

LED SLE G5 LES11
 FWHM 14.0°
 Efficiency 84 %
 Peak intensity 4.400 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 434 Typ L1



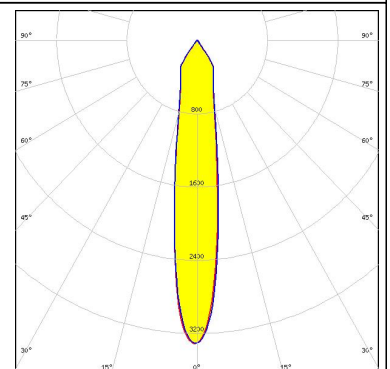
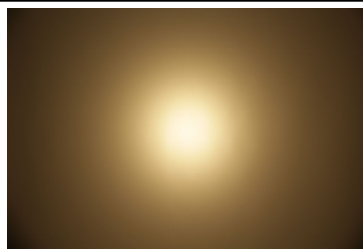
TRIDONIC

LED SLE G5 LES15
 FWHM 15.0°
 Efficiency 84 %
 Peak intensity 3.900 cd/lm
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED SLE G5 LES19 H
 FWHM 17.0°
 Efficiency 81 %
 Peak intensity 3.300 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G5 LES23 H

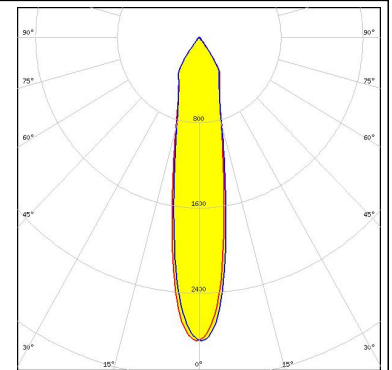
FWHM 20.0°

Efficiency 85 %

Peak intensity 2.900 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED SLE G6 LES19 H

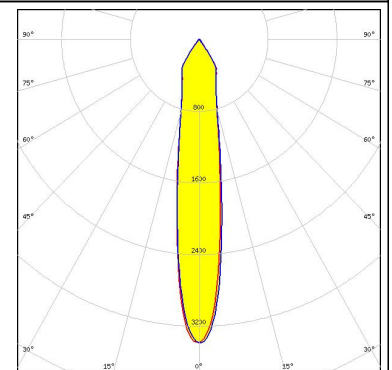
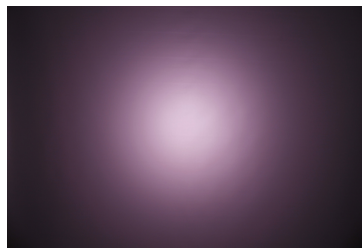
FWHM 17.0°

Efficiency 84 %

Peak intensity 3.400 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G3 LES19

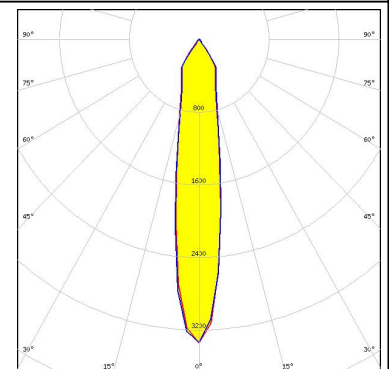
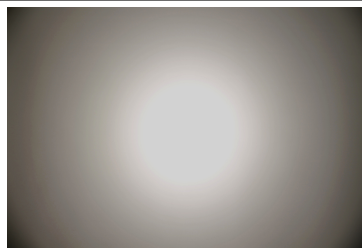
FWHM 18.0°

Efficiency 85 %

Peak intensity 3.360 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G3 LES23

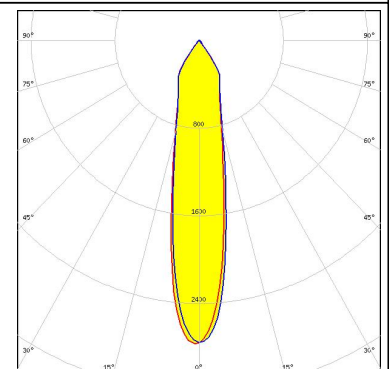
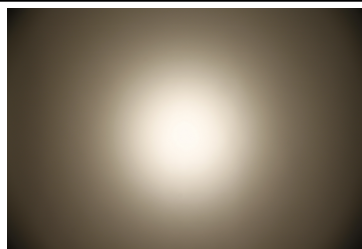
FWHM 21.0°

Efficiency 85 %

Peak intensity 2.800 cd/lm

Required components:

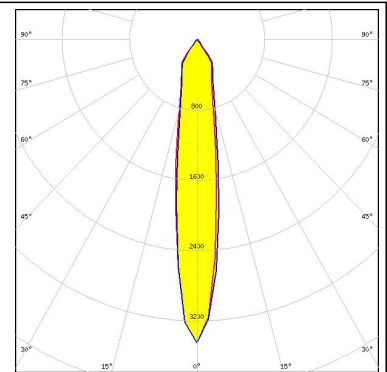
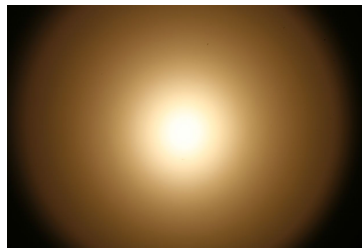
TE: OPTIC CLIP Z50 TYPE1 2213194-1



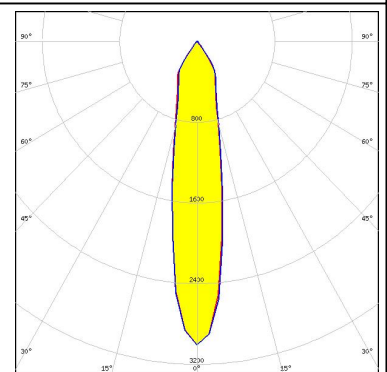
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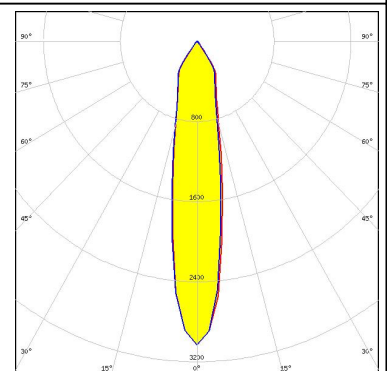
LED WU-M-461
 FWHM 17.0°
 Efficiency 83 %
 Peak intensity 3.450 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



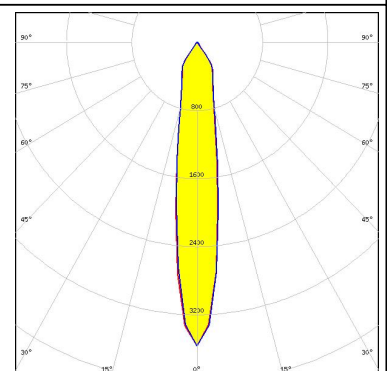
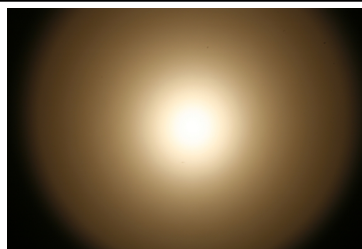
LED WU-M-462
 FWHM 20.0°
 Efficiency 85 %
 Peak intensity 3.000 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-464
 FWHM 20.0°
 Efficiency 85 %
 Peak intensity 3.000 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-484
 FWHM 17.0°
 Efficiency 85 %
 Peak intensity 3.600 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



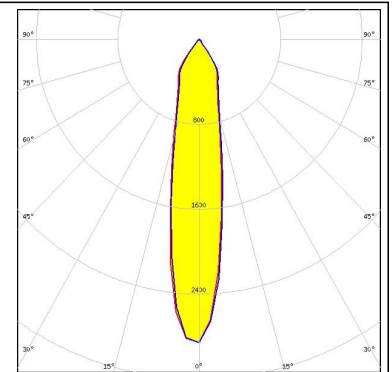
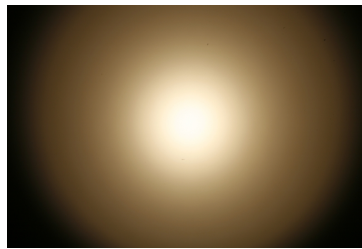
PHOTOMETRIC DATA (MEASURED):



LED WU-M-485
FWHM 20.0°
Efficiency 85 %
Peak intensity 2.890 cd/lm

Required components:

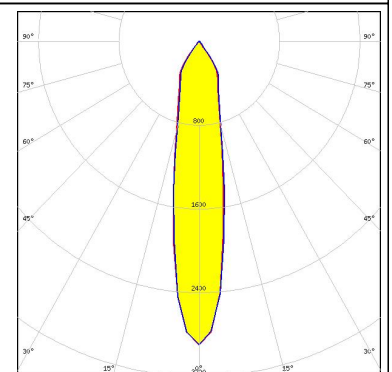
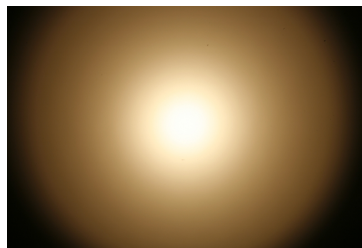
TE: OPTIC CLIP Z50 TYPE1 2213194-1




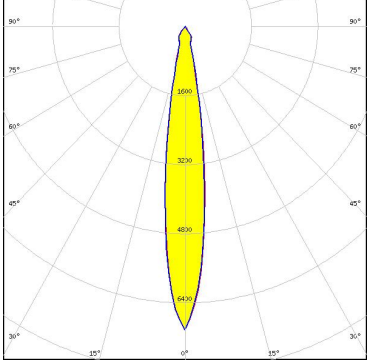

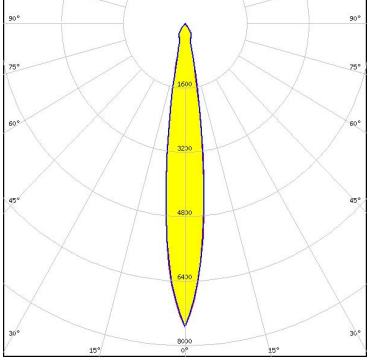

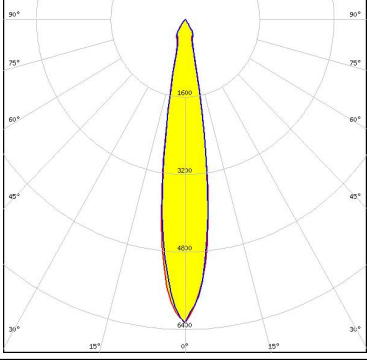

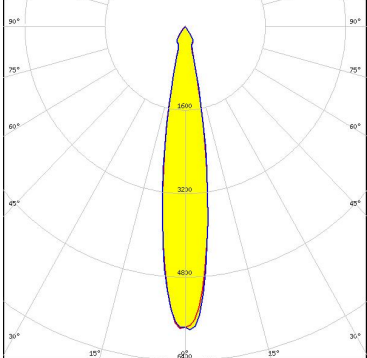
LED WU-M-486
FWHM 20.0°
Efficiency 84 %
Peak intensity 2.900 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

<p></p> <p>LED V10 Gen7 FWHM 15.0° Efficiency 90 % Peak intensity 7.030 cd/lm Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1</p>	
<p></p> <p>LED V13 Gen7 FWHM 14.5° Efficiency 91 % Peak intensity 7.530 cd/lm Required components: IDEAL: 50-2103CT + 50-2100AN</p>	
<p></p> <p>LED V22 Gen7 FWHM 17.0° Efficiency 93 % Peak intensity 6.339 cd/lm Required components: IDEAL: 50-2204-CT + 50-2100AN</p>	
<p></p> <p>LED CXA/B 1830 FWHM 17.0° Efficiency 88 % Peak intensity 5.900 cd/lm Required components: TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>	

PHOTOMETRIC DATA (SIMULATED):



LED CXM-14
FWHM 17.0°
Efficiency 83 %
Peak intensity 3.400 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1

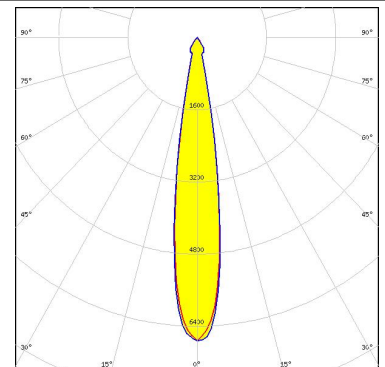


LED CXM-9
FWHM 14.0°
Efficiency 84 %
Peak intensity 4.300 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



Opto Semiconductors


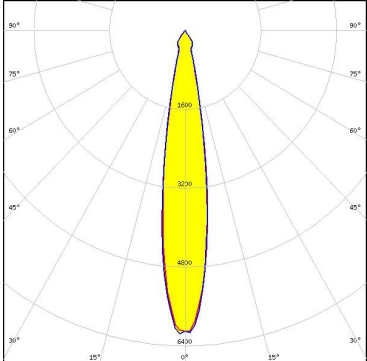
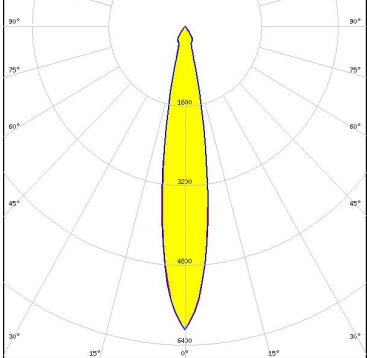
LED Soleriq S15
FWHM 16.0°
Efficiency 90 %
Peak intensity 6.750 cd/lm
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

LED ZC12/18
FWHM 17.0°
Efficiency 83 %
Peak intensity 3.400 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1

PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR	
LED	ZC4/6
FWHM	14.0°
Efficiency	84 %
Peak intensity	4.300 cd/lm
Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1	
TRIDONIC	
LED	SLE G6 LES15
FWHM	17.0°
Efficiency	89 %
Peak intensity	6.200 cd/lm
Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
	
TRIDONIC	
LED	SLE G6 LES17
FWHM	18.0°
Efficiency	91 %
Peak intensity	6.100 cd/lm
Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
	

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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