

ANGELINA-M

~30° medium beam

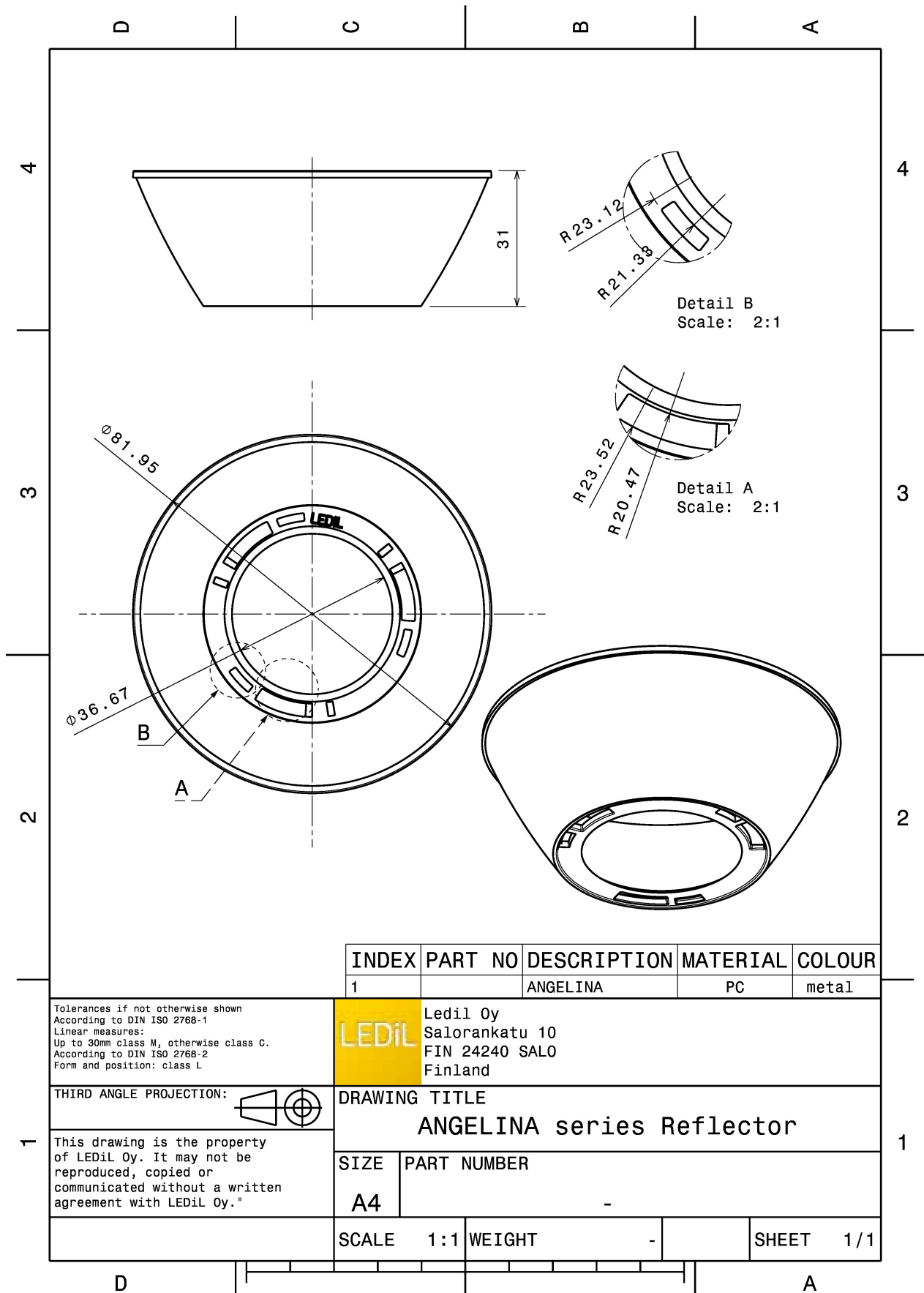
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 82 mm
Height	31 mm
Fastening	
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	11 kg
Quantity in Box	900 pcs
ROHS compliant	yes ⓘ

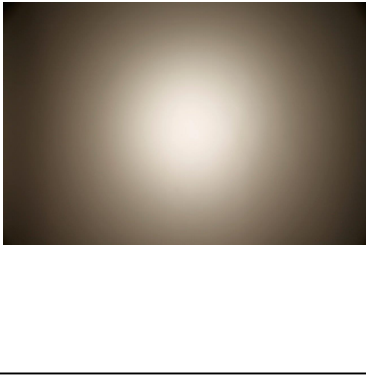
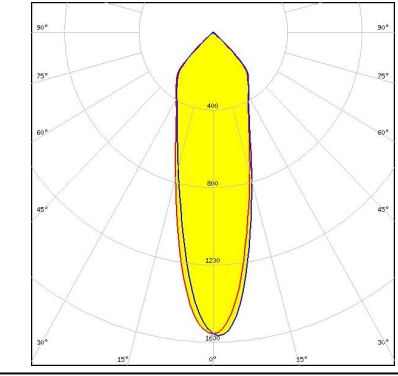
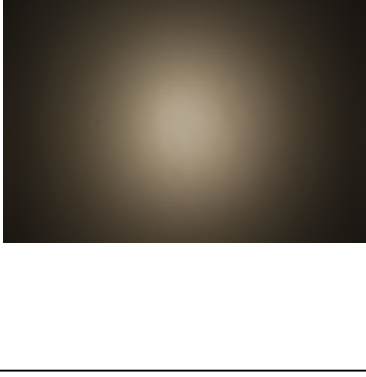
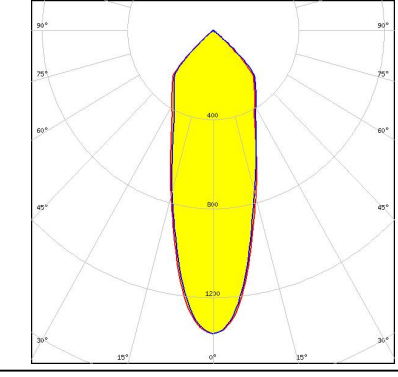
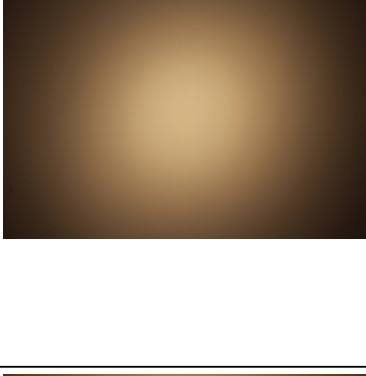
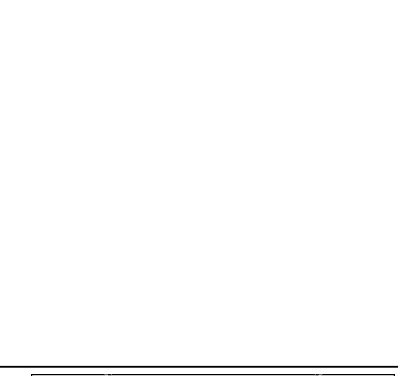
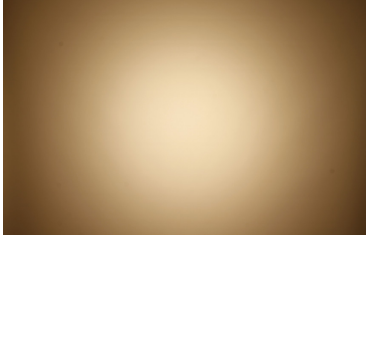
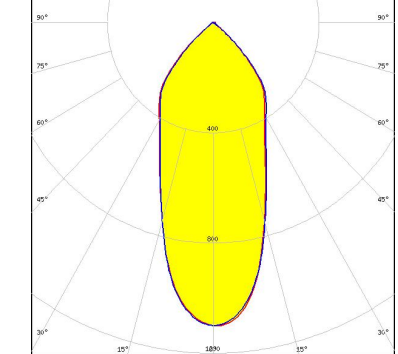


MATERIAL SPECIFICATIONS:


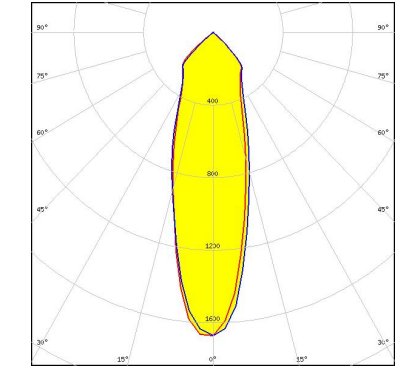
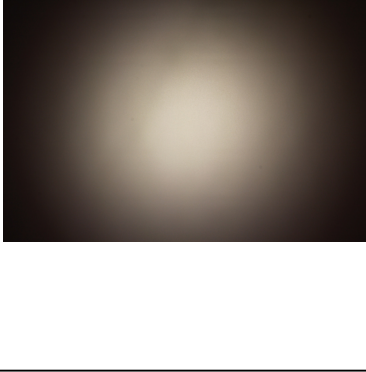
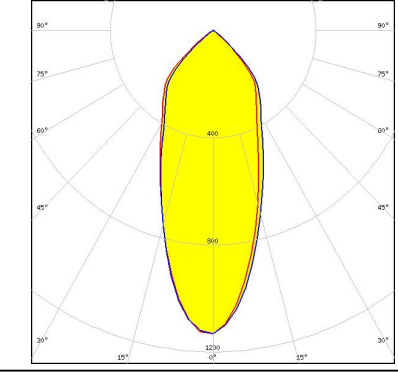
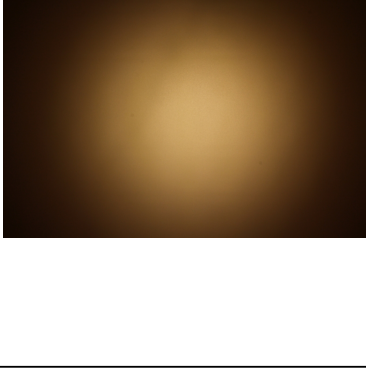
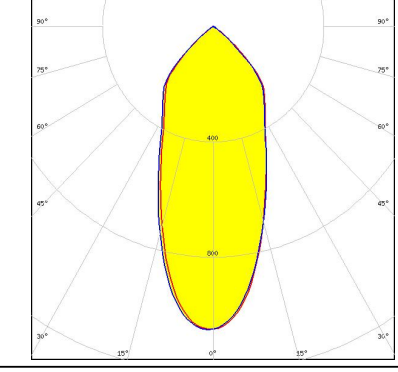
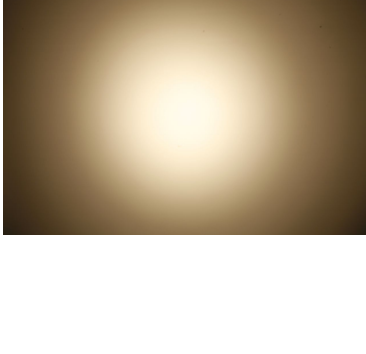
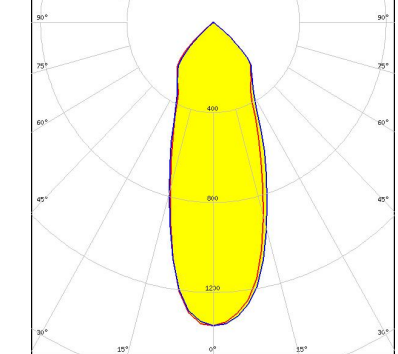
Component	Type	Material	Colour	Coating
ANGELINA-M	Reflector	PC	metal	HMDS




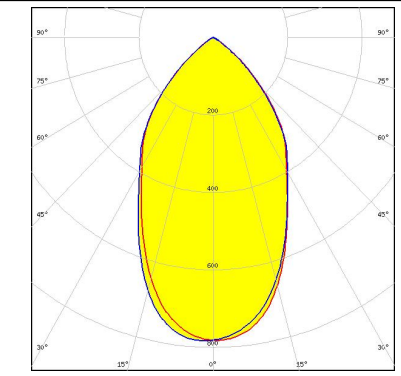
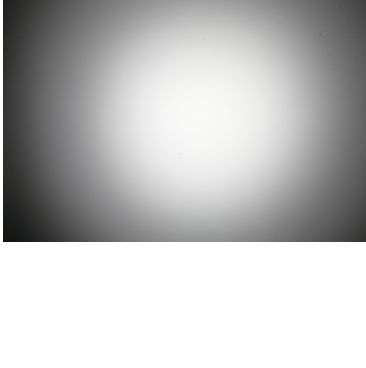
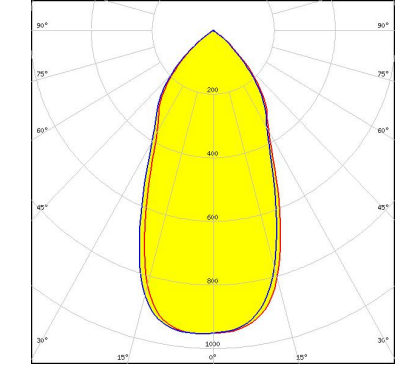

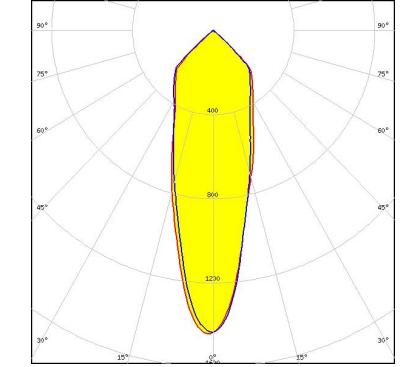
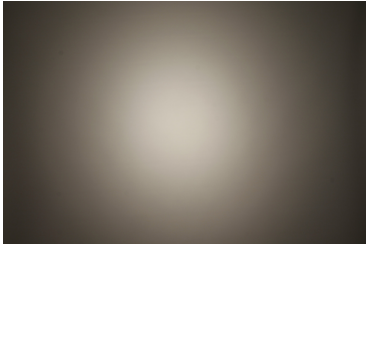
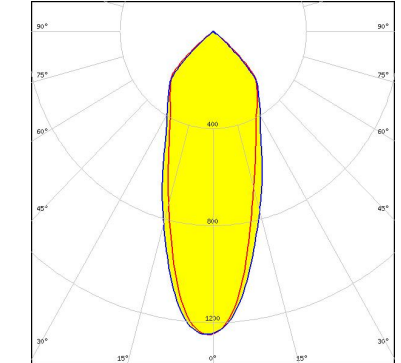
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED BXRA ES Rectangle</p> <p>FWHM 30.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.570 cd/lm</p> <p>Required components: IDEAL: 50-2100BL + 50-2100AN</p>		
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 34.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED V15 Gen6</p> <p>FWHM 37.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 456 Typ L2</p>		
<p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 43.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: IDEAL: 50-2204-CT + 50-2100AN</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 31.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.700 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 LEDiL: LEDiL</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 42.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.130 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 F13671_ANGE-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 43.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.050 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 F13671_ANGE-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 38.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 LEDiL: LEDiL</p>		

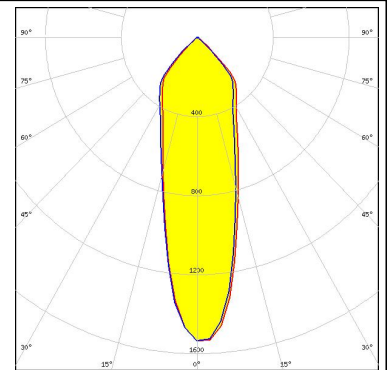
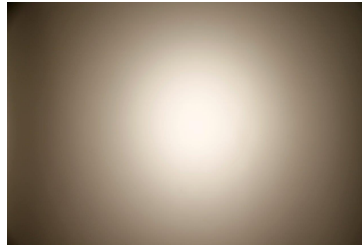
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 60.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.780 cd/lm</p> <p>Required components:</p> <p>C13584_CLAMP-VERO29</p> <p>F13671_ANGE-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 51.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components:</p> <p>C13584_CLAMP-VERO29</p> <p>LEDiL: LEDiL</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10)</p> <p>FWHM 31.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components:</p> <p>C13658_CLAMP-VERO13-18</p> <p>Bender Wirth: 434 Typ L1</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x</p> <p>FWHM 37.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components:</p> <p>C13658_CLAMP-VERO13-18</p> <p>Bender Wirth: 433 Typ L1</p>		

PHOTOMETRIC DATA (MEASURED):

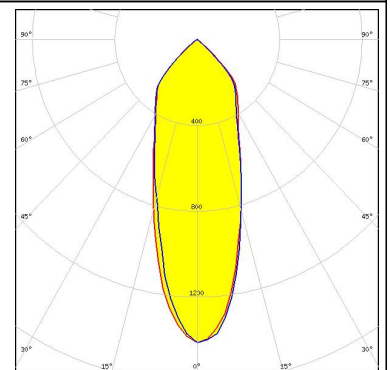
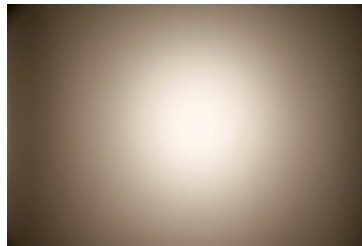
CITIZEN

LED CLL03x/CLU03x
 FWHM 30.0°
 Efficiency 92 %
 Peak intensity 1.550 cd/lm
 Required components:
 IDEAL: 50-2103CT + 50-2100AN



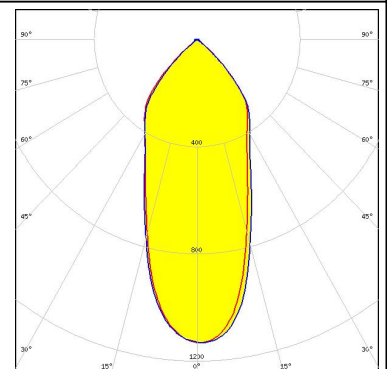
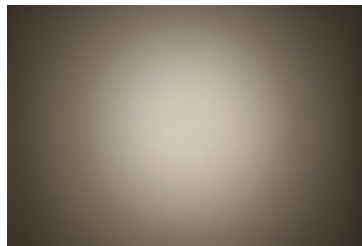
CITIZEN

LED CLL03x/CLU03x
 FWHM 35.0°
 Efficiency 94 %
 Peak intensity 1.400 cd/lm
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



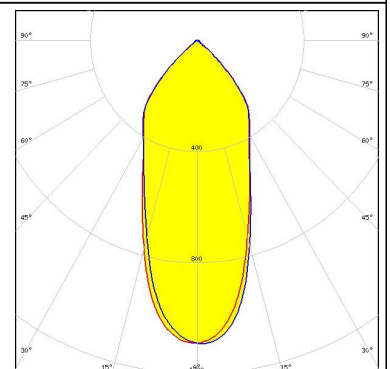
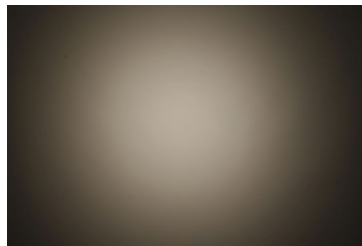
CITIZEN

LED CLL04x/CLU04x
 FWHM 42.0°
 Efficiency 92 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



CITIZEN

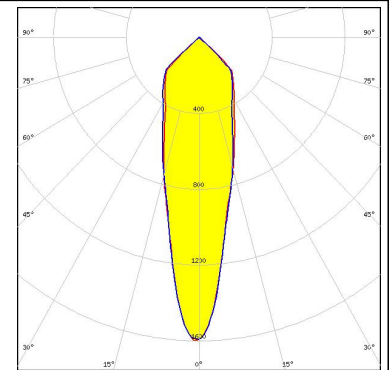
LED CLL04x/CLU04x
 FWHM 43.0°
 Efficiency 91 %
 Peak intensity 1.100 cd/lm
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

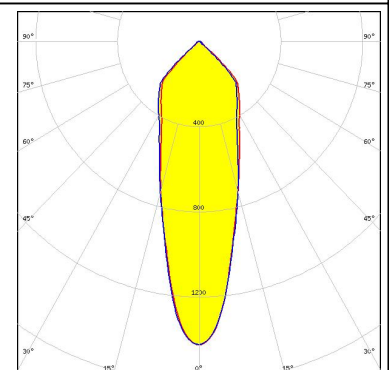
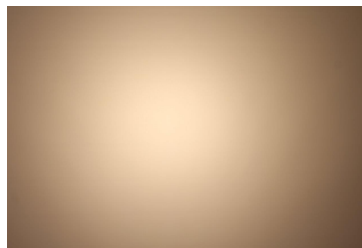
CITIZEN

LED CLU700/701
FWHM 26.0°
Efficiency 92 %
Peak intensity 1.600 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



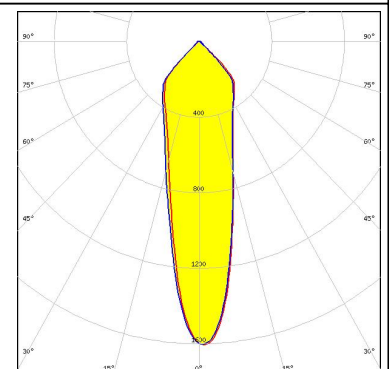
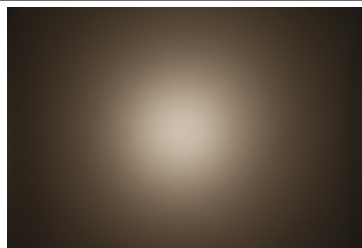
CITIZEN

LED CLU720/721
FWHM 31.0°
Efficiency 94 %
Peak intensity 1.400 cd/lm
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



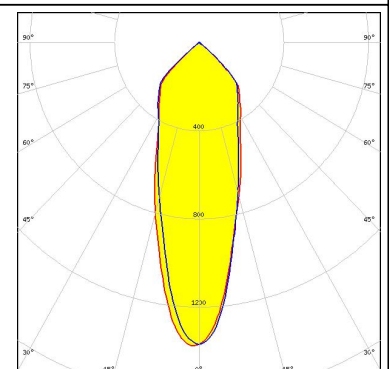
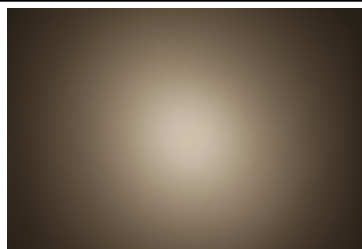
CITIZEN

LED CLU720/721
FWHM 26.0°
Efficiency 93 %
Peak intensity 1.600 cd/lm
Required components:
IDEAL: 50-2103CT + 50-2100AN



CITIZEN

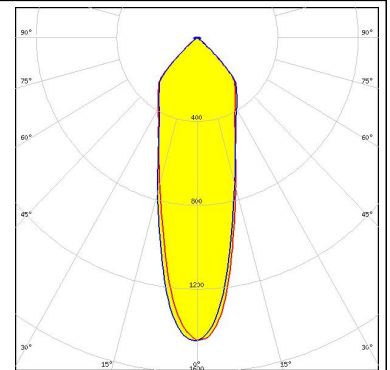
LED CLU720/721
FWHM 33.0°
Efficiency 91 %
Peak intensity 1.400 cd/lm
Required components:
C13658_CLAMP-VERO13-18



PHOTOMETRIC DATA (MEASURED):

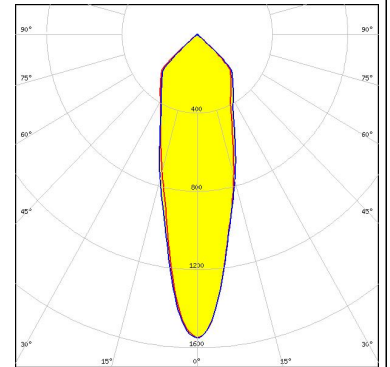
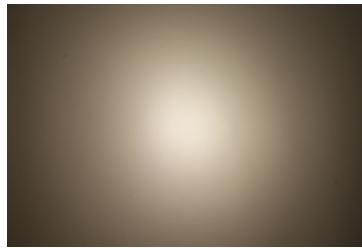
CITIZEN

LED CLU730/731
 FWHM 31.0°
 Efficiency 91 %
 Peak intensity 1.400 cd/lm
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



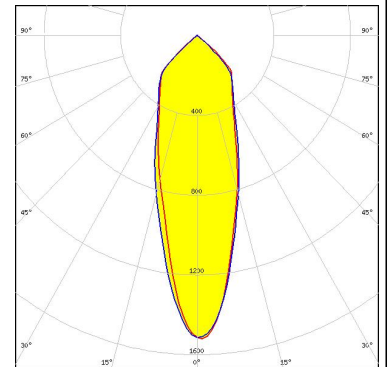
CREE

LED CXA/B 15xx
 FWHM 28.0°
 Efficiency 92 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 441 Typ L1



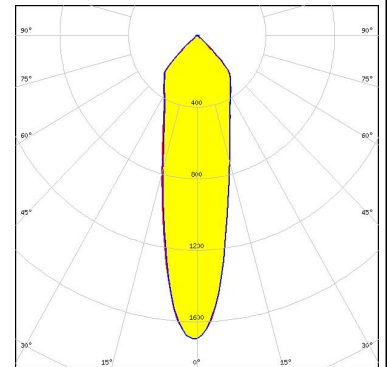
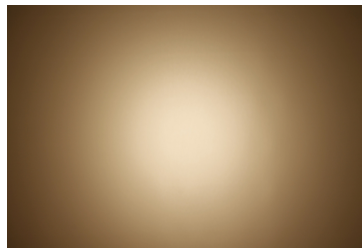
CREE

LED CXA/B 15xx
 FWHM 33.0°
 Efficiency 94 %
 Peak intensity 1.500 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 LEDiL: LEDiL



CREE

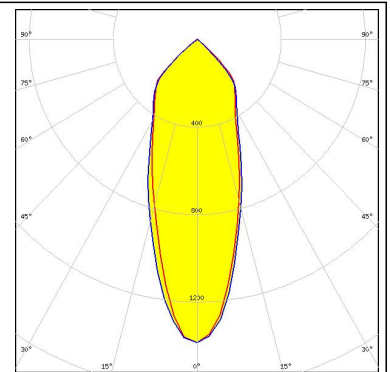
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 26.0°
 Efficiency 93 %
 Peak intensity 1.700 cd/lm
 Required components:
 IDEAL: 50-2101CR + 50-2100AN



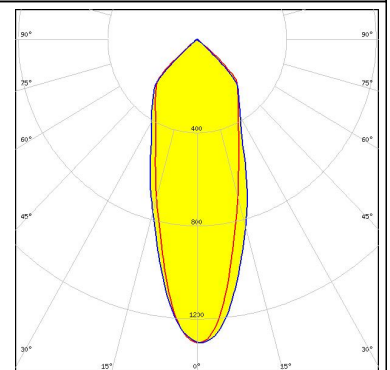
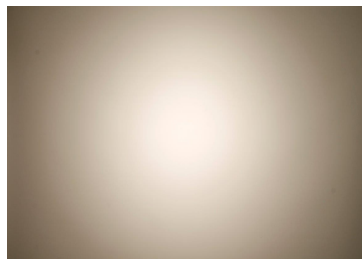
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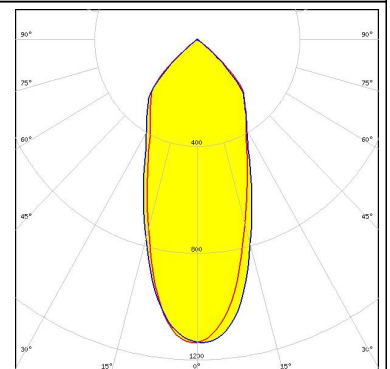
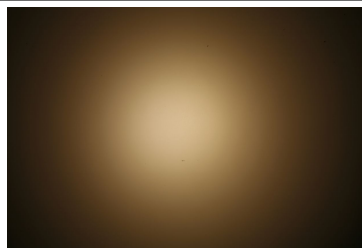
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 37.0°
 Efficiency 94 %
 Peak intensity 1.400 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18
 LEDiL: LEDiL



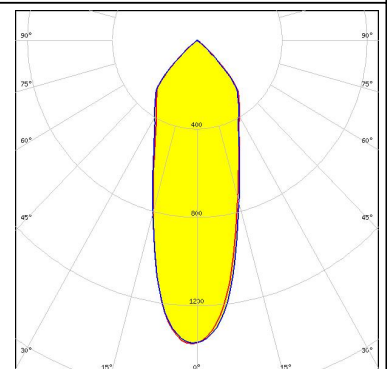
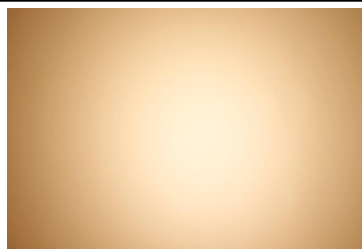
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 36.0°
 Efficiency 91 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1



LED CXA/B 25xx
 FWHM 42.0°
 Efficiency 92 %
 Peak intensity 1.100 cd/lm
 Required components:
 C14036_CLAMP-CXA25-30
 LEDiL: LEDiL



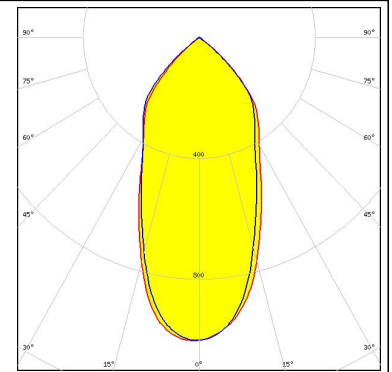
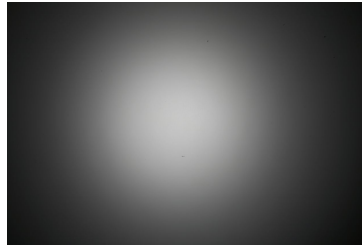
LED CXA/B 25xx
 FWHM 34.0°
 Efficiency 93 %
 Peak intensity 1.370 cd/lm
 Required components:
 IDEAL: 50-2102CR + 50-2100AN



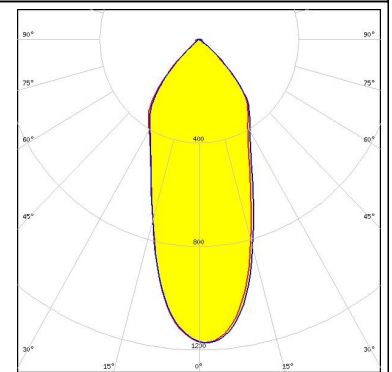
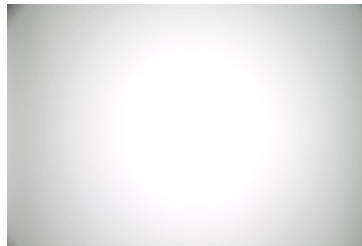
PHOTOMETRIC DATA (MEASURED):



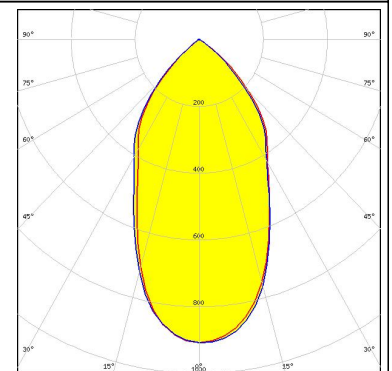
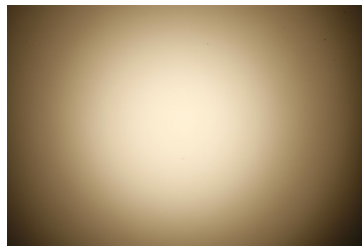
LED CXA/B 30xx
 FWHM 48.0°
 Efficiency 91 %
 Peak intensity 1.000 cd/lm
 Required components:
 C14036_CLAMP-CXA25-30



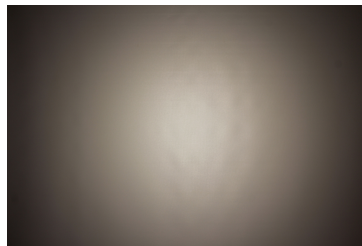
LED CXA/B 30xx
 FWHM 40.0°
 Efficiency 93 %
 Peak intensity 1.180 cd/lm
 Required components:
 IDEAL: 50-2234C + 50-2100AN



LED CXA/B 3590
 FWHM 54.0°
 Efficiency 92 %
 Peak intensity 0.910 cd/lm
 Required components:
 IDEAL: 50-2303CR + 50-2300AN



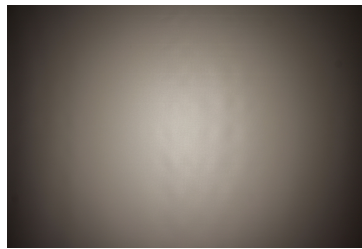
LED CHI3030 19W
 FWHM 43.0°
 Efficiency 87 %
 Peak intensity 1.000 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 468 Typ L3



PHOTOMETRIC DATA (MEASURED):

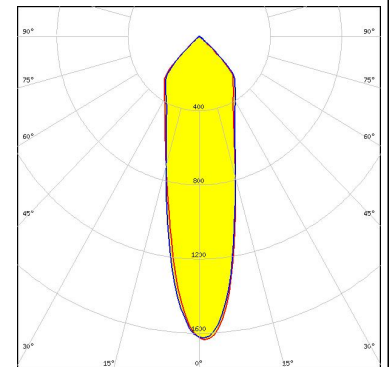
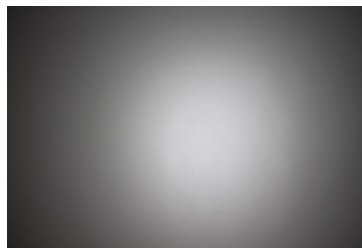
EVERLIGHT

LED CHI3030 29W
FWHM 52.0°
Efficiency 87 %
Peak intensity 1.000 cd/lm
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 468 Typ L3



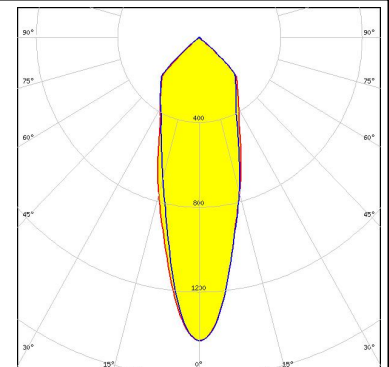
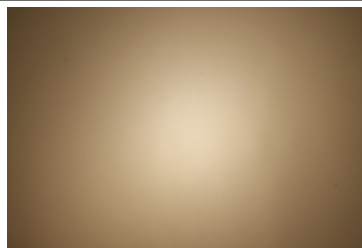
LG Innotek

LED COB 10W/13W/17W/24W
FWHM 28.0°
Efficiency 92 %
Peak intensity 1.640 cd/lm
Required components:
IDEAL: 50-2100LG + 50-2100AN



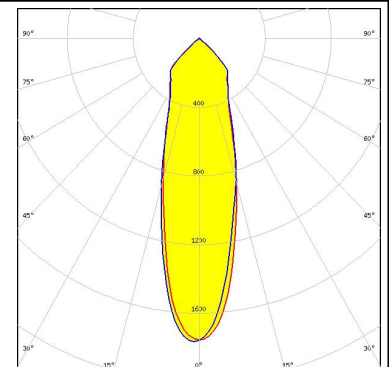
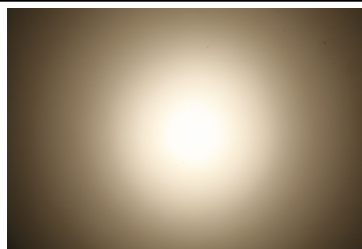
LUMILEDS

LED LUXEON CoB 1202/1203
FWHM 32.0°
Efficiency 92 %
Peak intensity 1.400 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 438 Typ L1

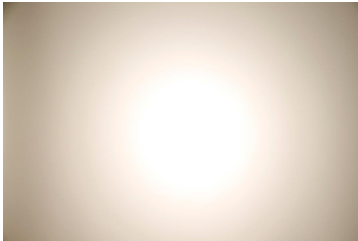
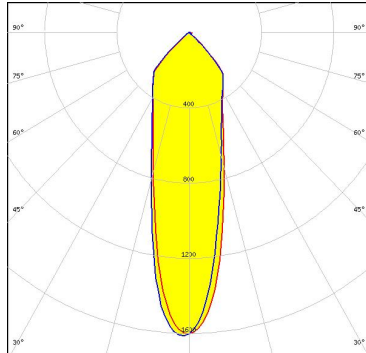
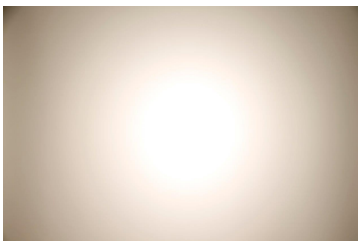
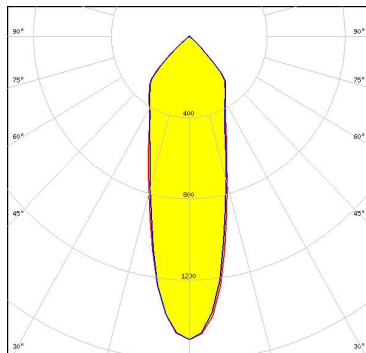

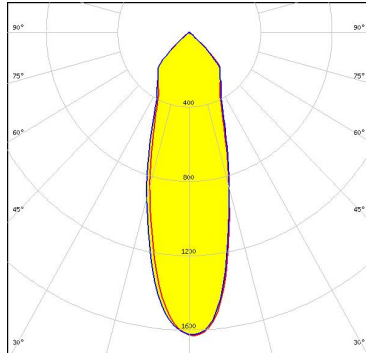

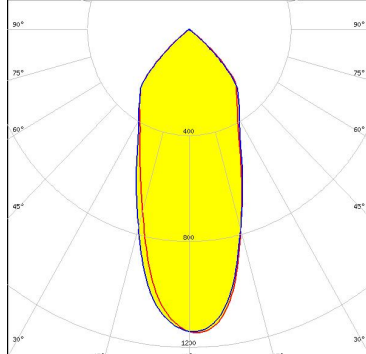


LUMILEDS

LED LUXEON CoB 1204/1205
FWHM 30.0°
Efficiency 94 %
Peak intensity 1.800 cd/lm
Required components:
TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



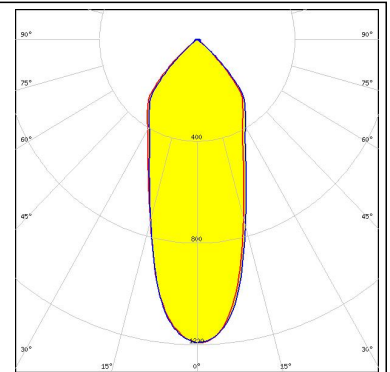
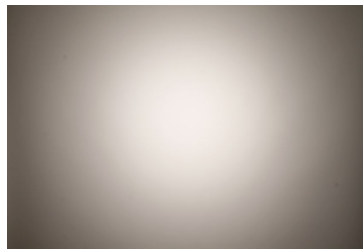
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1204/1205</p> <p>FWHM 28.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.610 cd/lm</p> <p>Required components: IDEAL: 50-2100SH + 50-2100AN</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1208</p> <p>FWHM 31.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components: IDEAL: 50-2100SH + 50-2100AN</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1208</p> <p>FWHM 32.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.600 cd/lm</p> <p>Required components: TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1211</p> <p>FWHM 42.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: C13584_CLAMP-VERO29 Bender Wirth: 431 Typ L3</p>		

PHOTOMETRIC DATA (MEASURED):

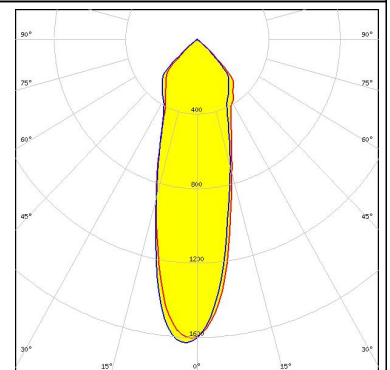
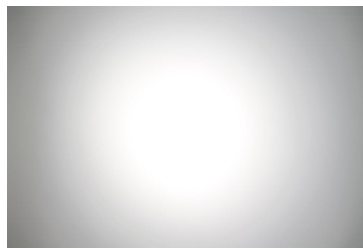
LUMILEDS

LED LUXEON CoB 1211
 FWHM 39.0°
 Efficiency 91 %
 Peak intensity 1.200 cd/lm
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



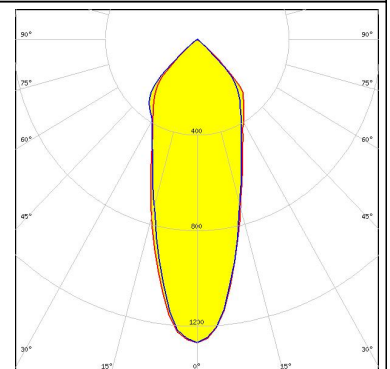
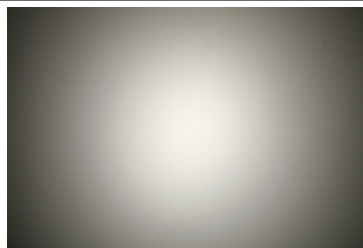
LUMILEDS

LED LUXEON K12
 FWHM 29.0°
 Efficiency 94 %
 Peak intensity 1.600 cd/lm
 Required components:
 TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1



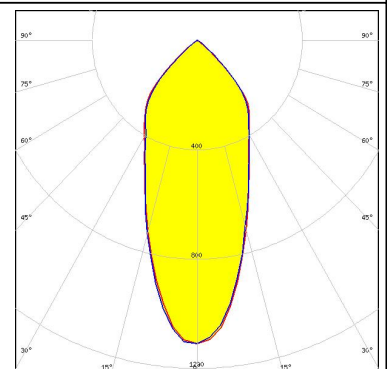
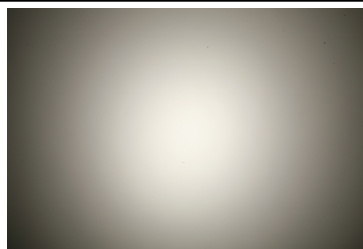
LUMILEDS

LED LUXEON K12
 FWHM 37.0°
 Efficiency 89 %
 Peak intensity 1.300 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LUMILEDS

LED LUXEON K16
 FWHM 43.0°
 Efficiency 89 %
 Peak intensity 1.100 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON K16

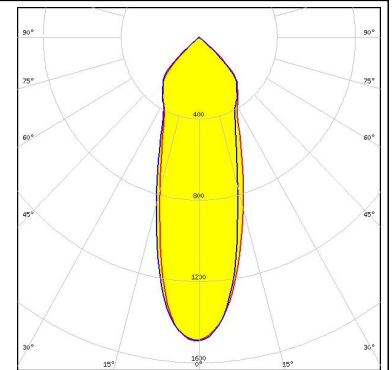
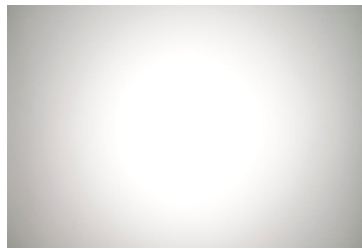
FWHM 32.0°

Efficiency 94 %

Peak intensity 1.500 cd/lm

Required components:

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



LUMILEDS

LED LUXEON S2000

FWHM 25.0°

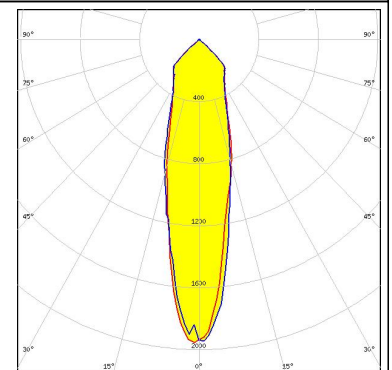
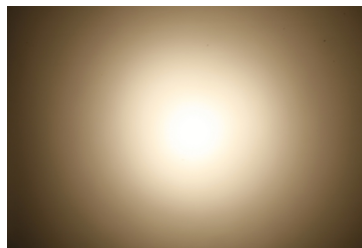
Efficiency 92 %

Peak intensity 2.000 cd/lm

Required components:

C13395_CLAMP-S2000

LEDiL: LEDiL



LUMILEDS

LED LUXEON S3000

FWHM 28.0°

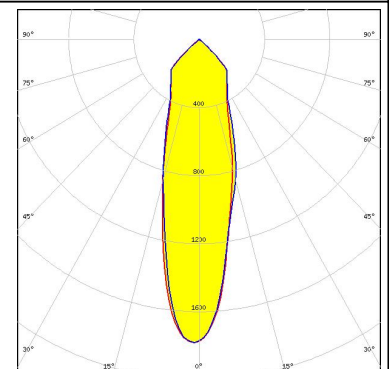
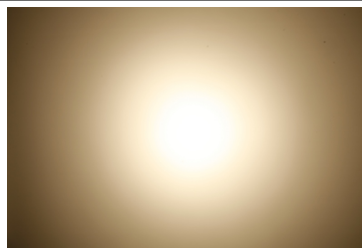
Efficiency 92 %

Peak intensity 1.800 cd/lm

Required components:

C13397_CLAMP-S3000

LEDiL: LEDiL



LUMILEDS

LED LUXEON S5000

FWHM 33.0°

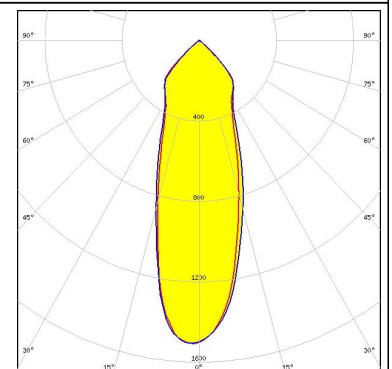
Efficiency 92 %

Peak intensity 1.500 cd/lm

Required components:

C13399_CLAMP-S5000

LEDiL: LEDiL



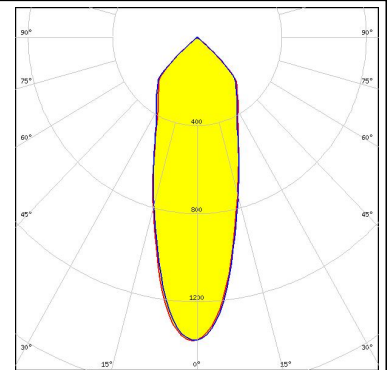
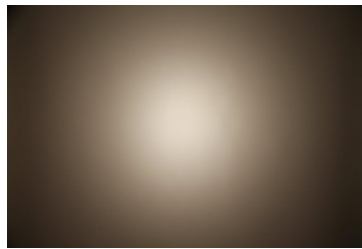
PHOTOMETRIC DATA (MEASURED):



LED CXM-14
 FWHM 34.0°
 Efficiency 93 %
 Peak intensity 1.380 cd/lm

Required components:

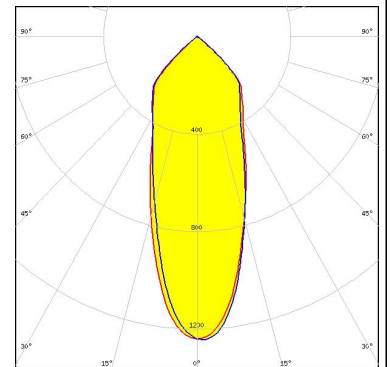
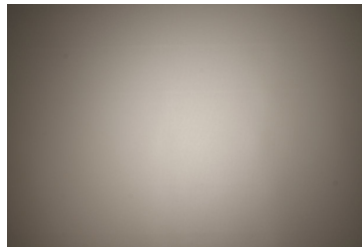
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED COB J-Type
 FWHM 38.0°
 Efficiency 92 %
 Peak intensity 1.200 cd/lm

Required components:

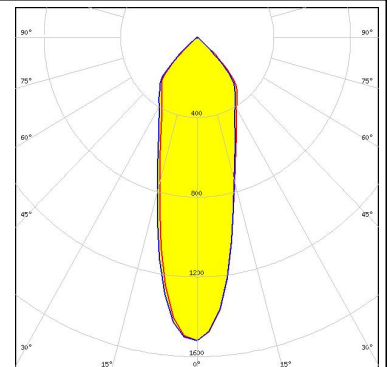
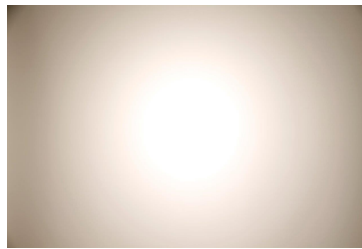
C13658_CLAMP-VERO13-18
 Bender Wirth: 463 Typ L2



LED COB J-Type
 FWHM 31.0°
 Efficiency 94 %
 Peak intensity 1.520 cd/lm

Required components:

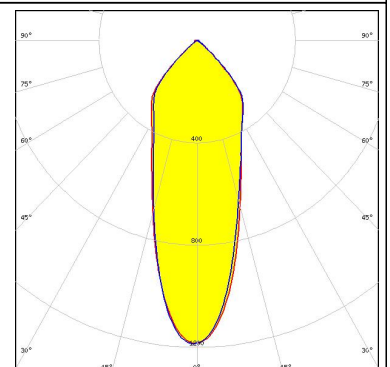
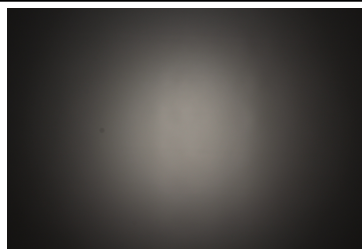
IDEAL: 50-2103NC + 50-2100AN



LED COB J-Type
 FWHM 36.0°
 Efficiency 87 %
 Peak intensity 1.200 cd/lm

Required components:

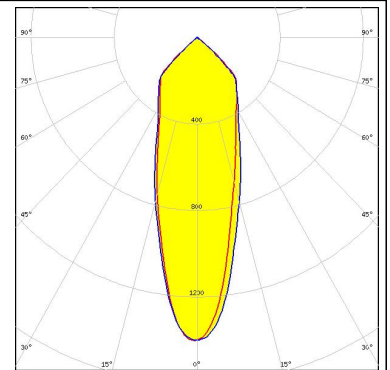
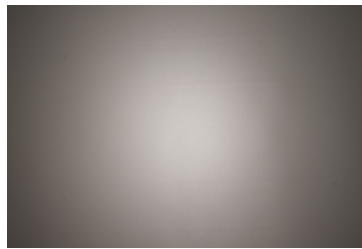
F13671_ANGE-RZ-LENS
 IDEAL: 50-2103NC + 50-2100AN



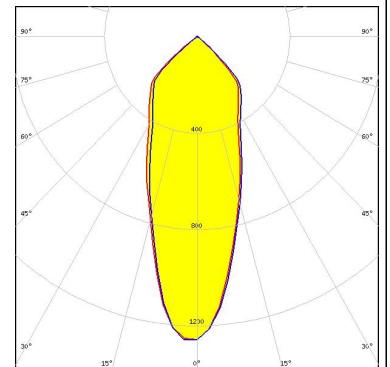
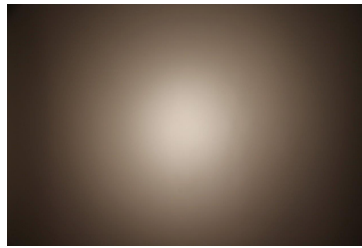
PHOTOMETRIC DATA (MEASURED):



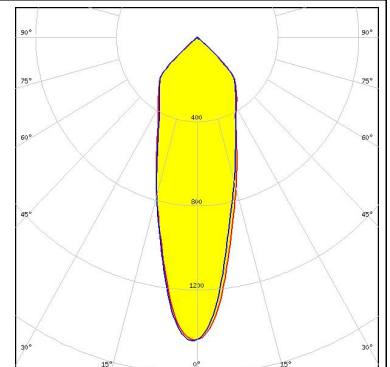
LED COB L-Type (LES 11)
 FWHM 32.0°
 Efficiency 92 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 438 Typ L1



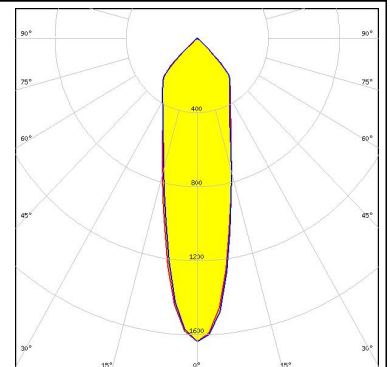
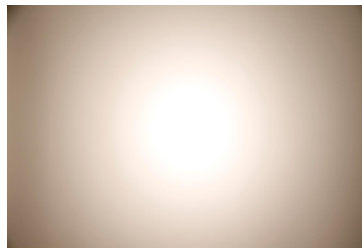
LED COB L-Type (LES 11)
 FWHM 37.0°
 Efficiency 94 %
 Peak intensity 1.270 cd/lm
 Required components:
 Molex: 180580-0005



LED COB L-Type (LES 11)
 FWHM 31.0°
 Efficiency 91 %
 Peak intensity 1.440 cd/lm
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



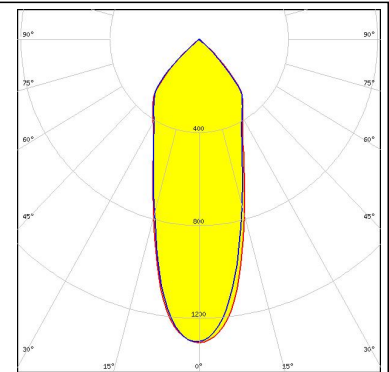
LED COB L-Type (LES 11)
 FWHM 27.0°
 Efficiency 91 %
 Peak intensity 1.640 cd/lm
 Required components:
 IDEAL: 50-2100NC + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

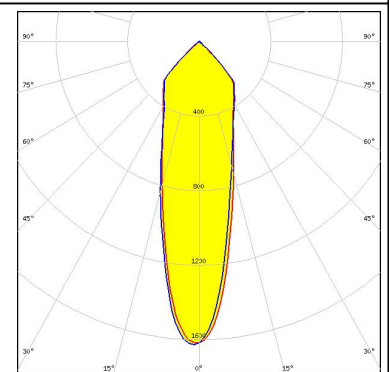
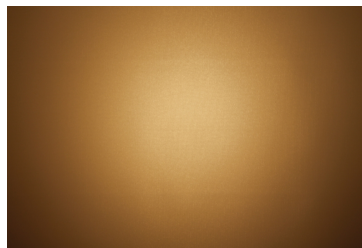
OSRAM

LED PrevaLED Core AC (LEP-2000)
FWHM 36.0°
Efficiency 93 %
Peak intensity 1.310 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



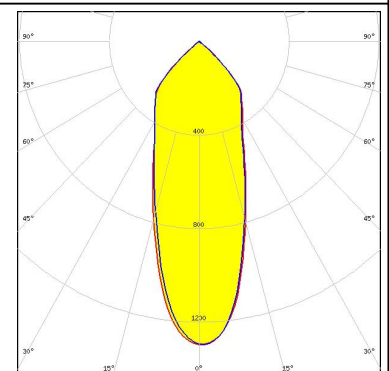
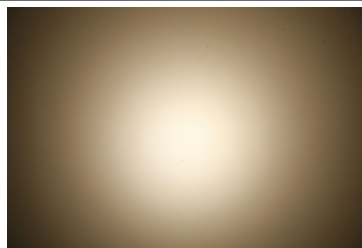
OSRAM

LED PrevaLED Core AC (LEP-800)
FWHM 28.0°
Efficiency 93 %
Peak intensity 1.630 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



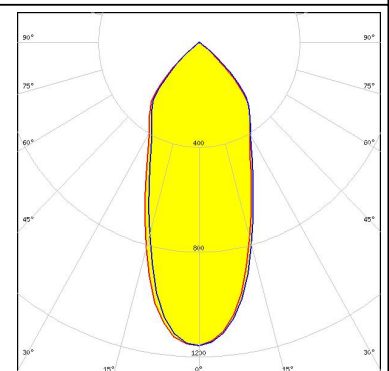
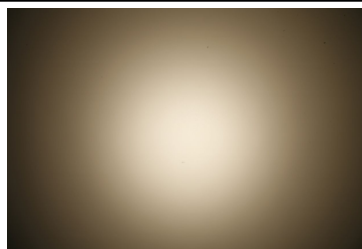
OSRAM

LED PrevaLED Core Z3 LES19
FWHM 37.0°
Efficiency 93 %
Peak intensity 1.300 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

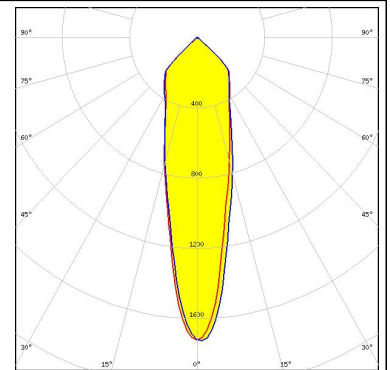
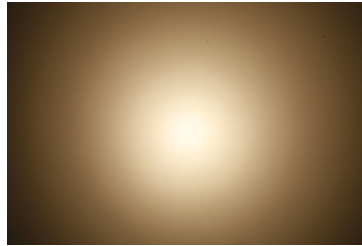
LED PrevaLED Core Z3 LES23
FWHM 43.0°
Efficiency 94 %
Peak intensity 1.160 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

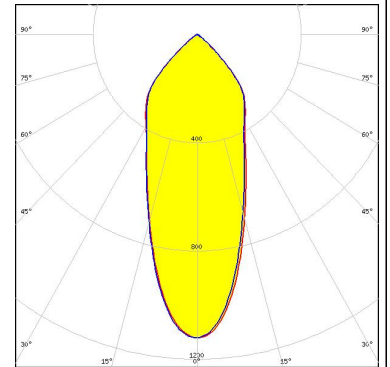
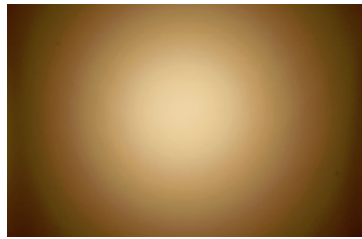
OSRAM

LED PrevaLED Core Z3 LES9
 FWHM 26.0°
 Efficiency 93 %
 Peak intensity 1.730 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



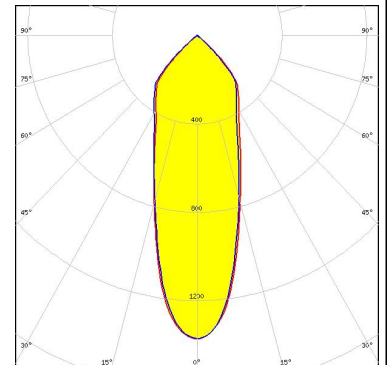
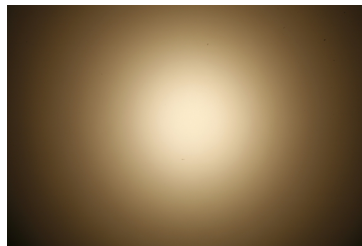
OSRAM

LED PrevaLED Core Z4 LES19
 FWHM 40.0°
 Efficiency 88 %
 Peak intensity 1.100 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



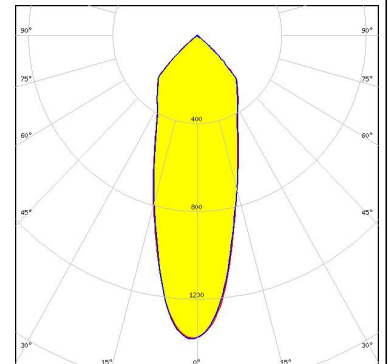
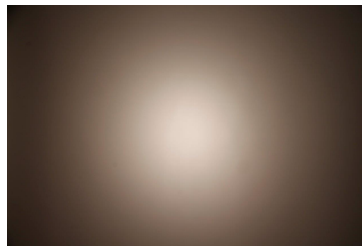
OSRAM

LED PrevaLED Core Z4 LES19
 FWHM 34.0°
 Efficiency 93 %
 Peak intensity 1.400 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM Opto Semiconductors

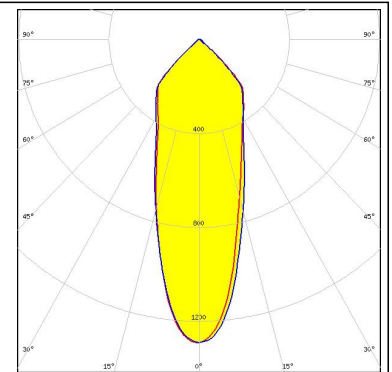
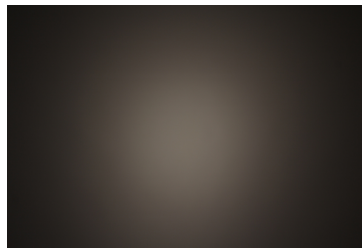
LED Soleriq P13
 FWHM 33.0°
 Efficiency 93 %
 Peak intensity 1.380 cd/lm
 Required components:
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

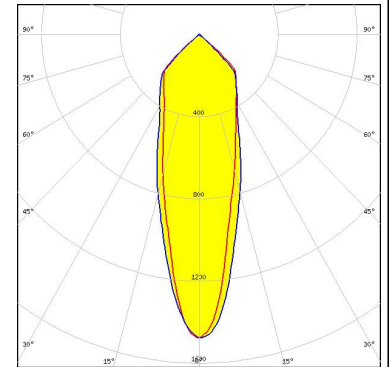
OSRAM
Opto Semiconductors

LED Soleriq P13
 FWHM 35.0°
 Efficiency 94 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1



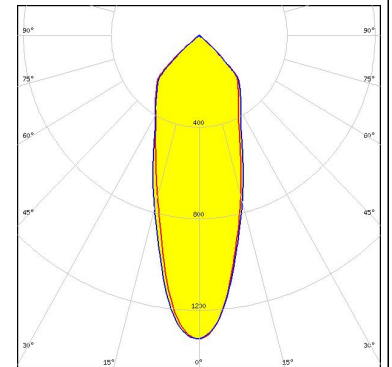
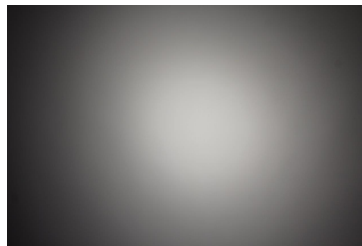
OSRAM
Opto Semiconductors

LED Soleriq P9
 FWHM 31.0°
 Efficiency 92 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 461 Typ L1



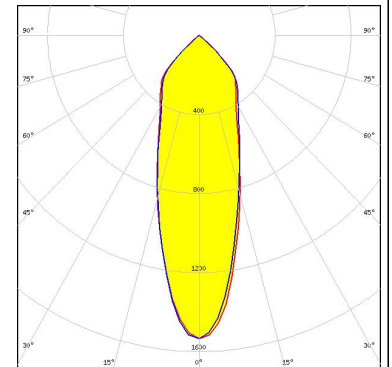
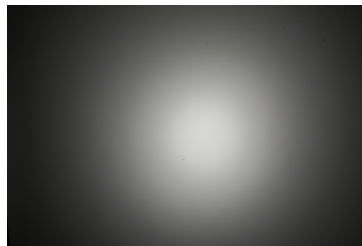
OSRAM
Opto Semiconductors

LED Soleriq S13
 FWHM 34.0°
 Efficiency 92 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 437 Typ L1

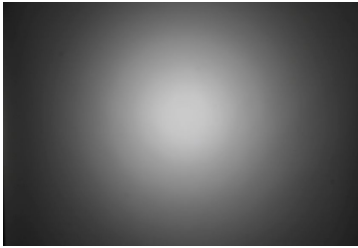
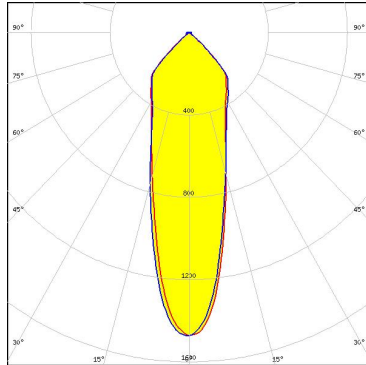
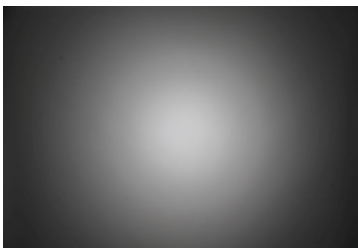
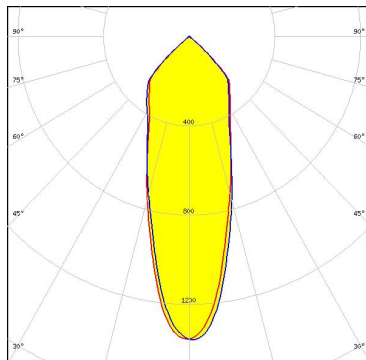
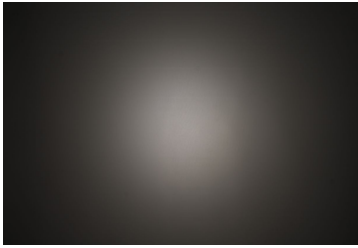
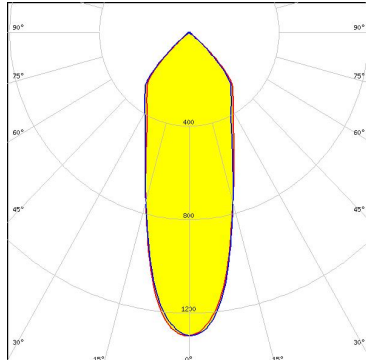
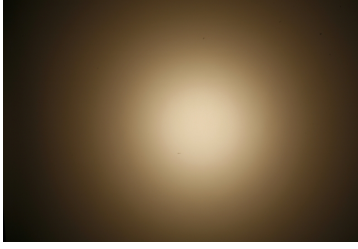
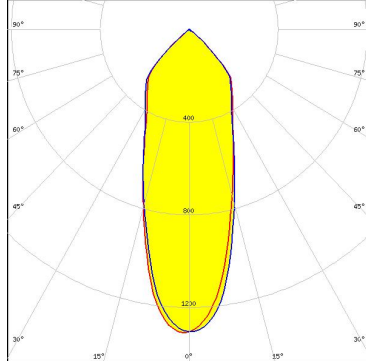


OSRAM
Opto Semiconductors

LED Soleriq S13
 FWHM 34.0°
 Efficiency 94 %
 Peak intensity 1.500 cd/lm
 Required components:
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



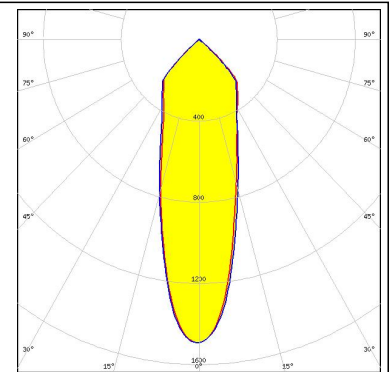
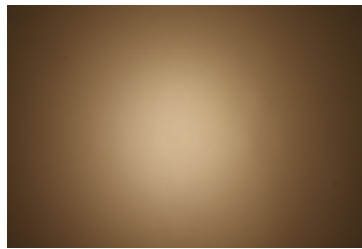
PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 Gen2 FWHM 30.0° Efficiency 91 % Peak intensity 1.500 cd/lm Required components: IDEAL: 50-2103CT + 50-2100AN</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 Gen2 FWHM 34.0° Efficiency 93 % Peak intensity 1.400 cd/lm Required components: TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S19 FWHM 35.0° Efficiency 91 % Peak intensity 1.300 cd/lm Required components: C13584_CLAMP-VERO29 Bender Wirth: 462 Typ L3</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S19 FWHM 37.0° Efficiency 93 % Peak intensity 1.310 cd/lm Required components: TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		

PHOTOMETRIC DATA (MEASURED):

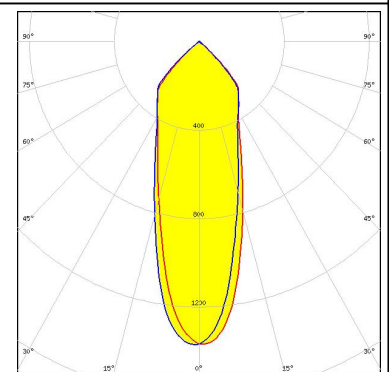
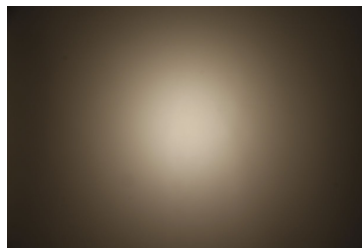
PHILIPS

LED Fortimo LED SLM L13 G4 standard
FWHM 31.0°
Efficiency 93 %
Peak intensity 1.500 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



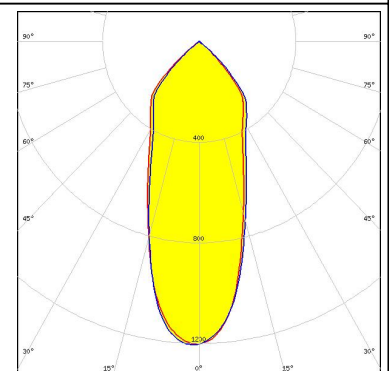
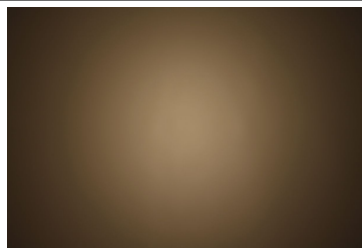
PHILIPS

LED Fortimo LED SLM L15 G4 standard
FWHM 34.0°
Efficiency 92 %
Peak intensity 1.400 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



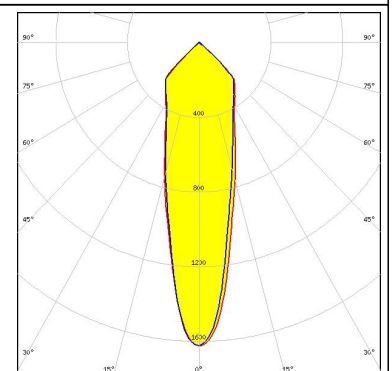
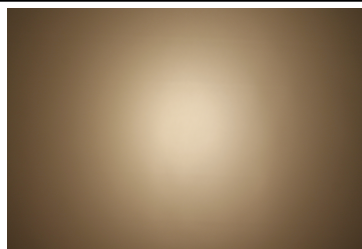
PHILIPS

LED Fortimo LED SLM L19 G4 standard
FWHM 39.0°
Efficiency 91 %
Peak intensity 1.200 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

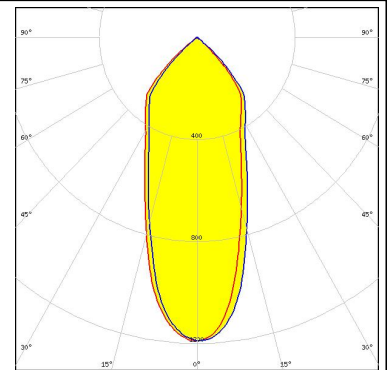
LED Fortimo LED SLM L9 G4 standard
FWHM 27.0°
Efficiency 92 %
Peak intensity 1.600 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

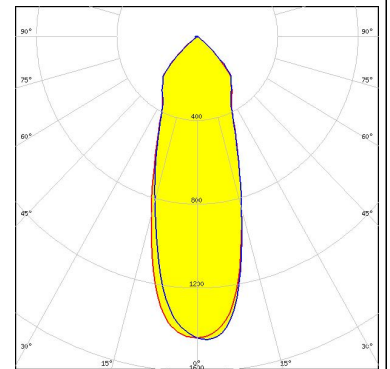
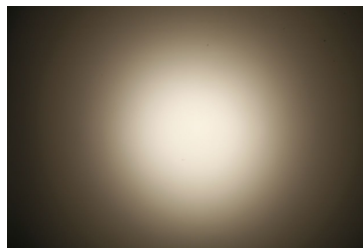
PHILIPS

LED Fortimo SLM 1211 L19 G6 Standard
 FWHM 39.0°
 Efficiency 91 %
 Peak intensity 1.200 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



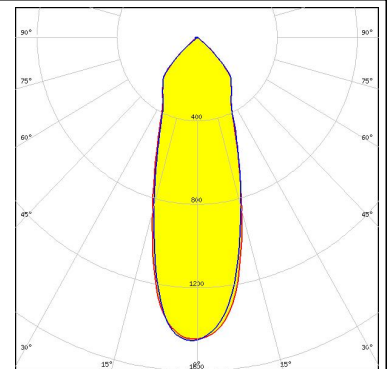
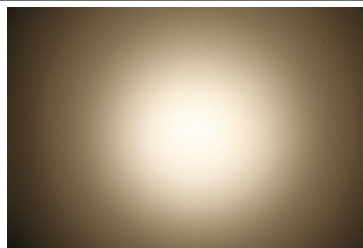
PHILIPS

LED Fortimo SLM 2000 G3
 FWHM 35.0°
 Efficiency 90 %
 Peak intensity 1.500 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



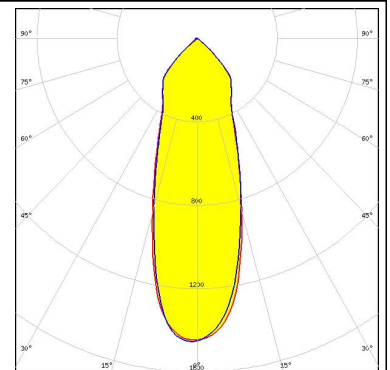
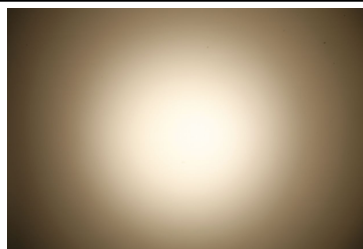
PHILIPS

LED Fortimo SLM 3000 G3
 FWHM 35.0°
 Efficiency 90 %
 Peak intensity 1.500 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

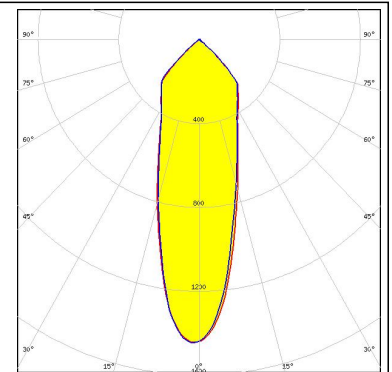
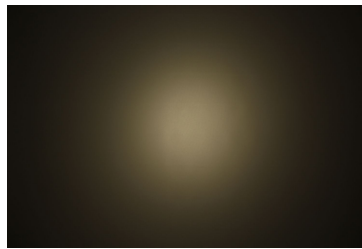
LED Fortimo SLM 4500 G3
 FWHM 39.0°
 Efficiency 89 %
 Peak intensity 1.300 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

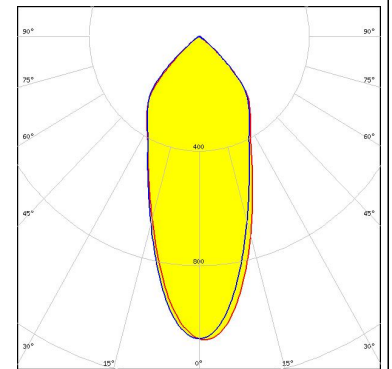
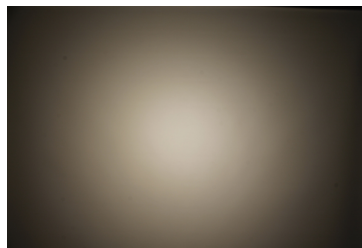
PHILIPS

LED Fortimo SLM G5 LES 13 Standard
FWHM 32.0°
Efficiency 91 %
Peak intensity 1.450 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



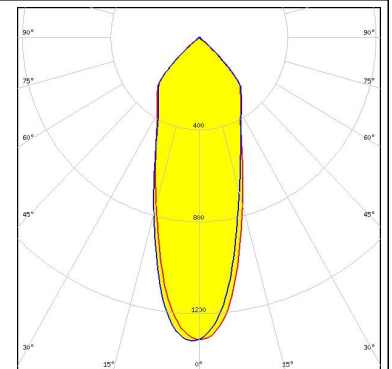
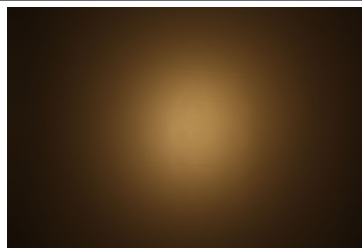
PHILIPS

LED Fortimo SLM G5 LES 15 Standard
FWHM 41.0°
Efficiency 86 %
Peak intensity 1.000 cd/lm
Required components:
F13671_ANGE-RZ-LENS
TE: OPTIC CLIP Z50 TYPE1 2213194-1



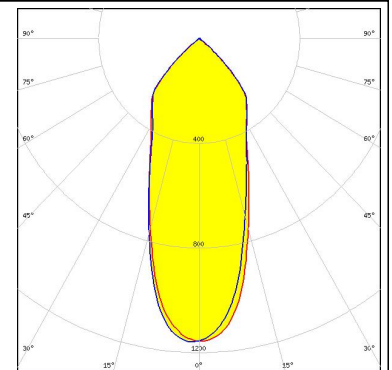
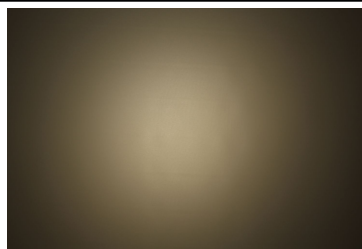
PHILIPS

LED Fortimo SLM G5 LES 15 Standard
FWHM 35.0°
Efficiency 90 %
Peak intensity 1.300 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

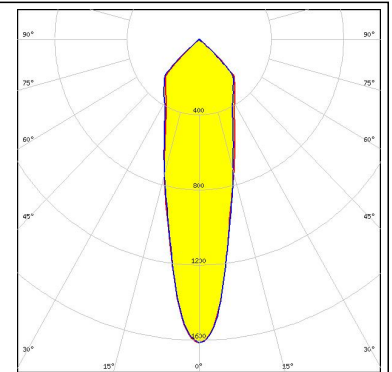
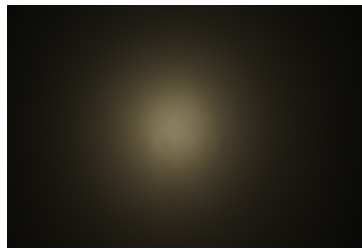
LED Fortimo SLM G5 LES 19 Standard
FWHM 40.0°
Efficiency 89 %
Peak intensity 1.160 cd/lm
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

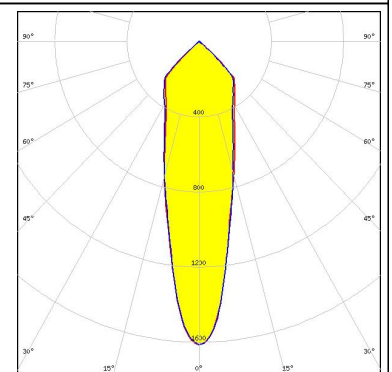
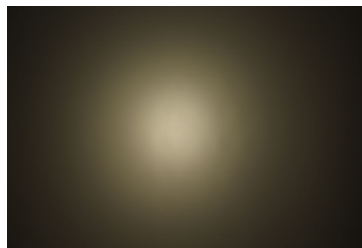
PHILIPS

LED Fortimo SLM G5 LES 9 Standard
 FWHM 27.0°
 Efficiency 92 %
 Peak intensity 1.600 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



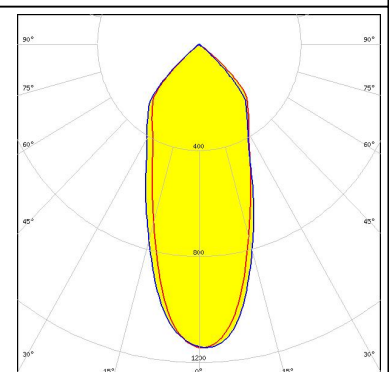
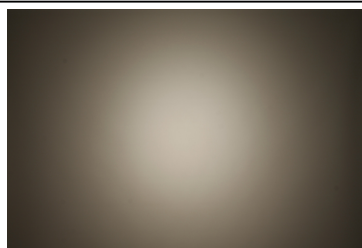
PHILIPS

LED Fortimo SLM G5 LES 9 Standard
 FWHM 27.0°
 Efficiency 92 %
 Peak intensity 1.600 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



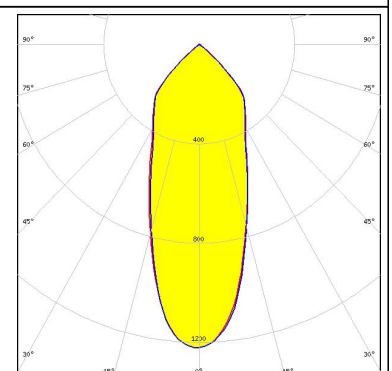
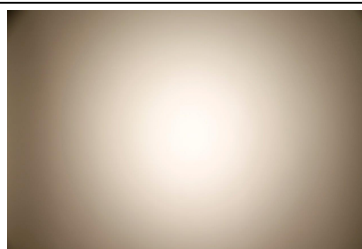
SAMSUNG

LED LC026B / 033B / 040B
 FWHM 41.0°
 Efficiency 92 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 450 Typ L2



SAMSUNG

LED LC026B / 033B / 040B
 FWHM 39.0°
 Efficiency 93 %
 Peak intensity 1.200 cd/lm
 Required components:
 TE: 2213258-2 + OPTIC CLIP Z50 TYPE1 2213194-1

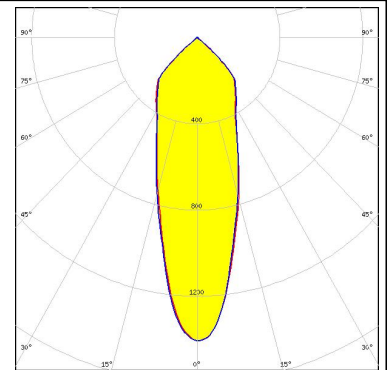


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LC040C
 FWHM 32.0°
 Efficiency 91 %
 Peak intensity 1.400 cd/lm
 Required components:

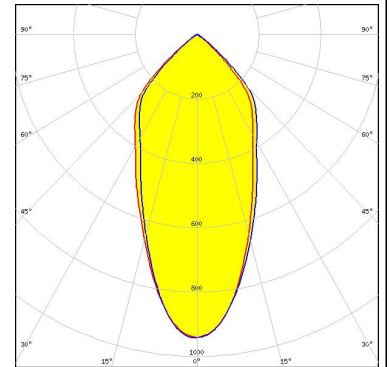
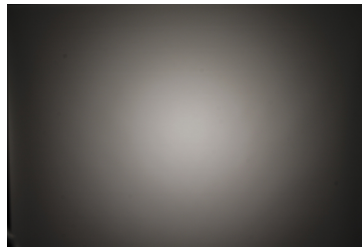
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

LED AC Zhaga COB
 FWHM 47.0°
 Efficiency 88 %
 Peak intensity 0.940 cd/lm
 Required components:

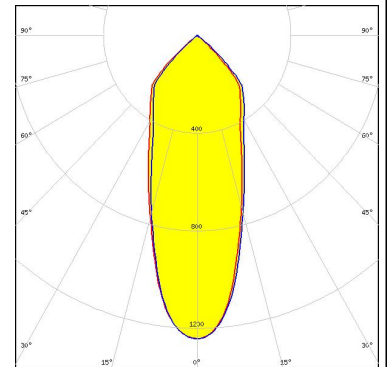
F13671_ANGE-RZ-LENS
 Optosource: SEHSMJD-A



SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM 38.0°
 Efficiency 92 %
 Peak intensity 1.200 cd/lm
 Required components:

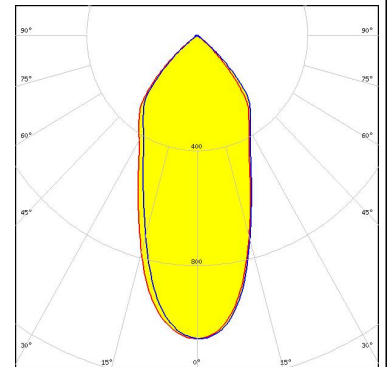
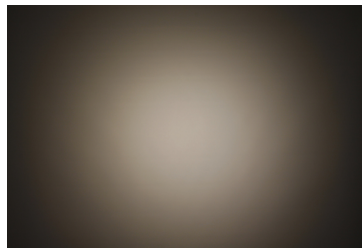
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

LED MJT COB LES 22
 FWHM 44.0°
 Efficiency 90 %
 Peak intensity 1.100 cd/lm
 Required components:

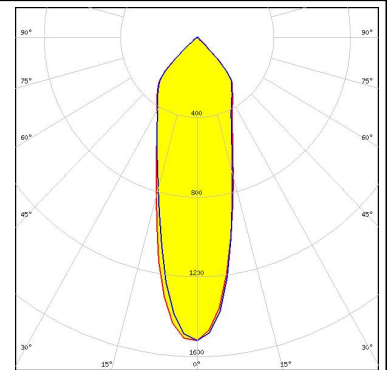
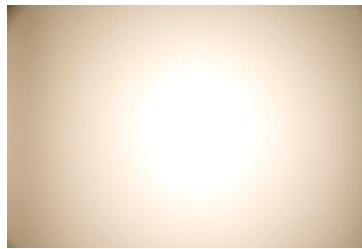
C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



PHOTOMETRIC DATA (MEASURED):

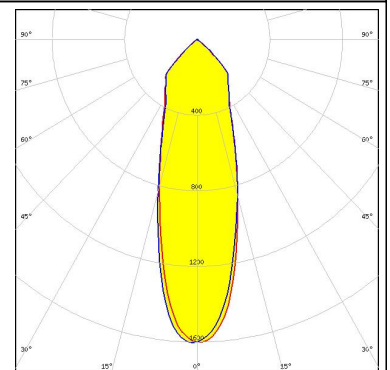
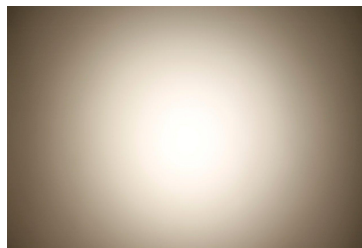
SHARP

LED Mega Zenigata (GW6DME)
 FWHM 30.0°
 Efficiency 93 %
 Peak intensity 1.530 cd/lm
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



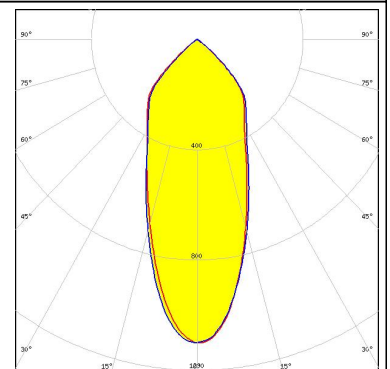
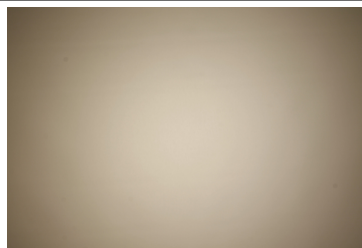
SHARP

LED Mega Zenigata (GW6DME)
 FWHM 32.0°
 Efficiency 92 %
 Peak intensity 1.600 cd/lm
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



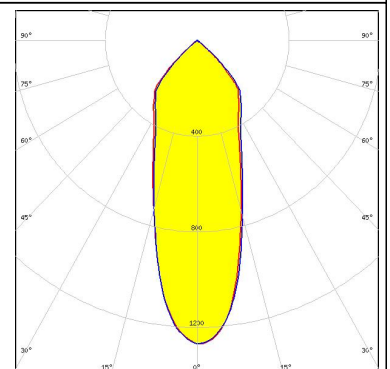
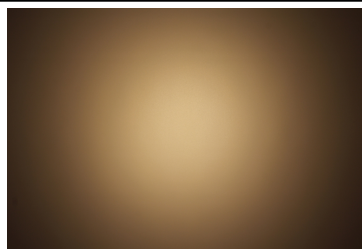
SHARP

LED Mega Zenigata (GW6DME)
 FWHM 40.0°
 Efficiency 88 %
 Peak intensity 1.100 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED SLE G4 LES19 H
 FWHM 35.0°
 Efficiency 89 %
 Peak intensity 1.300 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G4 LES23 H

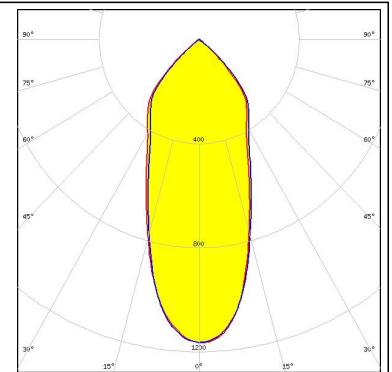
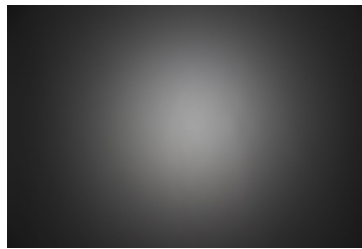
FWHM 41.0°

Efficiency 93 %

Peak intensity 1.200 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED SLE G5 LES11

FWHM 30.0°

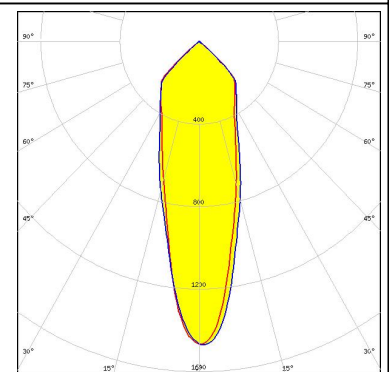
Efficiency 92 %

Peak intensity 1.500 cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1



TRIDONIC

LED SLE G5 LES15

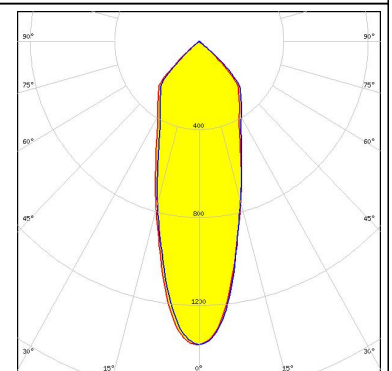
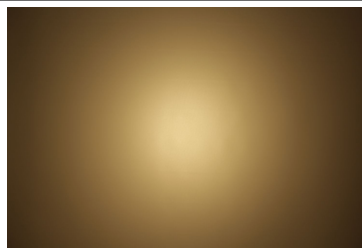
FWHM 34.0°

Efficiency 93 %

Peak intensity 1.400 cd/lm

Required components:

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



TRIDONIC

LED SLE G5 LES19 H

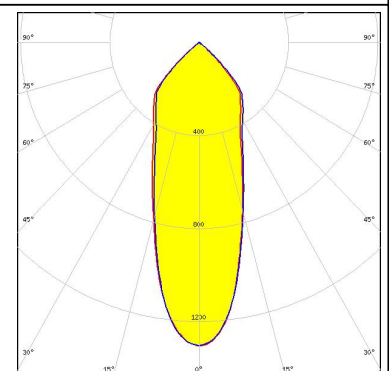
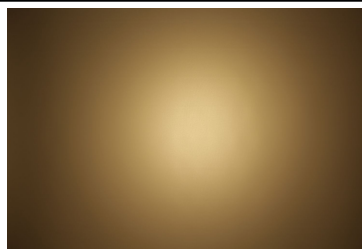
FWHM 36.0°

Efficiency 92 %

Peak intensity 1.300 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G5 LES23 H

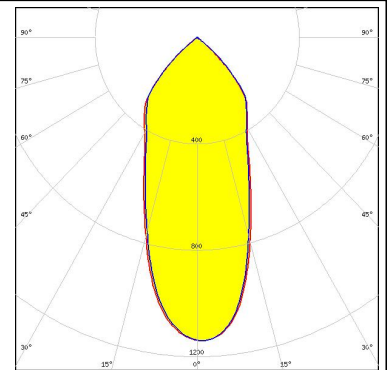
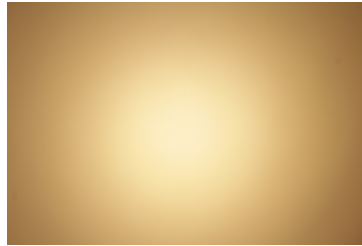
FWHM 42.0°

Efficiency 92 %

Peak intensity 1.140 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G2 LES19

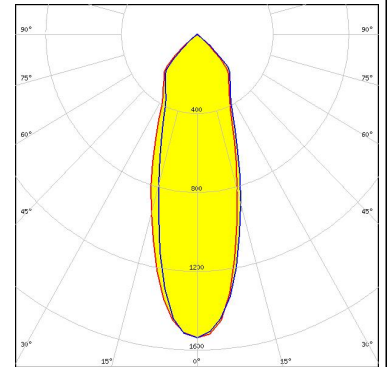
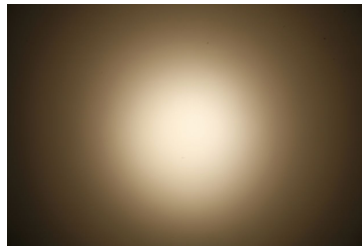
FWHM 33.0°

Efficiency 92 %

Peak intensity 1.500 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G2 LES23

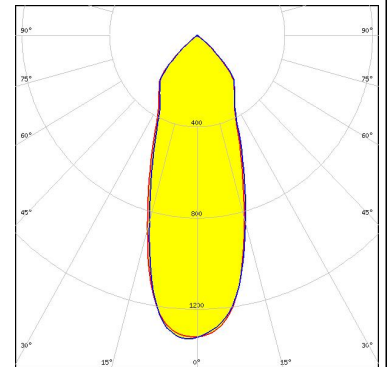
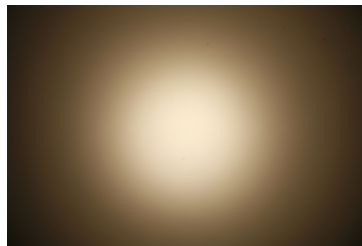
FWHM 38.0°

Efficiency 90 %

Peak intensity 1.300 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED STARK SLE G2 LES26

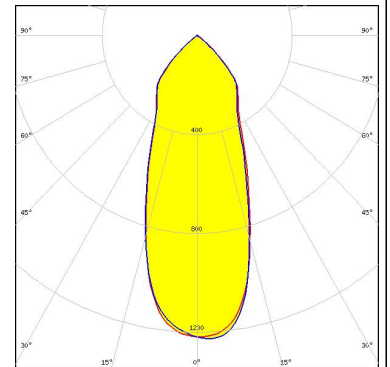
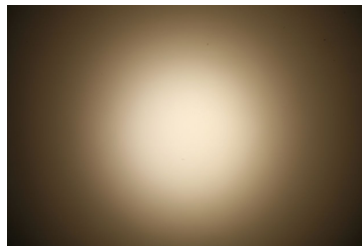
FWHM 41.0°

Efficiency 89 %

Peak intensity 1.200 cd/lm

Required components:

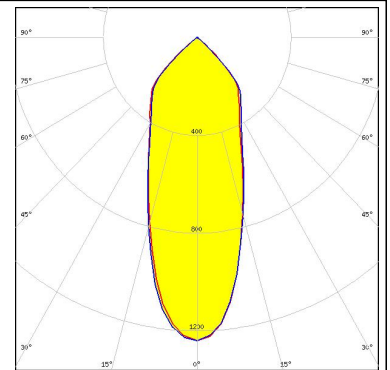
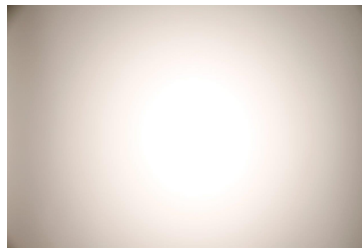
TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

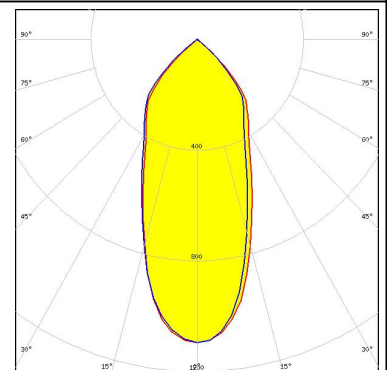
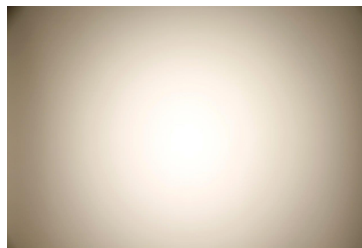
TRIDONIC

LED STARK SLE G3 LES19
 FWHM 38.0°
 Efficiency 92 %
 Peak intensity 1.200 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



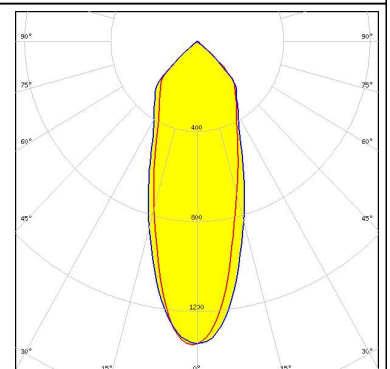
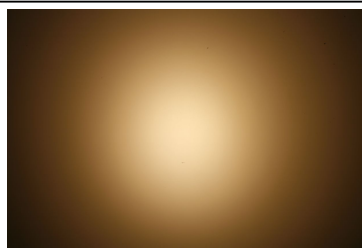
TRIDONIC

LED STARK SLE G3 LES23
 FWHM 43.0°
 Efficiency 90 %
 Peak intensity 1.100 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



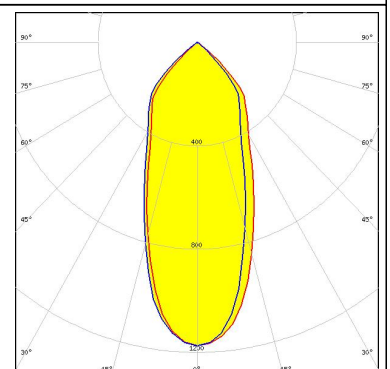
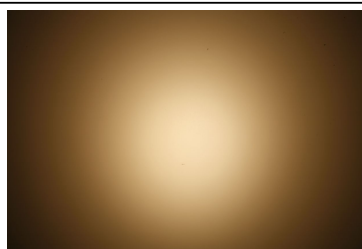
VS LIGHTING SOLUTIONS

LED WU-M-461
 FWHM 35.0°
 Efficiency 93 %
 Peak intensity 1.350 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



VS LIGHTING SOLUTIONS

LED WU-M-462
 FWHM 42.0°
 Efficiency 93 %
 Peak intensity 1.180 cd/lm
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):



LED WU-M-464

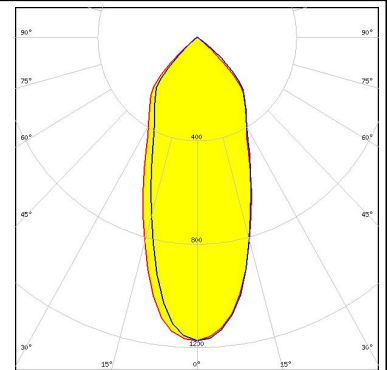
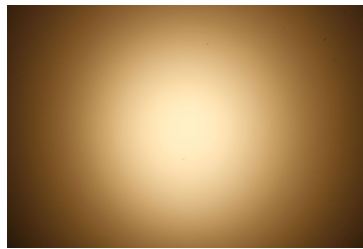
FWHM 42.0°

Efficiency 93 %

Peak intensity 1.170 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-484

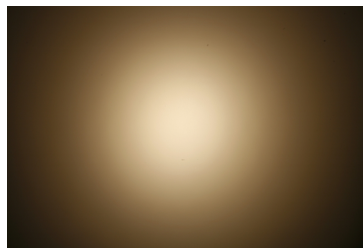
FWHM 36.0°

Efficiency 93 %

Peak intensity 1.350 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-485

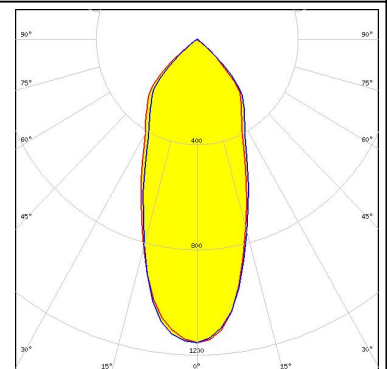
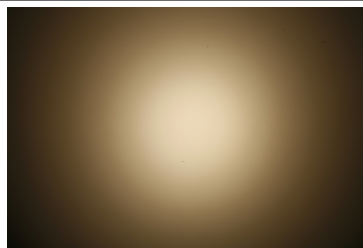
FWHM 43.0°

Efficiency 93 %

Peak intensity 1.150 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



LED WU-M-486

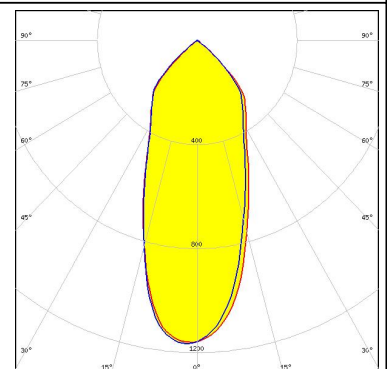
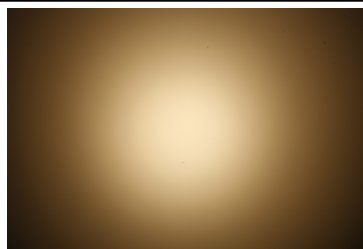
FWHM 42.0°

Efficiency 92 %


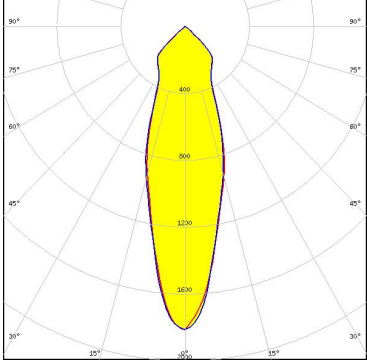

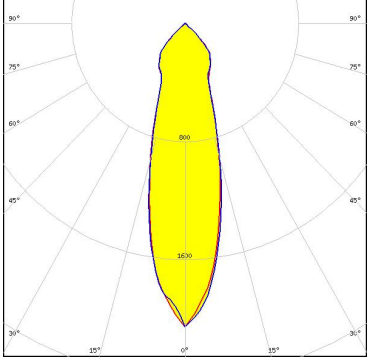

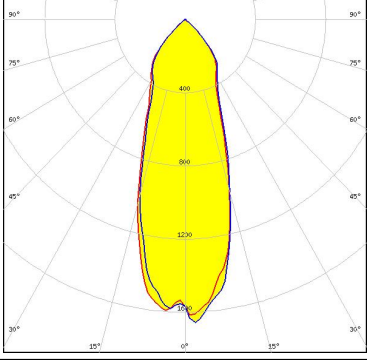

Peak intensity 1.170 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

<p> bridgelux.</p> <p>LED V10 Gen7 FWHM 31.0° Efficiency 93 % Peak intensity 1.820 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1</p>	
<p> bridgelux.</p> <p>LED V13 Gen7 FWHM 28.0° Efficiency 93 % Peak intensity 2.050 cd/lm</p> <p>Required components: IDEAL: 50-2103CT + 50-2100AN</p>	
<p> bridgelux.</p> <p>LED V22 Gen7 FWHM 34.0° Efficiency 94 % Peak intensity 1.659 cd/lm</p> <p>Required components: IDEAL: 50-2204-CT + 50-2100AN</p>	
<p> LUMINUS</p> <p>LED CXM-14 FWHM 37.0° Efficiency 91 % Peak intensity 1.300 cd/lm</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 433 Typ L1</p>	

PHOTOMETRIC DATA (SIMULATED):



LED CXM-9
FWHM 31.0°
Efficiency 92 %
Peak intensity 1.400 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



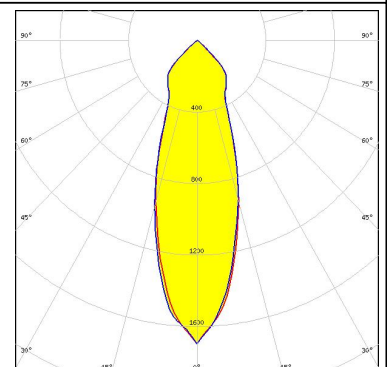
LED ZC12/18
FWHM 37.0°
Efficiency 92 %
Peak intensity 2.300 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1



LED ZC4/6
FWHM 31.0°
Efficiency 92 %
Peak intensity 1.400 cd/lm
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



LED SLE G6 LES15
FWHM 33.0°
Efficiency 92 %
Peak intensity 1.700 cd/lm
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED SLE G6 LES17

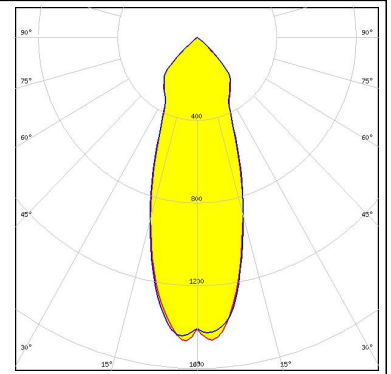
FWHM 36.0°

Efficiency 89 %

Peak intensity 1.470 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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