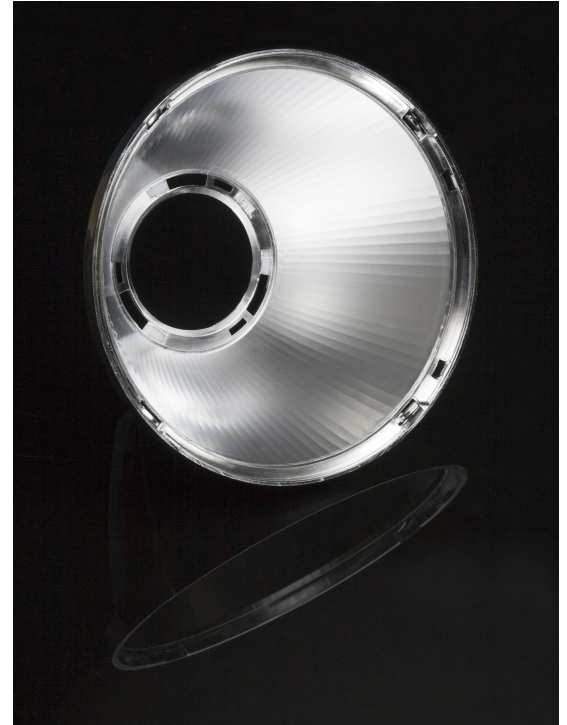


ANGELETTE-S

~10° spot beam

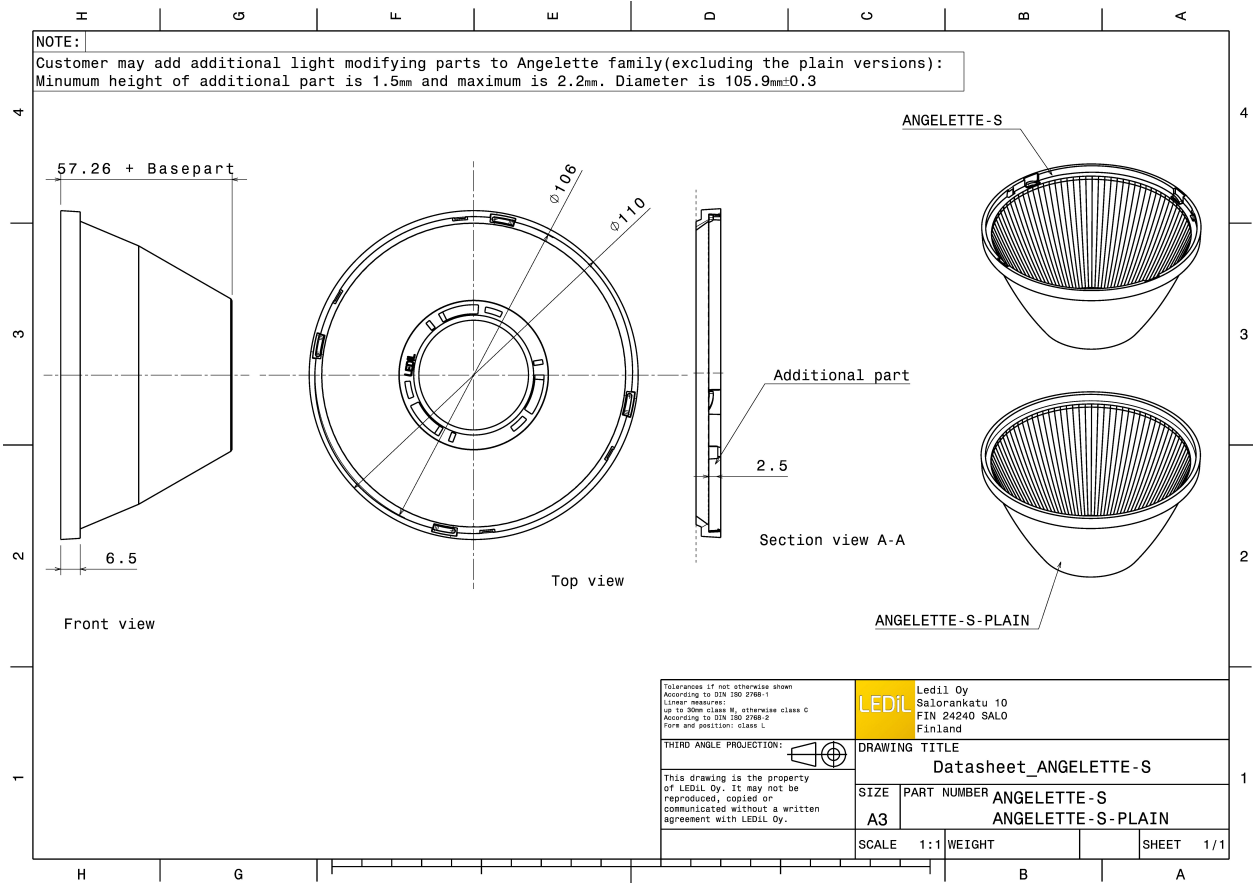
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	7.4 kg
Quantity in Box	180 pcs
ROHS compliant	yes ⓘ


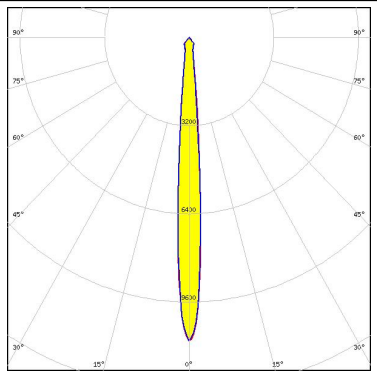

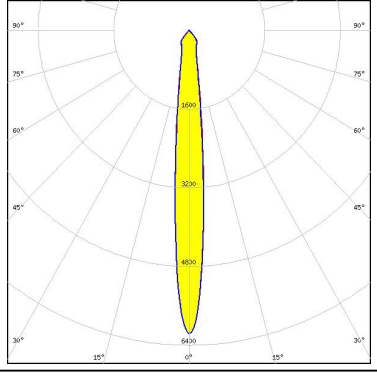

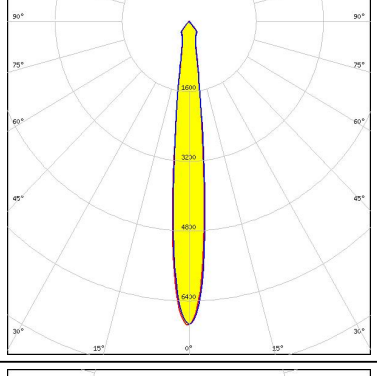

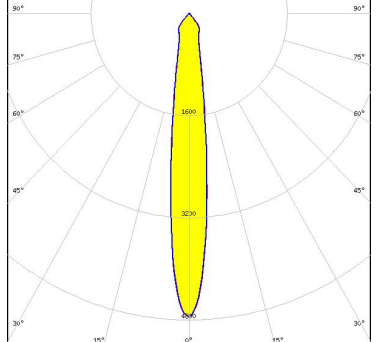


MATERIAL SPECIFICATIONS:


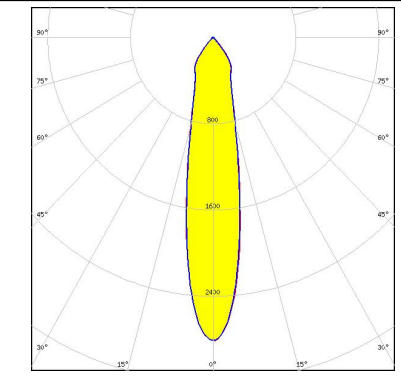
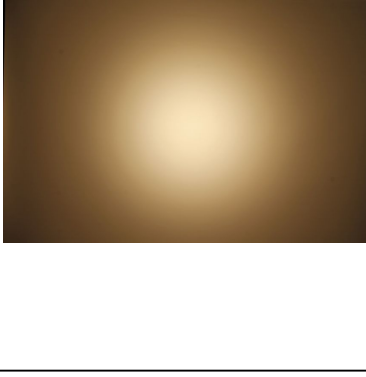
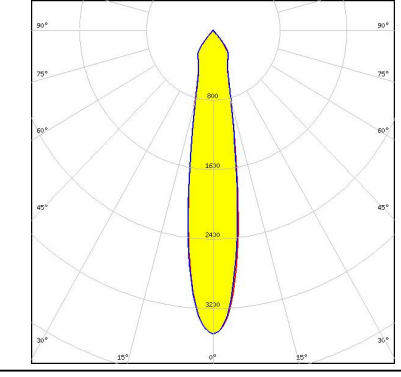

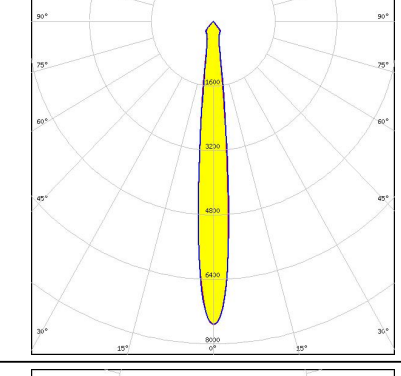

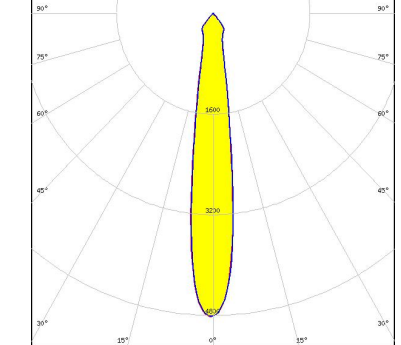
Component	Type	Material	Colour	Coating
ANGELETTE-S	Reflector	PC	metal	HMDS




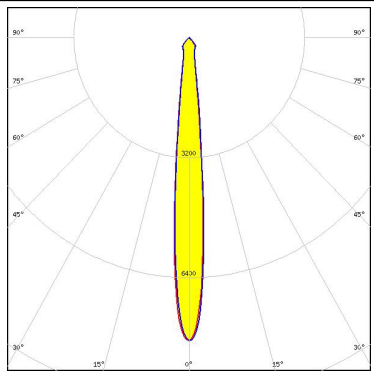
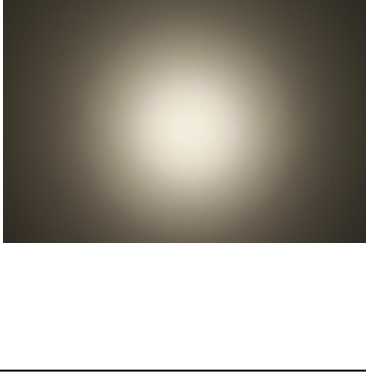
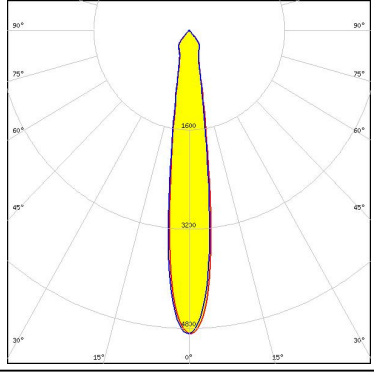
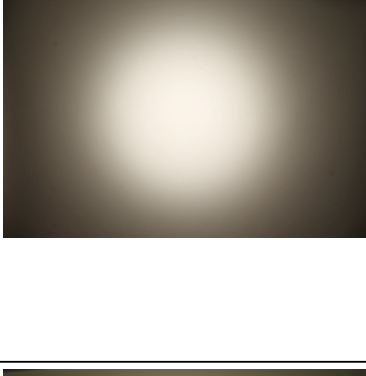
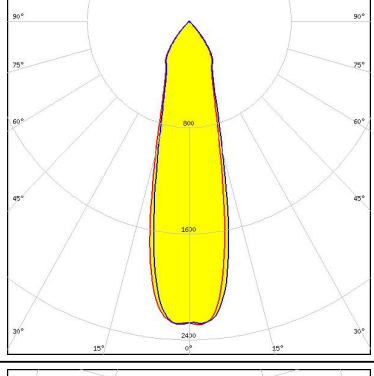

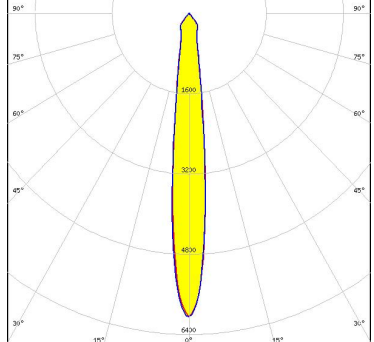
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen7 FWHM 8.5° Efficiency 89 % Peak intensity 11.000 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 486 Typ L1</p>		
<p>bridgelux.</p> <p>LED V10 Gen7 FWHM 11.0° Efficiency 85 % Peak intensity 6.200 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18 F13671_ANGE-RZ-LENS Bender Wirth: 434 Typ L1</p>		
<p>bridgelux.</p> <p>LED V13 Gen7 FWHM 12.0° Efficiency 91 % Peak intensity 7.000 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED V13 Gen7 FWHM 14.0° Efficiency 86 % Peak intensity 4.800 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 21.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.800 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS IDEAL: 50-2204-CT + 50-2100AN</p>		
<p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 19.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.500 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: IDEAL: 50-2204-CT + 50-2100AN</p>		
<p>bridgelux.</p> <p>LED Vero SE 13</p> <p>FWHM 11.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 7.600 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16402_CLAMP-VEROSE-13-18</p>		
<p>bridgelux.</p> <p>LED Vero SE 18</p> <p>FWHM 16.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.800 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16402_CLAMP-VEROSE-13-18</p>		

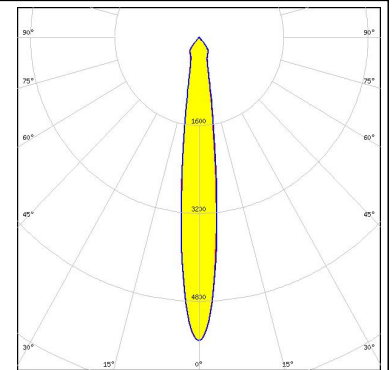
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO13 FWHM 11.0° Efficiency 90 % Peak intensity 8.100 cd/m LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO18 FWHM 15.0° Efficiency 90 % Peak intensity 4.900 cd/m LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO29 FWHM 27.0° Efficiency 90 % Peak intensity 2.300 cd/m LEDs/each optic 1 Light colour White Required components: C13584_CLAMP-VERO29</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 13.0° Efficiency 89 % Peak intensity 6.000 cd/m LEDs/each optic 1 Light colour White Required components: IDEAL: 50-2103CT + 50-2100AN</p>		

PHOTOMETRIC DATA (MEASURED):

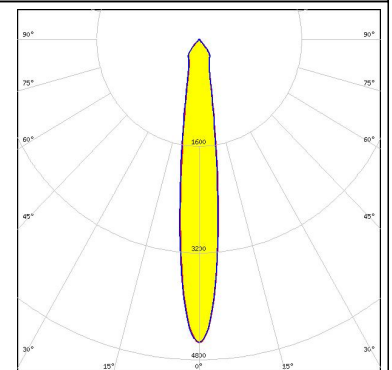
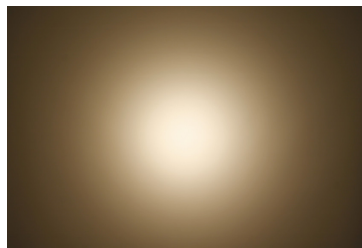
CITIZEN

LED CLL03x/CLU03x
 FWHM 14.0°
 Efficiency 89 %
 Peak intensity 5.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16791_CLAMP-Z45-A
 F13671_ANGE-RZ-LENS
 TE: 2325807-3



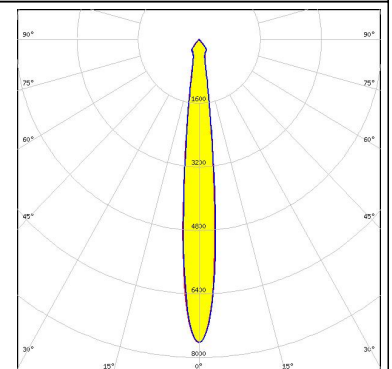
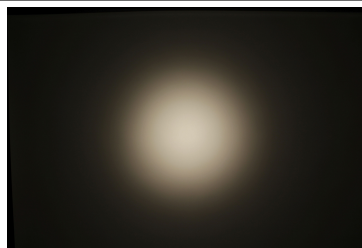
CITIZEN

LED CLL03x/CLU03x
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 4.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



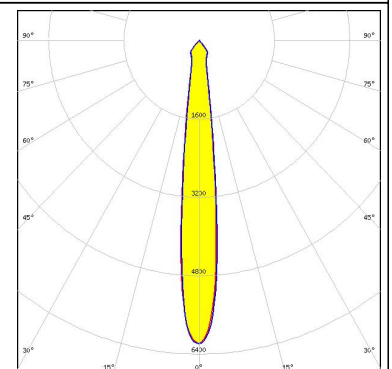
CITIZEN

LED CLL03x/CLU03x
 FWHM 12.0°
 Efficiency 93 %
 Peak intensity 7.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16791_CLAMP-Z45-A
 TE: 2325807-3



CITIZEN

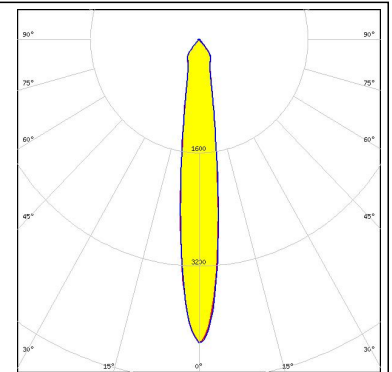
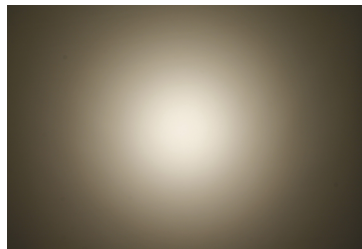
LED CLL03x/CLU03x
 FWHM 13.0°
 Efficiency 90 %
 Peak intensity 6.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

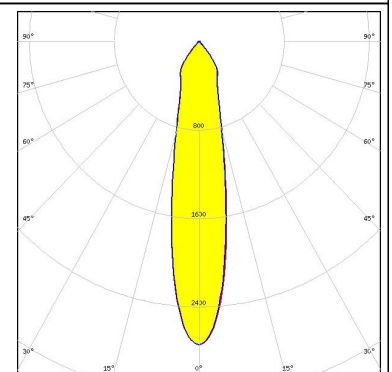
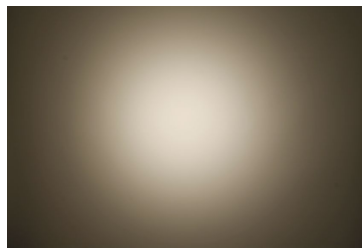
CITIZEN

LED CLL03x/CLU03x
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 4.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2103CT + 50-2100AN



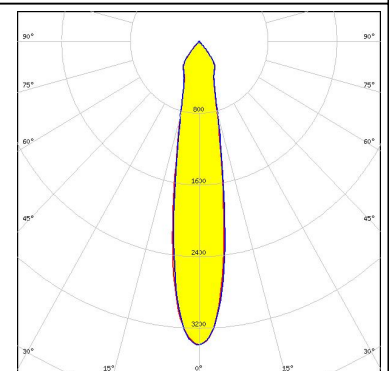
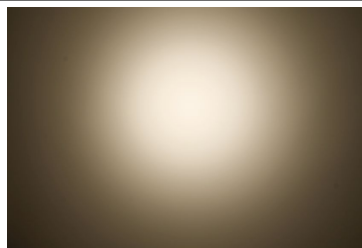
CITIZEN

LED CLL04x/CLU04x
 FWHM 21.0°
 Efficiency 85 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



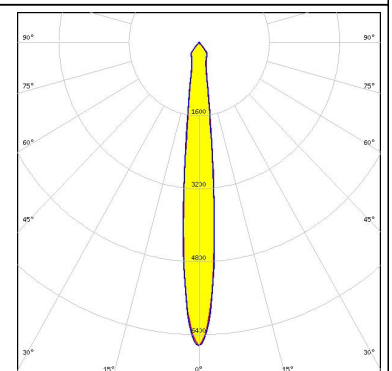
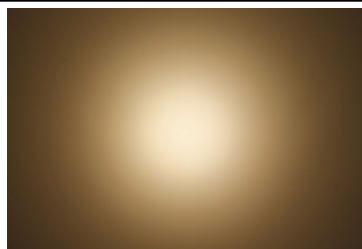
CITIZEN

LED CLL04x/CLU04x
 FWHM 19.0°
 Efficiency 90 %
 Peak intensity 3.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



CITIZEN

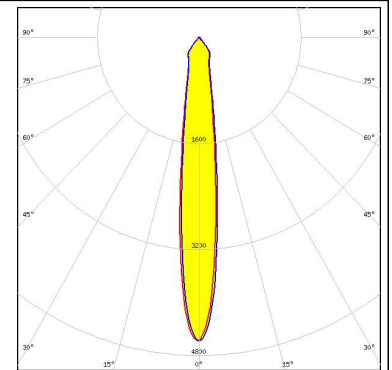
LED CLU730/731
 FWHM 12.0°
 Efficiency 89 %
 Peak intensity 6.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

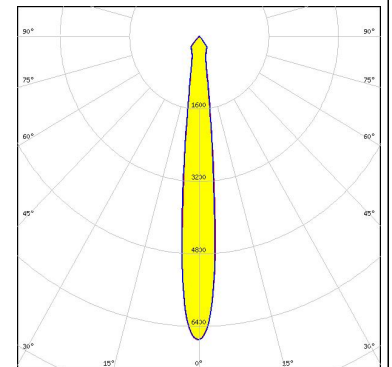
CITIZEN

LED CLU730/731
 FWHM 14.0°
 Efficiency 85 %
 Peak intensity 4.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



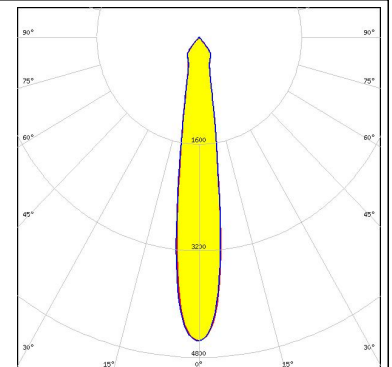
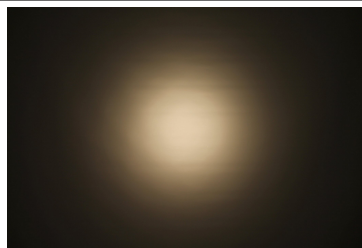
CREE

LED CMA1840
 FWHM 12.0°
 Efficiency 91 %
 Peak intensity 6.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18



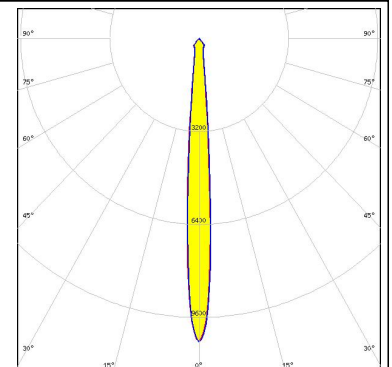
CREE

LED CMA2550
 FWHM 16.0°
 Efficiency 91 %
 Peak intensity 4.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



CREE

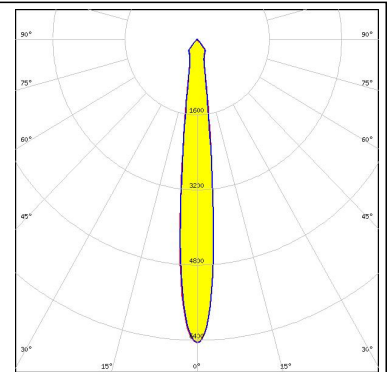
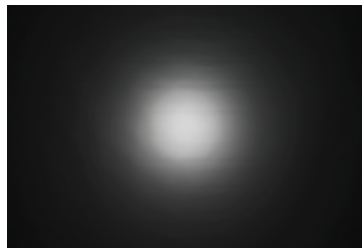
LED CMT14xx
 FWHM 9.0°
 Efficiency 91 %
 Peak intensity 10.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 434 Typ L1



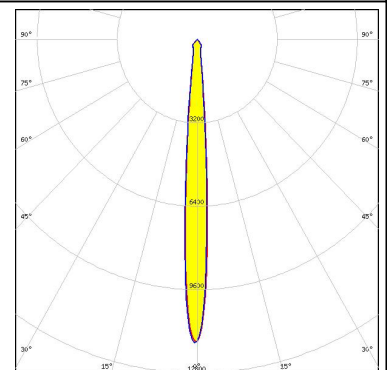
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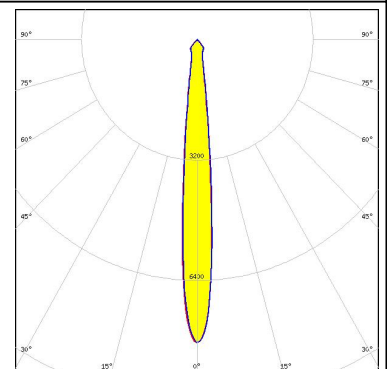
LED CMT19xx
 FWHM 12.0°
 Efficiency 91 %
 Peak intensity 6.460 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 477 Typ L1



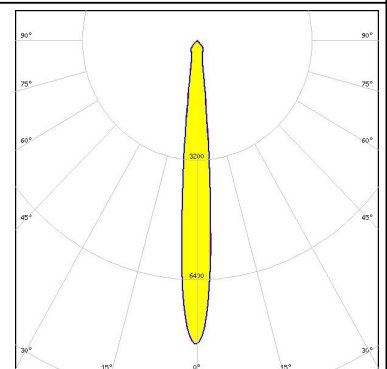
LED CXA/B 15xx
 FWHM 8.0°
 Efficiency 90 %
 Peak intensity 12.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 11.0°
 Efficiency 91 %
 Peak intensity 8.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



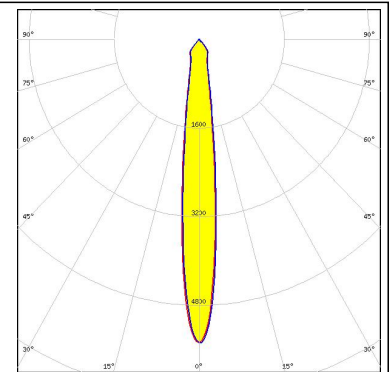
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 11.0°
 Efficiency 90 %
 Peak intensity 8.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14123_CLAMP-CXA15-18



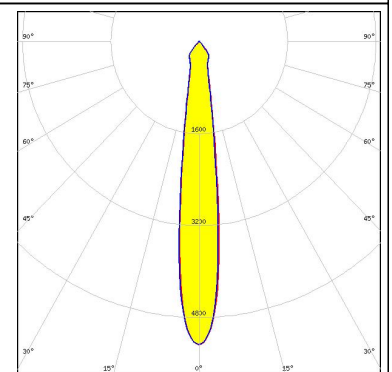
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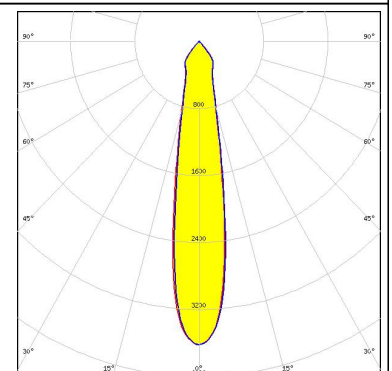
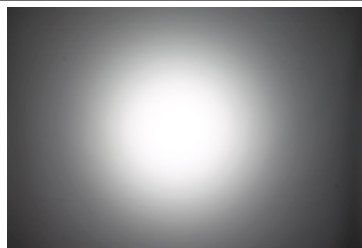
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 13.0°
 Efficiency 86 %
 Peak intensity 5.500 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



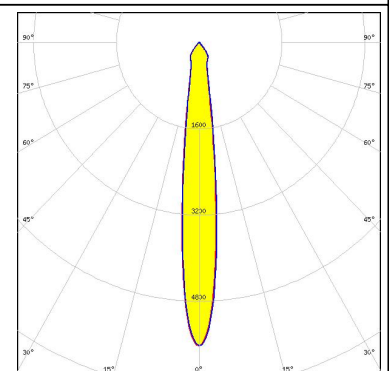
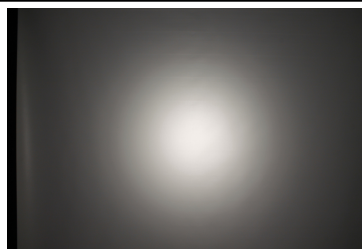
LED CXA/B 25xx
 FWHM 15.0°
 Efficiency 90 %
 Peak intensity 5.300 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30




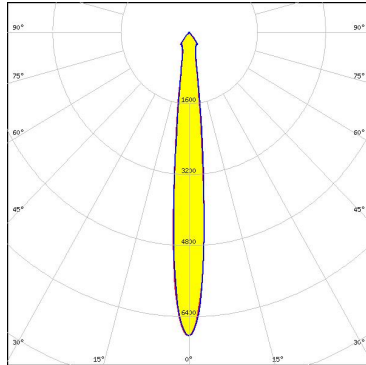
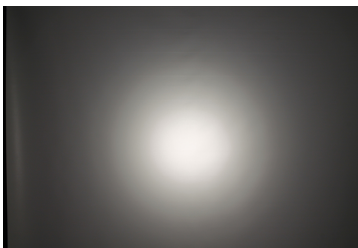
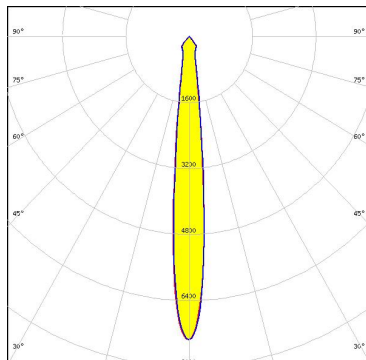
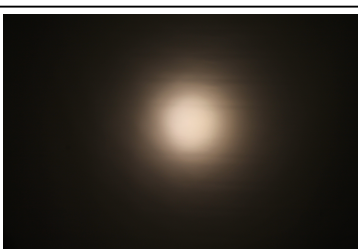
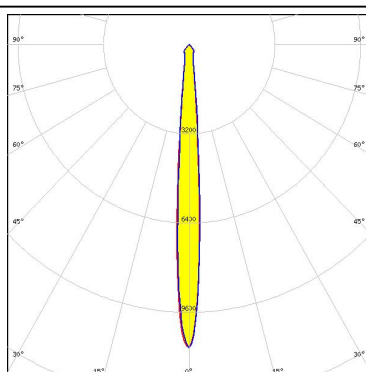
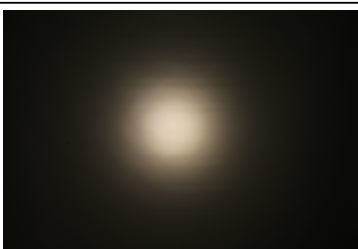
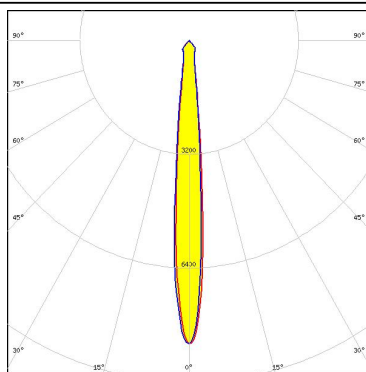
LED CXA/B 30xx
 FWHM 19.0°
 Efficiency 90 %
 Peak intensity 3.600 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



LED LUXEON CoB 1204/1205
 FWHM 13.0°
 Efficiency 87 %
 Peak intensity 5.600 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15412_ANGELETTE-DL
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



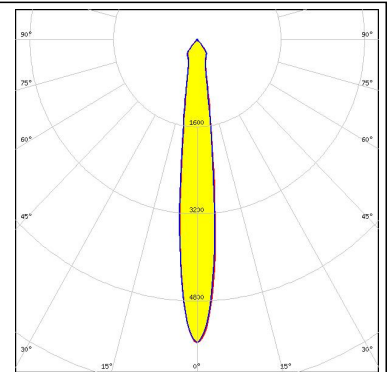
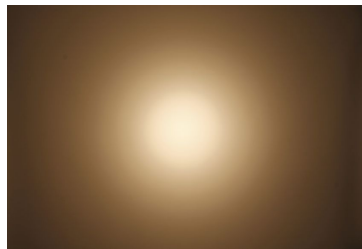
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1204/1205 FWHM 12.0° Efficiency 88 % Peak intensity 6.800 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F15176_ANGELETTE-LENS TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1204/1205 FWHM 12.0° Efficiency 90 % Peak intensity 7.400 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1204HD FWHM 8.5° Efficiency 90 % Peak intensity 10.900 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1205HD FWHM 10.0° Efficiency 90 % Peak intensity 8.500 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		

PHOTOMETRIC DATA (MEASURED):

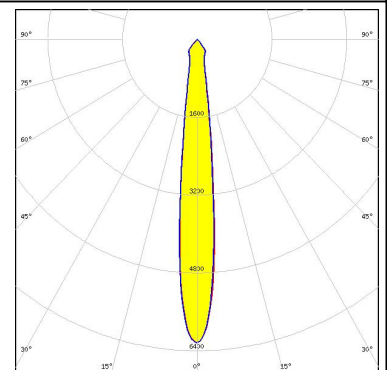
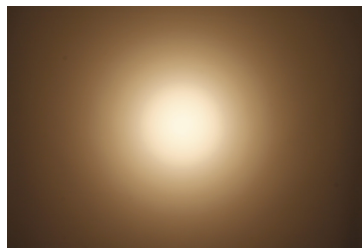
LUMILEDS

LED LUXEON CoB 1208
 FWHM 13.0°
 Efficiency 89 %
 Peak intensity 5.600 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



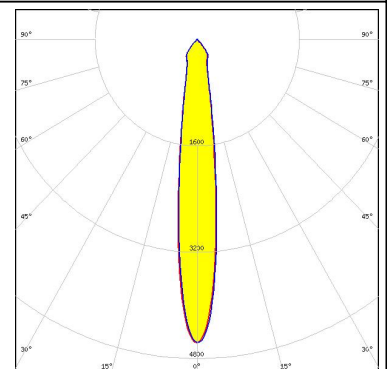
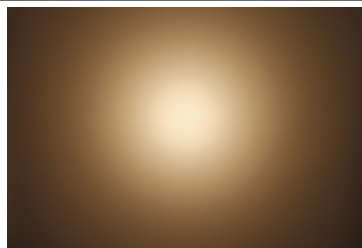
LUMILEDS

LED LUXEON CoB 1208
 FWHM 13.0°
 Efficiency 89 %
 Peak intensity 6.200 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



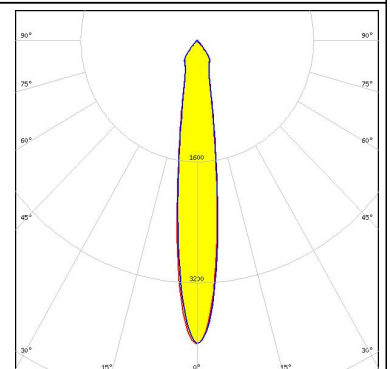
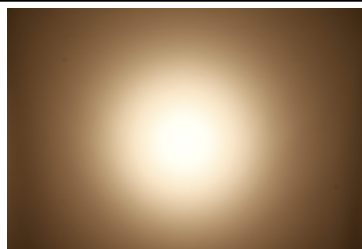
LUMILEDS

LED LUXEON CoB 1208
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 4.600 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LUMILEDS

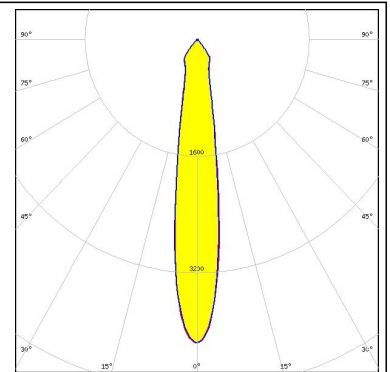
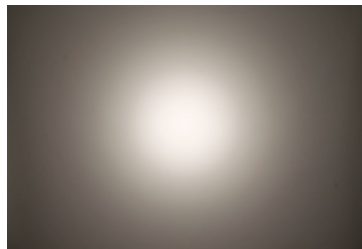
LED LUXEON CoB 1208
 FWHM 16.0°
 Efficiency 85 %
 Peak intensity 4.000 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2100SH + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

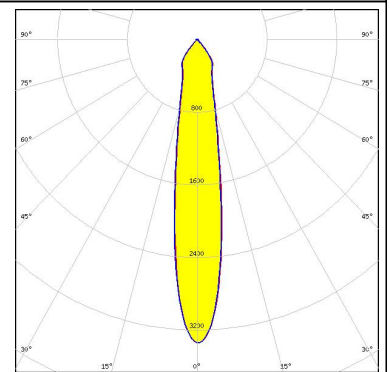
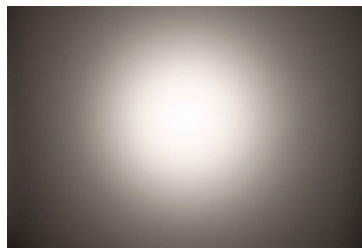
LUMILEDS

LED LUXEON CoB 1211
 FWHM 17.0°
 Efficiency 89 %
 Peak intensity 4.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



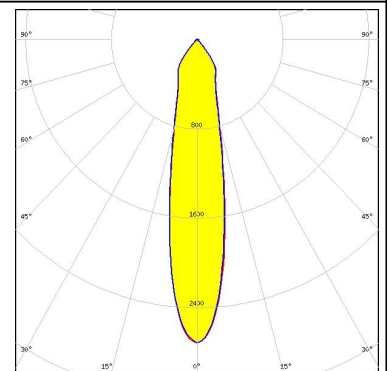
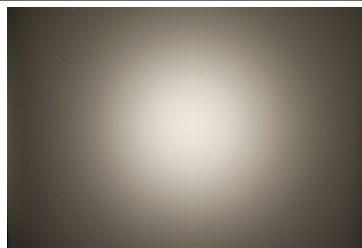
LUMILEDS

LED LUXEON CoB 1211
 FWHM 18.0°
 Efficiency 86 %
 Peak intensity 3.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



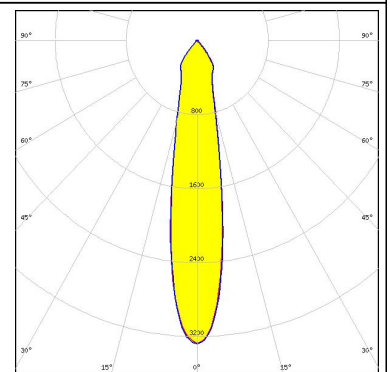
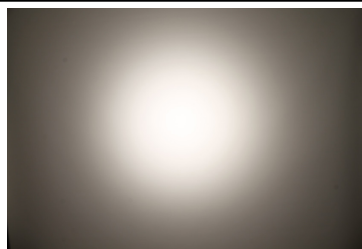
LUMILEDS

LED LUXEON CoB 1216/1812
 FWHM 21.0°
 Efficiency 86 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN


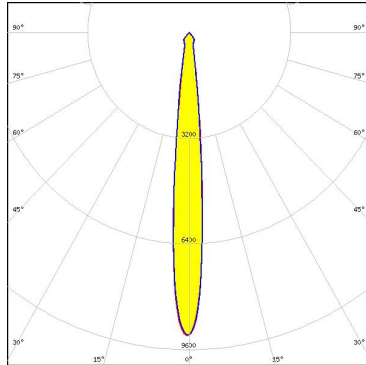

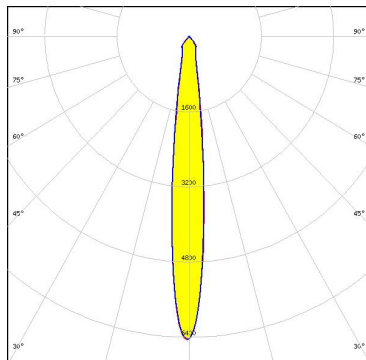
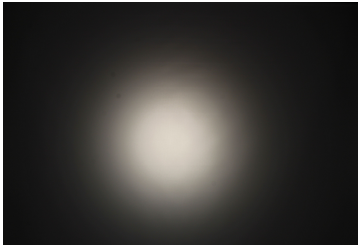
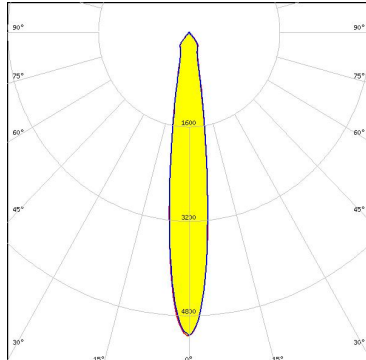

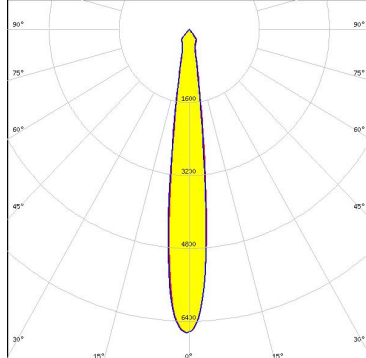


LUMILEDS

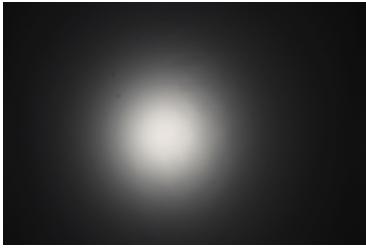
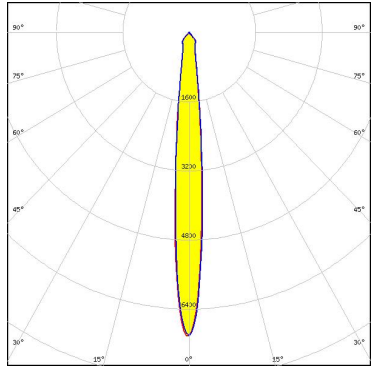

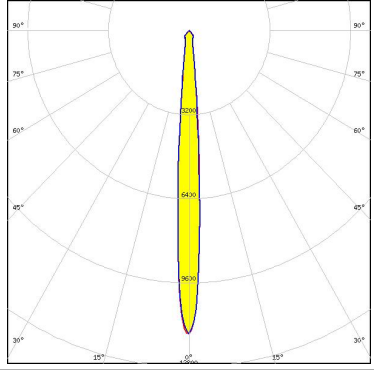

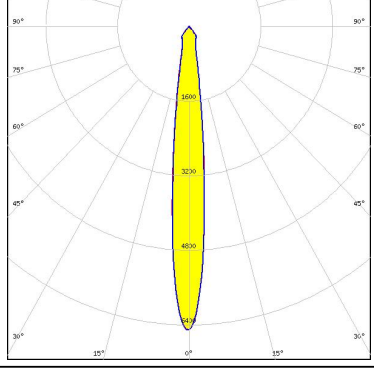

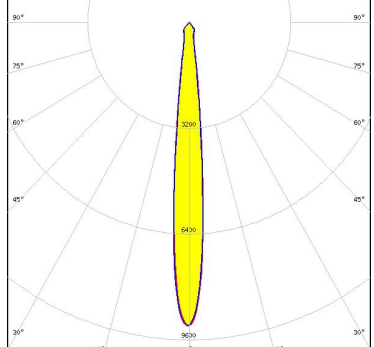
LED LUXEON CoB 1216/1812
 FWHM 20.0°
 Efficiency 89 %
 Peak intensity 3.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CDM-14 (Dim-To-Warm)</p> <p>FWHM 11.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 9.200 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 491 Typ L2</p>		
<p>LUMINUS</p> <p>LED CDM-14 (Dim-To-Warm)</p> <p>FWHM 12.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 6.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 F13671_ANGE-RZ-LENS Bender Wirth: 491 Typ L2</p>		
<p>LUMINUS</p> <p>LED CDM-18 (Dim-To-Warm)</p> <p>FWHM 15.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 5.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 F13671_ANGE-RZ-LENS Bender Wirth: 491 Typ L2</p>		
<p>LUMINUS</p> <p>LED CDM-18 (Dim-To-Warm)</p> <p>FWHM 14.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 6.600 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 491 Typ L2</p>		

PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CDM-9 (Dim-To-Warm) FWHM 11.0° Efficiency 84 % Peak intensity 7.000 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 F13671_ANGE-RZ-LENS Bender Wirth: 490 Typ L1</p>		
<p>LUMINUS</p> <p>LED CDM-9 (Dim-To-Warm) FWHM 8.4° Efficiency 89 % Peak intensity 11.600 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 490 Typ L1</p>		
<p>LUMINUS</p> <p>LED CTM-14 (Tunable White) FWHM 12.0° Efficiency 87 % Peak intensity 6.500 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13584_CLAMP-VERO29 F13671_ANGE-RZ-LENS Bender Wirth: 442 Typ L3</p>		
<p>LUMINUS</p> <p>LED CTM-14 (Tunable White) FWHM 11.0° Efficiency 92 % Peak intensity 9.200 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C13584_CLAMP-VERO29 Bender Wirth: 442 Typ L3</p>		

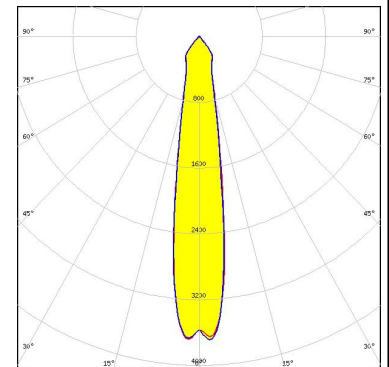
PHOTOMETRIC DATA (MEASURED):



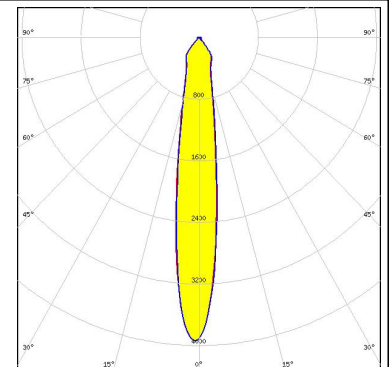
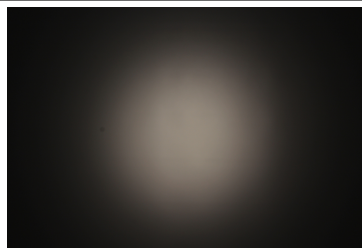
LED CTM-22 (Tunable White)
 FWHM 19.0°
 Efficiency 84 %
 Peak intensity 3.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 494 Typ L3



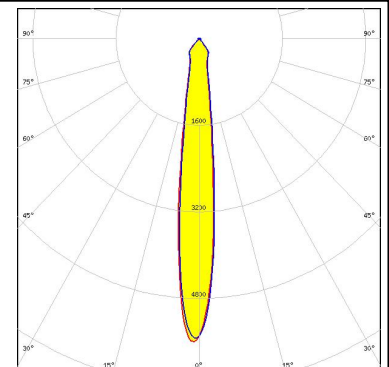
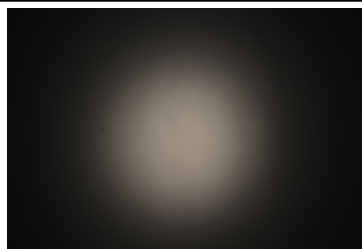
LED CTM-22 (Tunable White)
 FWHM 18.0°
 Efficiency 88 %
 Peak intensity 3.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3




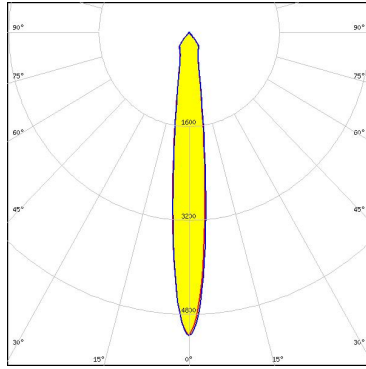

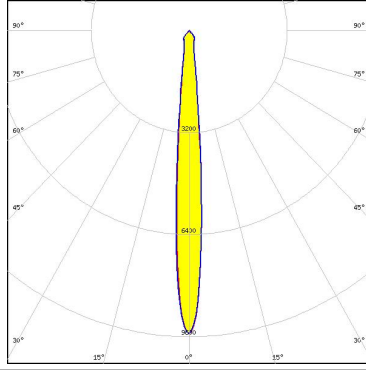

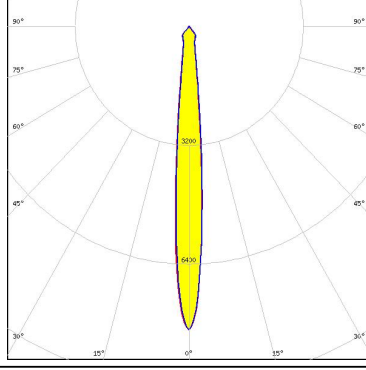

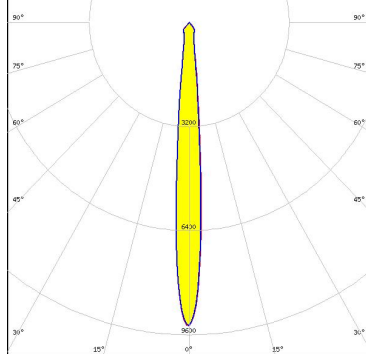
LED COB J-Type
 FWHM 16.0°
 Efficiency 86 %
 Peak intensity 4.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2103NC + 50-2100AN



LED COB J-Type
 FWHM 13.0°
 Efficiency 91 %
 Peak intensity 5.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2103NC + 50-2100AN



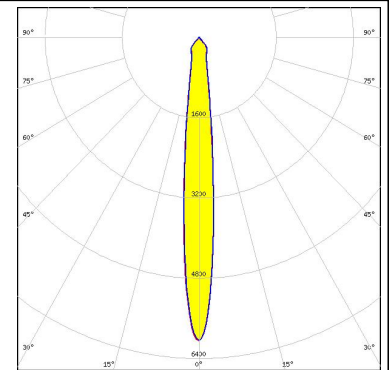
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 13.0° Efficiency 84 % Peak intensity 5.200 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS IDEAL: 50-2100NC + 50-2100AN</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 10.0° Efficiency 90 % Peak intensity 9.500 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>NICHIA</p> <p>LED COB L-Type (LES 11) FWHM 10.0° Efficiency 89 % Peak intensity 8.200 cd/lm LEDs/each optic 1 Light colour White Required components: IDEAL: 50-2100NC + 50-2100AN</p>		
<p>NICHIA</p> <p>LED NVCWJ024Z-V1MT: COB J-Type Tunable White FWHM 10.0° Efficiency 90 % Peak intensity 9.300 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 498 Typ L2</p>		

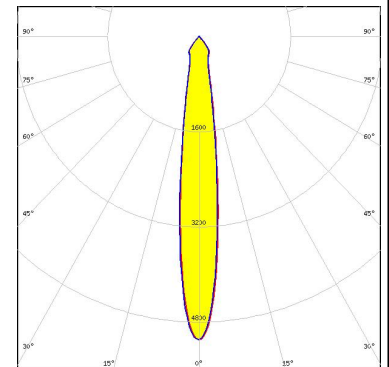
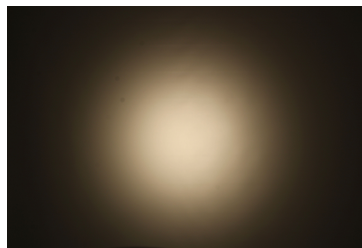
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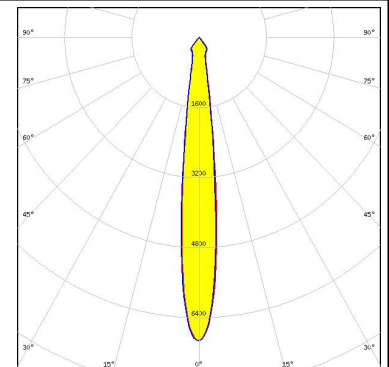
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM 12.0°
 Efficiency 85 %
 Peak intensity 6.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 498 Typ L2



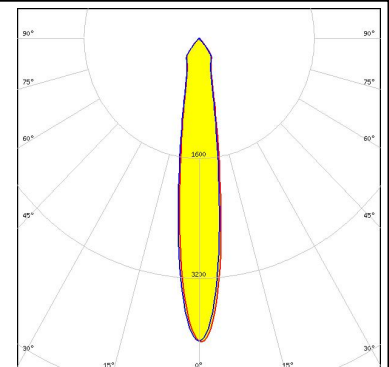
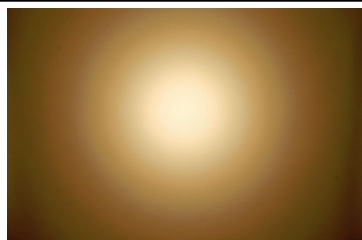
LED PrevaLED Core G7 L15 H1
 FWHM 15.0°
 Efficiency 89 %
 Peak intensity 5.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16685_CLAMP-PRV-A
 F13671_ANGE-RZ-LENS



LED PrevaLED Core G7 L15 H1
 FWHM 13.0°
 Efficiency 93 %
 Peak intensity 6.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16685_CLAMP-PRV-A



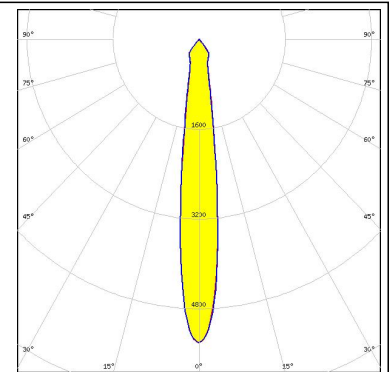
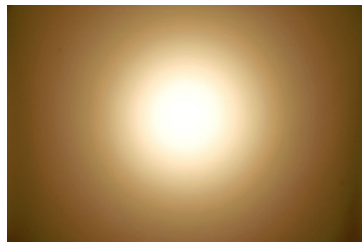
LED PrevaLED Core Z4 LES19
 FWHM 16.0°
 Efficiency 86 %
 Peak intensity 4.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

OSRAM

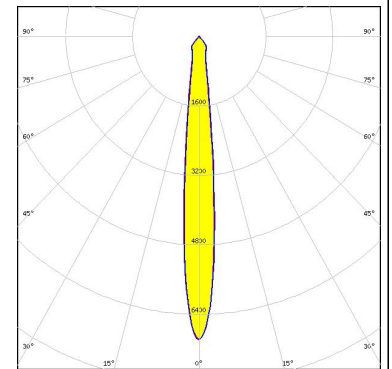
LED PrevaLED Core Z4 LES19
 FWHM 14.0°
 Efficiency 90 %
 Peak intensity 5.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

Opto Semiconductors

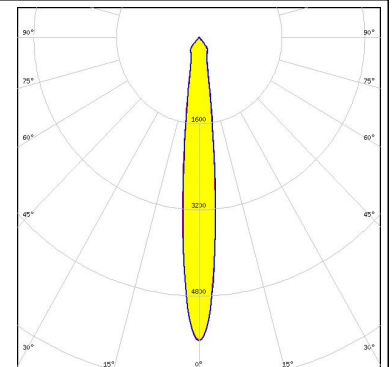
LED Soleriq S13 19x19
 FWHM 12.0°
 Efficiency 89 %
 Peak intensity 7.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2103CT + 50-2100AN



OSRAM

Opto Semiconductors

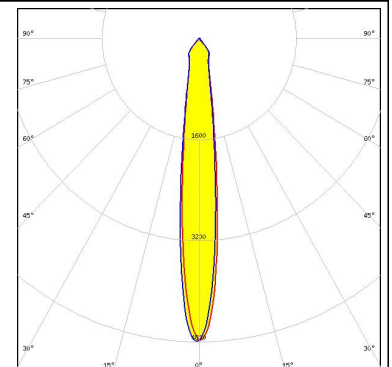
LED Soleriq S13 19x19
 FWHM 13.0°
 Efficiency 85 %
 Peak intensity 5.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



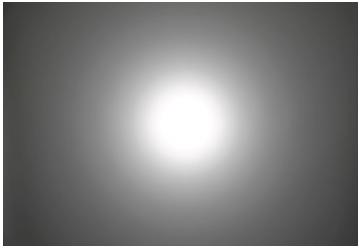
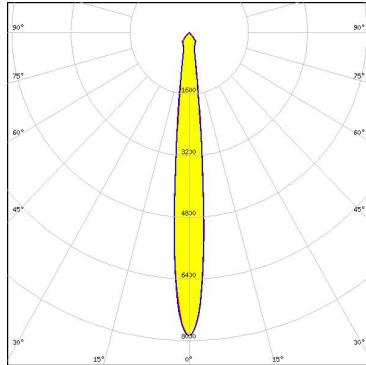

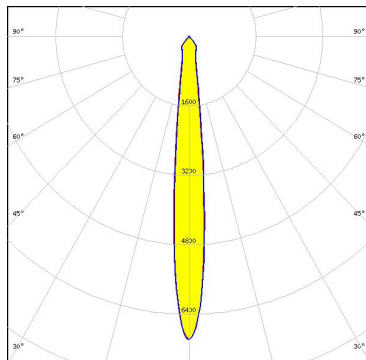

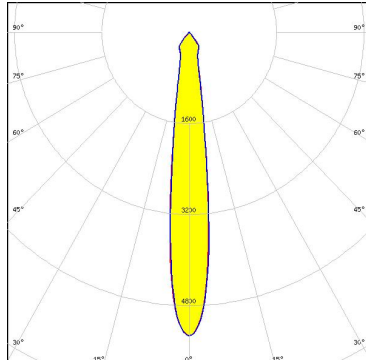
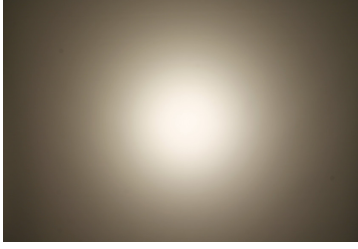
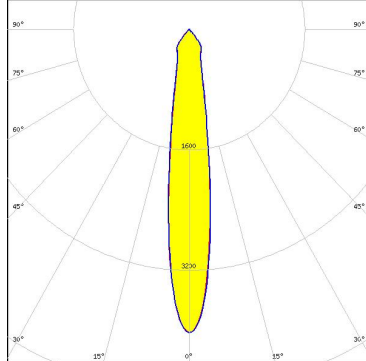
OSRAM

Opto Semiconductors

LED Soleriq S13 19x19
 FWHM 14.0°
 Efficiency 84 %
 Peak intensity 4.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2103CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 19x19 FWHM 11.0° Efficiency 89 % Peak intensity 7.900 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13 19x19 FWHM 12.0° Efficiency 89 % Peak intensity 7.000 cd/lm LEDs/each optic 1 Light colour White Required components: IDEAL: 50-2103CT + 50-2100AN</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S19 FWHM 14.0° Efficiency 90 % Peak intensity 5.300 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S19 FWHM 16.0° Efficiency 85 % Peak intensity 4.000 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		

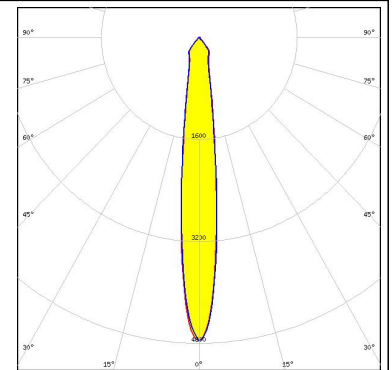
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L13 CoB
 FWHM 14.0°
 Efficiency 85 %
 Peak intensity 4.800 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

F13671_ANGE-RZ-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

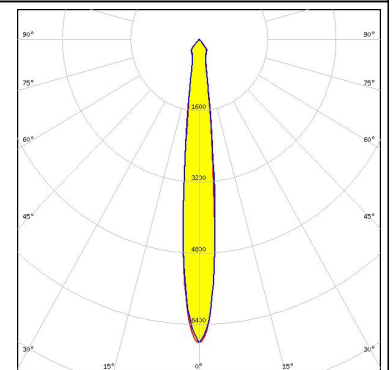
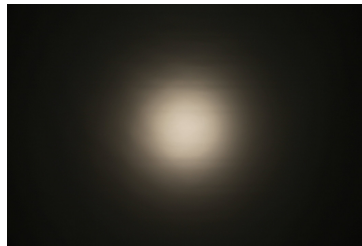


PHILIPS

LED Fortimo SLM L13 CoB
 FWHM 12.0°
 Efficiency 91 %
 Peak intensity 6.900 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

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

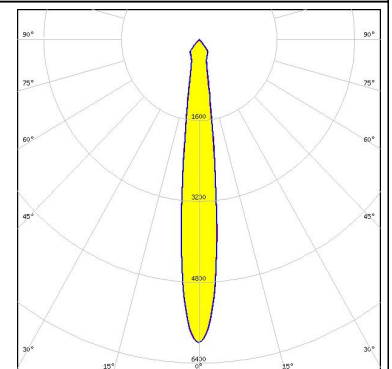


PHILIPS

LED Fortimo SLM L15 + SLM holder
 FWHM 13.0°
 Efficiency 89 %
 Peak intensity 6.000 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1

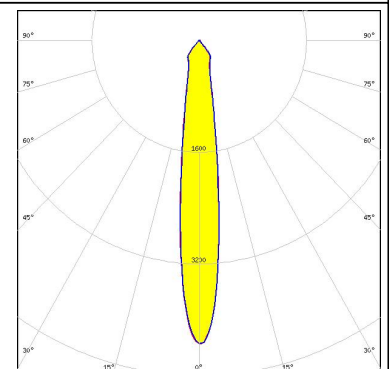
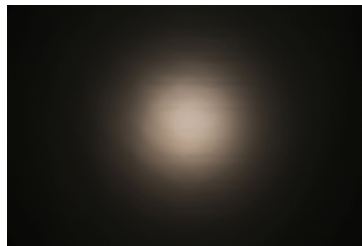


PHILIPS

LED Fortimo SLM L15 CoB
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 4.400 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

F13671_ANGE-RZ-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



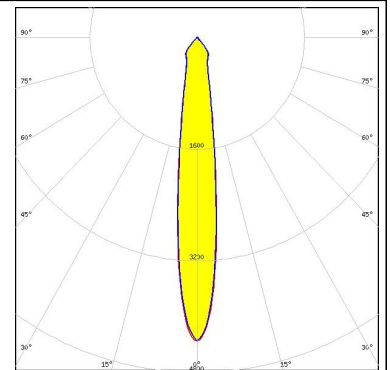
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L15 CoB
 FWHM 15.0°
 Efficiency 85 %
 Peak intensity 4.400 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

F13671_ANGE-RZ-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

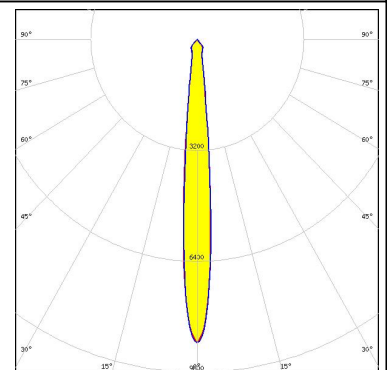


SAMSUNG

LED LC040C
 FWHM 10.0°
 Efficiency 90 %
 Peak intensity 8.800 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

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

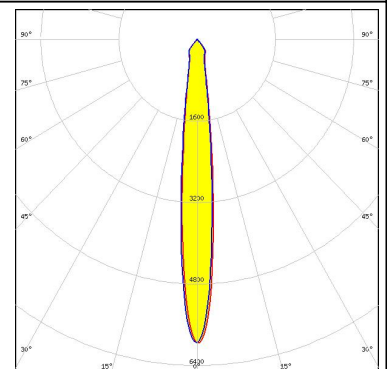
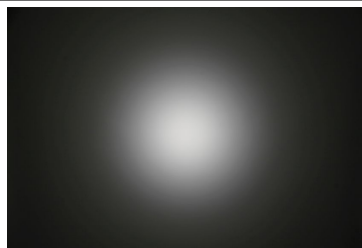


SAMSUNG

LED LC040C
 FWHM 12.0°
 Efficiency 86 %
 Peak intensity 6.000 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

F13671_ANGE-RZ-LENS
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1

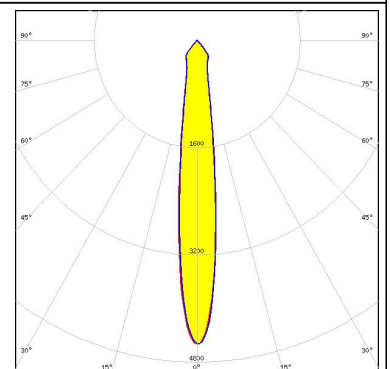


SEOUL SEMICONDUCTOR


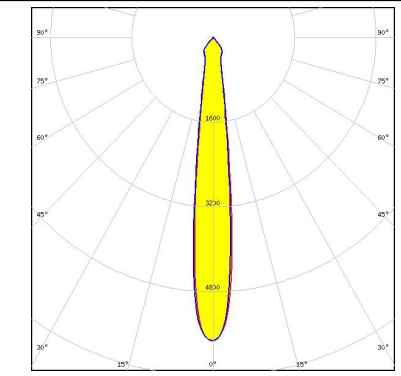

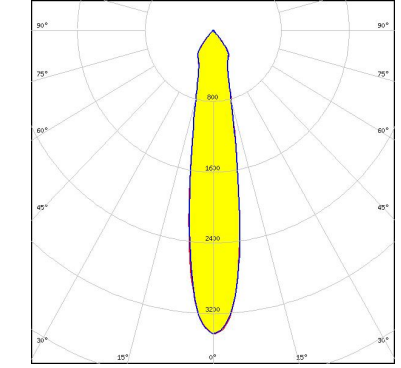

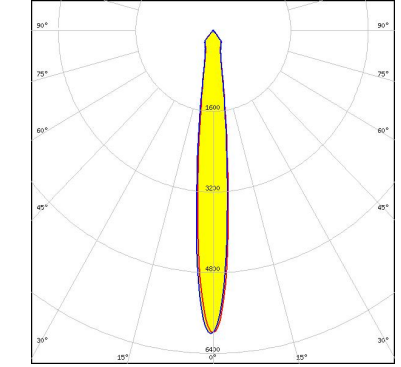

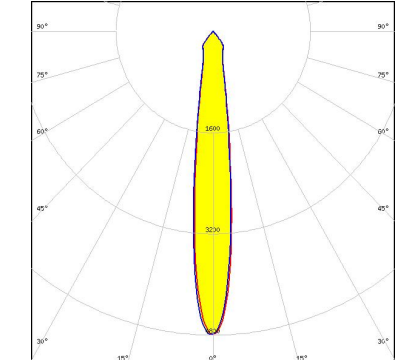
LED AC Zhaga COB
 FWHM 14.0°
 Efficiency 85 %
 Peak intensity 4.500 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:


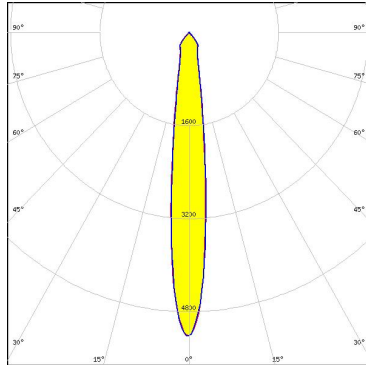

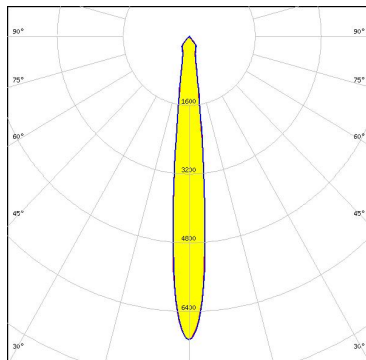
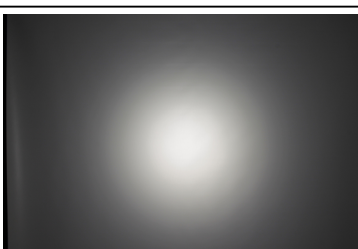
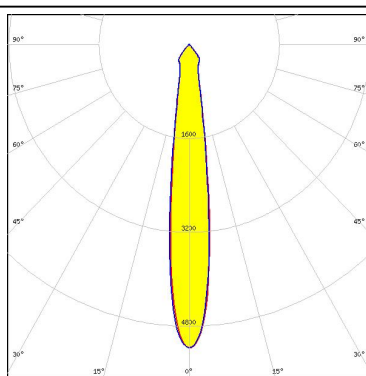
F13671_ANGE-RZ-LENS
 Optosource: SEHSMJD-A



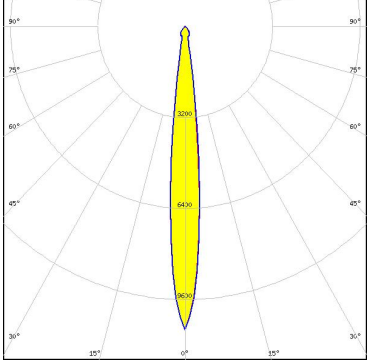
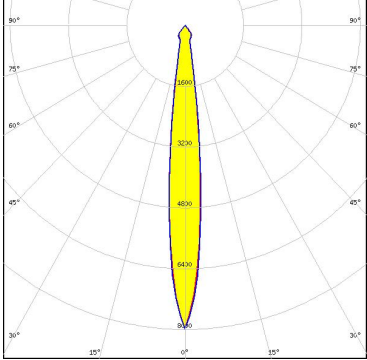
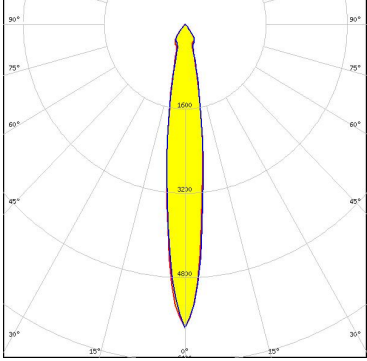
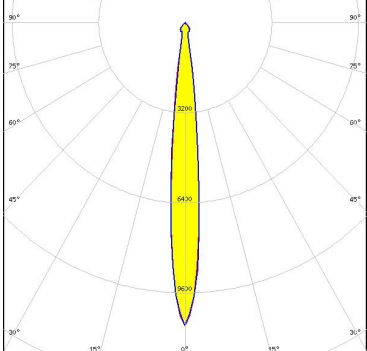
PHOTOMETRIC DATA (MEASURED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5 FWHM 14.0° Efficiency 89 % Peak intensity 5.700 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 22 FWHM 19.0° Efficiency 88 % Peak intensity 3.400 cd/lm LEDs/each optic 1 Light colour White Required components: C13584_CLAMP-VERO29 Bender Wirth: 431 Typ L3</p>		
<p>TRIDONIC</p> <p>LED SLE G1 11mm 1000lm 927 Sunset R EXC FWHM 12.0° Efficiency 86 % Peak intensity 6.000 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>TRIDONIC</p> <p>LED SLE G1 15mm 2000lm 927 Sunset R EXC FWHM 14.0° Efficiency 86 % Peak intensity 4.800 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		

PHOTOMETRIC DATA (MEASURED):

<p>VS LIGHTING SOLUTIONS</p> <p>LED WU-M-484 FWHM 13.0° Efficiency 85 % Peak intensity 5.200 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS TE: OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>VS LIGHTING SOLUTIONS</p> <p>LED WU-M-484 FWHM 12.0° Efficiency 89 % Peak intensity 7.100 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: TE: OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>XICATO</p> <p>LED XTM - 19mm LES FWHM 15.0° Efficiency 91 % Peak intensity 5.200 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16491_XTM-ADAPTER-50-A</p>		

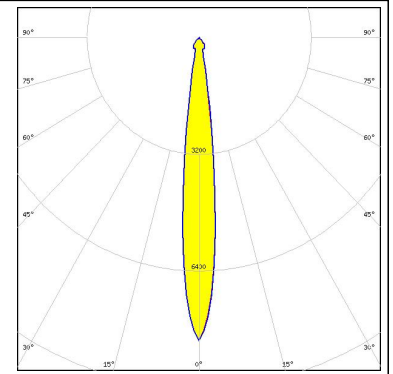
PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V13 Gen7 FWHM 11.0° Efficiency 92 % Peak intensity 10.670 cd/lm LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 477 Typ L1</p>	
<p>bridgelux.</p> <p>LED V13 Gen7 FWHM 12.0° Efficiency 92 % Peak intensity 7.980 cd/lm LEDs/each optic 1 Light colour White Required components: IDEAL: 50-2103CT + 50-2100AN</p>	
<p>bridgelux.</p> <p>LED V22 Gen7 FWHM 14.0° Efficiency 94 % Peak intensity 5.753 cd/lm LEDs/each optic 1 Light colour White Required components: IDEAL: 50-2204-CT + 50-2100AN</p>	
<p>TRIDONIC</p> <p>LED SLE G6 LES15 FWHM 11.0° Efficiency 90 % Peak intensity 10.800 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>	

PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED SLE G6 LES17
FWHM 13.0°
Efficiency 88 %
Peak intensity 0.000 cd/lm
LEDs/each optic 1
Light colour White
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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