

ANGELETTE-M2

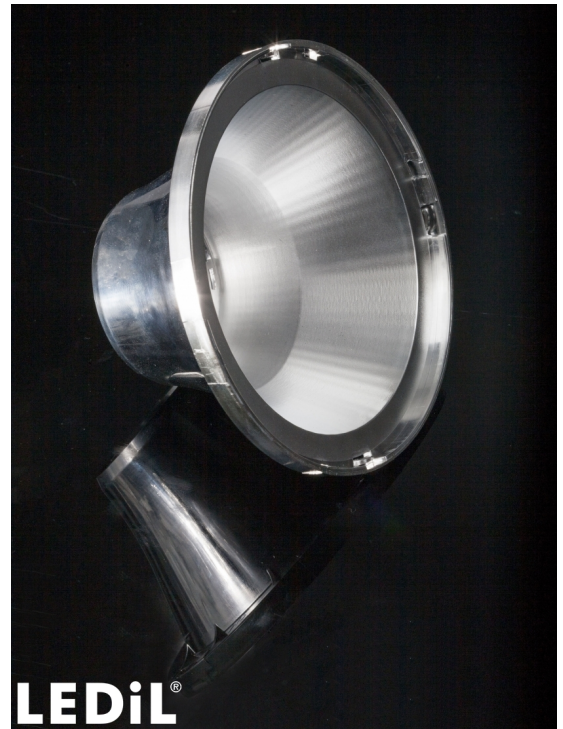
~35° medium beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

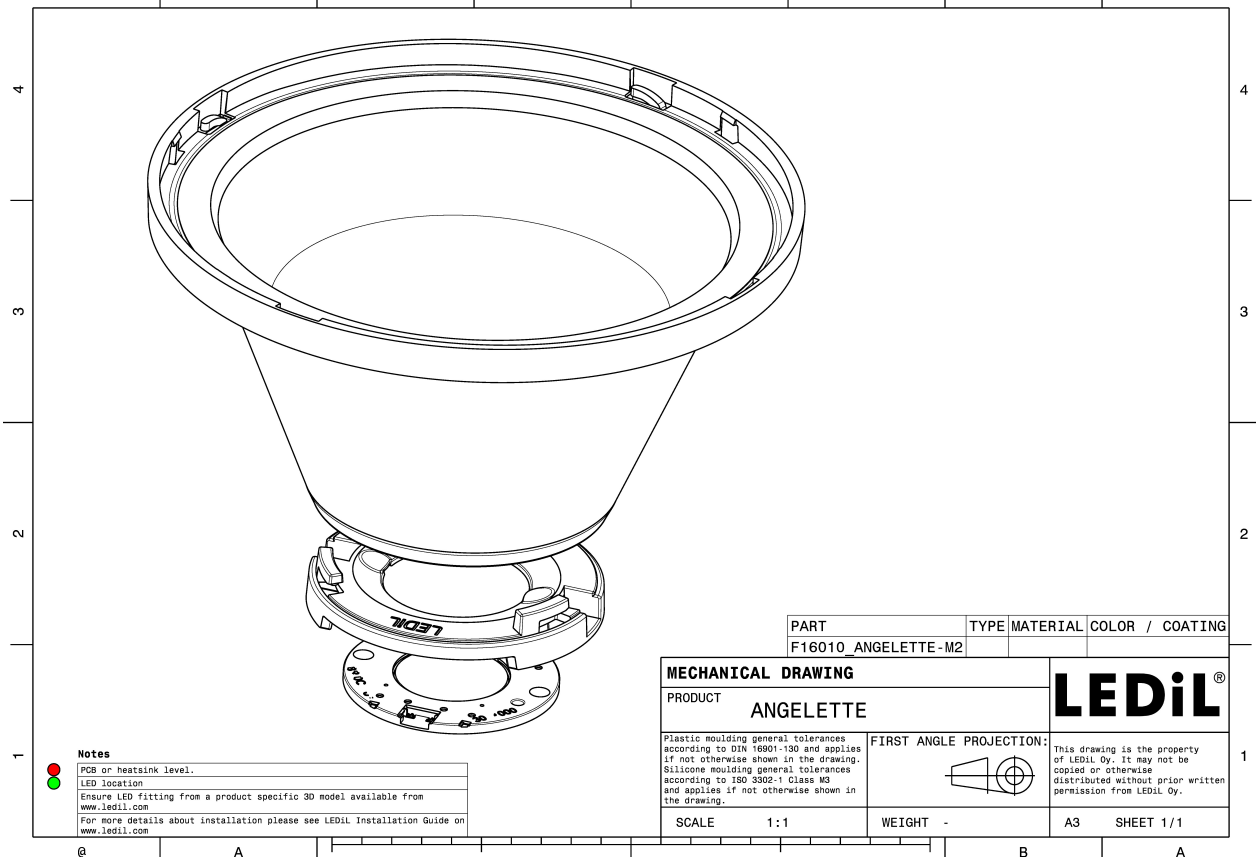
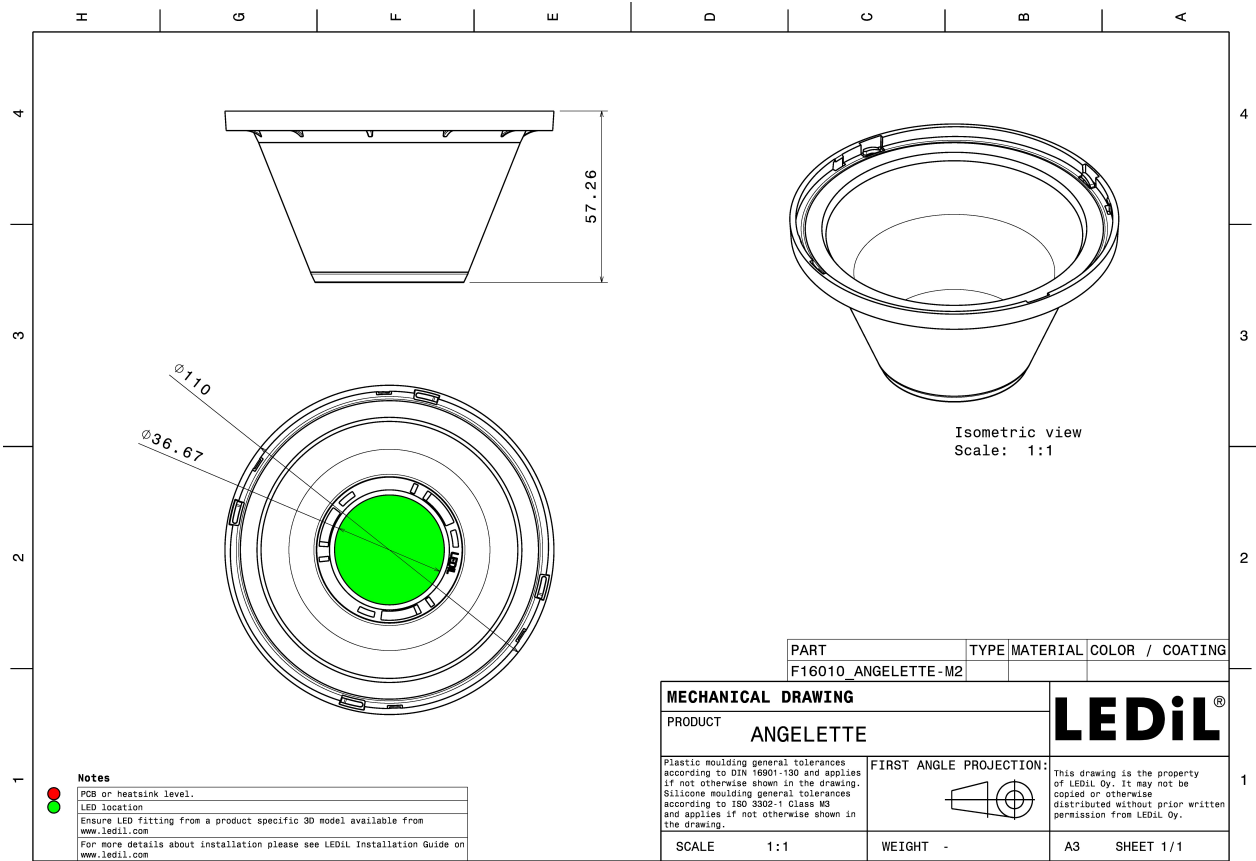
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
ANGELETTE-M2	Reflector	PC	metal		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16010_ANGELETTE-M2 » Box size: 398 x 298 x 265 mm	120	90	30	5.2

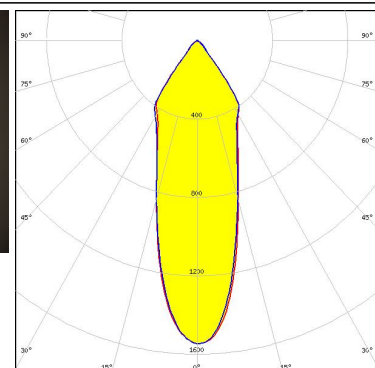
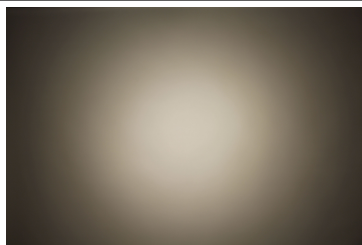


See also our general installation guide: www.ledil.com/installation_guide

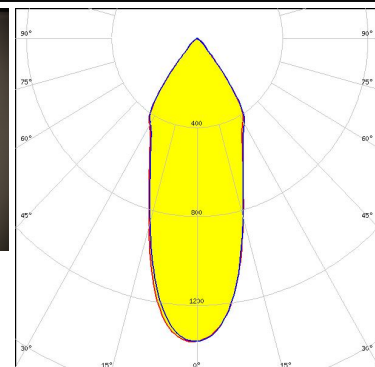
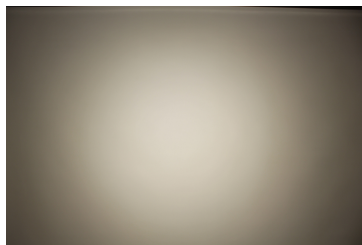
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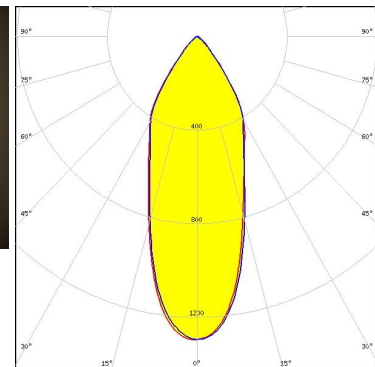
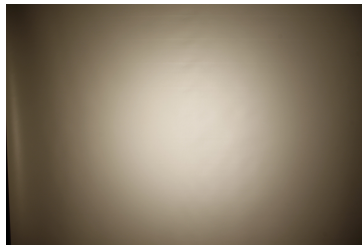
LED Vero SE 13
 FWHM / FWTM 33.0° / 79.0°
 Efficiency 87 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16402_CLAMP-VEROSE-13-18



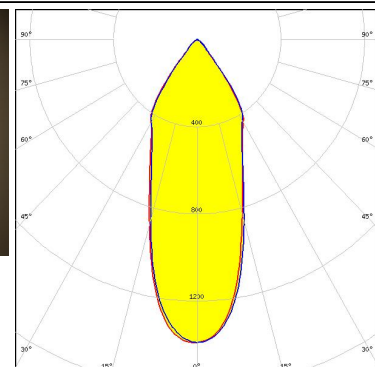
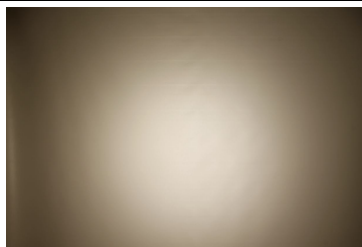
LED Vero SE 18
 FWHM / FWTM 38.0° / 81.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16402_CLAMP-VEROSE-13-18



LED VERO18
 FWHM / FWTM 38.0° / 82.0°
 Efficiency 84 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F15412_ANGELETTE-DL



LED VERO18
 FWHM / FWTM 37.0° / 80.0°
 Efficiency 87 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18



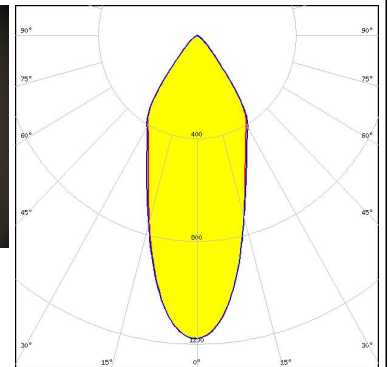
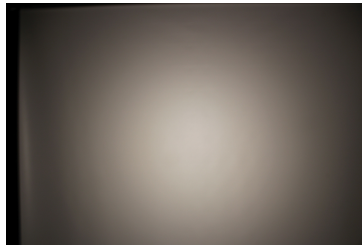
PHOTOMETRIC DATA (MEASURED):



LED Vesta TW 15mm DP
FWHM / FWTM 39.0° / 83.0°
Efficiency 79 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

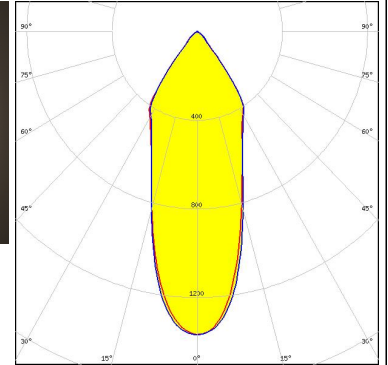
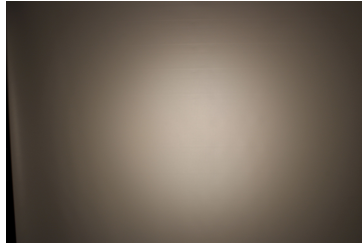
C13658_CLAMP-VERO13-18
F13671_ANGE-RZ-LENS
Bender Wirth: 482 Typ L2



LED Vesta TW 15mm DP
FWHM / FWTM 37.0° / 80.0°
Efficiency 85 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

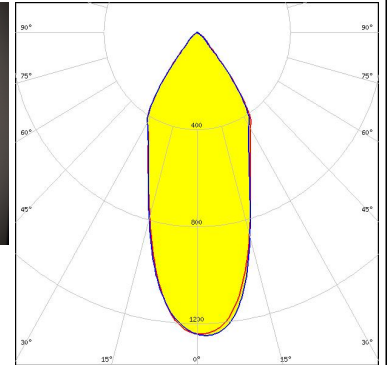
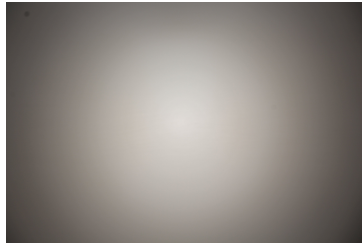
C13658_CLAMP-VERO13-18
Bender Wirth: 482 Typ L2



LED Vesta TW 18mm (31W) DP
FWHM / FWTM 41.0° / 82.0°
Efficiency 85 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour Tunable White

Required components:

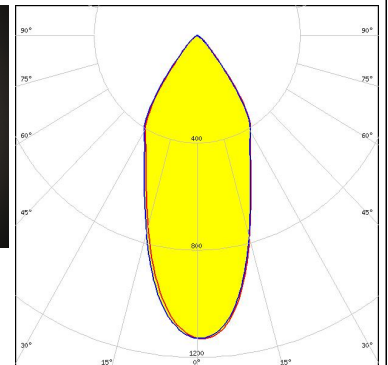
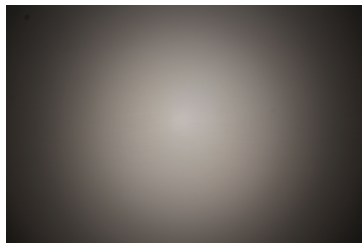
C13584_CLAMP-VERO29
Bender Wirth: 483 Typ L3



LED Vesta TW 18mm (31W) DP
FWHM / FWTM 43.0° / 84.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour Tunable White

Required components:

C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 483 Typ L3



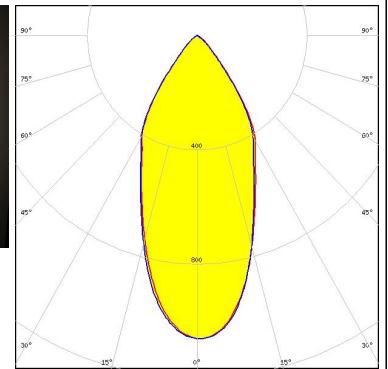
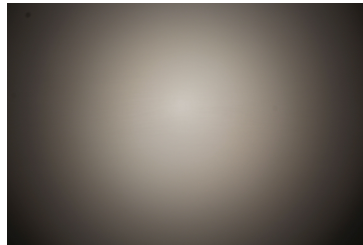
PHOTOMETRIC DATA (MEASURED):



LED Vesta TW 22mm DP
FWHM / FWTM 46.0° / 85.0°
Efficiency 79 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour Tunable White

Required components:

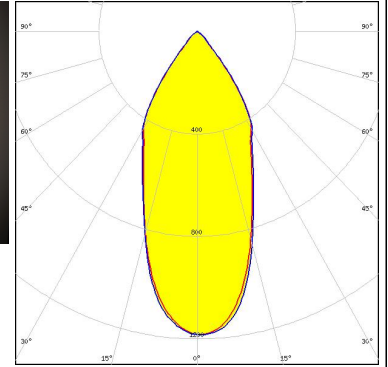
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 494 Typ L3



LED Vesta TW 22mm DP
FWHM / FWTM 44.0° / 83.0°
Efficiency 85 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour Tunable White

Required components:

C13584_CLAMP-VERO29
Bender Wirth: 494 Typ L3

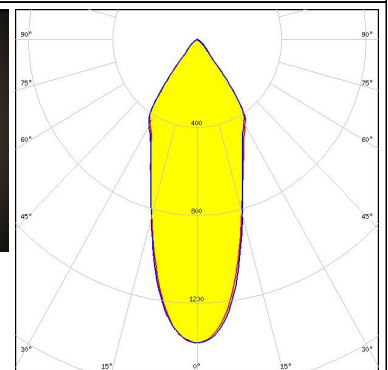
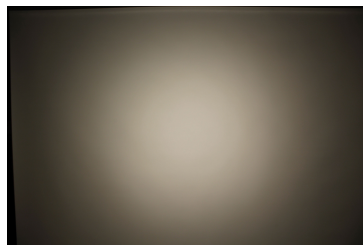


CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 37.0° / 79.0°
Efficiency 86 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C16791_CLAMP-Z45-A
TE Connectivity: 2325807-3

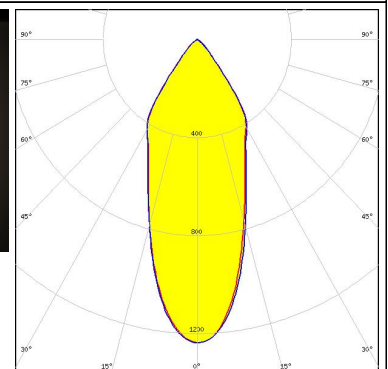
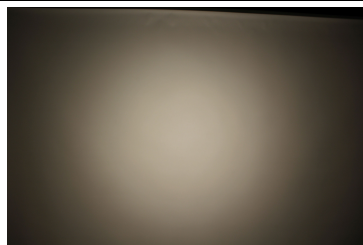


CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 39.0° / 81.0°
Efficiency 82 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

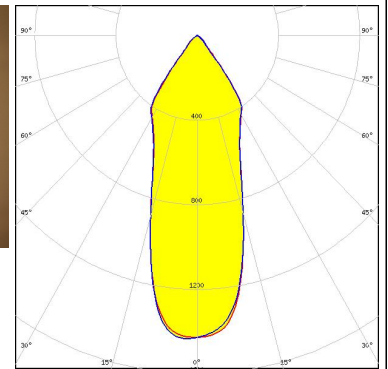
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F13671_ANGE-RZ-LENS
TE Connectivity: 2325807-3



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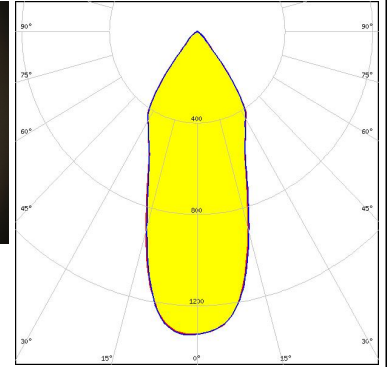
CREE LED

LED CMA1840
FWHM / FWTM 36.0° / 80.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



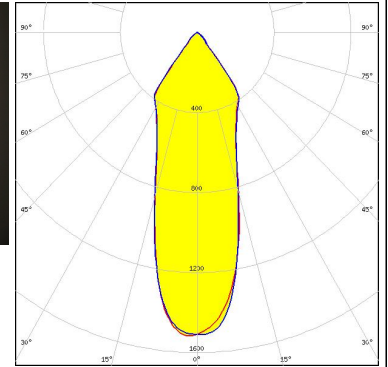
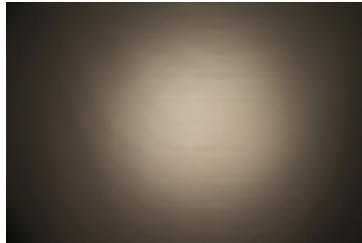
CREE LED

LED CMA2550
FWHM / FWTM 39.0° / 81.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



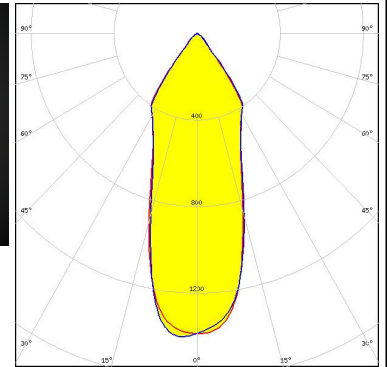
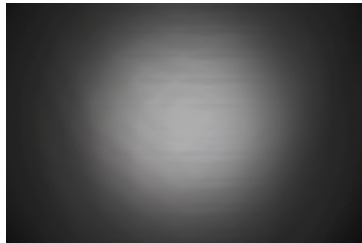
CREE LED

LED CMT14xx
FWHM / FWTM 33.0° / 79.0°
Efficiency 87 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



CREE LED

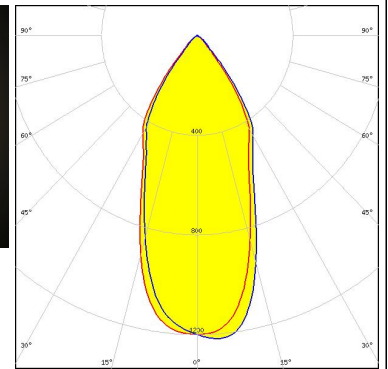
LED CMT19xx
FWHM / FWTM 36.0° / 80.0°
Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



PHOTOMETRIC DATA (MEASURED):

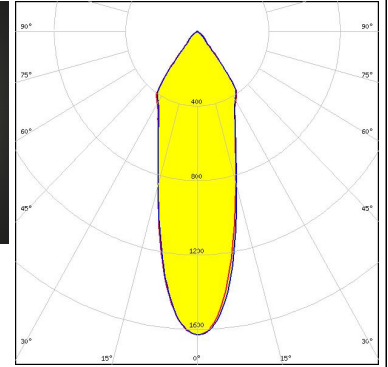
CREE LED

LED CMT28xx
FWHM / FWTM 43.0° / 83.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 471 Typ L3



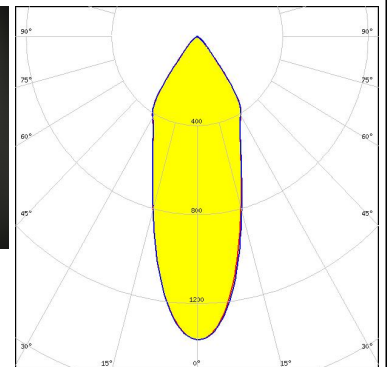
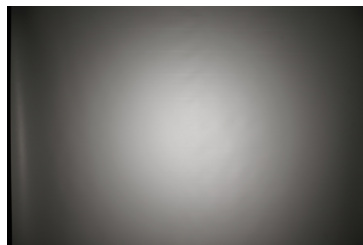
CREE LED

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 31.0° / 79.0°
Efficiency 88 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



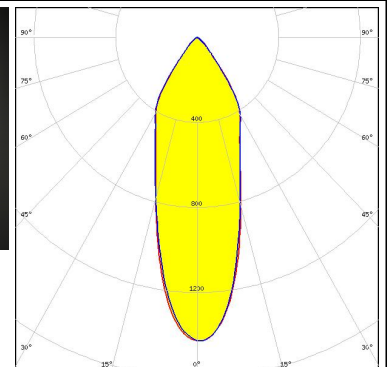
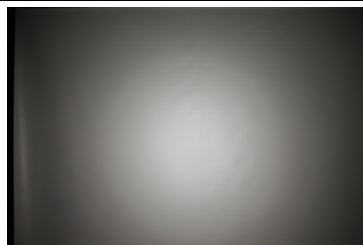
LUMILEDS

LED LUXEON CoB 1204/1205
FWHM / FWTM 35.0° / 80.0°
Efficiency 82 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LUMILEDS

LED LUXEON CoB 1204/1205
FWHM / FWTM 34.0° / 80.0°
Efficiency 83 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15412_ANGELETTE-DL
TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

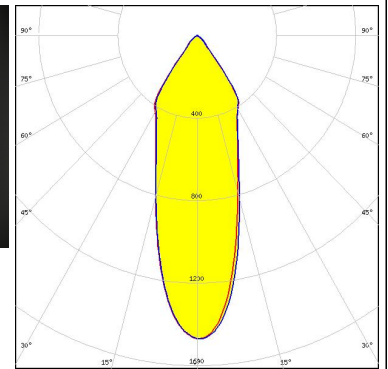
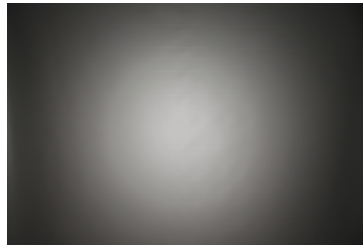


LED LUXEON CoB 1204/1205
 FWHM / FWTM 33.0° / 78.0°
 Efficiency 83 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

F15176_ANGELETTE-LENS

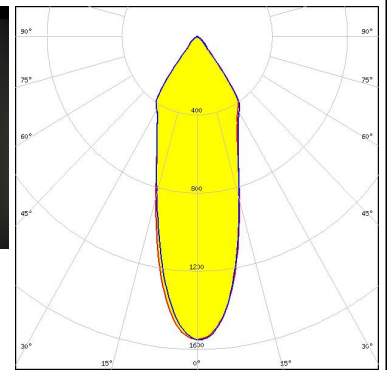
TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1204/1205
 FWHM / FWTM 33.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

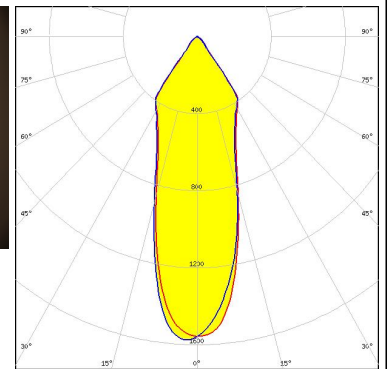
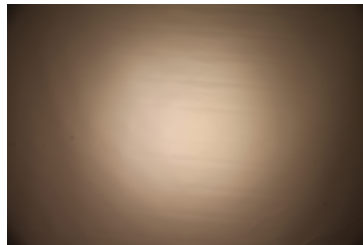
TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1204HD
 FWHM / FWTM 33.0° / 77.0°
 Efficiency 87 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

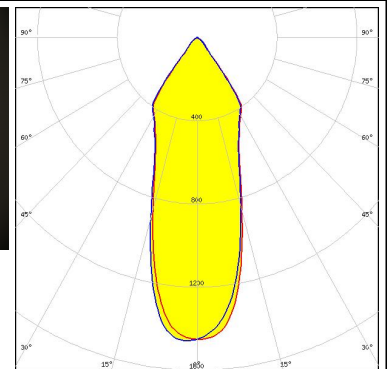
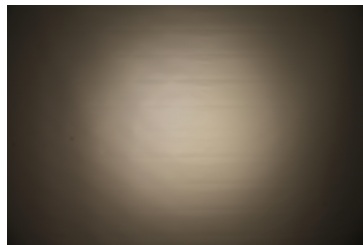
TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1205HD
 FWHM / FWTM 35.0° / 78.0°
 Efficiency 87 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:

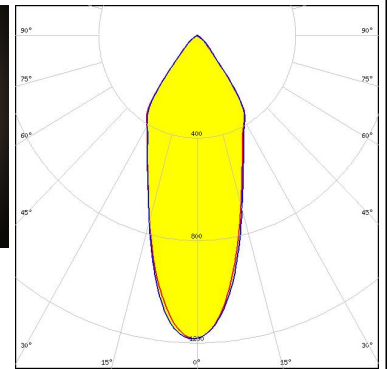
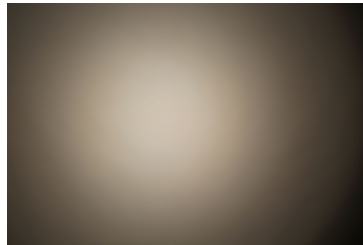
F15858_HEKLA-SOCKET-H



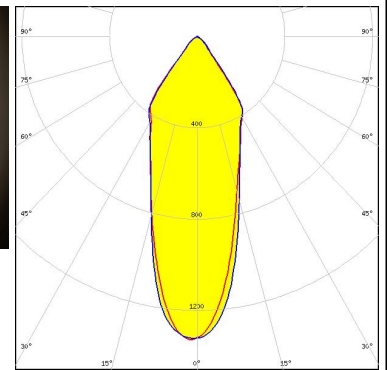
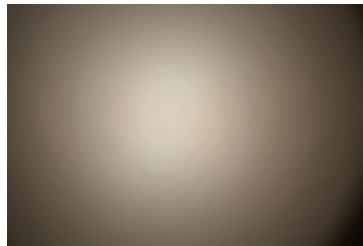
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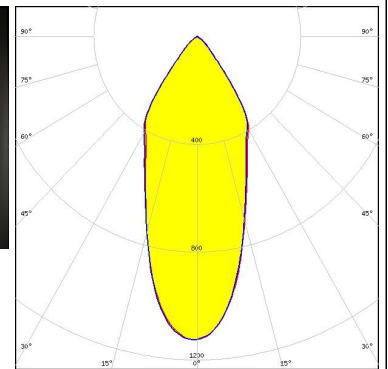
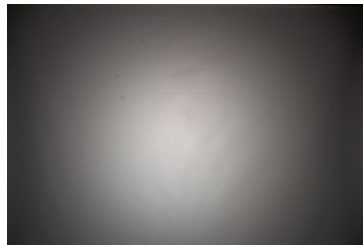
LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 38.0° / 82.0°
 Efficiency 78 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2



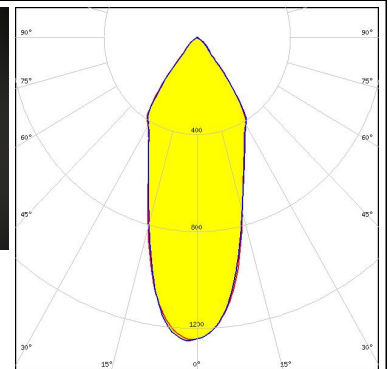
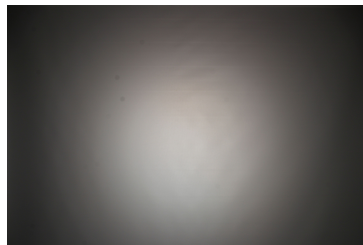
LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 35.0° / 80.0°
 Efficiency 83 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2



LED CDM-18 (Dim-To-Warm)
 FWHM / FWTM 41.0° / 83.0°
 Efficiency 78 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2



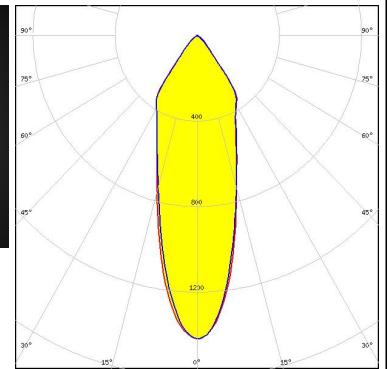
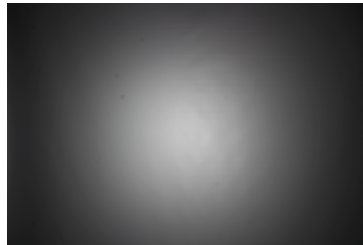
LED CDM-18 (Dim-To-Warm)
 FWHM / FWTM 38.0° / 81.0°
 Efficiency 83 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2



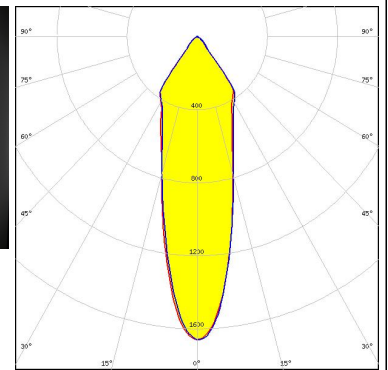
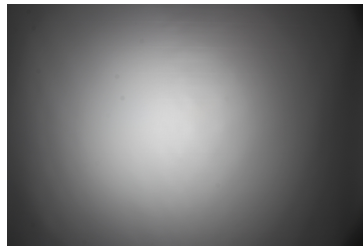
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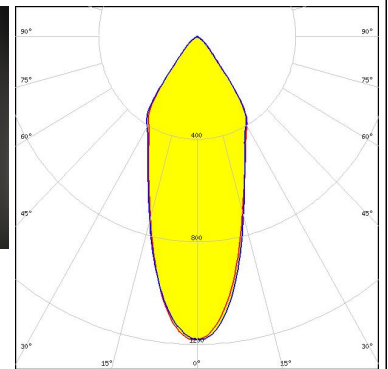
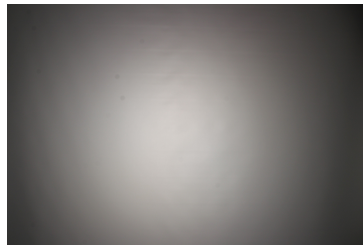
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 32.0° / 79.0°
 Efficiency 80 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 490 Typ L1



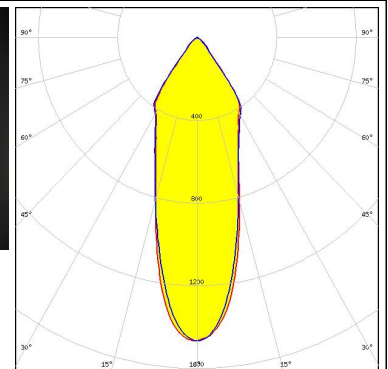
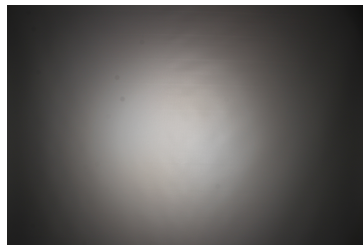
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 28.0° / 77.0°
 Efficiency 84 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 490 Typ L1



LED CTM-14 (Tunable White)
 FWHM / FWTM 39.0° / 82.0°
 Efficiency 79 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 442 Typ L3



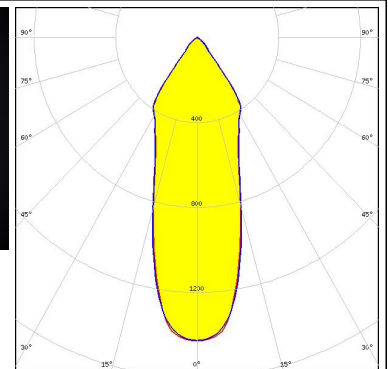
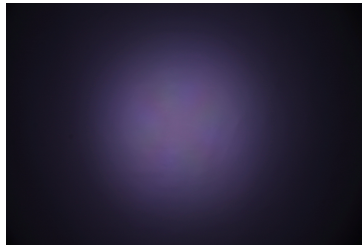
LED CTM-14 (Tunable White)
 FWHM / FWTM 33.0° / 79.0°
 Efficiency 85 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 442 Typ L3



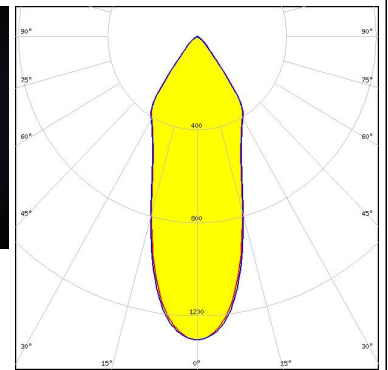
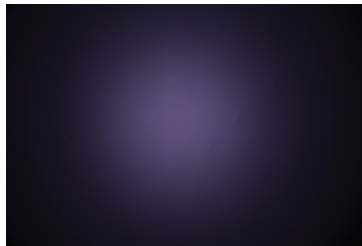
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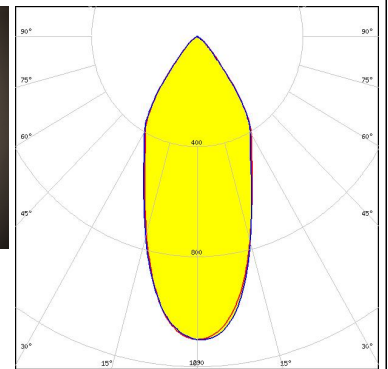
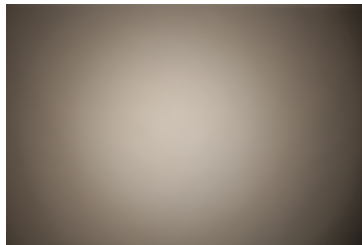
LED CTM-14 RGBW
 FWHM / FWTM 34.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour RGBW
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 500 Typ L3-1



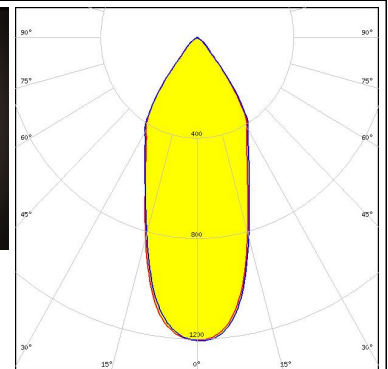
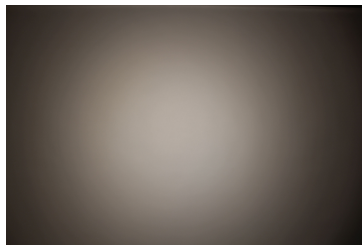
LED CTM-14 RGBW
 FWHM / FWTM 36.0° / 80.0°
 Efficiency 82 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour RGBW
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 500 Typ L3-1



LED CTM-22 (Tunable White)
 FWHM / FWTM 43.0° / 84.0°
 Efficiency 79 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 494 Typ L3



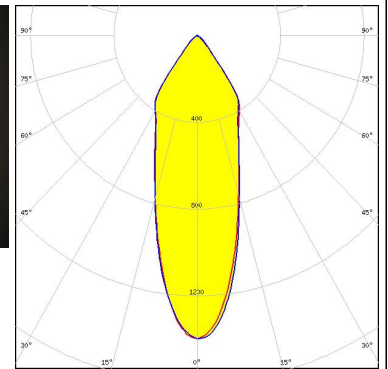
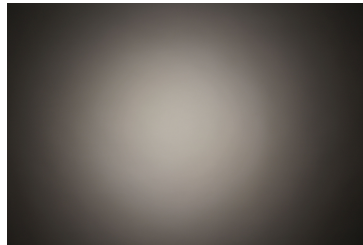
LED CTM-22 (Tunable White)
 FWHM / FWTM 42.0° / 83.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3



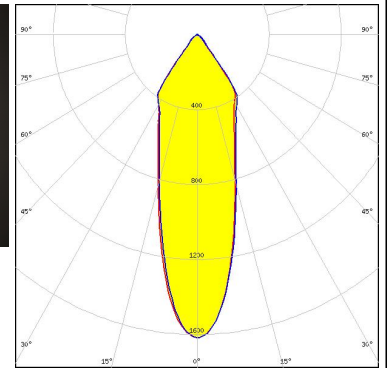
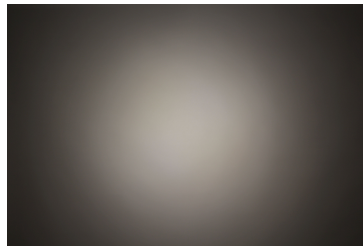
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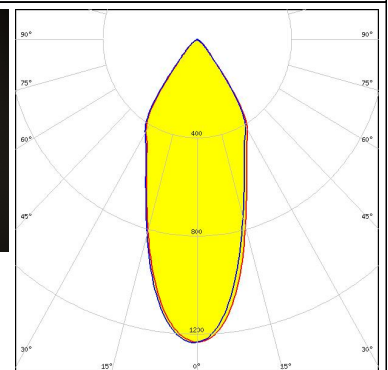
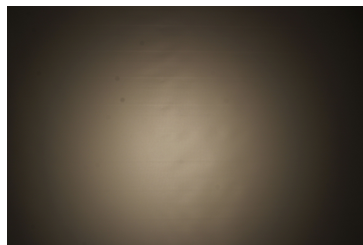
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 34.0° / 80.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 498 Typ L2



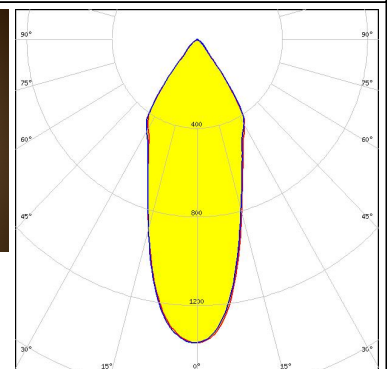
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 31.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 498 Typ L2



LED PrevaLED Core G7 L15 H1
 FWHM / FWTM 40.0° / 81.0°
 Efficiency 82 %
 Peak intensity 1.2 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 / FWTM 38.0° / 79.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16685_CLAMP-PRV-A



PHOTOMETRIC DATA (MEASURED):

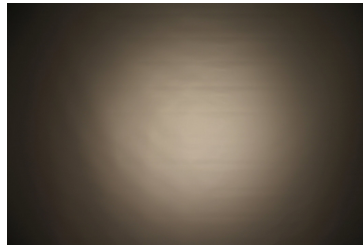
PHILIPS

LED Fortimo SLM L13 CoB
FWHM / FWTM 38.0° / 81.0°
Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F13671_ANGE-RZ-LENS

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

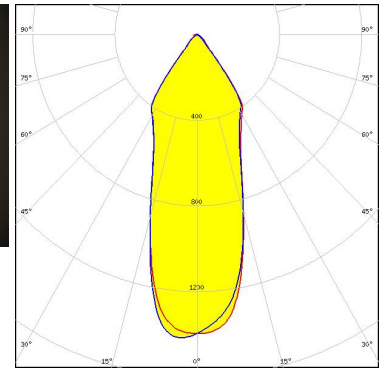
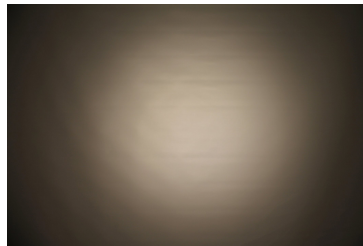


PHILIPS

LED Fortimo SLM L13 CoB
FWHM / FWTM 36.0° / 79.0°
Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

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

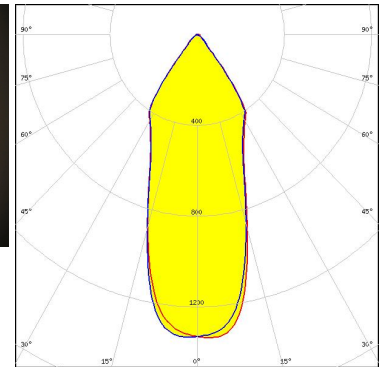
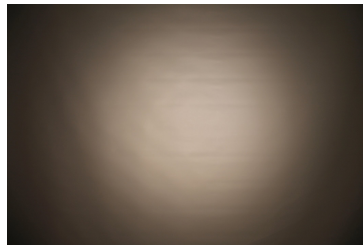


PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 38.0° / 80.0°
Efficiency 87 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

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



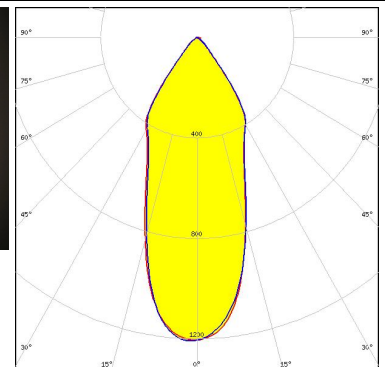
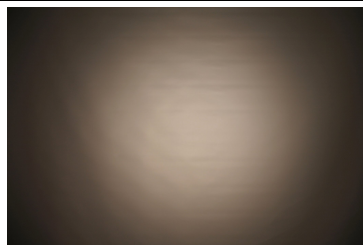
PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 39.0° / 82.0°
Efficiency 82 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F13671_ANGE-RZ-LENS

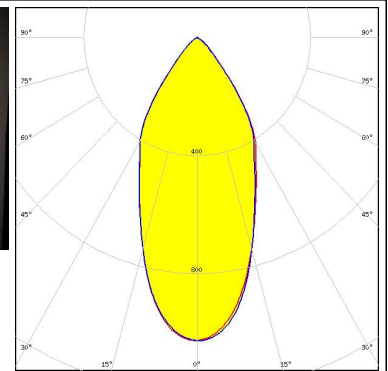
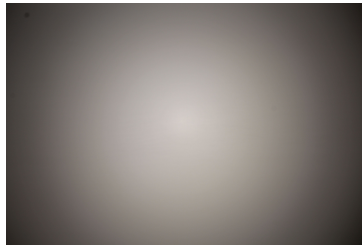
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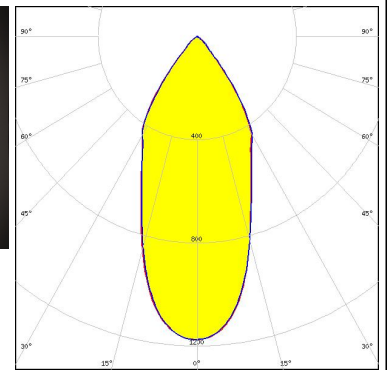
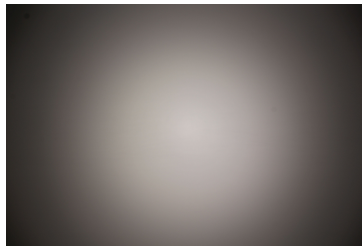
SAMSUNG

LED LC035T (Tunable white)
 FWHM / FWTM 47.0° / 86.0°
 Efficiency 79 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 502 Typ L3



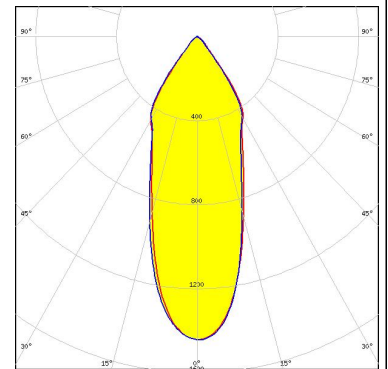
SAMSUNG

LED LC035T (Tunable white)
 FWHM / FWTM 44.0° / 83.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 502 Typ L3



XICATO

LED XTM - 19mm LES
 FWHM / FWTM 37.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16491_XTM-ADAPTER-50-A



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.

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