

ANGELETTE-M

~50° medium beam

SPECIFICATION:

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

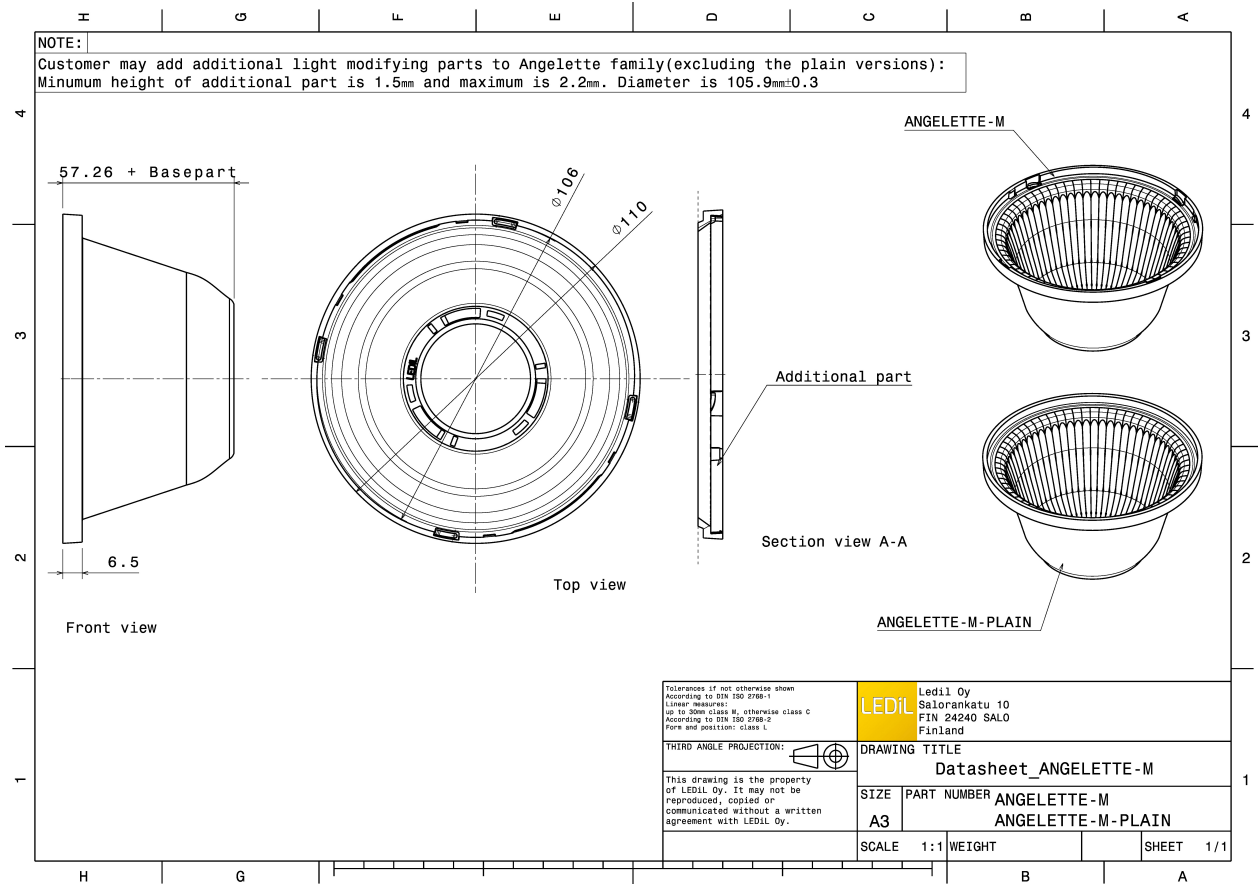
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ANGELETTE-M	Reflector	PC	metal		HMDS



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14533_ANGELETTE-M » Box size: 398 x 298 x 265 mm	160	80	40	7.0



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

OPTICAL RESULTS (MEASURED):



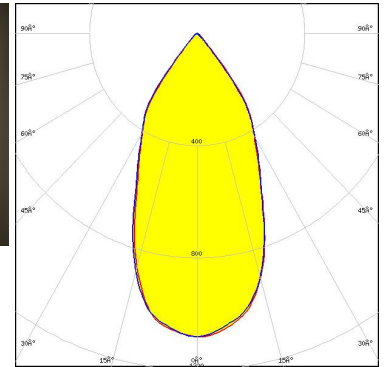
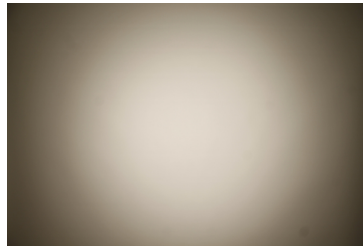
LED V10 Gen7
FWHM / FWTM 49.0° / 82.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13658_CLAMP-VERO13-18

F13671_ANGE-RZ-LENS

Bender Wirth: 434 Typ L1



Light distribution files

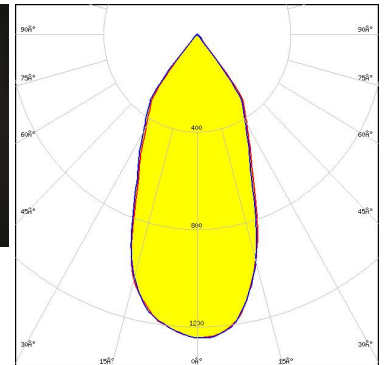
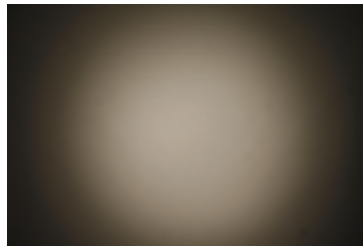


LED V10 Gen7
FWHM / FWTM 46.0° / 79.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1



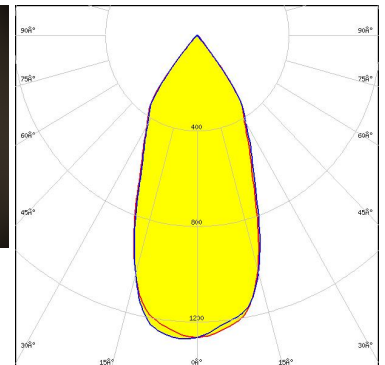
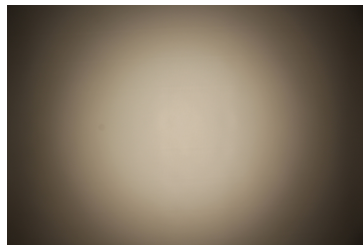
Light distribution files



LED V13 Gen7
FWHM / FWTM 46.0° / 79.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

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



Light distribution files

OPTICAL RESULTS (MEASURED):

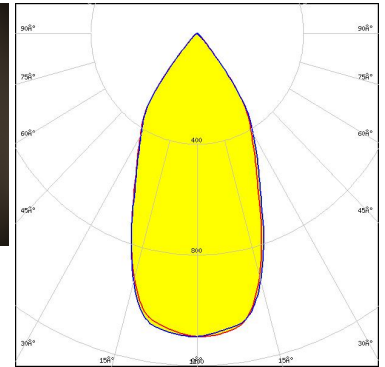
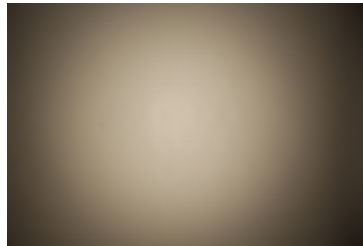


LED V13 Gen7
FWHM / FWTM 49.0° / 82.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

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



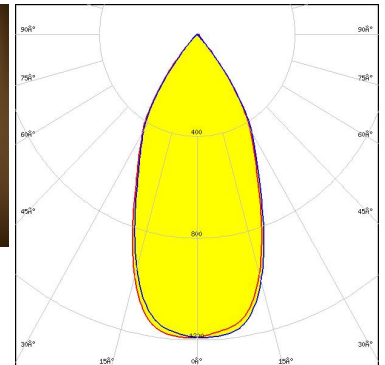
Light distribution files



LED V22 Gen6
FWHM / FWTM 49.0° / 80.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

IDEAL: 50-2204-CT + 50-2100AN



Light distribution files

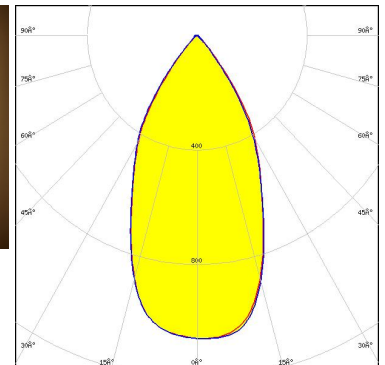
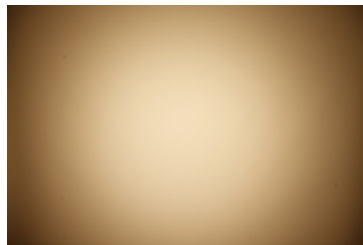


LED V22 Gen6
FWHM / FWTM 51.0° / 82.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

IDEAL: 50-2204-CT + 50-2100AN

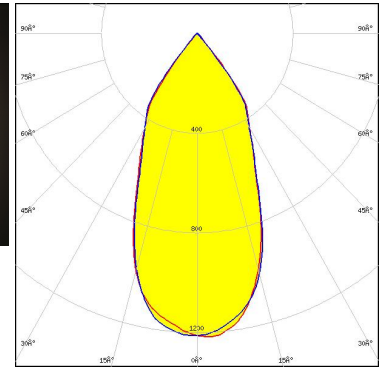
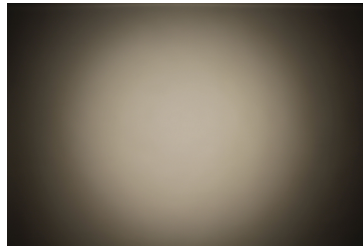


Light distribution files

OPTICAL RESULTS (MEASURED):



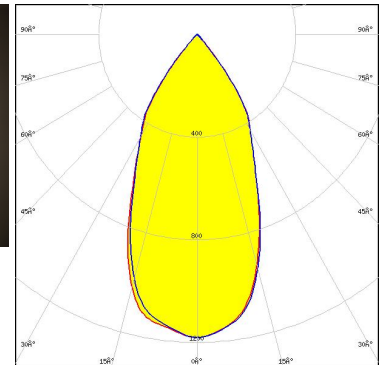
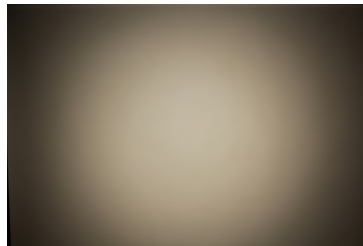
LED Vero SE 13
FWHM / FWTM 47.0° / 80.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C16402_CLAMP-VEROSE-13-18



Light distribution files



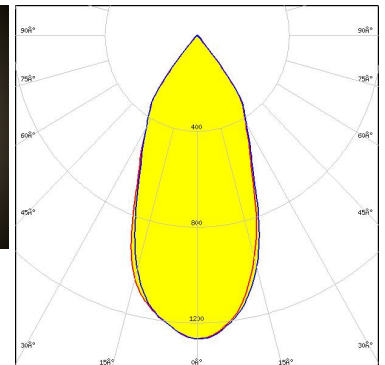
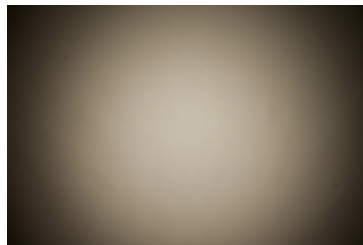
LED Vero SE 18
FWHM / FWTM 49.0° / 81.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C16402_CLAMP-VEROSE-13-18



Light distribution files



LED VERO13
FWHM / FWTM 46.0° / 80.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13658_CLAMP-VERO13-18

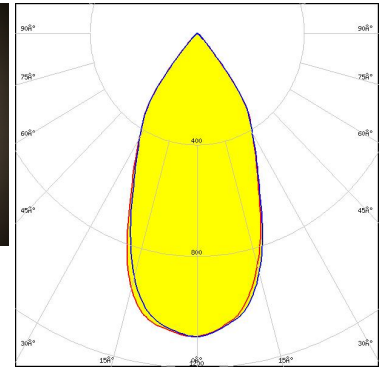
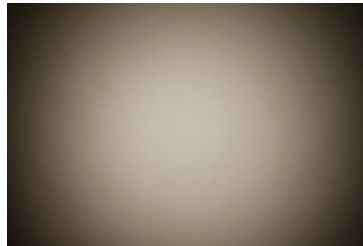


Light distribution files

OPTICAL RESULTS (MEASURED):



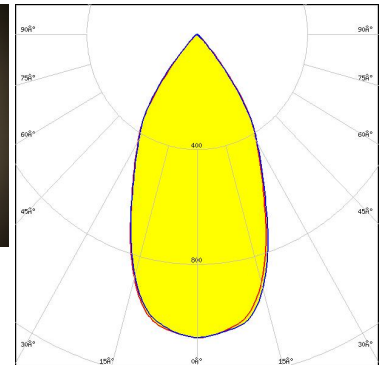
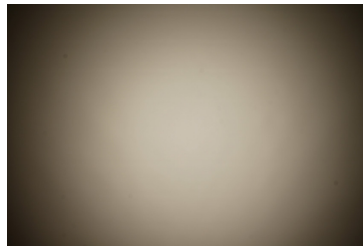
LED VERO13
 FWHM / FWTM 50.0° / 82.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS



Light distribution files



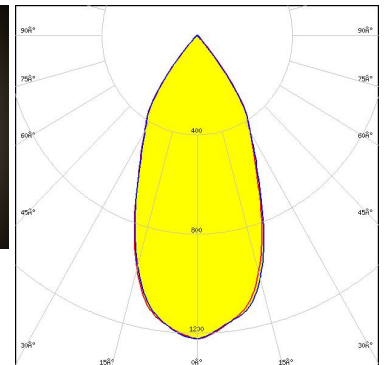
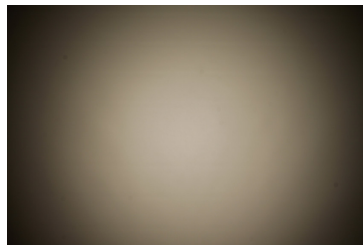
LED VERO18
 FWHM / FWTM 52.0° / 83.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS



Light distribution files



LED VERO18
 FWHM / FWTM 48.0° / 81.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18

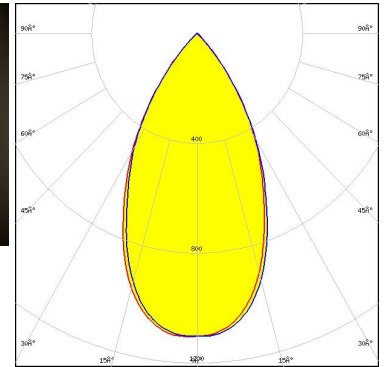
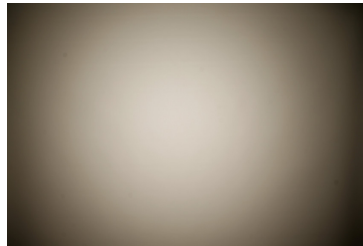


Light distribution files

OPTICAL RESULTS (MEASURED):



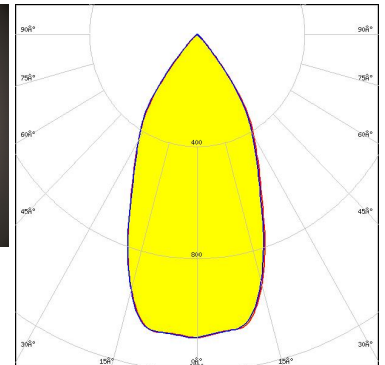
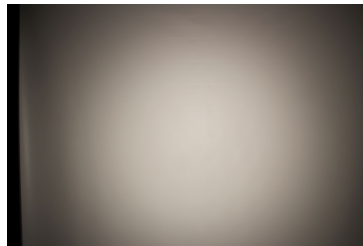
LED VERO29
FWHM / FWTM 54.0° / 84.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13584_CLAMP-VERO29



Light distribution files



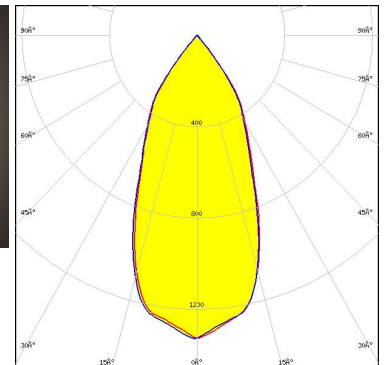
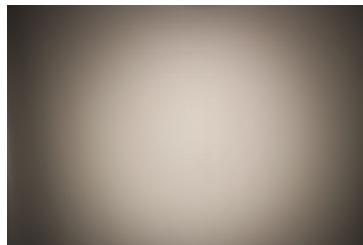
LED Vesta TW 15mm DP
FWHM / FWTM 51.0° / 83.0°
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C13658_CLAMP-VERO13-18
F13671_ANGE-RZ-LENS
Bender Wirth: 482 Typ L2



Light distribution files



LED Vesta TW 15mm DP
FWHM / FWTM 46.0° / 80.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 482 Typ L2

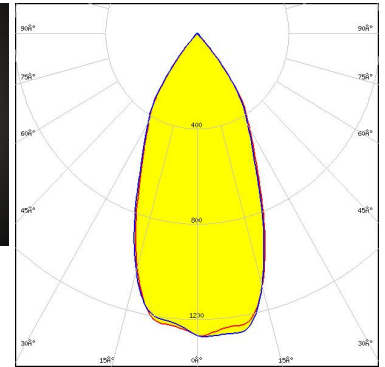
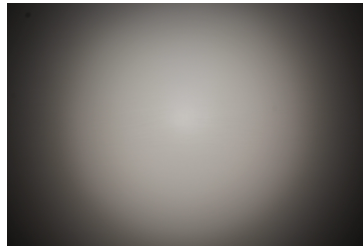


Light distribution files

OPTICAL RESULTS (MEASURED):



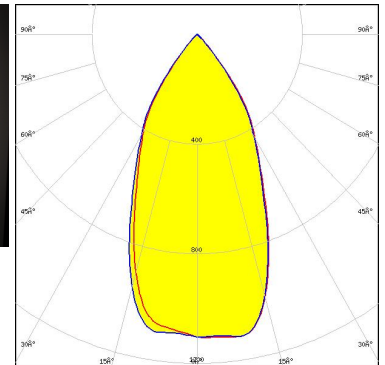
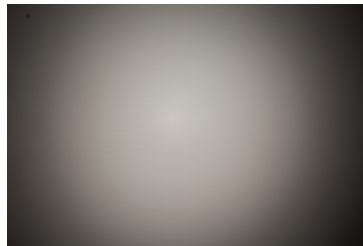
LED Vesta TW 18mm (31W) DP
 FWHM / FWTM 47.0° / 80.0°
 Efficiency 90 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 483 Typ L3



Light distribution files



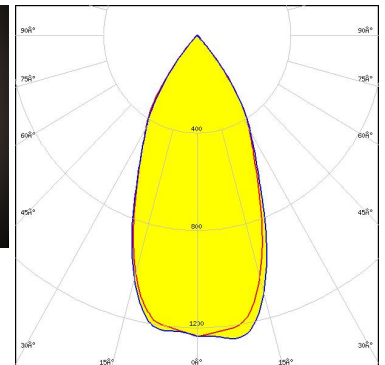
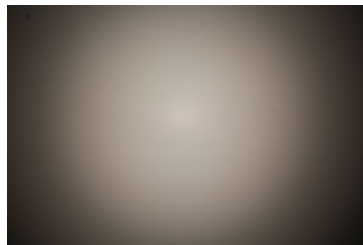
LED Vesta TW 18mm (31W) DP
 FWHM / FWTM 50.0° / 82.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 483 Typ L3



Light distribution files



LED Vesta TW 22mm DP
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 90 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3



Light distribution files

OPTICAL RESULTS (MEASURED):



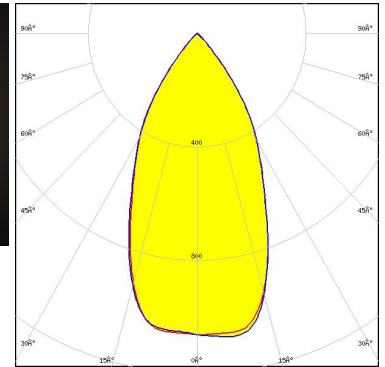
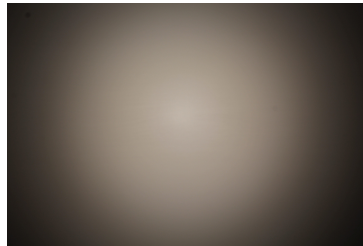
LED Vesta TW 22mm DP
FWHM / FWTM 52.0° / 83.0°
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White

Required components:

C13584_CLAMP-VERO29

F13671_ANGE-RZ-LENS

Bender Wirth: 494 Typ L3



Light distribution files

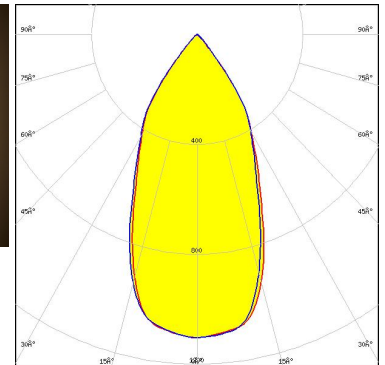
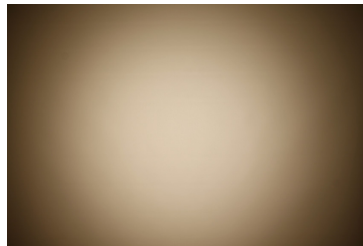
CITIZEN

LED CLU03x
FWHM / FWTM 49.0° / 81.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

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



Light distribution files

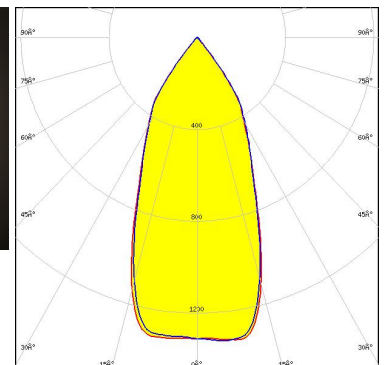
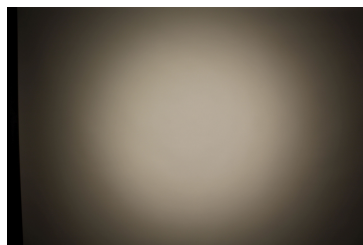
CITIZEN

LED CLU03x
FWHM / FWTM 46.0° / 79.0°
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C16791_CLAMP-Z45-A

TE Connectivity: 2325807-3

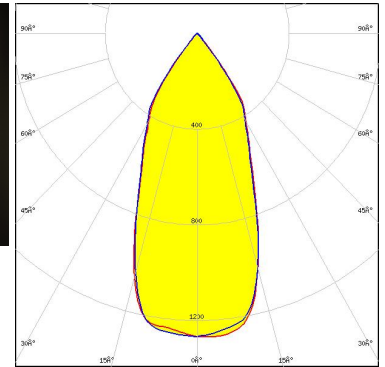
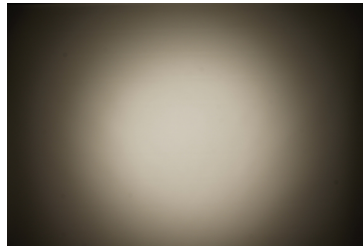


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

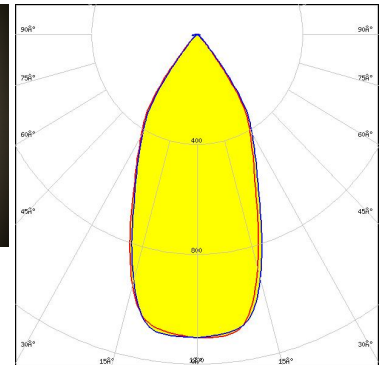
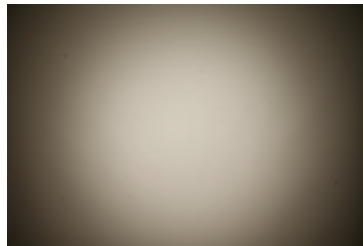
LED CLU03x
FWHM / FWTM 45.0° / 78.0°
Efficiency 87 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
IDEAL: 50-2103CT + 50-2100AN



Light distribution files

CITIZEN

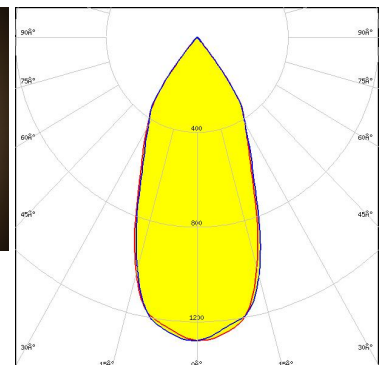
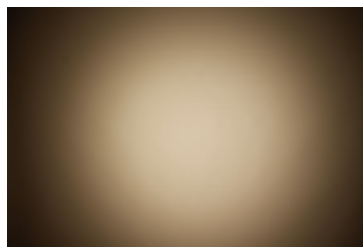
LED CLU03x
FWHM / FWTM 49.0° / 80.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
IDEAL: 50-2103CT + 50-2100AN



Light distribution files

CITIZEN

LED CLU03x
FWHM / FWTM 45.0° / 79.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1

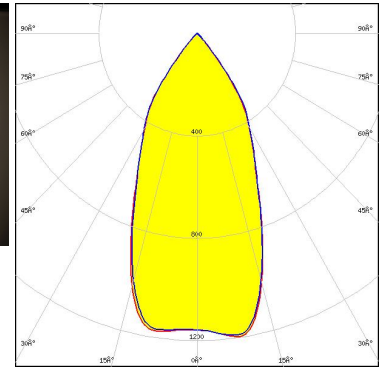


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

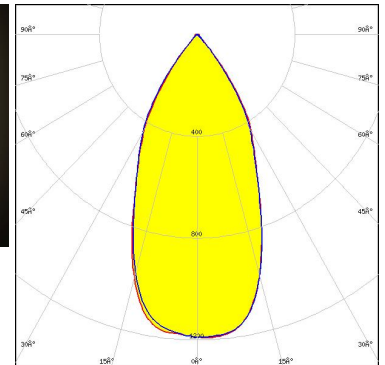
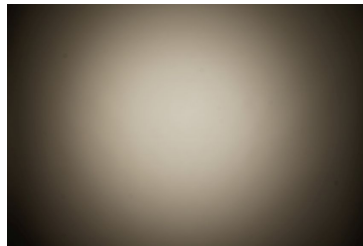
LED CLU03x
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16791_CLAMP-Z45-A
 F13671_ANGE-RZ-LENS
 TE Connectivity: 2325807-3



Light distribution files

CITIZEN

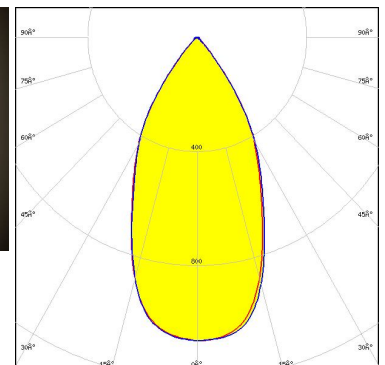
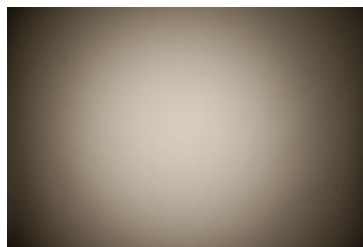
LED CLU04x
 FWHM / FWTM 49.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



Light distribution files

CITIZEN

LED CLU04x
 FWHM / FWTM 51.0° / 82.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN

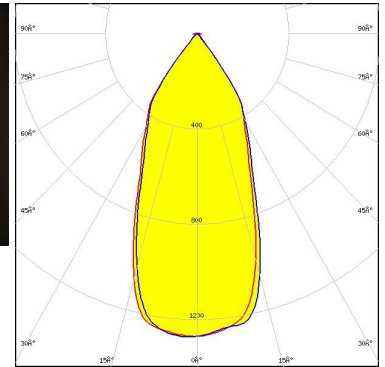
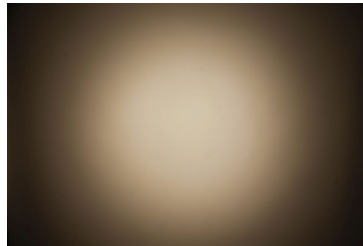


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

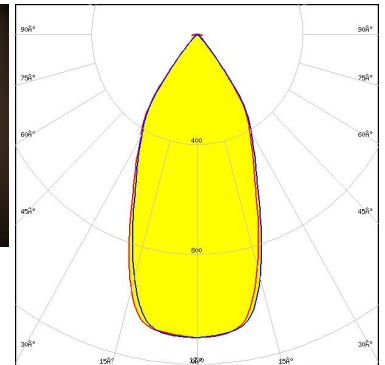
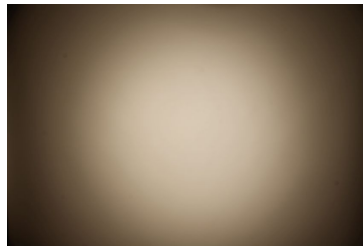
LED CLU730/731/733
 FWHM / FWTM 45.0° / 78.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



Light distribution files

CITIZEN

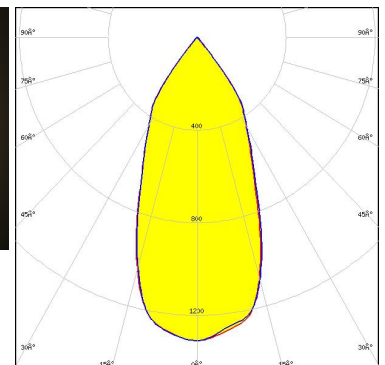
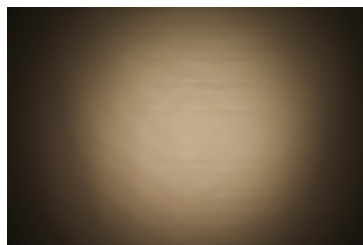
LED CLU730/731/733
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



Light distribution files



LED CMA1840
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 90 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14123_CLAMP-CXA15-18

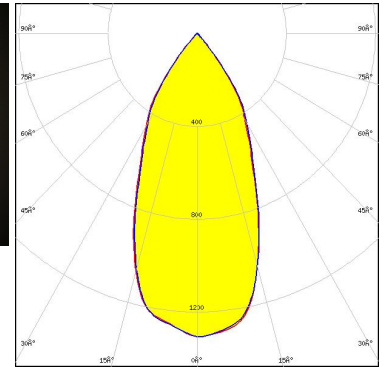
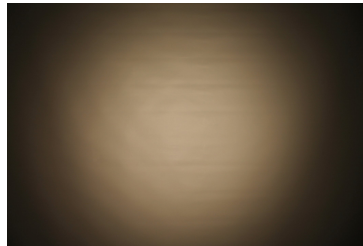


Light distribution files

OPTICAL RESULTS (MEASURED):



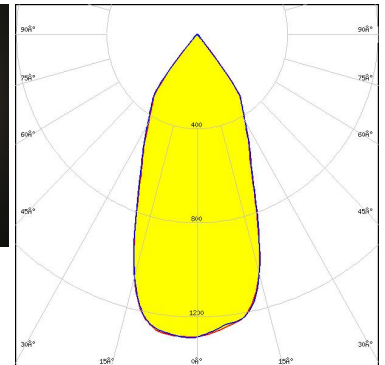
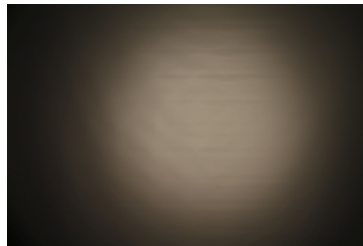
LED CMA2550
FWHM / FWTM 46.0° / 80.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14036_CLAMP_CXA25-30



Light distribution files



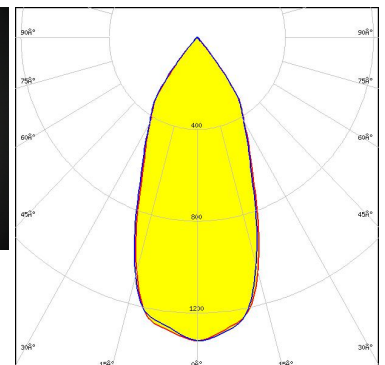
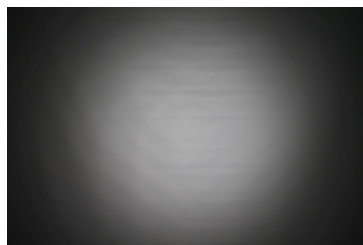
LED CMT14xx
FWHM / FWTM 45.0° / 80.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



Light distribution files



LED CMT19xx
FWHM / FWTM 44.0° / 79.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1

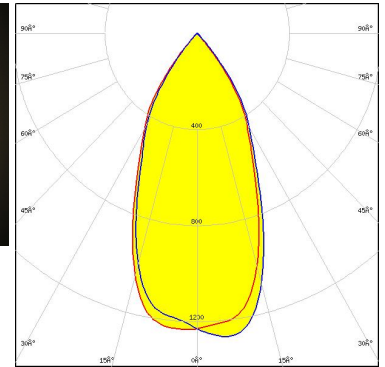
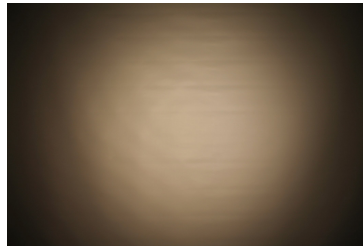


Light distribution files

OPTICAL RESULTS (MEASURED):



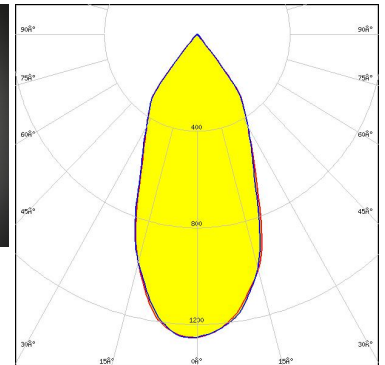
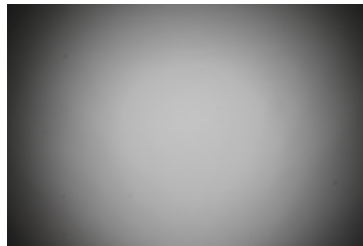
LED CMT28xx
FWHM / FWTM 48.0° / 81.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 471 Typ L3



Light distribution files



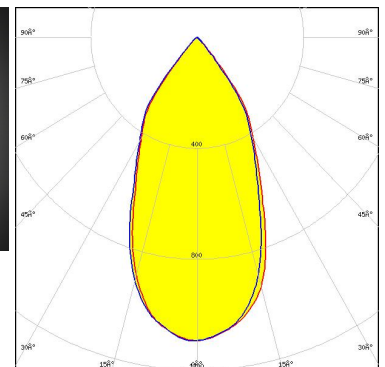
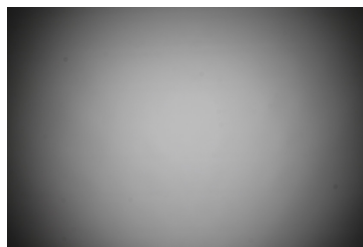
LED CXA/B 15xx
FWHM / FWTM 46.0° / 80.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14123_CLAMP-CXA15-18



Light distribution files



LED CXA/B 15xx
FWHM / FWTM 50.0° / 82.0°
Efficiency 85 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14123_CLAMP-CXA15-18
F13671_ANGE-RZ-LENS

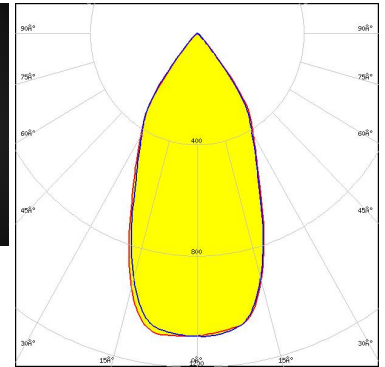
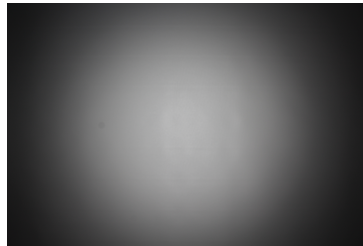


Light distribution files

OPTICAL RESULTS (MEASURED):



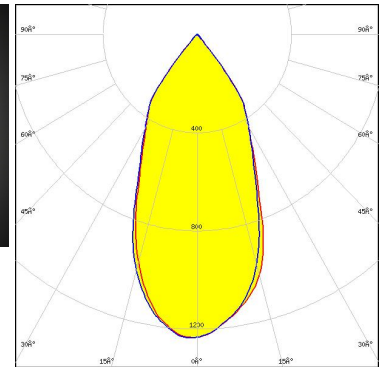
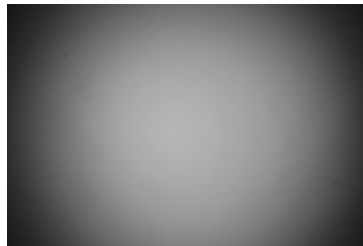
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 49.0° / 82.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files



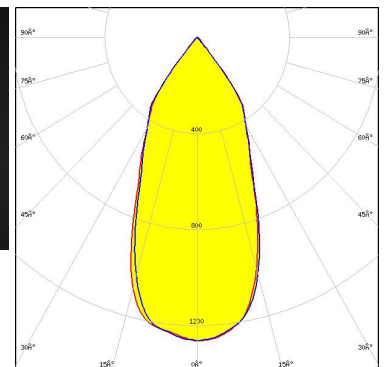
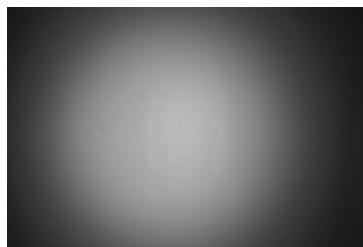
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 47.0° / 80.0°
 Efficiency 89 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14123_CLAMP-CXA15-18



Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1

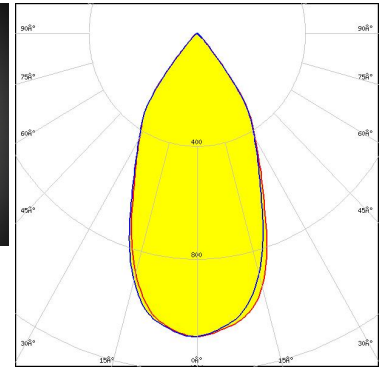
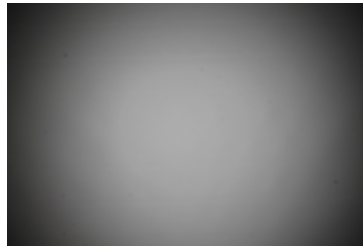


Light distribution files

OPTICAL RESULTS (MEASURED):



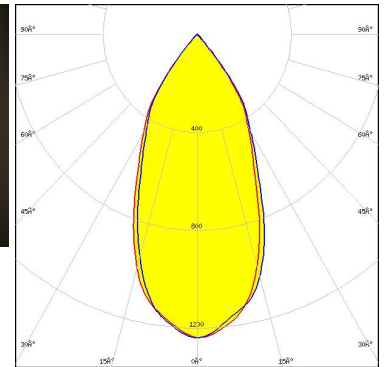
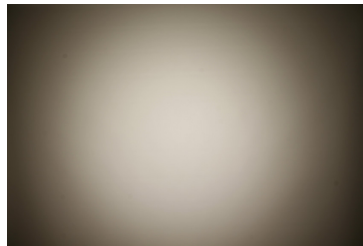
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 51.0° / 83.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14123_CLAMP-CXA15-18
 F13671_ANGE-RZ-LENS



Light distribution files



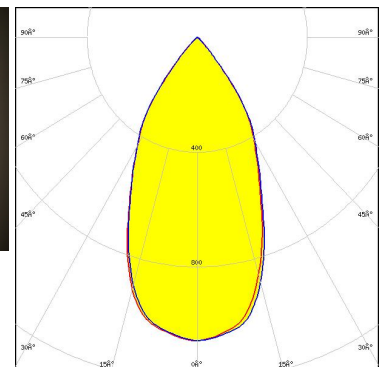
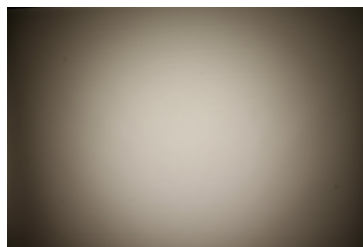
LED CXA/B 25xx
 FWHM / FWTM 47.0° / 81.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14036_CLAMP_CXA25-30



Light distribution files



LED CXA/B 25xx
 FWHM / FWTM 52.0° / 83.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14036_CLAMP_CXA25-30
 F13671_ANGE-RZ-LENS

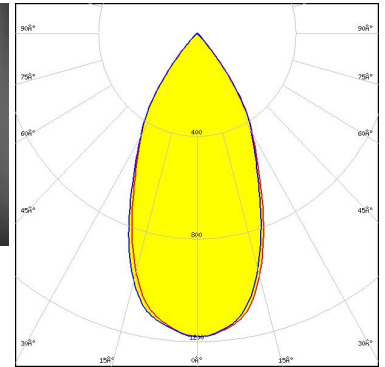
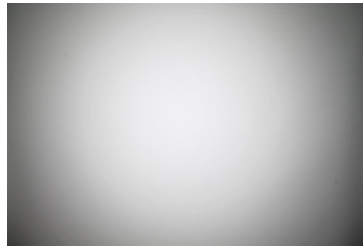


Light distribution files

OPTICAL RESULTS (MEASURED):



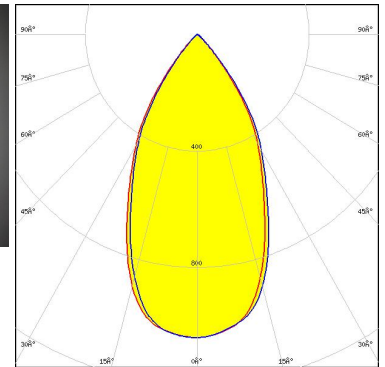
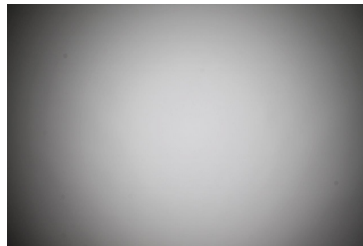
LED CXA/B 30xx
FWHM / FWTM 50.0° / 82.0°
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14036_CLAMP_CXA25-30



Light distribution files



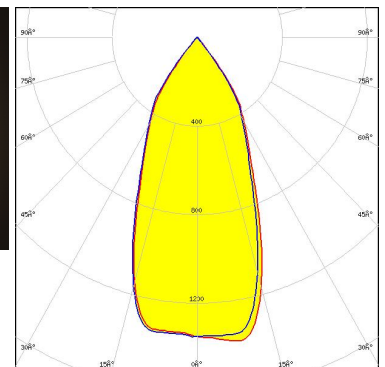
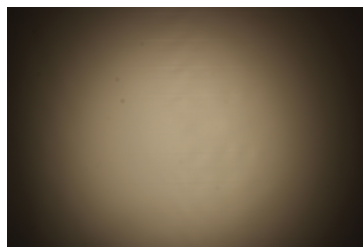
LED CXA/B 30xx
FWHM / FWTM 53.0° / 84.0°
Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14036_CLAMP_CXA25-30
F13671_ANGE-RZ-LENS



Light distribution files



LED PrevaLED Core G7 L15 H1
FWHM / FWTM 45.0° / 78.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C16685_CLAMP-PRV-A

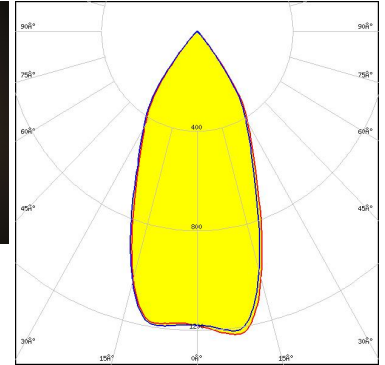


Light distribution files

OPTICAL RESULTS (MEASURED):

inventronics

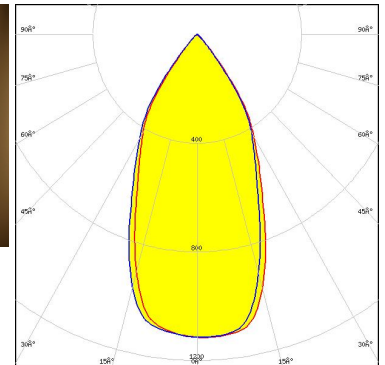
LED PrevaLED Core G7 L15 H1
 FWHM / FWTM 47.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16685_CLAMP-PRV-A
 F13671_ANGE-RZ-LENS



Light distribution files

inventronics

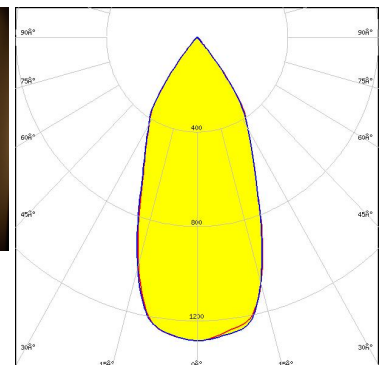
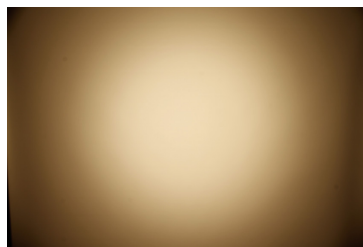
LED PrevaLED Core Z4 LES19
 FWHM / FWTM 49.0° / 81.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: 2213130-2



Light distribution files

inventronics

LED PrevaLED Core Z4 LES19
 FWHM / FWTM 46.0° / 79.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

OPTICAL RESULTS (MEASURED):

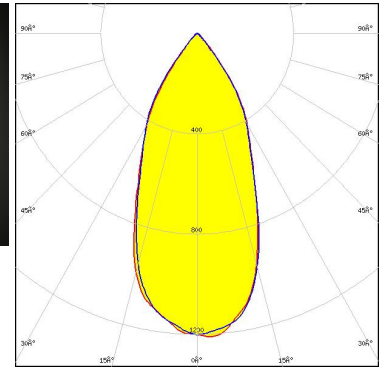
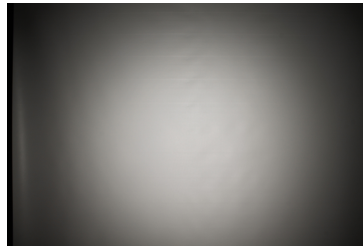


LED LUXEON CoB 1204/1205
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

F15412_ANGELETTE-DL

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



Light distribution files

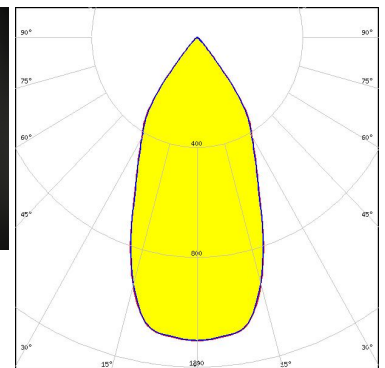
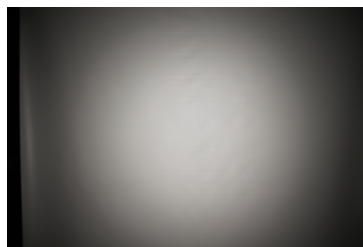


LED LUXEON CoB 1204/1205
 FWHM / FWTM 49.0° / 81.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

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



Light distribution files

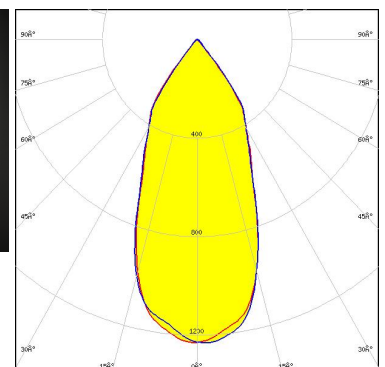
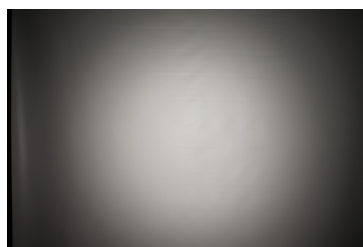


LED LUXEON CoB 1204/1205
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

F15176_ANGELETTE-LENS

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



Light distribution files

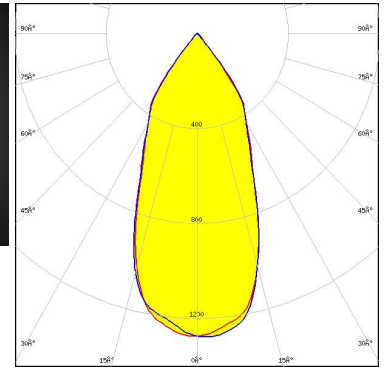
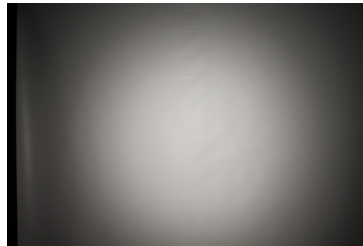
OPTICAL RESULTS (MEASURED):



LED LUXEON CoB 1204/1205
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

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



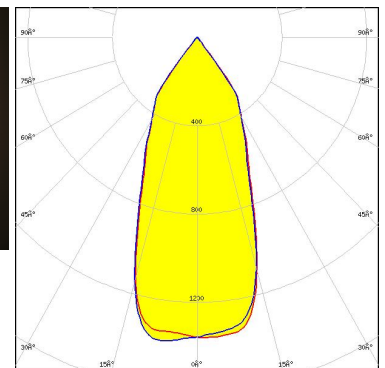
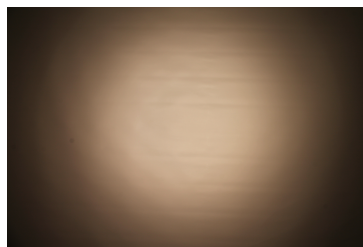
Light distribution files



LED LUXEON CoB 1204HD
 FWHM / FWTM 43.0° / 78.0°
 Efficiency 89 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

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



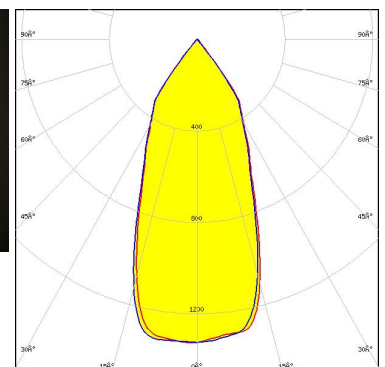
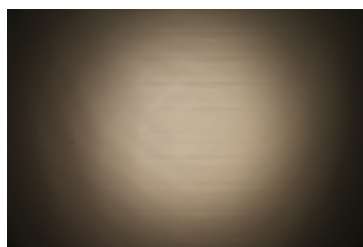
Light distribution files



LED LUXEON CoB 1205HD
 FWHM / FWTM 44.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

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

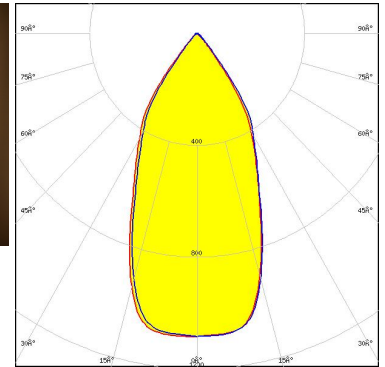
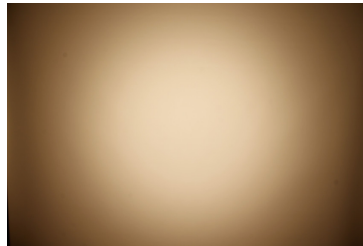


Light distribution files

OPTICAL RESULTS (MEASURED):



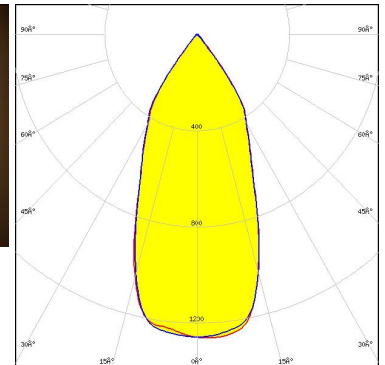
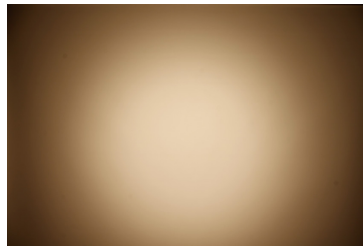
LED LUXEON CoB 1208
 FWHM / FWTM 49.0° / 80.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2100SH + 50-2100AN



Light distribution files



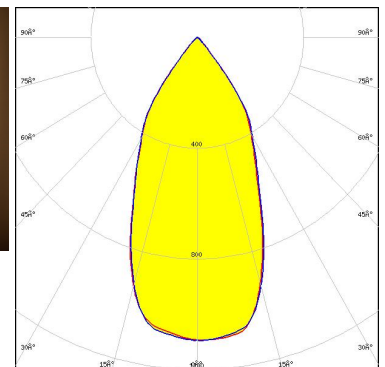
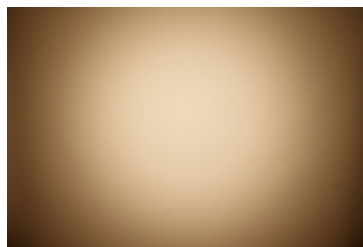
LED LUXEON CoB 1208
 FWHM / FWTM 45.0° / 78.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



Light distribution files



LED LUXEON CoB 1208
 FWHM / FWTM 49.0° / 81.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

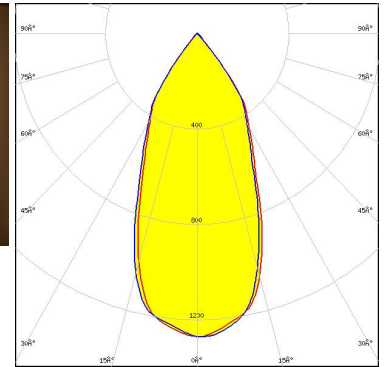
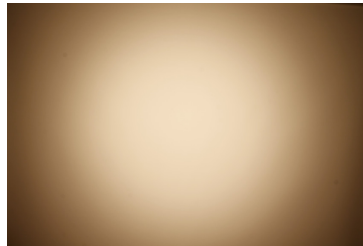
OPTICAL RESULTS (MEASURED):



LED LUXEON CoB 1208
 FWHM / FWTM 46.0° / 79.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

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



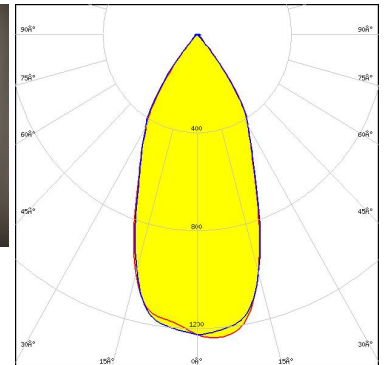
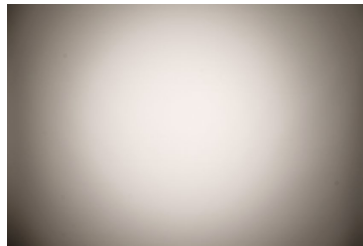
Light distribution files



LED LUXEON CoB 1211
 FWHM / FWTM 47.0° / 79.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

IDEAL: 50-2204-CT + 50-2100AN



Light distribution files

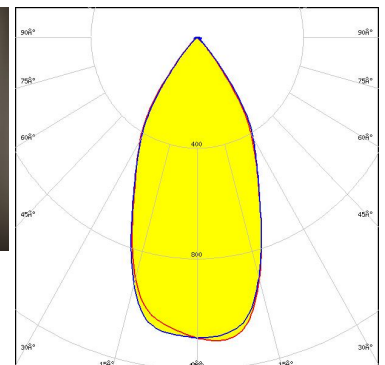
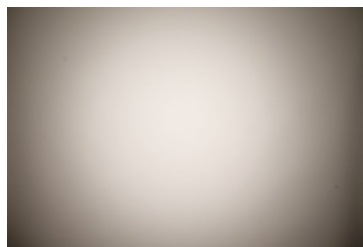


LED LUXEON CoB 1211
 FWHM / FWTM 50.0° / 81.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

IDEAL: 50-2204-CT + 50-2100AN

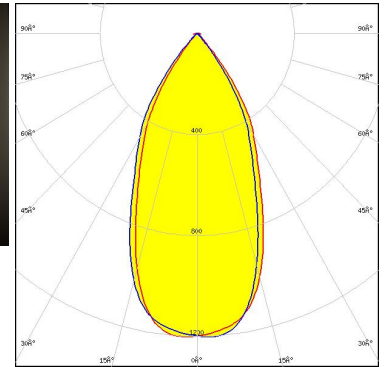


Light distribution files

OPTICAL RESULTS (MEASURED):



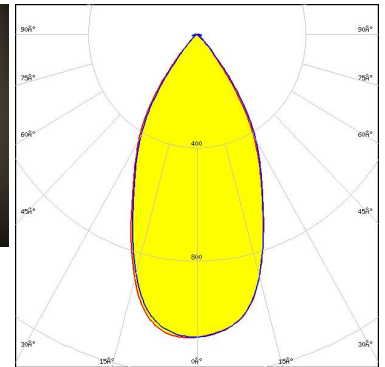
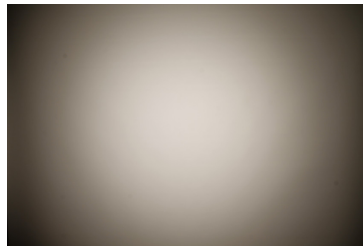
LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



Light distribution files



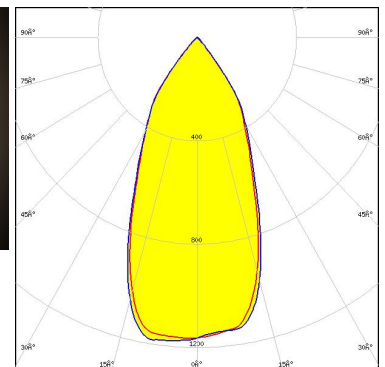
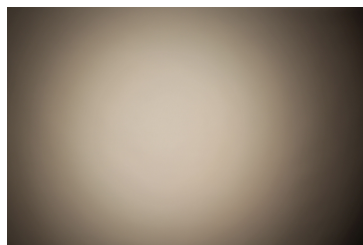
LED LUXEON CoB 1213/1216/1812
 FWHM / FWTM 51.0° / 82.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



Light distribution files



LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 47.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2

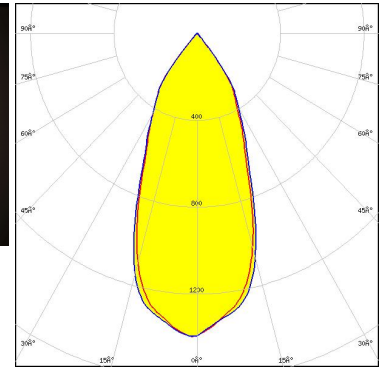
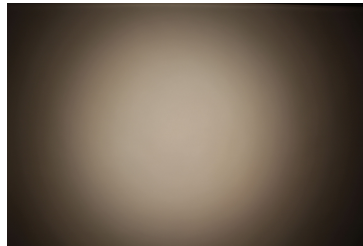


Light distribution files

OPTICAL RESULTS (MEASURED):



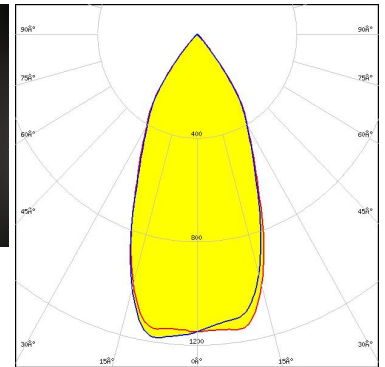
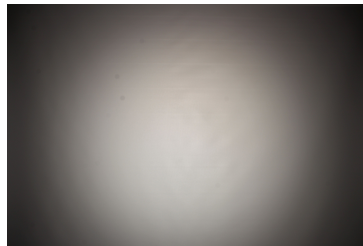
LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 43.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2



Light distribution files



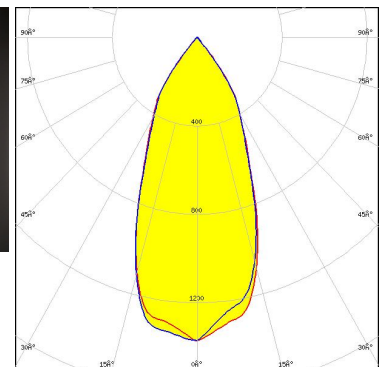
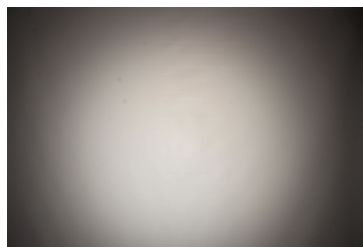
LED CDM-18 (Dim-To-Warm)
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2



Light distribution files



LED CDM-18 (Dim-To-Warm)
 FWHM / FWTM 44.0° / 78.0°
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2

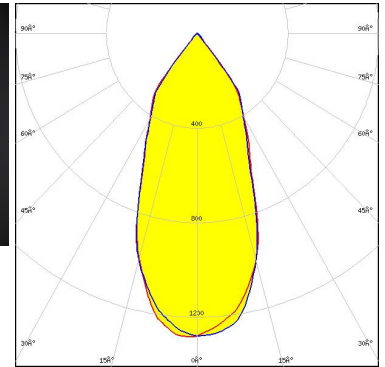
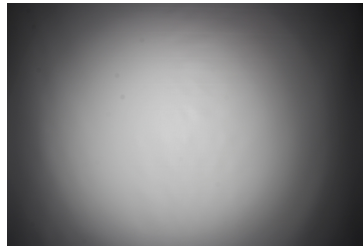


Light distribution files

OPTICAL RESULTS (MEASURED):



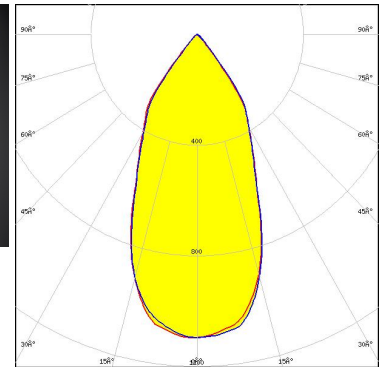
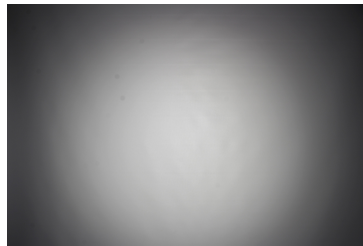
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 44.0° / 79.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 490 Typ L1



Light distribution files



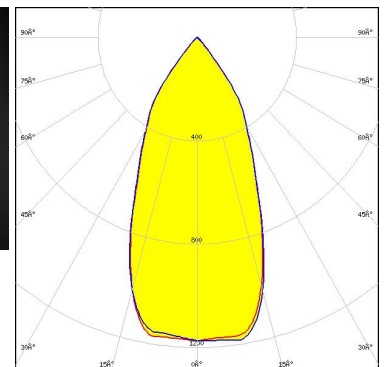
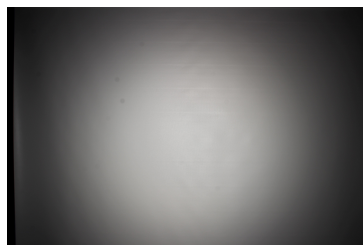
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 48.0° / 81.0°
 Efficiency 82 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 490 Typ L1



Light distribution files



LED CTM-14 (Tunable White)
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 442 Typ L3

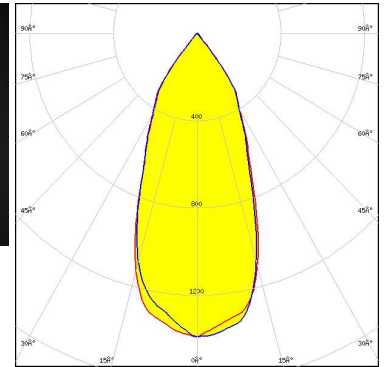
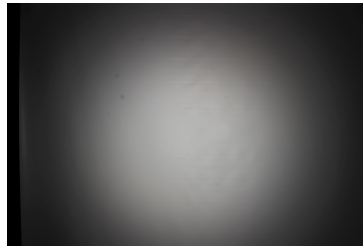


Light distribution files

OPTICAL RESULTS (MEASURED):



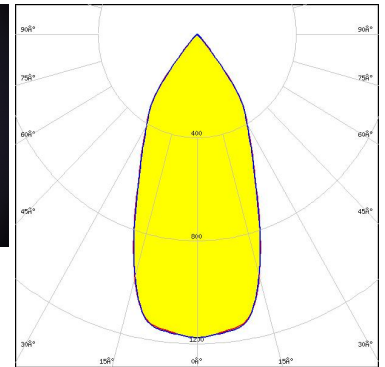
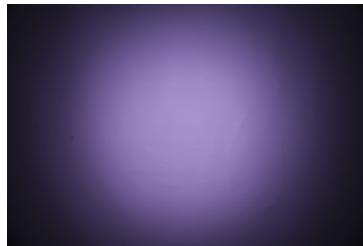
LED CTM-14 (Tunable White)
 FWHM / FWTM 44.0° / 78.0°
 Efficiency 89 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 442 Typ L3



Light distribution files



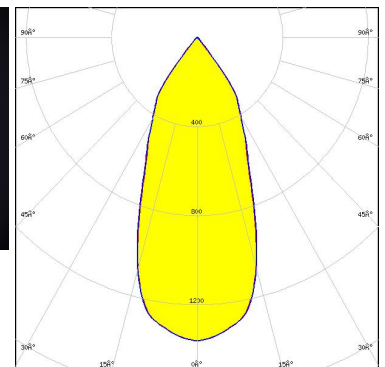
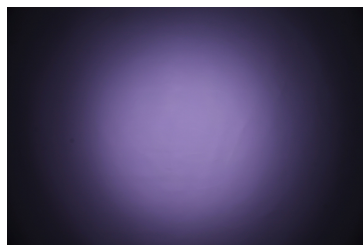
LED CTM-14 RGBW
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 500 Typ L3-1



Light distribution files



LED CTM-14 RGBW
 FWHM / FWTM 43.0° / 78.0°
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 500 Typ L3-1

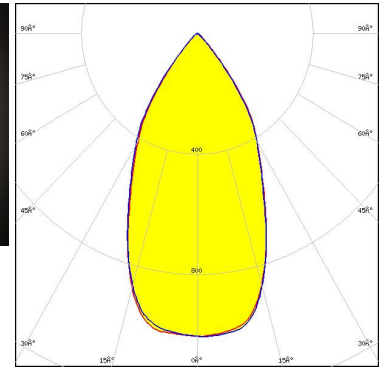
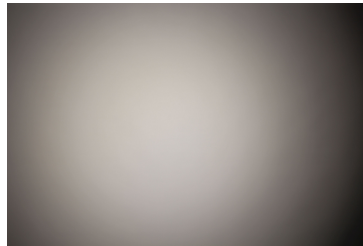


Light distribution files

OPTICAL RESULTS (MEASURED):



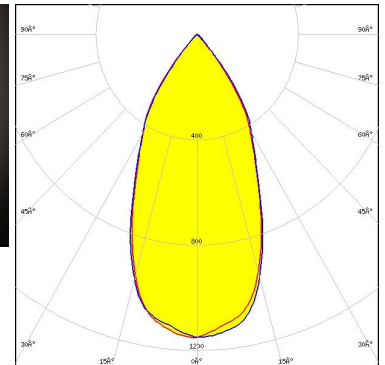
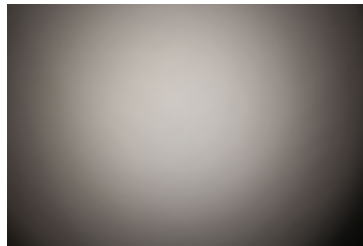
LED CTM-22 (Tunable White)
 FWHM / FWTM 52.0° / 83.0°
 Efficiency 82 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 494 Typ L3



Light distribution files



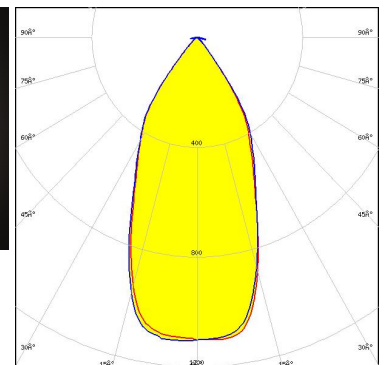
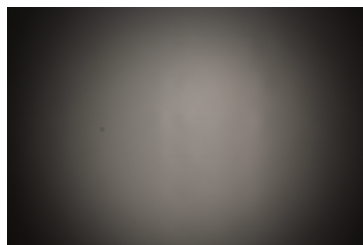
LED CTM-22 (Tunable White)
 FWHM / FWTM 49.0° / 81.0°
 Efficiency 86 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3



Light distribution files



LED COB J-Type
 FWHM / FWTM 48.0° / 81.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2103NC + 50-2100AN

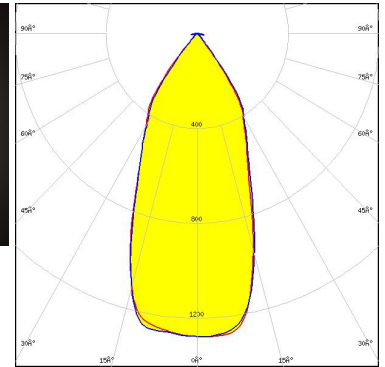
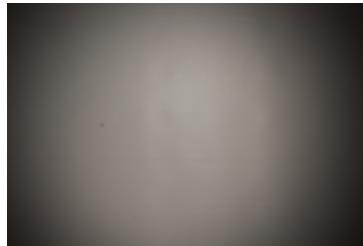


Light distribution files

OPTICAL RESULTS (MEASURED):



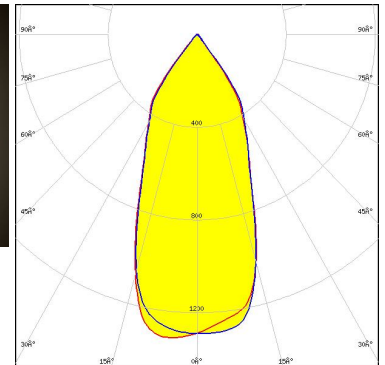
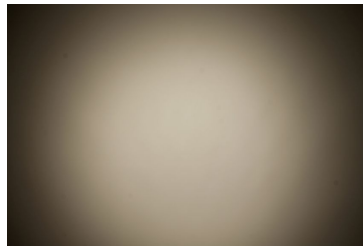
LED COB J-Type
 FWHM / FWTM 44.0° / 78.0°
 Efficiency 89 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2103NC + 50-2100AN



Light distribution files



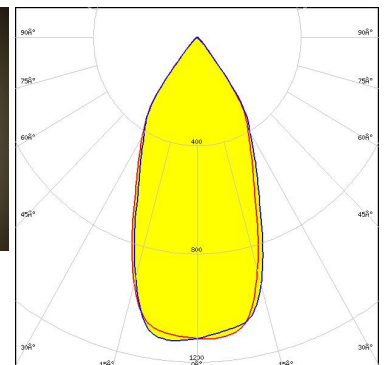
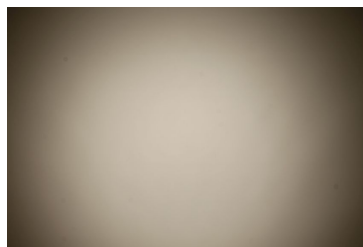
LED COB L-Type (LES 11)
 FWHM / FWTM 44.0° / 78.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 IDEAL: 50-2100NC + 50-2100AN



Light distribution files



LED COB L-Type (LES 11)
 FWHM / FWTM 47.0° / 80.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2100NC + 50-2100AN



Light distribution files

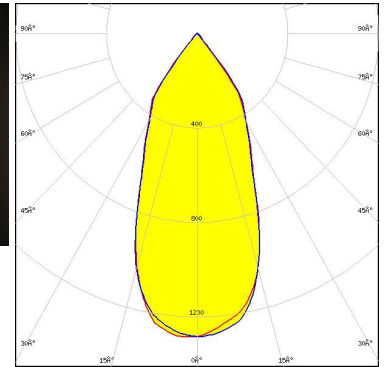
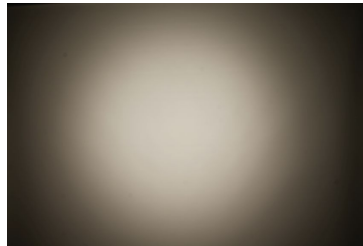
OPTICAL RESULTS (MEASURED):



LED COB L-Type (LES 11)
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

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



Light distribution files



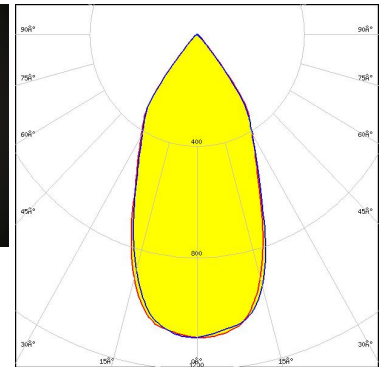
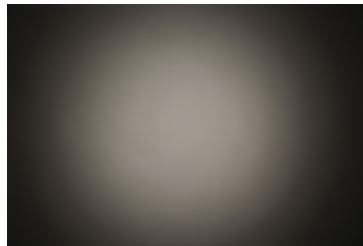
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 49.0° / 81.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13658_CLAMP-VERO13-18

F13671_ANGE-RZ-LENS

Bender Wirth: 498 Typ L2



Light distribution files

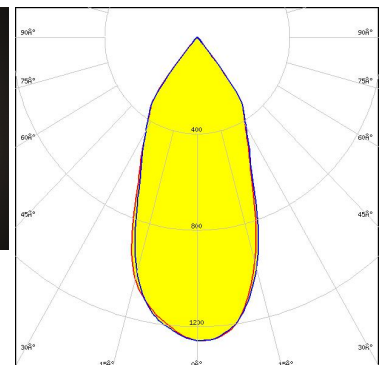
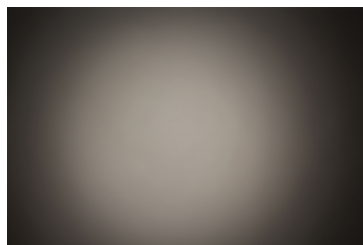


LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 498 Typ L2



Light distribution files

OPTICAL RESULTS (MEASURED):

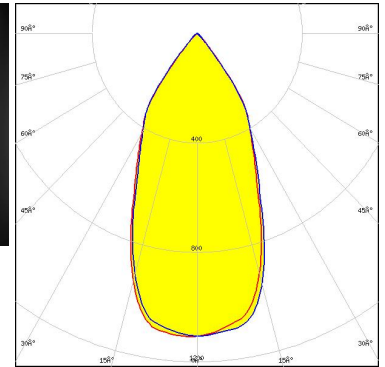
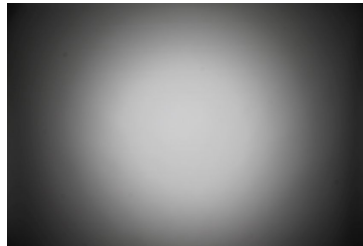
OSRAM
Opto Semiconductors

LED Soleriq S13 19x19
FWHM / FWTM 49.0° / 81.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

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



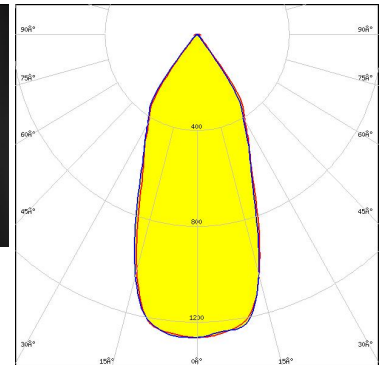
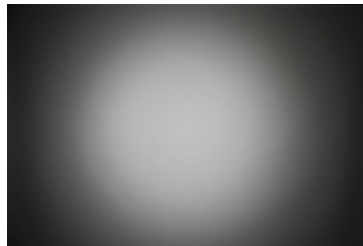
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S13 19x19
FWHM / FWTM 45.0° / 78.0°
Efficiency 87 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

IDEAL: 50-2103CT + 50-2100AN



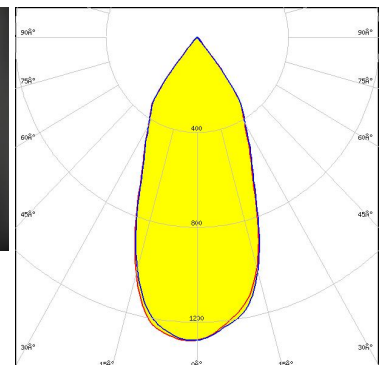
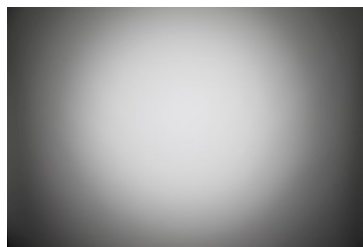
Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S13 19x19
FWHM / FWTM 45.0° / 79.0°
Efficiency 87 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

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

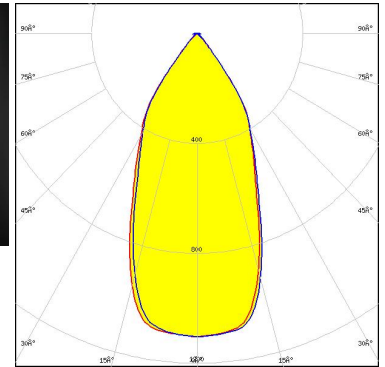
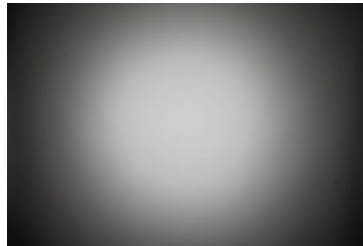


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

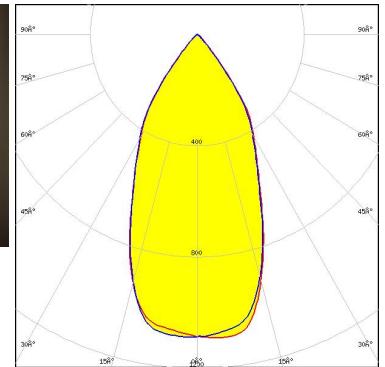
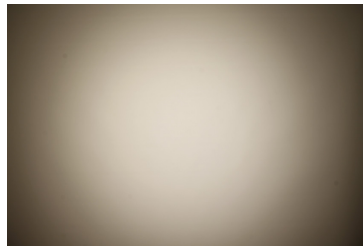
LED Soleriq S13 19x19
FWHM / FWTM 48.0° / 80.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
IDEAL: 50-2204-CT + 50-2100AN



Light distribution files

OSRAM
Opto Semiconductors

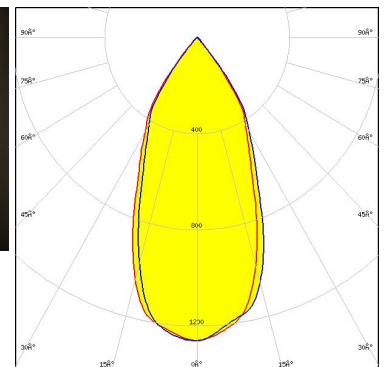
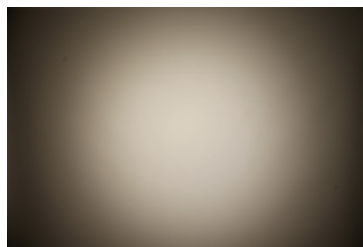
LED Soleriq S19
FWHM / FWTM 50.0° / 82.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F13671_ANGE-RZ-LENS
TE Connectivity: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM / FWTM 46.0° / 80.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
TE Connectivity: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

LED Fortimo SLM L13 CoB
FWHM / FWTM 47.0° / 81.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F13671_ANGE-RZ-LENS

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



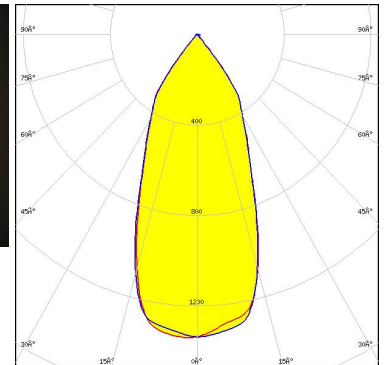
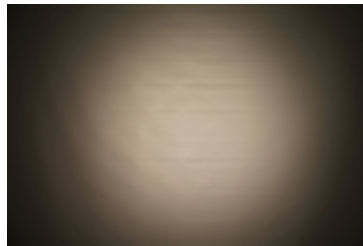
Light distribution files

PHILIPS

LED Fortimo SLM L13 CoB
FWHM / FWTM 44.0° / 79.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

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



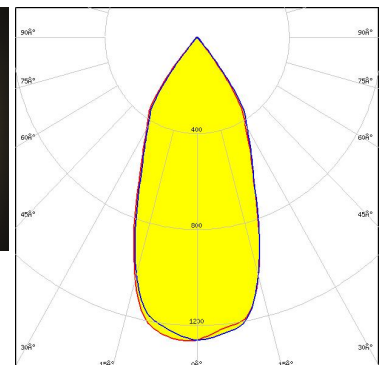
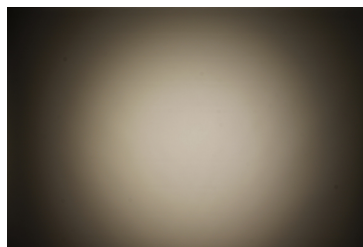
Light distribution files

PHILIPS

LED Fortimo SLM L15 + SLM holder
FWHM / FWTM 46.0° / 79.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1

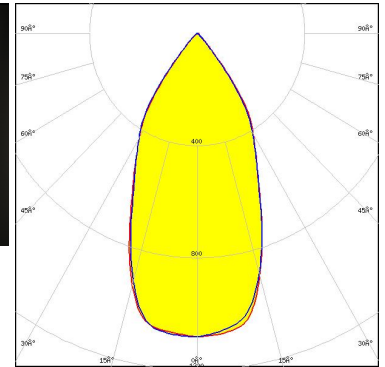
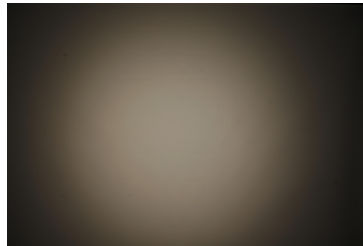


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

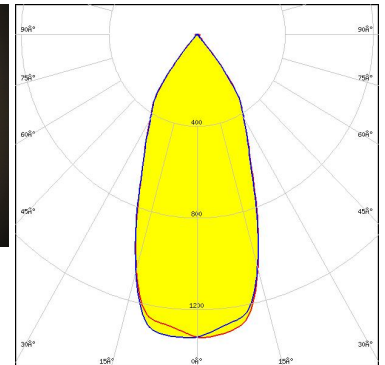
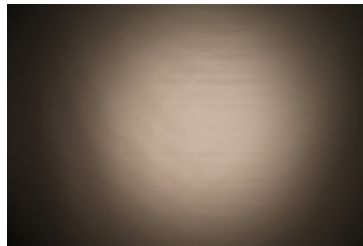
LED Fortimo SLM L15 + SLM holder
 FWHM / FWTM 50.0° / 82.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

PHILIPS

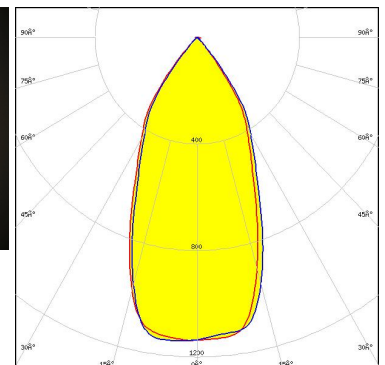
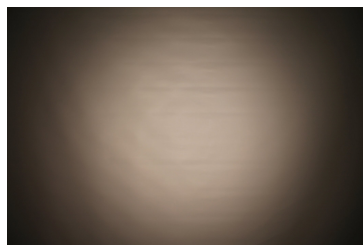
LED Fortimo SLM L15 CoB
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files

PHILIPS

LED Fortimo SLM L15 CoB
 FWHM / FWTM 48.0° / 81.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

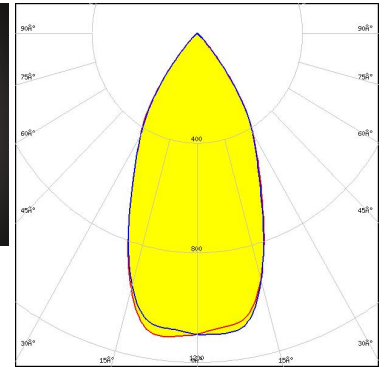
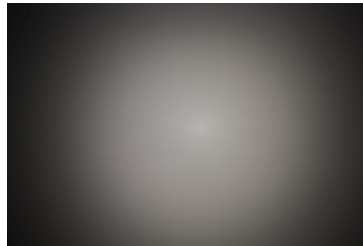


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

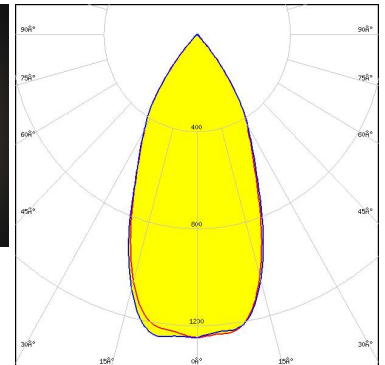
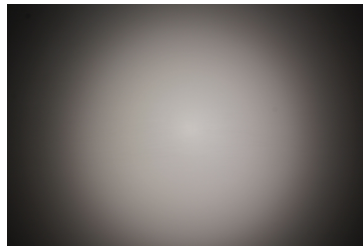
LED LC035T (Tunable white)
 FWHM / FWTM 51.0° / 82.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 502 Typ L3



Light distribution files

SAMSUNG

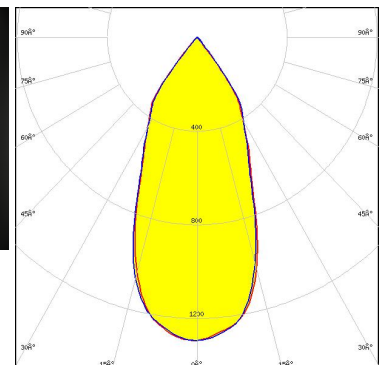
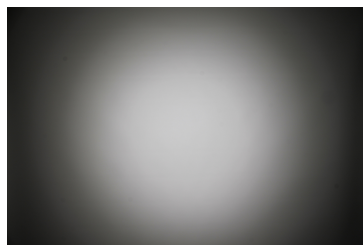
LED LC035T (Tunable white)
 FWHM / FWTM 48.0° / 81.0°
 Efficiency 90 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 502 Typ L3



Light distribution files

SAMSUNG

LED LC040C
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1

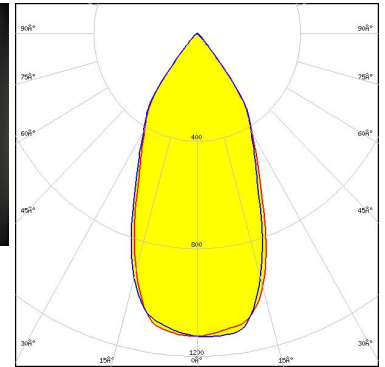
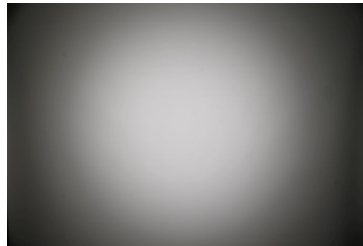


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

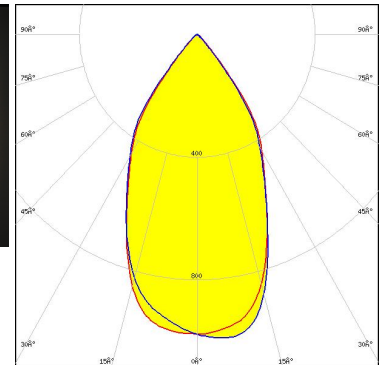
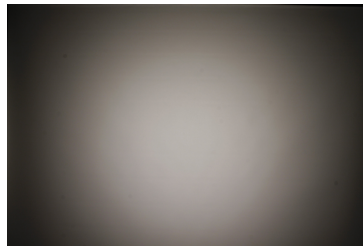
LED LC040C
 FWHM / FWTM 48.0° / 81.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files



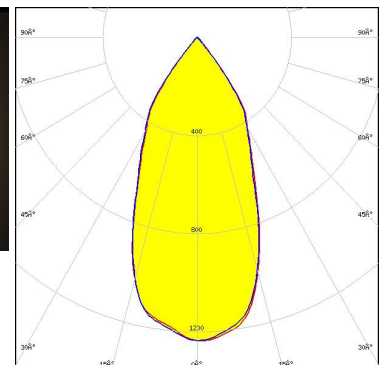
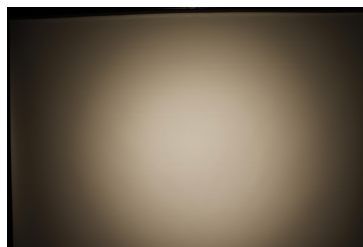
LED AC Zhaga COB
 FWHM / FWTM 55.0° / 84.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 Optosource: SEHSMJD-A



Light distribution files



LED MJT COB LES 14.5
 FWHM / FWTM 47.0° / 80.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1

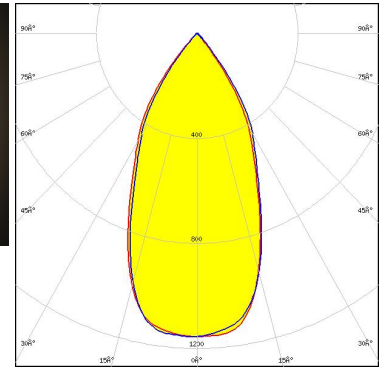
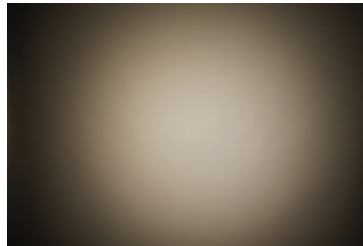


Light distribution files

OPTICAL RESULTS (MEASURED):



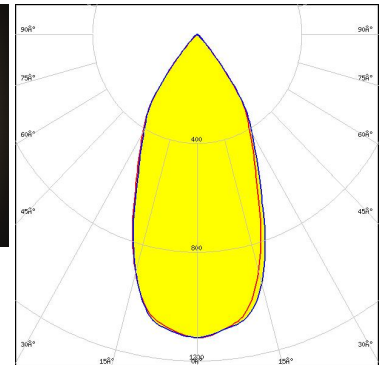
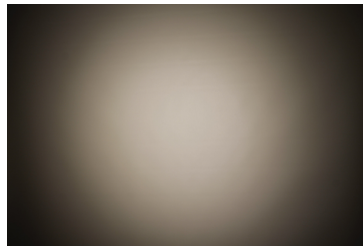
LED MJT COB LES 22
 FWHM / FWTM 50.0° / 81.0°
 Efficiency 86 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 431 Typ L3



Light distribution files



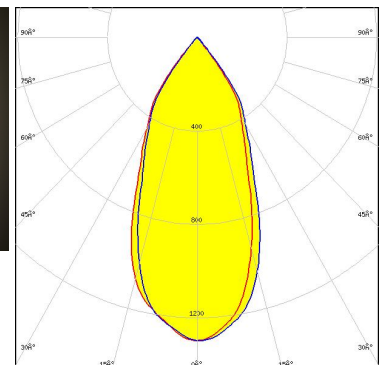
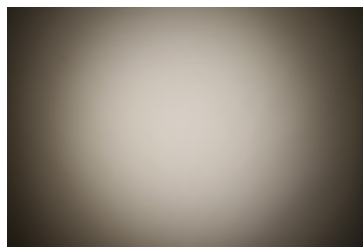
LED WU-M-484
 FWHM / FWTM 49.0° / 81.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F13671_ANGE-RZ-LENS
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files



LED WU-M-484
 FWHM / FWTM 45.0° / 79.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1

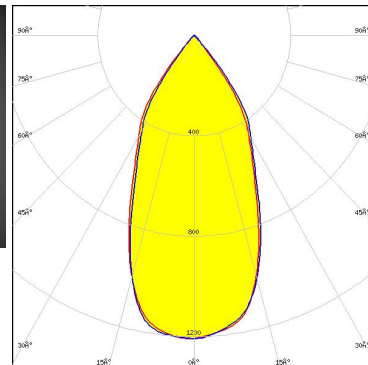
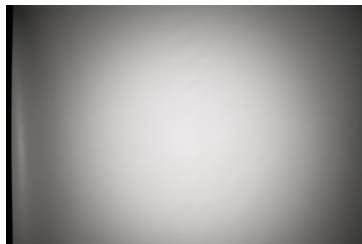


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

LED	XTM - 19mm LES
FWHM / FWTM	49.0° / 81.0°
Efficiency	89 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C16491_XTM-ADAPTER-50-A



Light distribution files

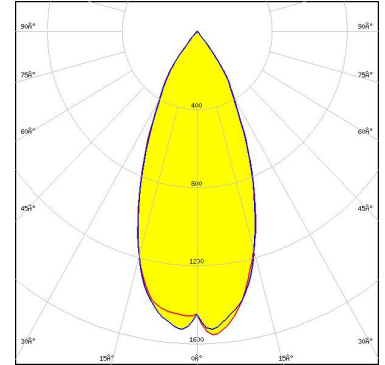
OPTICAL RESULTS (SIMULATED):



LED V13 Gen7
FWHM / FWTM 44.0° / 76.0°
Efficiency 90 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

IDEAL: 50-2103CT + 50-2100AN

Light distribution files

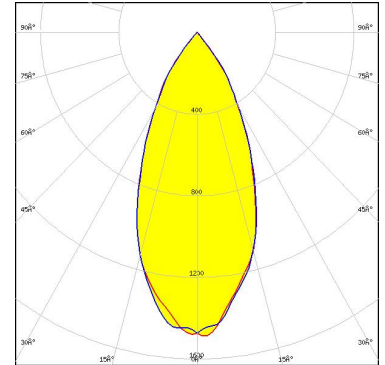


LED V13 Gen7
FWHM / FWTM 45.0° / 77.0°
Efficiency 90 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 477 Typ L1

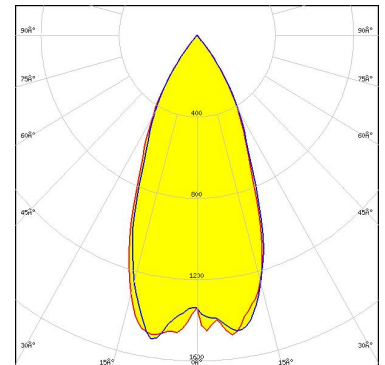
Light distribution files



LED V22 Gen7
FWHM / FWTM 45.0° / 75.0°
Efficiency 94 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

IDEAL: 50-2204-CT + 50-2100AN

Light distribution files



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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