

## MIRELLA-G2-WW

~50° wide beam compatible with LEDiL HEKLA

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 49.9 mm |
| Height         | 22.6 mm   |
| Fastening      | socket    |
| ROHS compliant | yes ⓘ     |

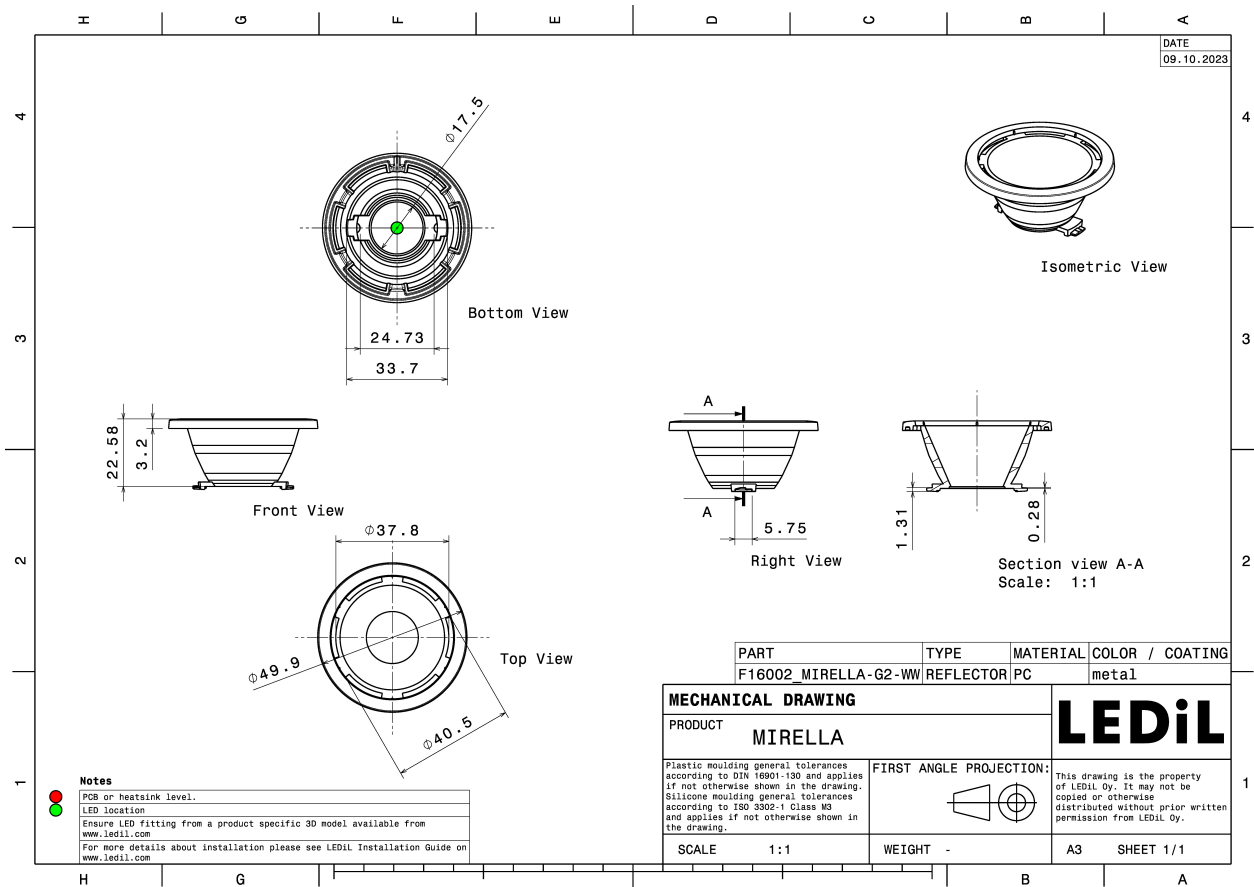
### MATERIALS:

| Component     | Type      | Material | Colour | Finish | Coating |
|---------------|-----------|----------|--------|--------|---------|
| MIRELLA-G2-WW | Reflector | PC       | metal  |        |         |



### ORDERING INFORMATION:

| Component                                              | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------------------------------|------------|-----|-----|-----------------|
| F16002_MIRELLA-G2-WW<br>» Box size: 480 x 280 x 300 mm | 336        |     | 28  | 3.7             |



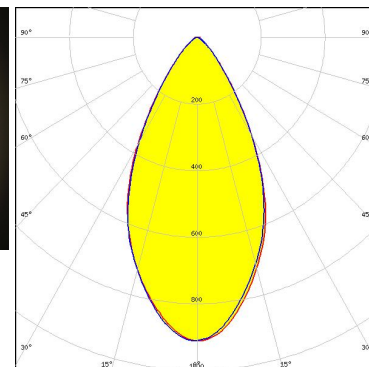
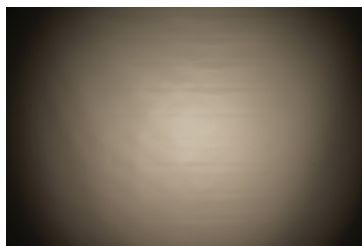
See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



#### OPTICAL RESULTS (MEASURED):



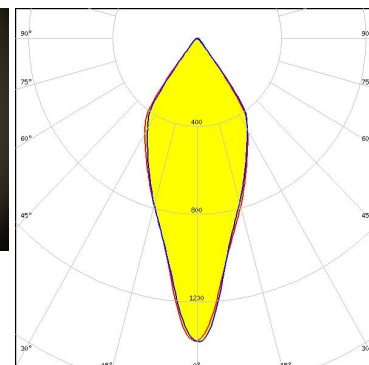
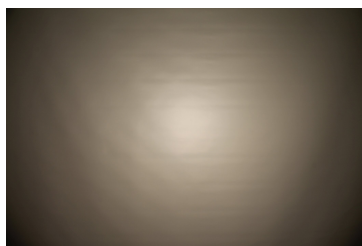
LED V4 HD Gen 7  
 FWHM / FWTM 53.0° / 88.0°  
 Efficiency 77 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A  
 C13723\_MIRELLA-RZL



Light distribution files



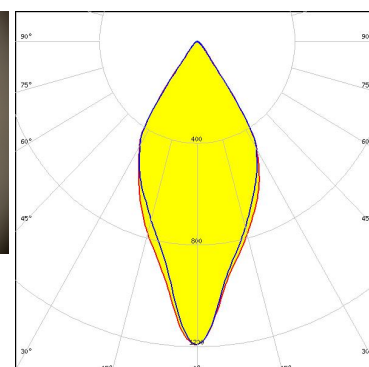
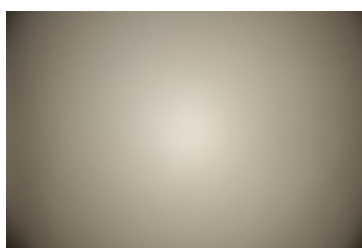
LED V4 HD Gen 7  
 FWHM / FWTM 38.0° / 78.0°  
 Efficiency 85 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



Light distribution files



LED V4 HD Gen 7  
 FWHM / FWTM 49.0° / 75.0°  
 Efficiency 79 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A  
 C13333\_MIRELLA-CL

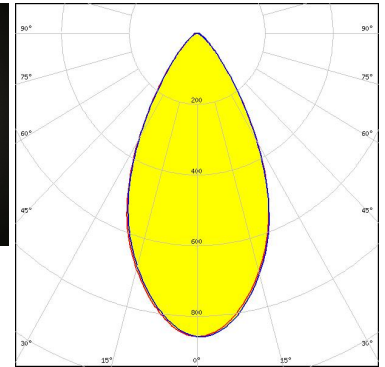
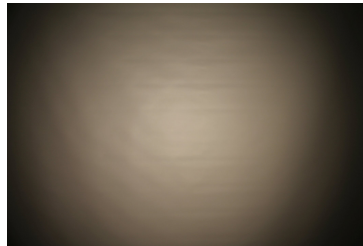


Light distribution files

#### OPTICAL RESULTS (MEASURED):



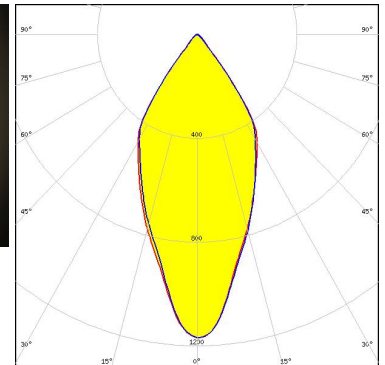
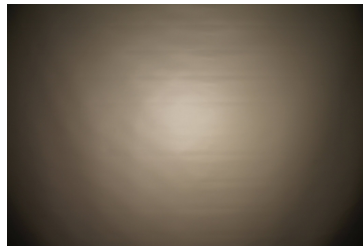
LED V6 HD Gen 7  
 FWHM / FWTM 54.0° / 89.0°  
 Efficiency 75 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C13723\_MIRELLA-RZL



Light distribution files



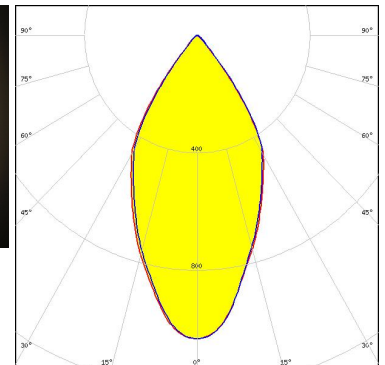
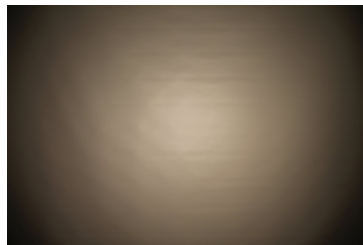
LED V6 HD Gen 7  
 FWHM / FWTM 47.0° / 80.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



LED V9 HD Gen7  
 FWHM / FWTM 53.0° / 82.0°  
 Efficiency 81 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

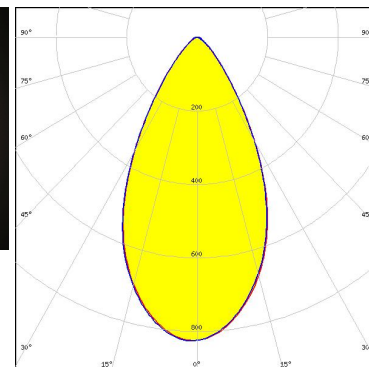
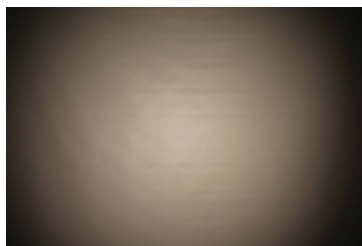


Light distribution files

#### OPTICAL RESULTS (MEASURED):



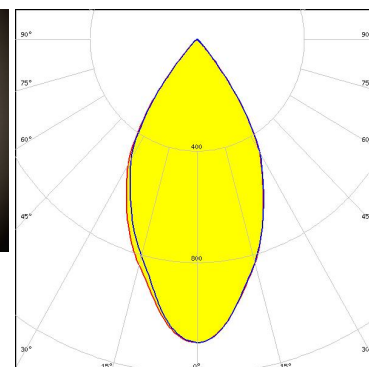
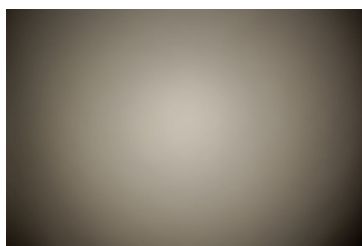
LED V9 HD Gen7  
 FWHM / FWTM 55.0° / 89.0°  
 Efficiency 74 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C13723\_MIRELLA-RZL



Light distribution files



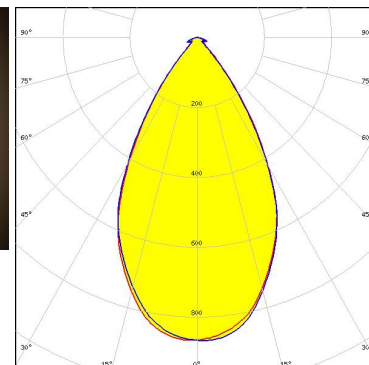
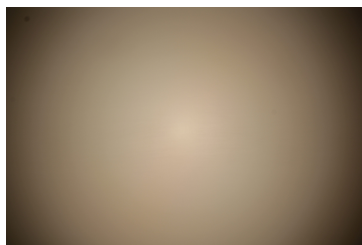
LED VERO10  
 FWHM / FWTM 55.0° / 82.0°  
 Efficiency 85 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15616\_HEKLA-SOCKET-F



Light distribution files



LED Vesta DTW 13mm (21W)  
 FWHM / FWTM 59.0° / 84.0°  
 Efficiency 81 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 491 Typ L8



Light distribution files

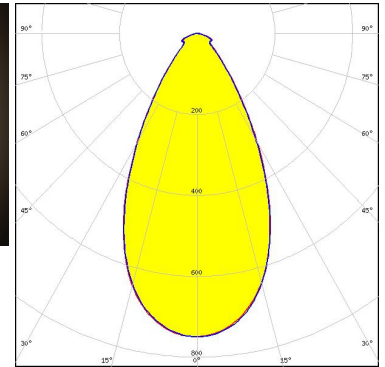
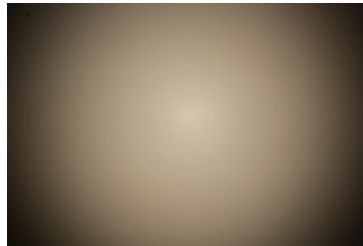
#### OPTICAL RESULTS (MEASURED):



LED Vesta DTW 13mm (21W)  
 FWHM / FWTM 54.0° / 91.0°  
 Efficiency 73 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White

Required components:

C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 491 Typ L8



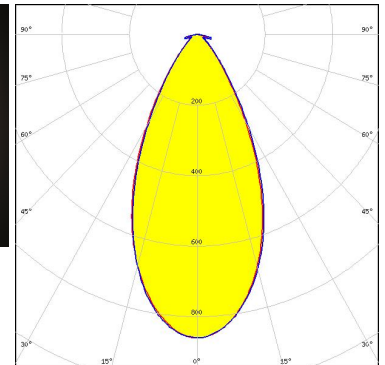
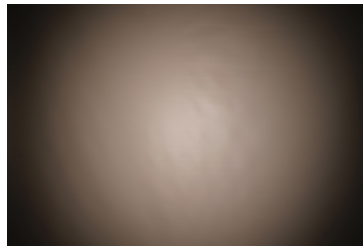
Light distribution files



LED Vesta DTW 9mm (4W/6W/12W)  
 FWHM / FWTM 50.0° / 85.0°  
 Efficiency 71 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 490 Typ L8



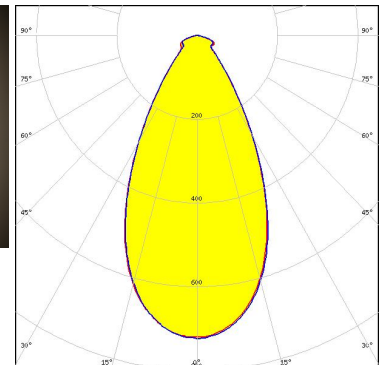
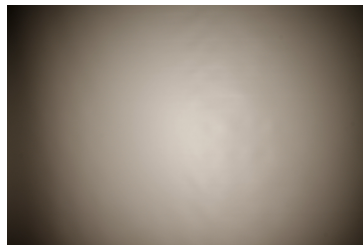
Light distribution files



LED Vesta TW 13mm (25W) CSP  
 FWHM / FWTM 53.0° / 90.0°  
 Efficiency 69 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 492 Typ L8



Light distribution files

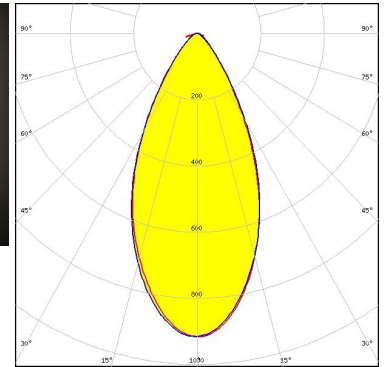
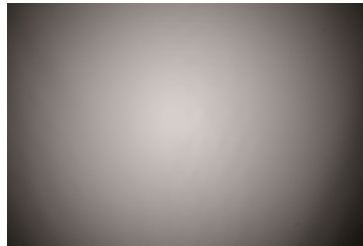
#### OPTICAL RESULTS (MEASURED):



LED Vesta TW 6mm DP  
 FWHM / FWTM 50.0° / 85.0°  
 Efficiency 74 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 504 Typ L8



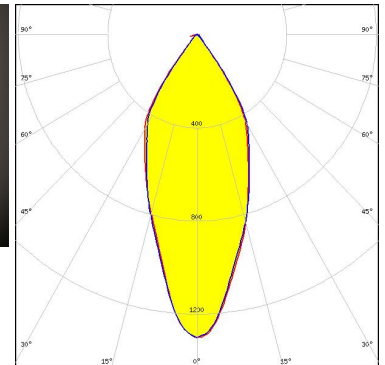
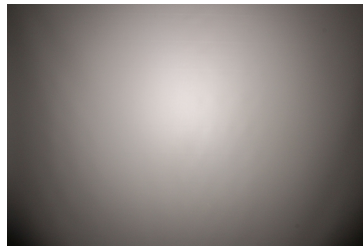
Light distribution files



LED Vesta TW 6mm DP  
 FWHM / FWTM 41.0° / 77.0°  
 Efficiency 81 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 504 Typ L8



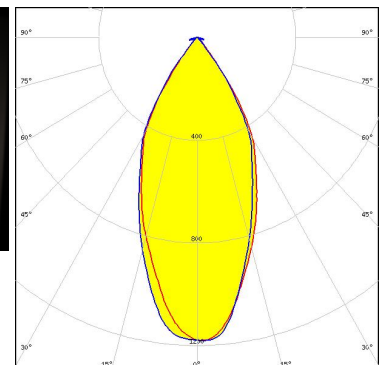
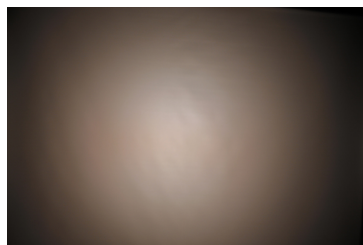
Light distribution files



LED Vesta TW 9mm (12W) CSP  
 FWHM / FWTM 46.0° / 77.0°  
 Efficiency 77 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



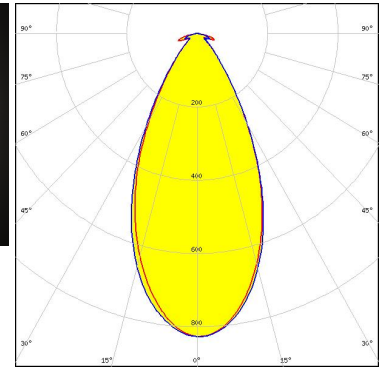
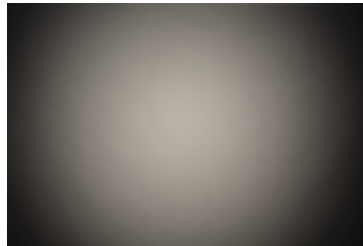
Light distribution files



#### OPTICAL RESULTS (MEASURED):



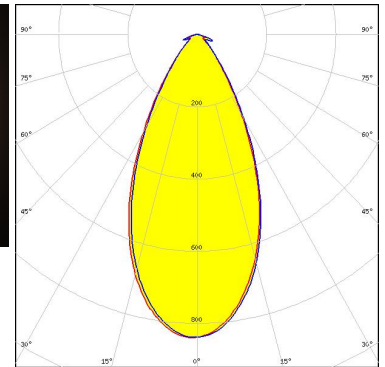
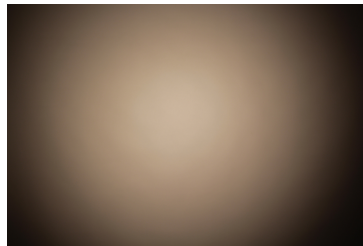
LED Vesta TW 9mm (12W) CSP  
 FWHM / FWTM 50.0° / 85.0°  
 Efficiency 70 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 489 Typ L8



Light distribution files

#### CITIZEN

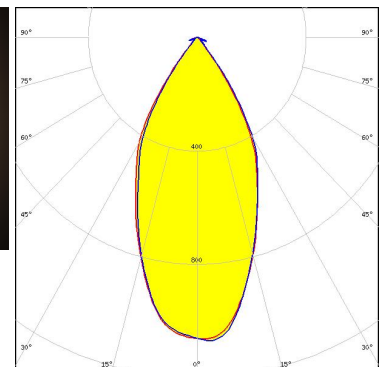
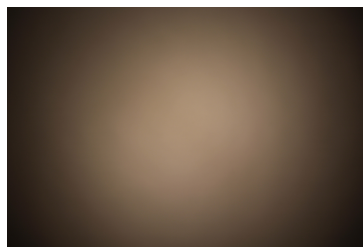
LED CLC020 Series (Dim-To-Warm)  
 FWHM / FWTM 50.0° / 85.0°  
 Efficiency 70 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 487 Typ L8



Light distribution files

#### CITIZEN

LED CLC020 Series (Dim-To-Warm)  
 FWHM / FWTM 49.0° / 78.0°  
 Efficiency 77 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

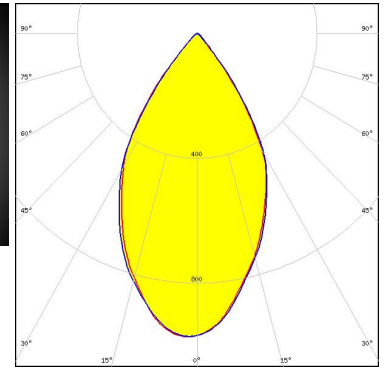
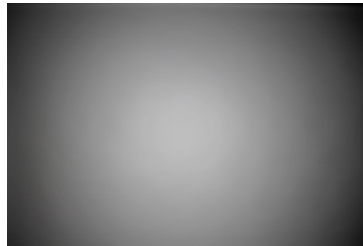


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

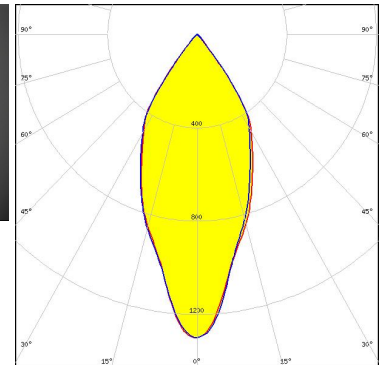
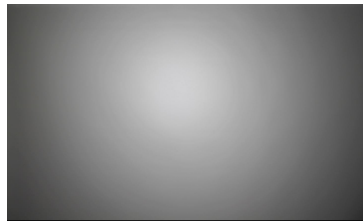
LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM 59.0° / 83.0°  
 Efficiency 82 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

#### CITIZEN

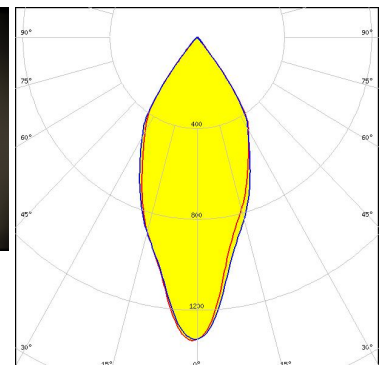
LED CLU700/701/702/703  
 FWHM / FWTM 45.0° / 79.0°  
 Efficiency 85 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

#### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM 44.0° / 79.0°  
 Efficiency 85 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C13723\_MIRELLA-RZL

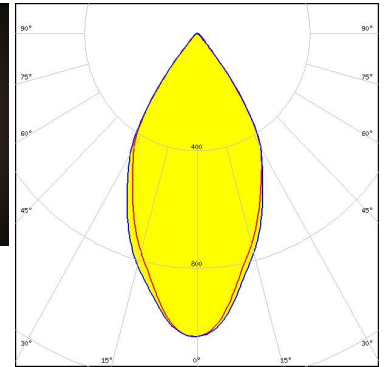
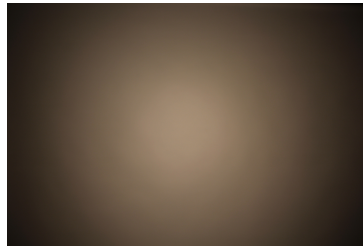


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### CITIZEN

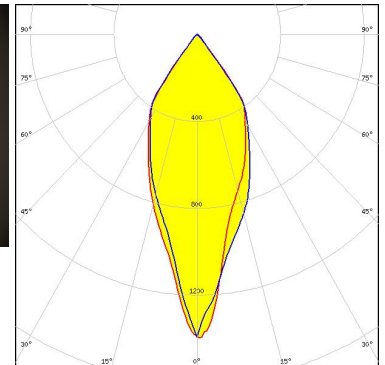
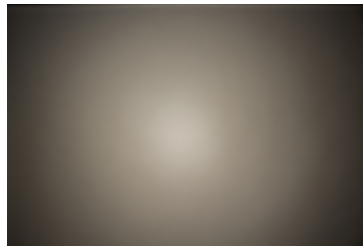
LED CLU710/711  
 FWHM / FWTM 53.0° / 81.0°  
 Efficiency 80 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

#### CITIZEN

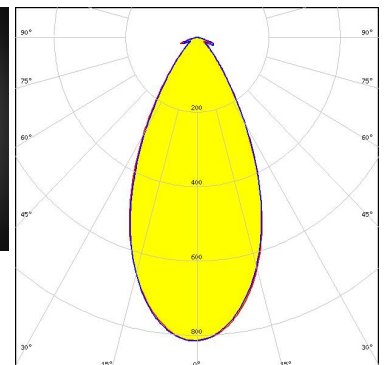
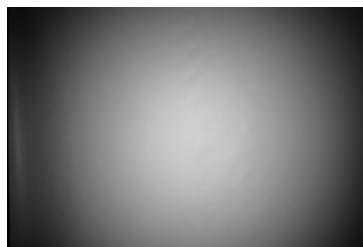
LED CLU7A2/7A3  
 FWHM / FWTM 38.0° / 77.0°  
 Efficiency 83 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

#### CITIZEN

LED LCN-C01B (Tunable White)  
 FWHM / FWTM 50.0° / 86.0°  
 Efficiency 70 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 481 Typ L8



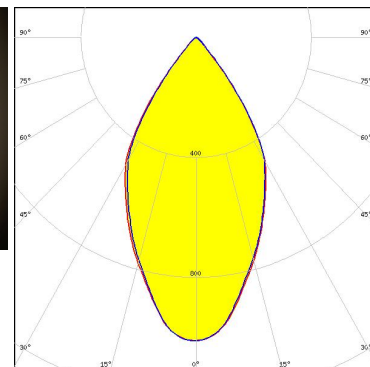
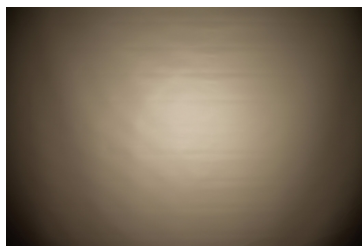
Light distribution files



#### OPTICAL RESULTS (MEASURED):



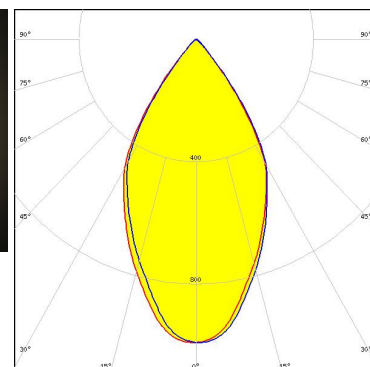
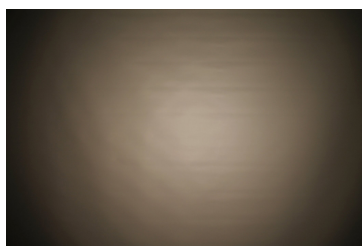
LED CMA1516  
FWHM / FWTM 57.0° / 83.0°  
Efficiency 84 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15256\_HEKLA-SOCKET-D



Light distribution files



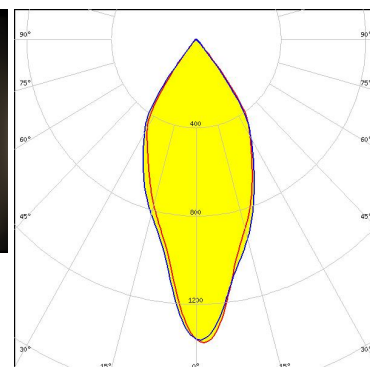
LED CMT14xx  
FWHM / FWTM 58.0° / 83.0°  
Efficiency 83 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C



Light distribution files



LED CXA/B 13xx  
FWHM / FWTM 43.0° / 78.0°  
Efficiency 86 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15956\_HEKLA-SOCKET-J

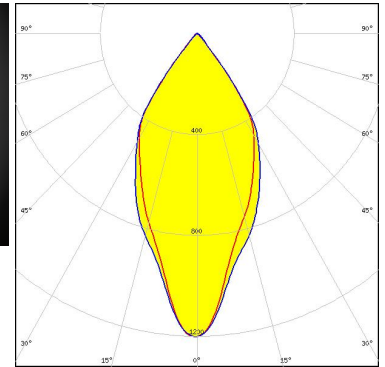
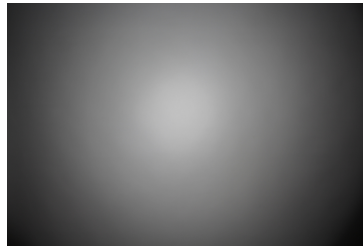


Light distribution files

#### OPTICAL RESULTS (MEASURED):



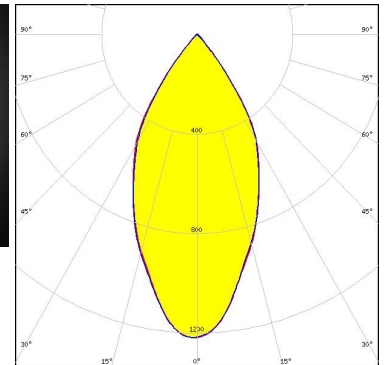
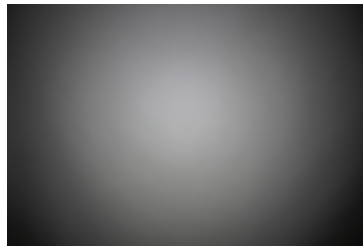
LED CXA/B 13xx  
 FWHM / FWTM 48.0° / 80.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



Light distribution files



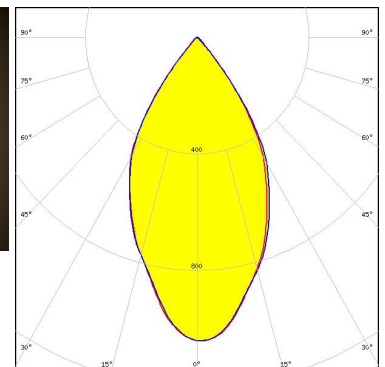
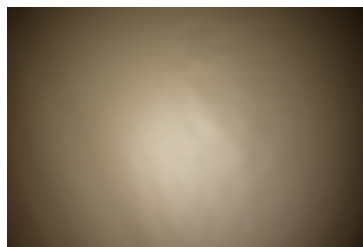
LED CXA/B 15xx  
 FWHM / FWTM 51.0° / 81.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



LED LUXEON CoB 1202/1203  
 FWHM / FWTM 56.0° / 82.0°  
 Efficiency 83 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H  
 C12479\_MIRELLA-DL

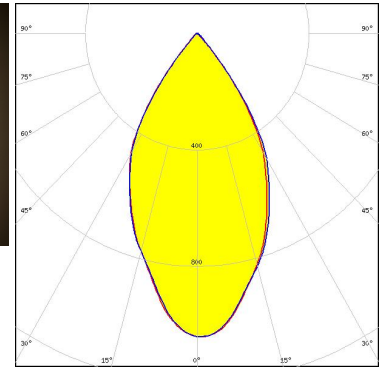
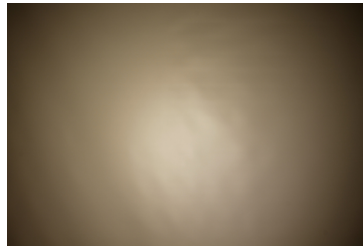


Light distribution files

#### OPTICAL RESULTS (MEASURED):



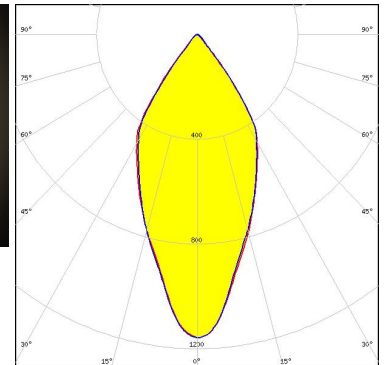
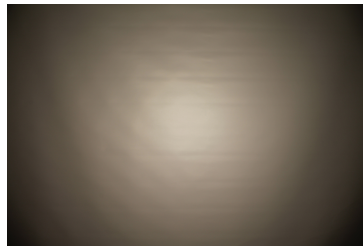
LED LUXEON CoB 1202/1203  
 FWHM / FWTM 56.0° / 82.0°  
 Efficiency 83 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



Light distribution files



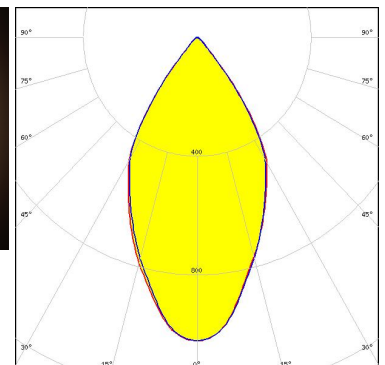
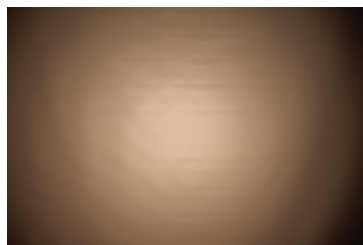
LED LUXEON CoB 1202HD  
 FWHM / FWTM 48.0° / 80.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



Light distribution files



LED LUXEON CoB 1204HD  
 FWHM / FWTM 56.0° / 83.0°  
 Efficiency 84 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H

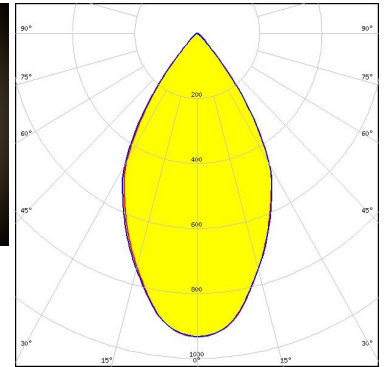
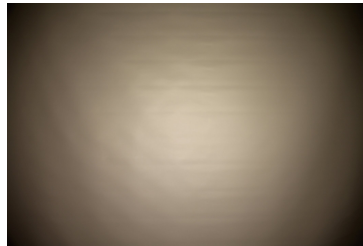


Light distribution files

#### OPTICAL RESULTS (MEASURED):



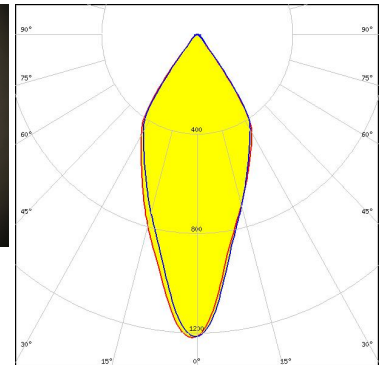
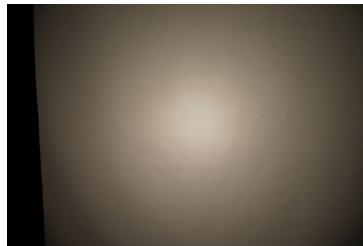
LED LUXEON CoB 1205HD  
 FWHM / FWTM 59.0° / 85.0°  
 Efficiency 81 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



Light distribution files



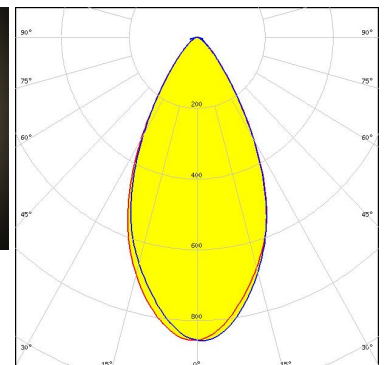
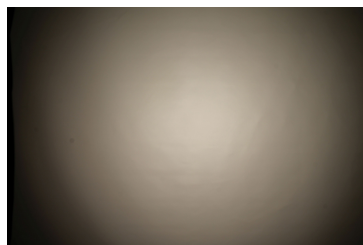
LED LUXEON CX Plus CoB - HD S01H4  
 FWHM / FWTM 42.0° / 78.0°  
 Efficiency 79 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S01H4  
 FWHM / FWTM 53.0 + 52.0° / 88.0°  
 Efficiency 73 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 634c Hekla

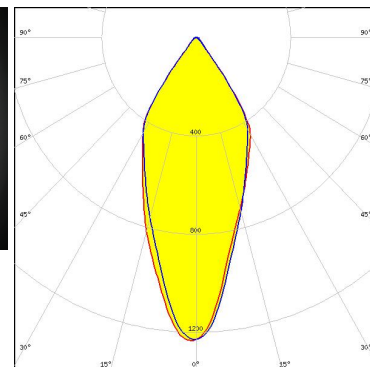
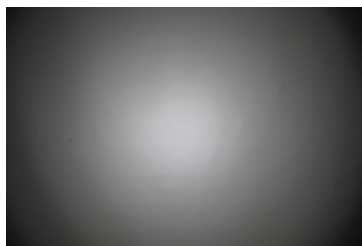


Light distribution files

#### OPTICAL RESULTS (MEASURED):



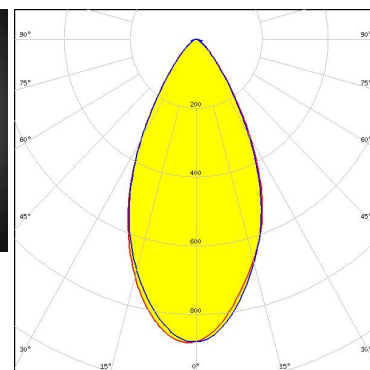
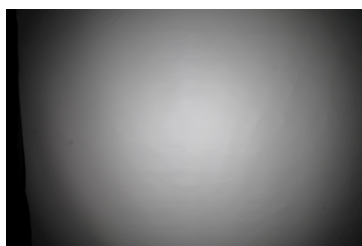
LED LUXEON CX Plus CoB - HD S02H6  
 FWHM / FWTM 42.0° / 78.0°  
 Efficiency 79 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla



Light distribution files



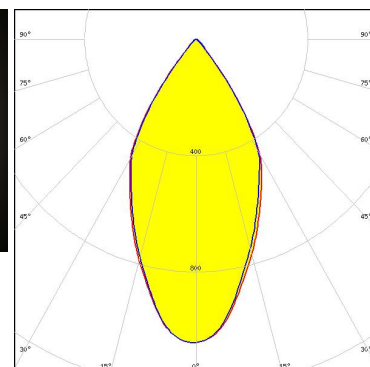
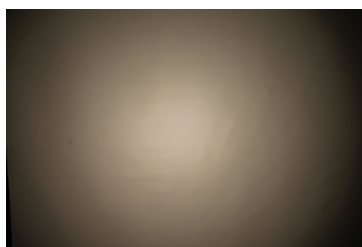
LED LUXEON CX Plus CoB - HD S02H6  
 FWHM / FWTM 52.0° / 87.0°  
 Efficiency 73 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 53.0° / 81.0°  
 Efficiency 81 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla



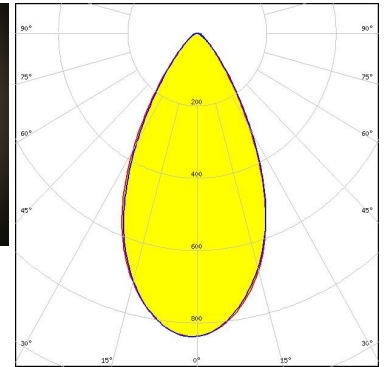
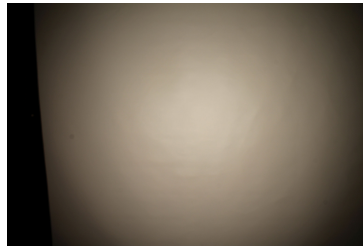
Light distribution files



#### OPTICAL RESULTS (MEASURED):



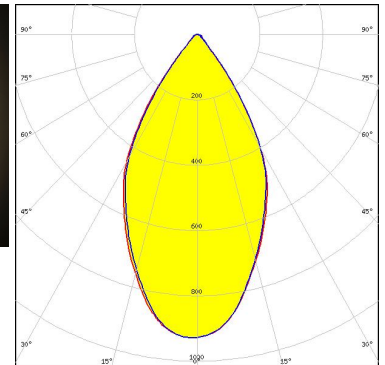
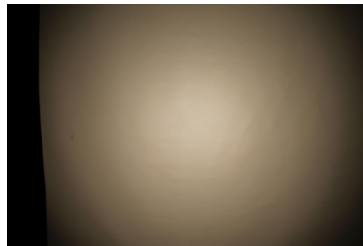
LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 54.0° / 89.0°  
 Efficiency 74 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 634c Hekla



Light distribution files



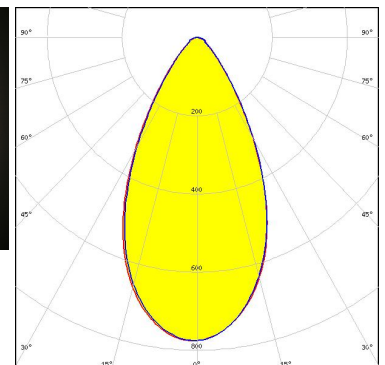
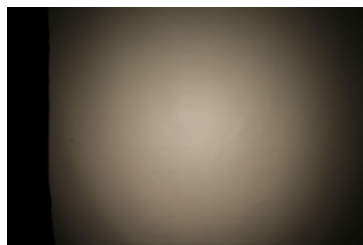
LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 FWHM / FWTM 58.0° / 83.0°  
 Efficiency 78 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 FWHM / FWTM 54.0° / 91.0°  
 Efficiency 71 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 637a Hekla



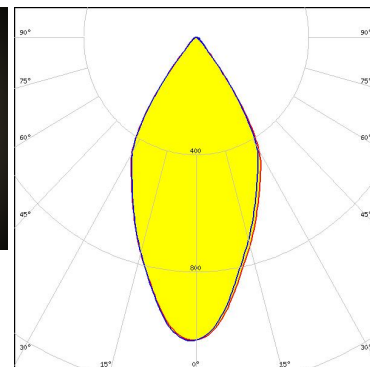
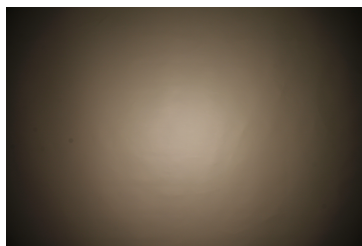
Light distribution files



#### OPTICAL RESULTS (MEASURED):



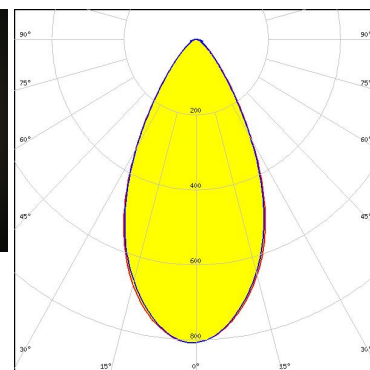
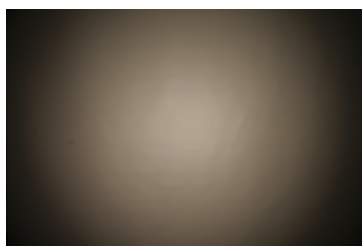
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 FWHM / FWTM 52.0° / 81.0°  
 Efficiency 79 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 641a Hekla



Light distribution files



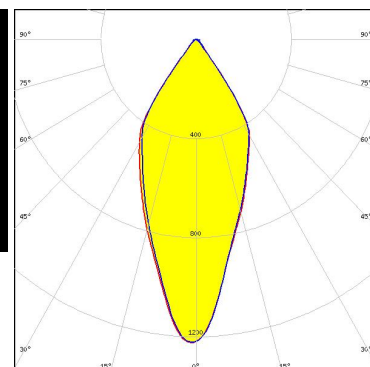
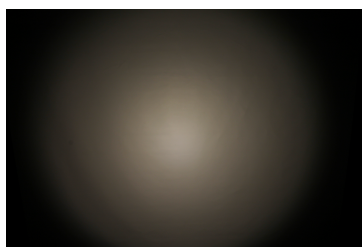
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 FWHM / FWTM 53.0° / 89.0°  
 Efficiency 71 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 641a Hekla



Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)  
 FWHM / FWTM 42.0° / 78.0°  
 Efficiency 80 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla

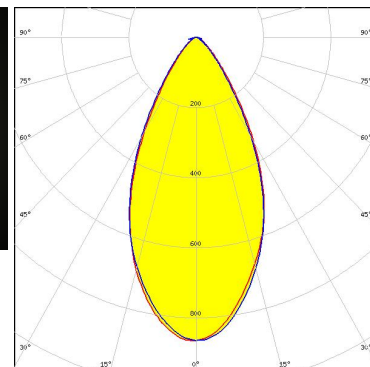
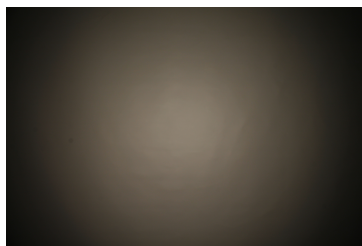


Light distribution files

#### OPTICAL RESULTS (MEASURED):



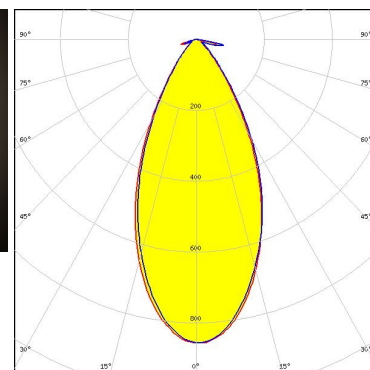
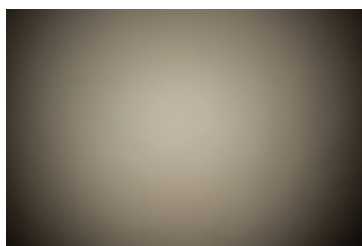
LED LUXEON CX Plus CoB S01 (Gen2)  
 FWHM / FWTM 52.0° / 87.0°  
 Efficiency 72 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 634c Hekla



Light distribution files



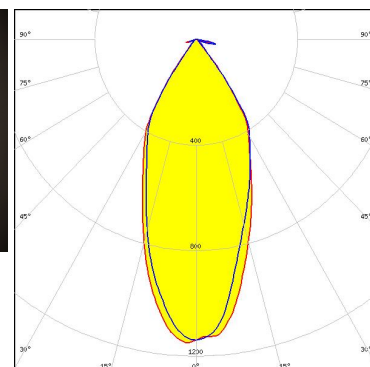
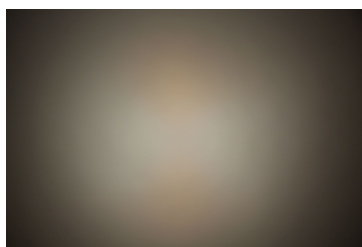
LED CDM-6 (Dim-To-Warm)  
 FWHM / FWTM 49.0° / 85.0°  
 Efficiency 70 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 490 Typ L8



Light distribution files



LED CDM-6 (Dim-To-Warm)  
 FWHM / FWTM 43.0° / 77.0°  
 Efficiency 77 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



Light distribution files

#### OPTICAL RESULTS (MEASURED):



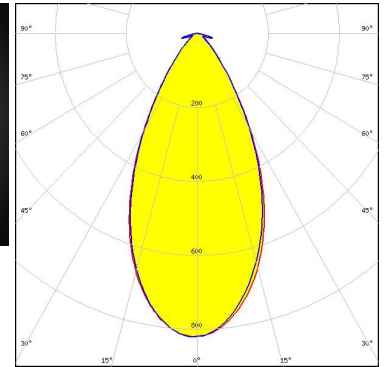
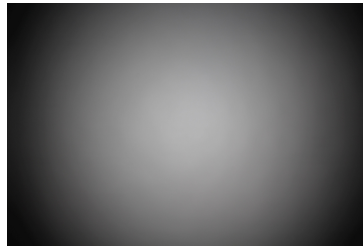
LED CDM-9 (Dim-To-Warm)  
 FWHM / FWTM 51.0° / 86.0°  
 Efficiency 70 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K

C13723\_MIRELLA-RZL

Bender Wirth: 490 Typ L8



Light distribution files

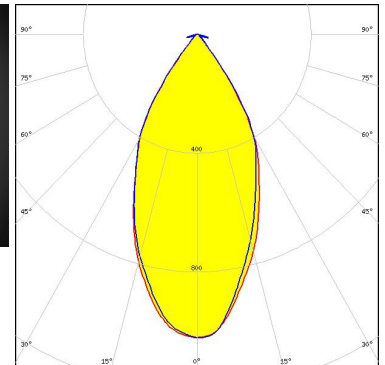
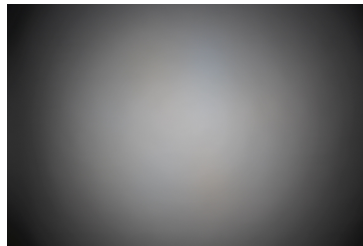


LED CDM-9 (Dim-To-Warm)  
 FWHM / FWTM 49.0° / 79.0°  
 Efficiency 76 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K

Bender Wirth: 490 Typ L8



Light distribution files



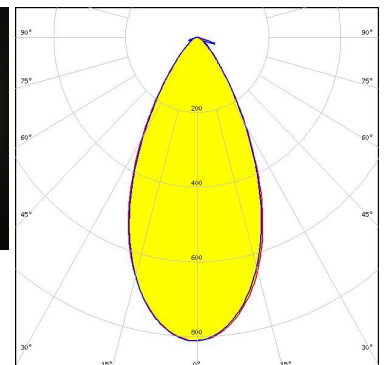
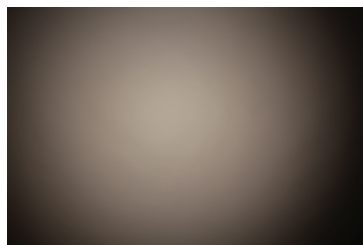
LED CTM-9 (Tunable White)  
 FWHM / FWTM 51.0° / 86.0°  
 Efficiency 68 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K

C13723\_MIRELLA-RZL

Bender Wirth: 495 Typ L8

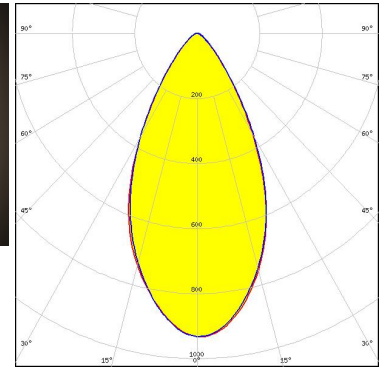
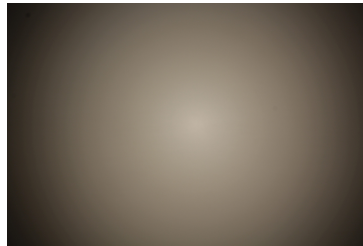


Light distribution files

#### OPTICAL RESULTS (MEASURED):



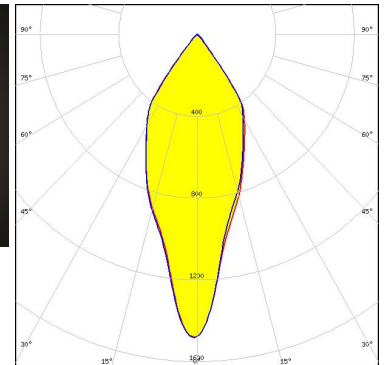
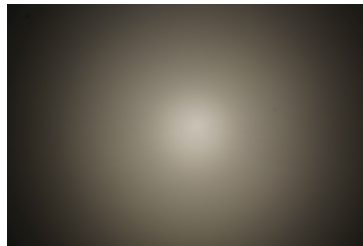
LED CXM-4  
 FWHM / FWTM 53.0° / 88.0°  
 Efficiency 80 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C13723\_MIRELLA-RZL



Light distribution files



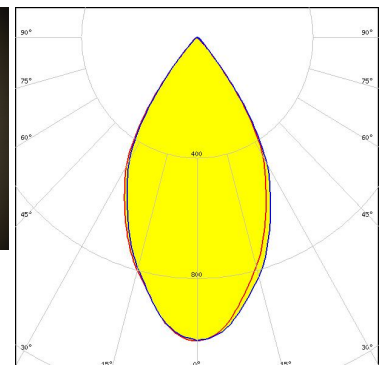
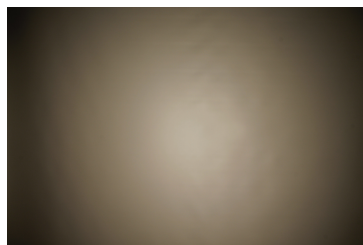
LED CXM-4  
 FWHM / FWTM 38.0° / 78.0°  
 Efficiency 87 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 57.0° / 82.0°  
 Efficiency 82 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

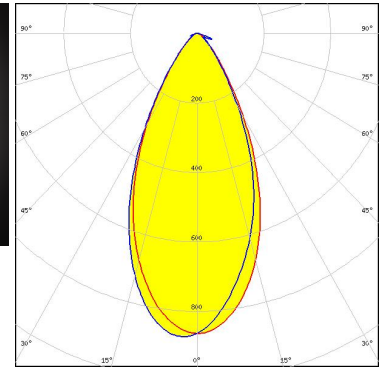
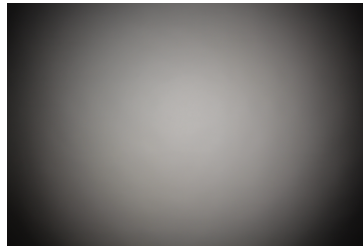


Light distribution files

#### OPTICAL RESULTS (MEASURED):



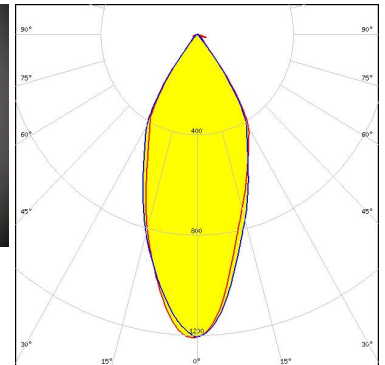
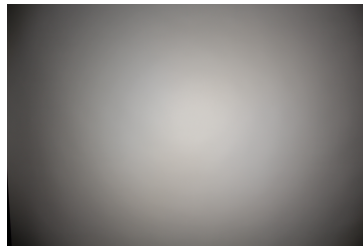
LED NJCWL024Z-V1MT: COB L-Type Tunable White  
 FWHM / FWTM 49.0° / 84.0°  
 Efficiency 69 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 497 Typ L8



Light distribution files



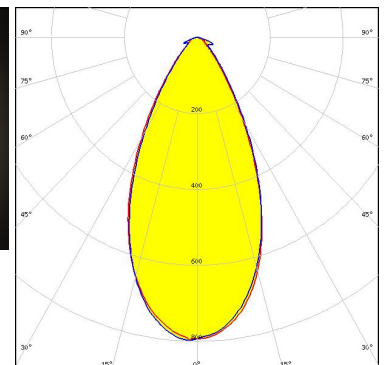
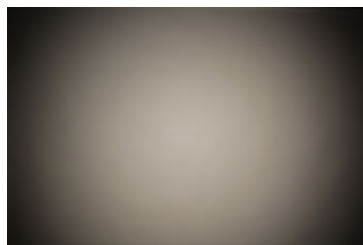
LED NJCWL024Z-V1MT: COB L-Type Tunable White  
 FWHM / FWTM 42.0° / 76.0°  
 Efficiency 76 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 497 Typ L8



Light distribution files



LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 FWHM / FWTM 51.0° / 86.0°  
 Efficiency 69 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 498 Typ L8



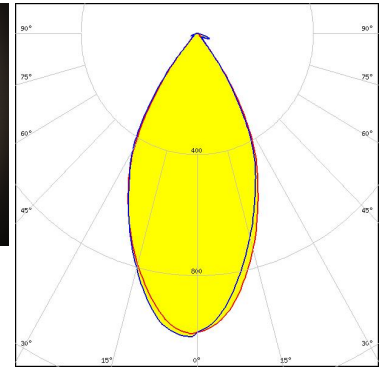
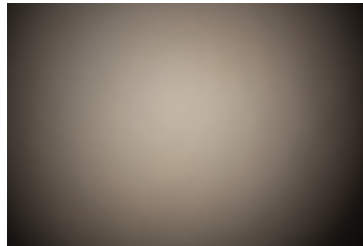
Light distribution files



#### OPTICAL RESULTS (MEASURED):



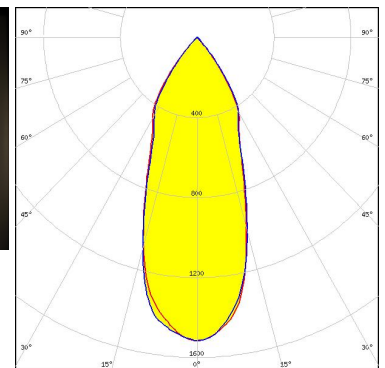
LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 FWHM / FWTM 52.0° / 79.0°  
 Efficiency 77 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 498 Typ L8



Light distribution files



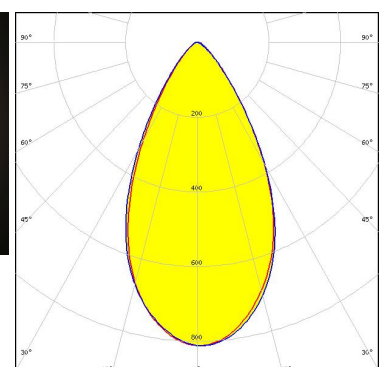
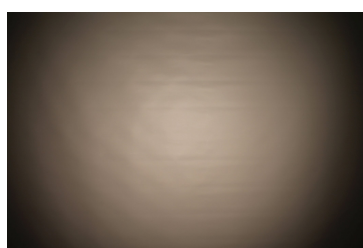
LED Soleriq S9  
 FWHM / FWTM 39.0° / 80.0°  
 Efficiency 91 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



LED Fortimo SLM L09 CoB  
 FWHM / FWTM 55.0° / 90.0°  
 Efficiency 74 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H  
 C13723\_MIRELLA-RZL



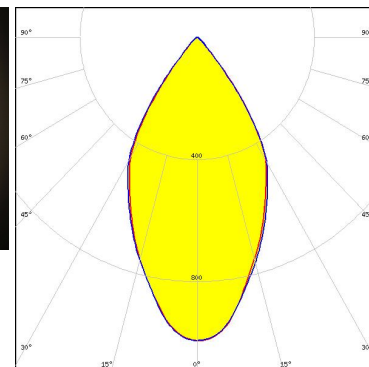
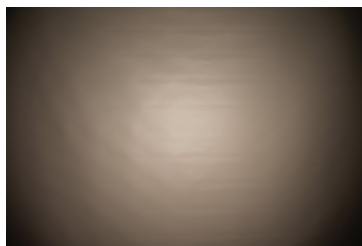
Light distribution files



#### OPTICAL RESULTS (MEASURED):

#### PHILIPS

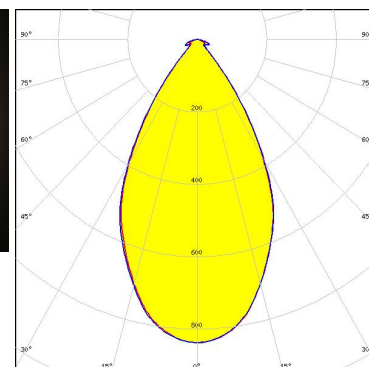
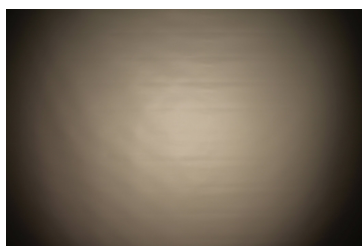
LED Fortimo SLM L09 CoB  
 FWHM / FWTM 57.0° / 83.0°  
 Efficiency 82 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



Light distribution files

#### PHILIPS

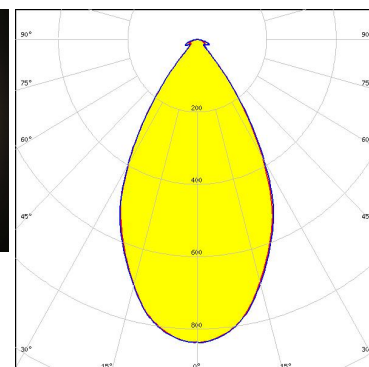
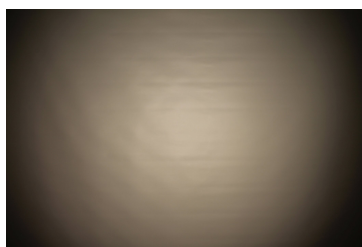
LED Fortimo SLM L13 CoB  
 FWHM / FWTM 58.0° / 84.0°  
 Efficiency 77 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8



Light distribution files

#### PHILIPS

LED Fortimo SLM L13 CoB  
 FWHM / FWTM 58.0° / 84.0°  
 Efficiency 77 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8

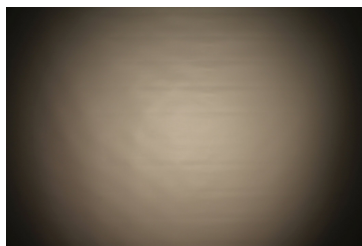


Light distribution files

#### OPTICAL RESULTS (MEASURED):

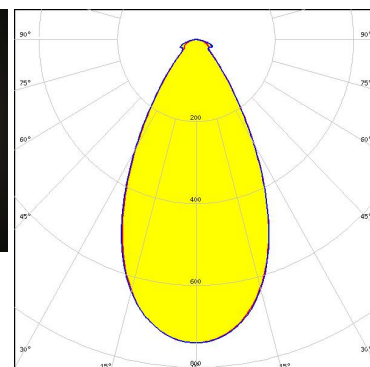
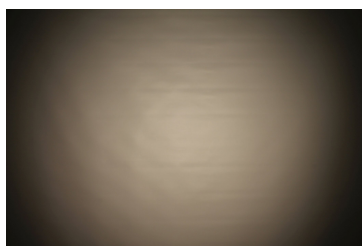
#### PHILIPS

LED Fortimo SLM L13 CoB  
 FWHM / FWTM 54.0° / 90.0°  
 Efficiency 71 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 432 Typ L8



#### PHILIPS

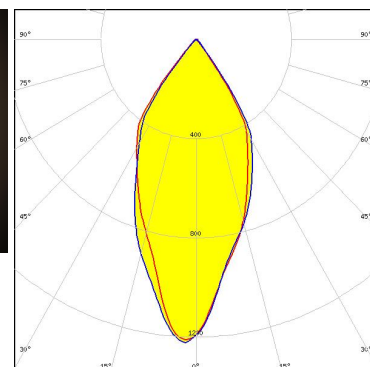
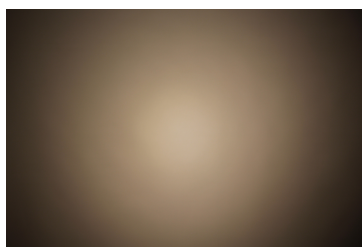
LED Fortimo SLM L13 CoB  
 FWHM / FWTM 54.0° / 90.0°  
 Efficiency 71 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C13723\_MIRELLA-RZL  
 Bender Wirth: 432 Typ L8



Light distribution files

#### SAMSUNG

LED LC010C G2  
 FWHM / FWTM 45.0° / 79.0°  
 Efficiency 82 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

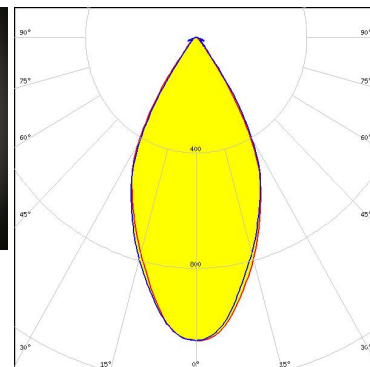
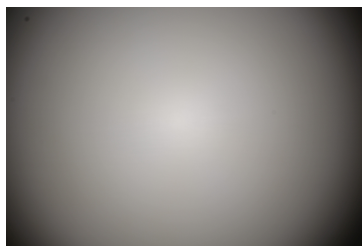


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

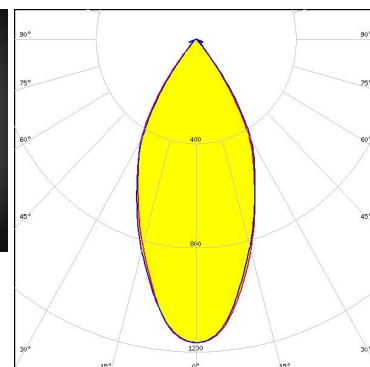
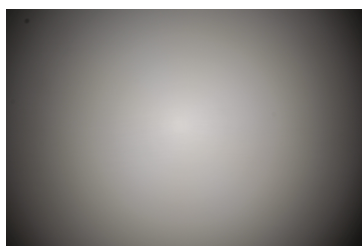
LED LC010T (Tunable White)  
 FWHM / FWTM 52.0° / 76.0°  
 Efficiency 78 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 501 Typ L8



Light distribution files

### SAMSUNG

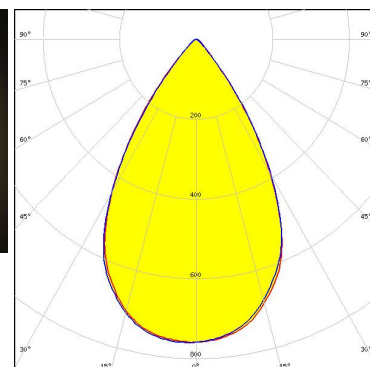
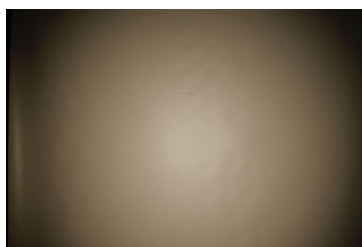
LED LC010T (Tunable White)  
 FWHM / FWTM 48.0° / 79.0°  
 Efficiency 82 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



Light distribution files

### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 62.0° / 86.0°  
 Efficiency 75 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C13333\_MIRELLA-CL

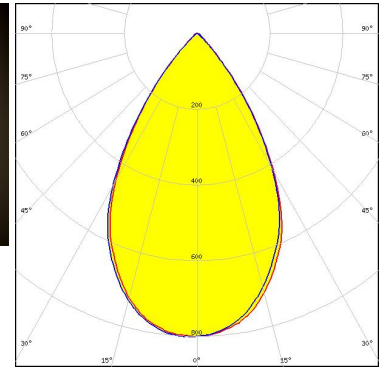
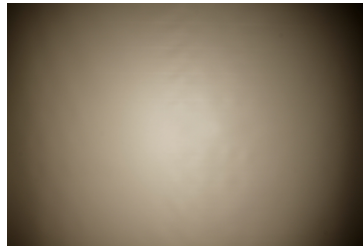


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

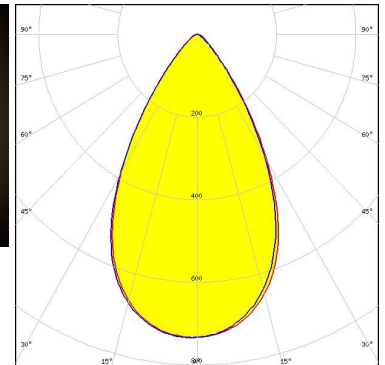
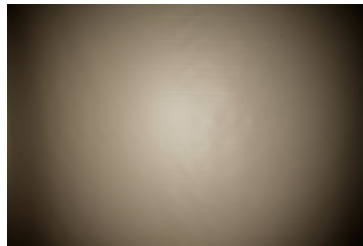
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 62.0° / 88.0°  
 Efficiency 79 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

#### SAMSUNG

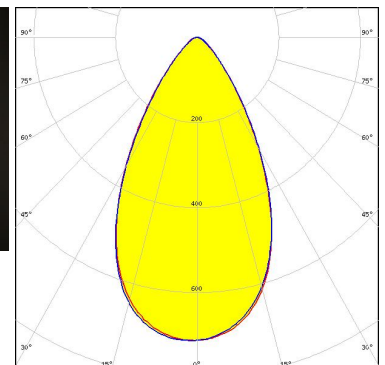
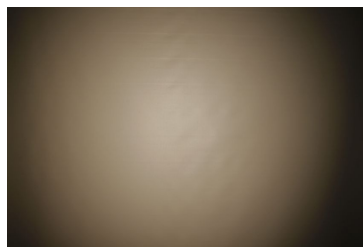
LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 60.0° / 90.0°  
 Efficiency 73 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C12479\_MIRELLA-DL



Light distribution files

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM 57.0° / 94.0°  
 Efficiency 71 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C13723\_MIRELLA-RZL

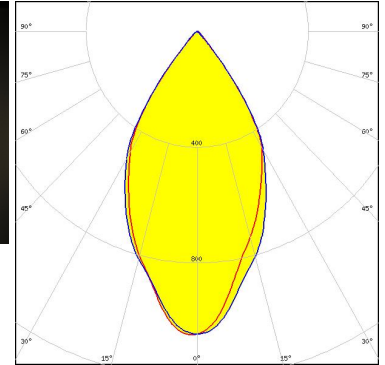


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

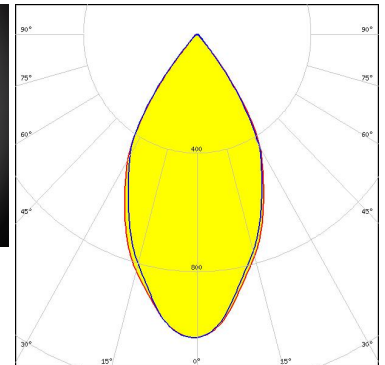
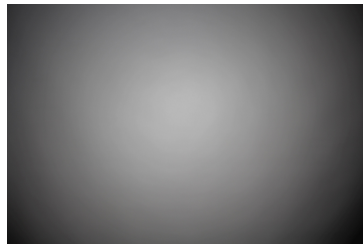
LED LC020C  
FWHM / FWTM 56.0° / 82.0°  
Efficiency 83 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15848\_HEKLA-SOCKET-G



Light distribution files

#### SAMSUNG

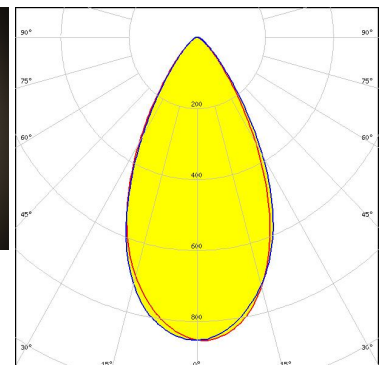
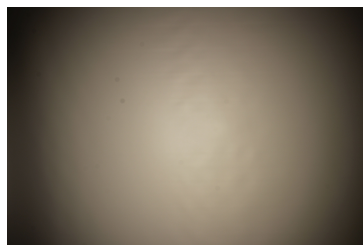
LED LC020C G2  
FWHM / FWTM 55.0° / 81.0°  
Efficiency 81 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I



Light distribution files

#### TRIDONIC

LED SLE G7 LES09  
FWHM / FWTM 54.0° / 89.0°  
Efficiency 76 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C  
C13723\_MIRELLA-RZL



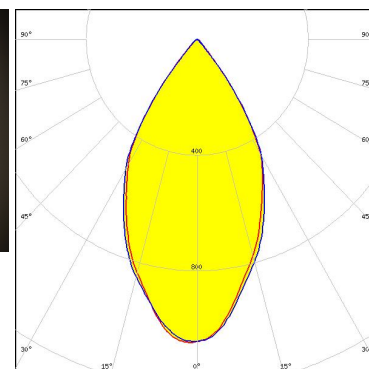
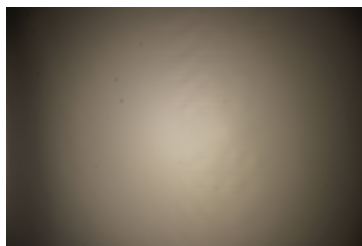
Light distribution files



#### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

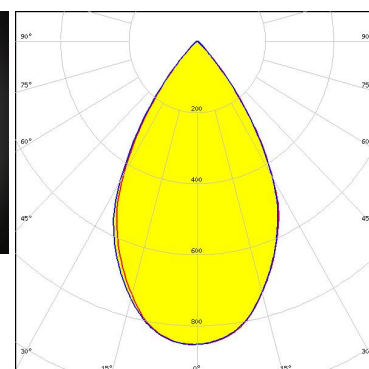
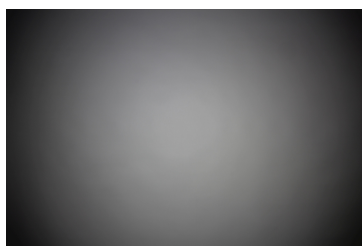
LED SLE G7 LES09  
 FWHM / FWTM 56.0° / 82.0°  
 Efficiency 84 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

#### TRIDONIC

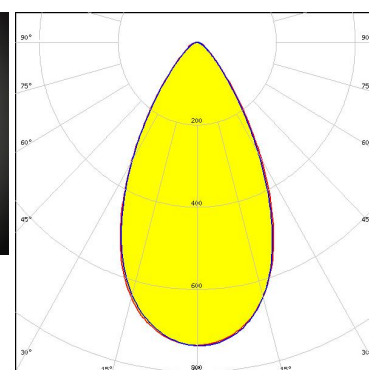
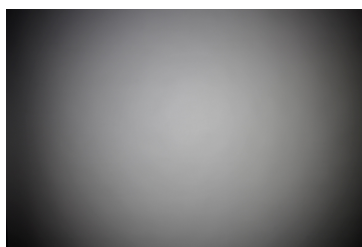
LED SLE G7 LES13  
 FWHM / FWTM 61.0° / 86.0°  
 Efficiency 79 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

#### TRIDONIC

LED SLE G7 LES13  
 FWHM / FWTM 56.0° / 92.0°  
 Efficiency 71 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C13723\_MIRELLA-RZL

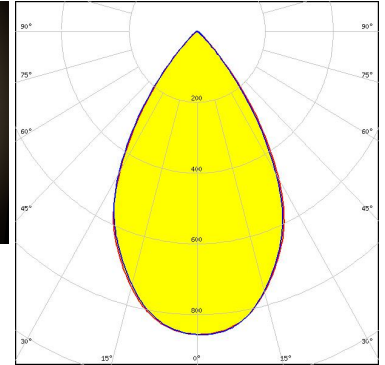


Light distribution files

## OPTICAL RESULTS (MEASURED):

### XICATO

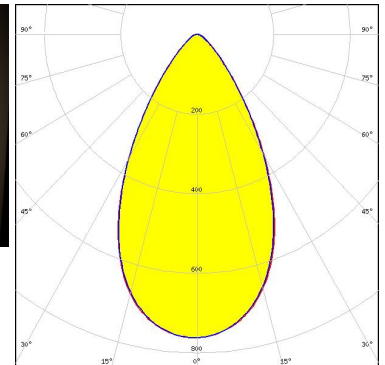
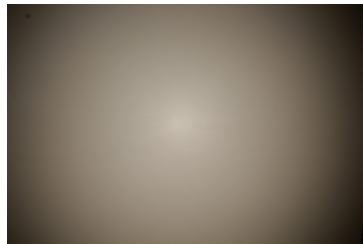
LED XOB 14.5 mm  
FWHM / FWTM 63.0° / 88.0°  
Efficiency 84 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I



Light distribution files

### XICATO

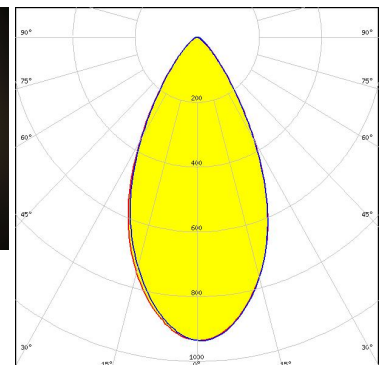
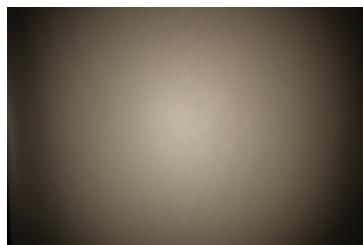
LED XOB 14.5 mm  
FWHM / FWTM 58.0° / 94.0°  
Efficiency 76 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I  
C13723\_MIRELLA-RZL



Light distribution files

### XICATO

LED XOB 6 mm  
FWHM / FWTM 53.0° / 88.0°  
Efficiency 80 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C  
C13723\_MIRELLA-RZL

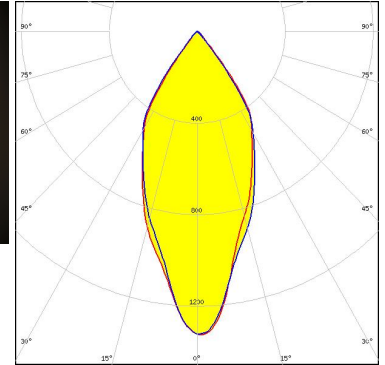
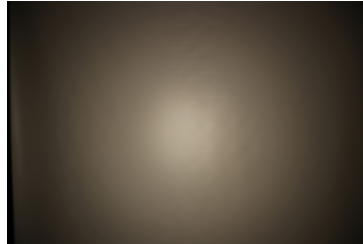


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### XICATO

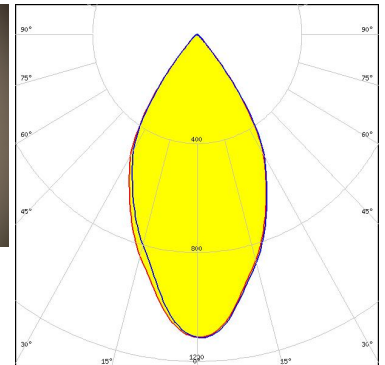
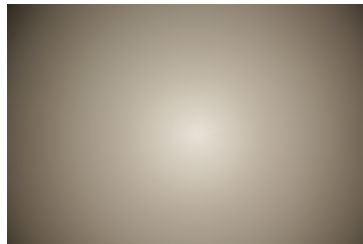
LED XOB 6 mm  
 FWHM / FWTM 44.0° / 79.0°  
 Efficiency 88 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

#### XICATO

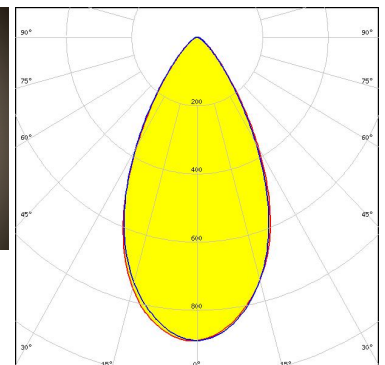
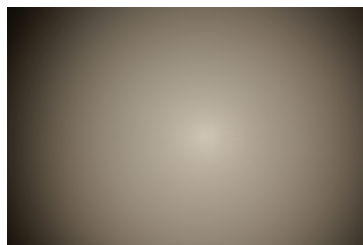
LED XOB 9.8 mm  
 FWHM / FWTM 55.0° / 82.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### XICATO

LED XOB 9.8 mm  
 FWHM / FWTM 55.0° / 90.0°  
 Efficiency 81 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C13723\_MIRELLA-RZL

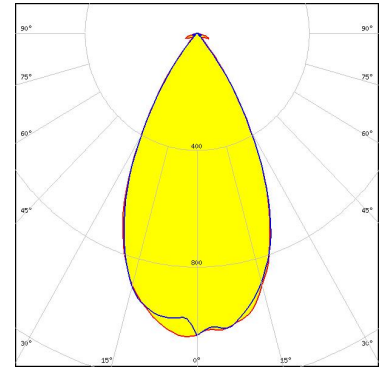


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



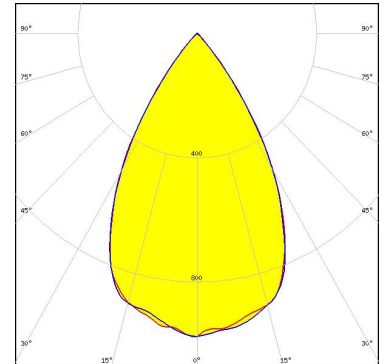
LED VERO13  
FWHM / FWTM 53.0° / 78.0°  
Efficiency 83 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16142\_HEKLA-SOCKET-K



Light distribution files



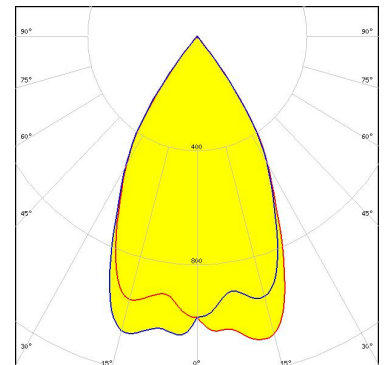
LED COB L-Type (LES 11)  
FWHM / FWTM 61.0° / 82.0°  
Efficiency 88 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15858\_HEKLA-SOCKET-H



Light distribution files



LED MJT COB LES 6  
FWHM / FWTM 58.0° / 78.0°  
Efficiency 89 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C

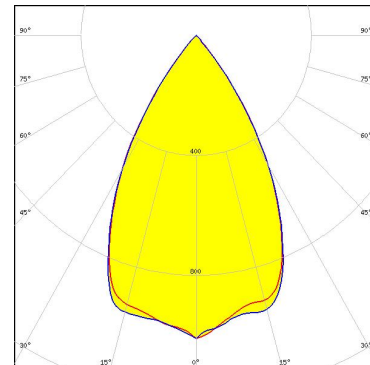


Light distribution files

## OPTICAL RESULTS (SIMULATED):



LED MJT COB LES 9.8  
FWHM / FWTM 60.0° / 80.0°  
Efficiency 87 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C



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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LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

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Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)