

## BROOKE-G2-W

~50° wide beam compatible with LEDiL HEKLA.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 45.0 mm
Height	18.9 mm
Fastening	socket
ROHS compliant	yes ⓘ

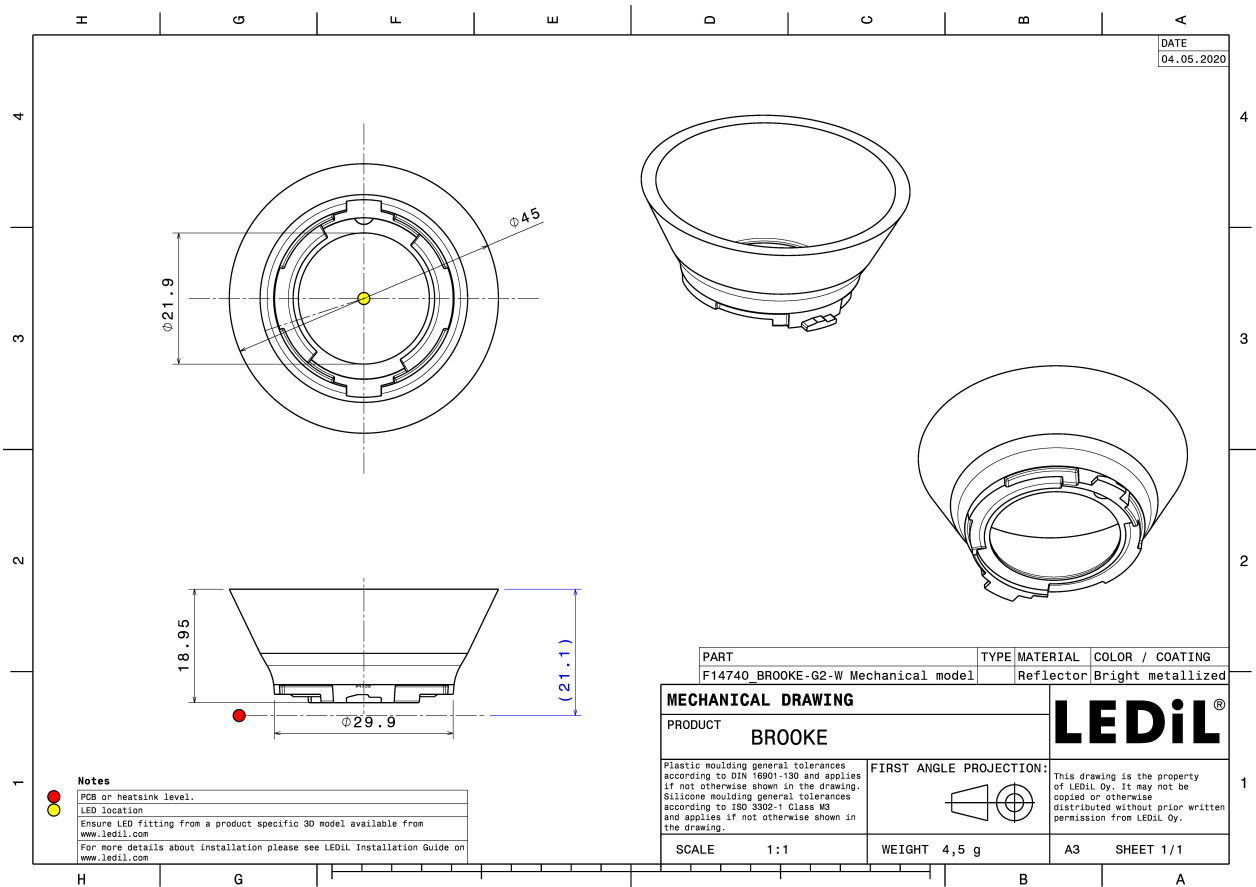
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
BROOKE-G2-W	Reflector	PC	metal		lacquer



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14740_BROOKE-G2-W » Box size: 480 x 280 x 300 mm	720	45	45	5.2



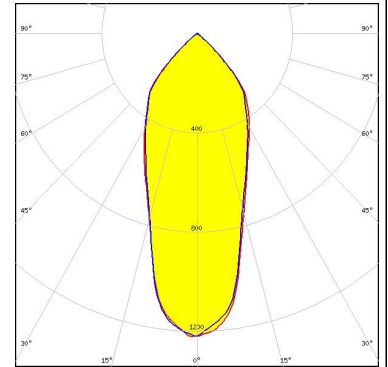
See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



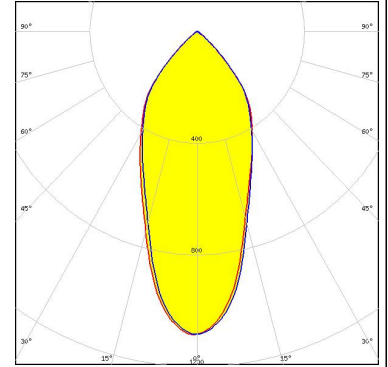
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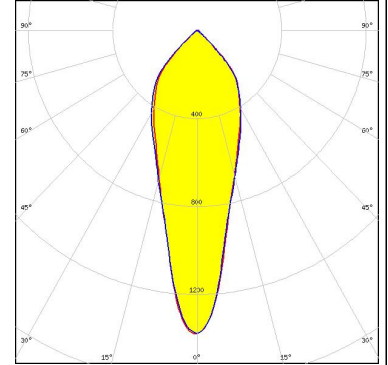
LED V10 Gen7  
FWHM 40.0°  
Efficiency 94 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



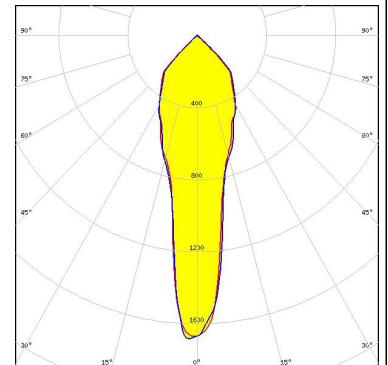
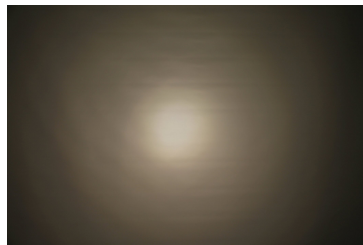
LED V10 Gen7  
FWHM 44.0°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C  
C14658\_BARBARA-RZ-LENS



LED V4 HD  
FWHM 30.0°  
Efficiency 89 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A  
C14658\_BARBARA-RZ-LENS



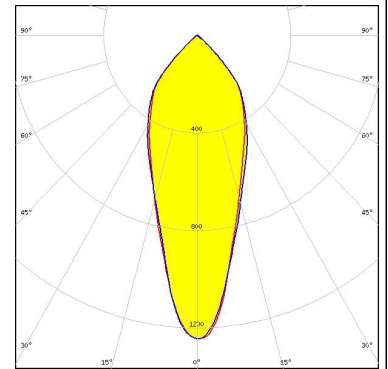
LED V4 HD  
FWHM 21.0°  
Efficiency 94 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15253\_HEKLA-SOCKET-A



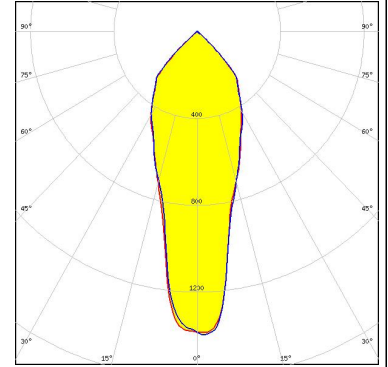
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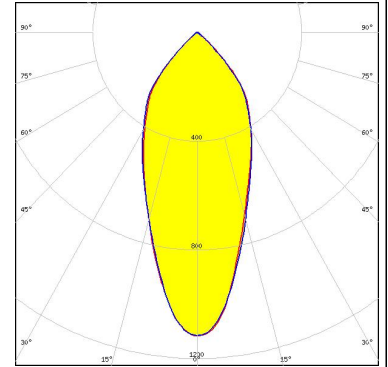
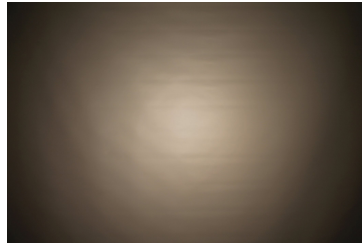
**LED** V6 HD  
**FWHM** 36.0°  
**Efficiency** 88 %  
**Peak intensity** 1.3 cd/Im  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS



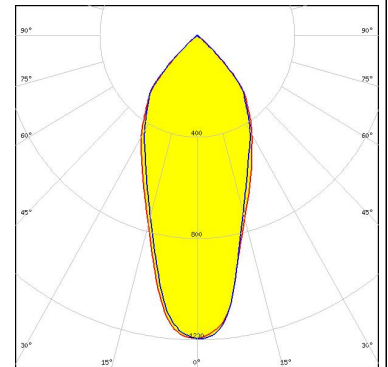
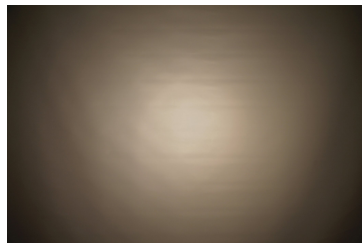
**LED** V6 HD  
**FWHM** 32.0°  
**Efficiency** 93 %  
**Peak intensity** 1.4 cd/Im  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



**LED** V9 HD  
**FWHM** 43.0°  
**Efficiency** 87 %  
**Peak intensity** 1.1 cd/Im  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I  
 C14658\_BARBARA-RZ-LENS



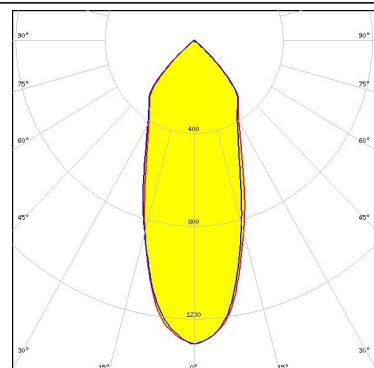
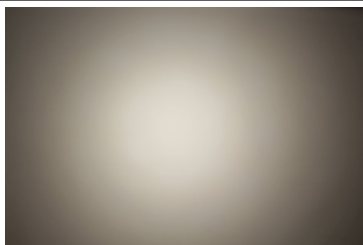
**LED** V9 HD  
**FWHM** 42.0°  
**Efficiency** 93 %  
**Peak intensity** 1.2 cd/Im  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I



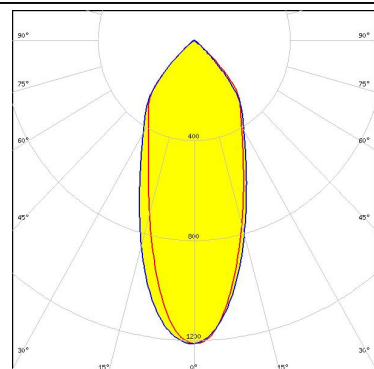
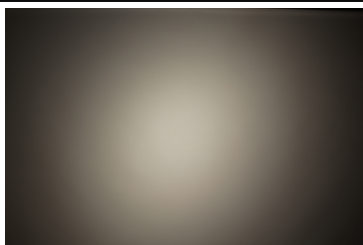
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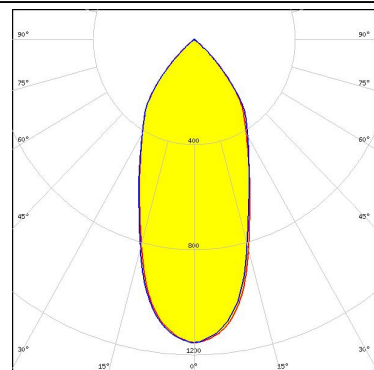
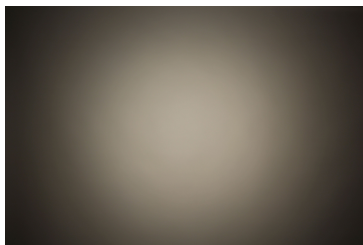
LED VERO10  
FWHM 39.0°  
Efficiency 94 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15616\_HEKLA-SOCKET-F



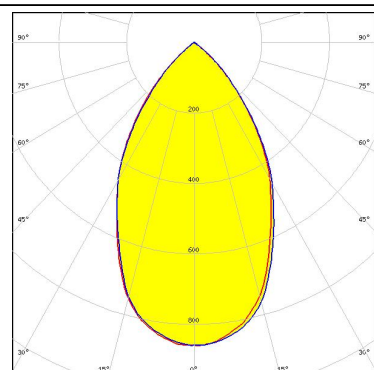
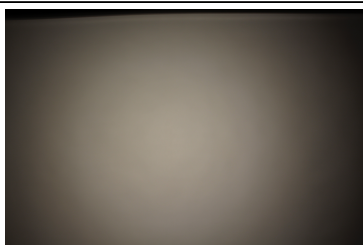
LED VERO10  
FWHM 41.0°  
Efficiency 92 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15616\_HEKLA-SOCKET-F  
C14658\_BARBARA-RZ-LENS





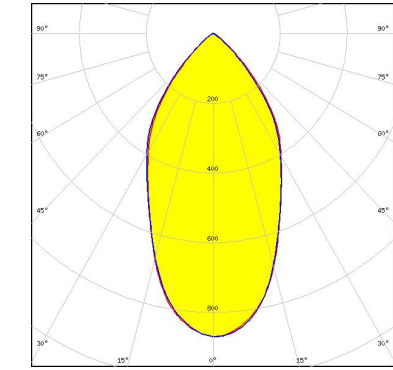


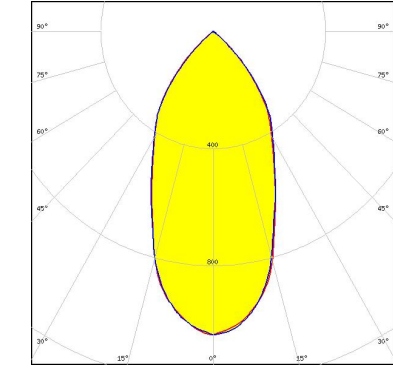

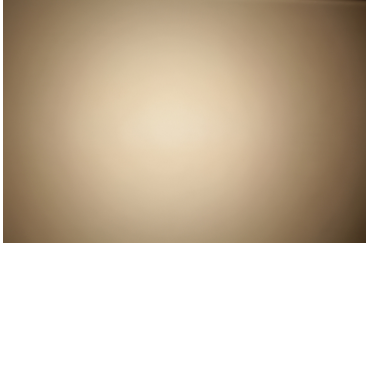
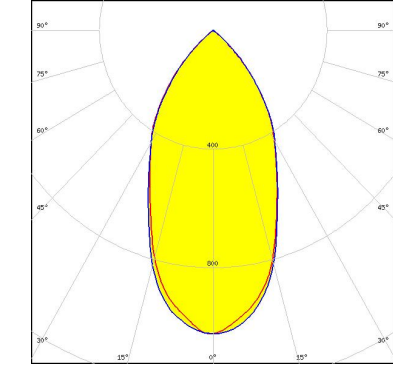

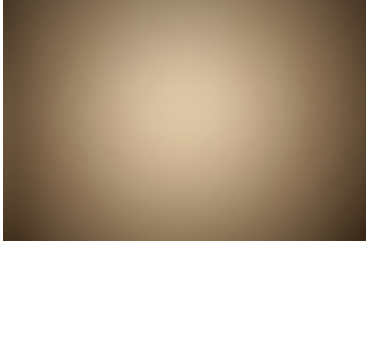
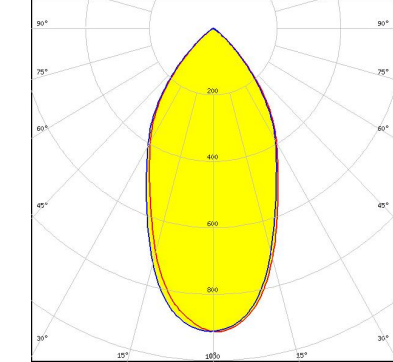
LED VERO13  
FWHM 44.0°  
Efficiency 90 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16142\_HEKLA-SOCKET-K



LED VERO18  
FWHM 62.0°  
Efficiency 89 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16142\_HEKLA-SOCKET-K



#### PHOTOMETRIC DATA (MEASURED):

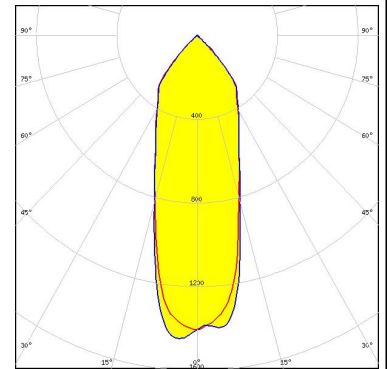
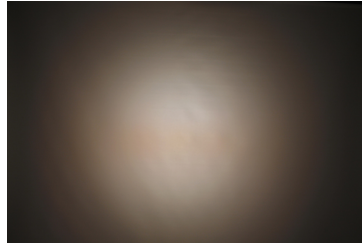
<p></p> <p>LED Vesta DTW 13mm (21W)  FWHM 55.0°  Efficiency 83 %  Peak intensity 0.9 cd/lm  LEDs/each optic 1  Light colour Tunable White  Required components:  C16142_HEKLA-SOCKET-K  C14658_BARBARA-RZ-LENS  Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 13mm (21W)  FWHM 50.0°  Efficiency 89 %  Peak intensity 1 cd/lm  LEDs/each optic 1  Light colour Tunable White  Required components:  C16142_HEKLA-SOCKET-K  Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 15mm (33W)  FWHM 52.0°  Efficiency 89 %  Peak intensity 1 cd/lm  LEDs/each optic 1  Light colour White  Required components:  C16142_HEKLA-SOCKET-K  Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 15mm (33W)  FWHM 53.0°  Efficiency 83 %  Peak intensity 0.9 cd/lm  LEDs/each optic 1  Light colour White  Required components:  C16142_HEKLA-SOCKET-K  C14658_BARBARA-RZ-LENS  Bender Wirth: 491 Typ L8</p>		



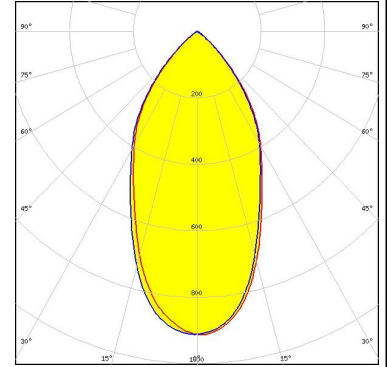
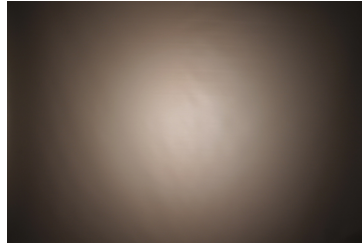
#### PHOTOMETRIC DATA (MEASURED):



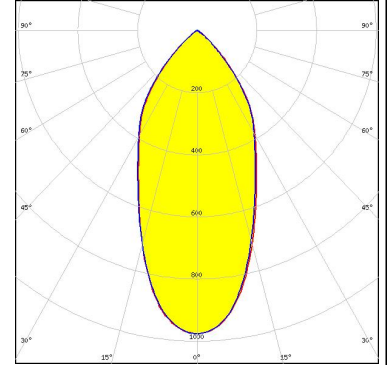
LED Vesta DTW 9mm (4W/6W/12W)  
 FWHM 34.0°  
 Efficiency 90 %  
 Peak intensity 1.5 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



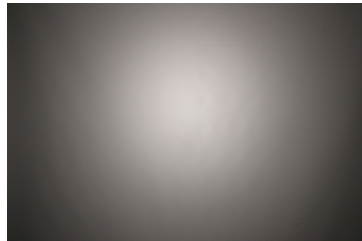
LED Vesta DTW 9mm (4W/6W/12W)  
 FWHM 41.0°  
 Efficiency 85 %  
 Peak intensity 1.1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 490 Typ L8



LED Vesta TW 13mm (25W) CSP  
 FWHM 48.0°  
 Efficiency 83 %  
 Peak intensity 1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 492 Typ L8



LED Vesta TW 6mm DP  
 FWHM 36.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 504 Typ L8



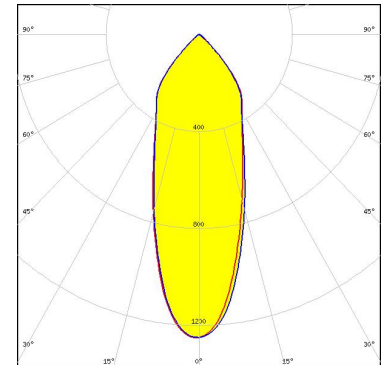
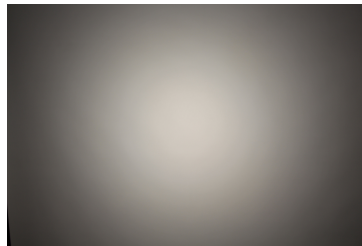
#### PHOTOMETRIC DATA (MEASURED):



LED Vesta TW 6mm DP  
 FWHM 27.0°  
 Efficiency 89 %  
 Peak intensity 1.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 504 Typ L8

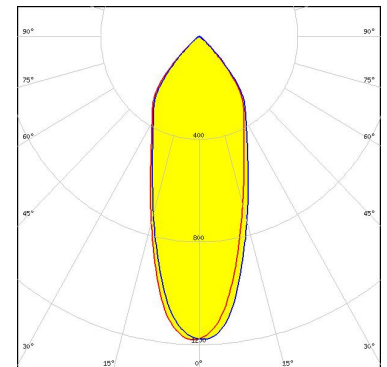
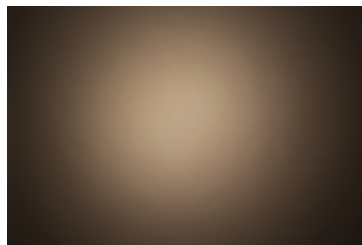


LED Vesta TW 9mm (12W) CSP  
 FWHM 36.0°  
 Efficiency 84 %  
 Peak intensity 1.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 489 Typ L8



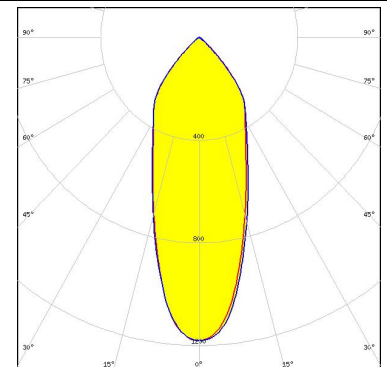
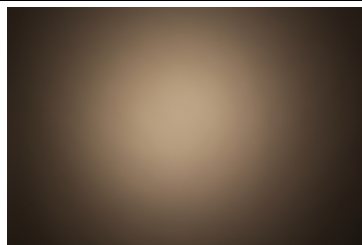
#### CITIZEN

LED CLC020 Series (Dim-To-Warm)  
 FWHM 38.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 487 Typ L8



#### CITIZEN

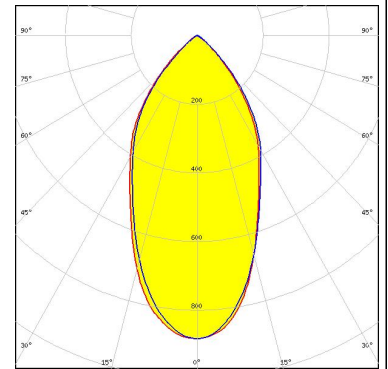
LED CLC020 Series (Dim-To-Warm)  
 FWHM 38.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 487 Typ L8



#### PHOTOMETRIC DATA (MEASURED):

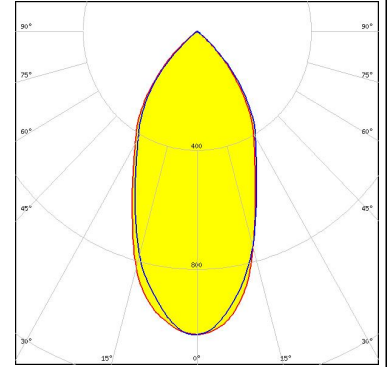
#### CITIZEN

LED CLC030 Series (Dim-To-Warm)  
 FWHM 53.0°  
 Efficiency 81 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 436 Typ L8



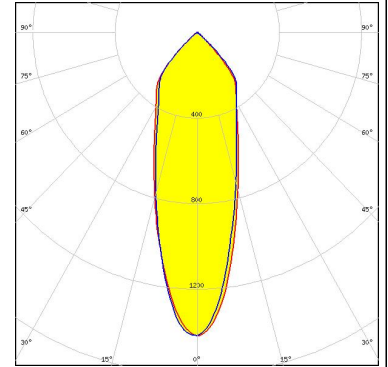
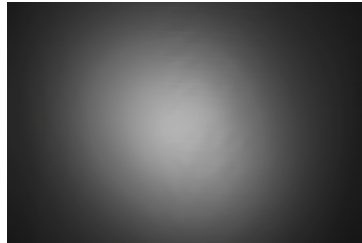
#### CITIZEN

LED CLC030 Series (Dim-To-Warm)  
 FWHM 49.0°  
 Efficiency 87 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



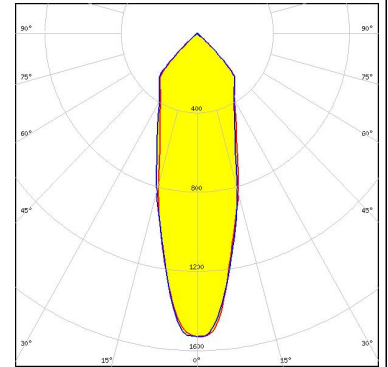
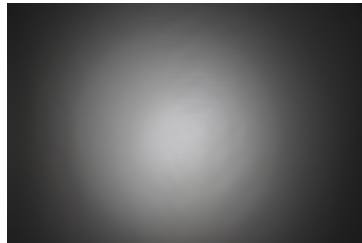
#### CITIZEN

LED CLU700/701/702  
 FWHM 33.0°  
 Efficiency 90 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS



#### CITIZEN

LED CLU700/701/702  
 FWHM 32.0°  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

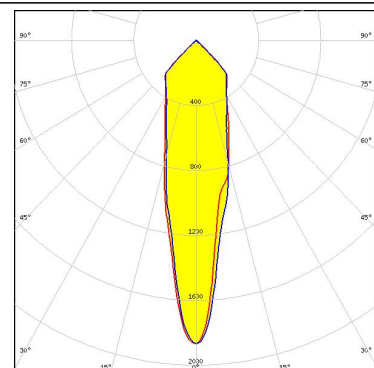
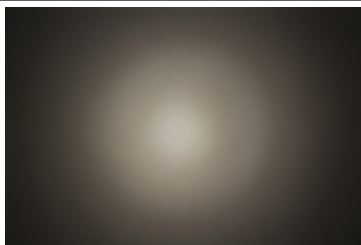




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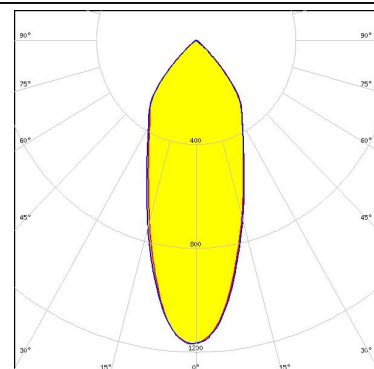
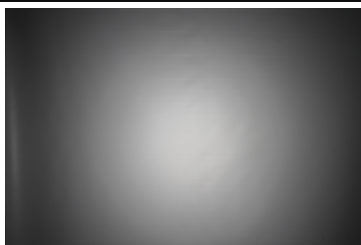
#### CITIZEN

LED CLU7A2 (LES 4.2mm)  
 FWHM 24.0°  
 Efficiency 93 %  
 Peak intensity 1.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



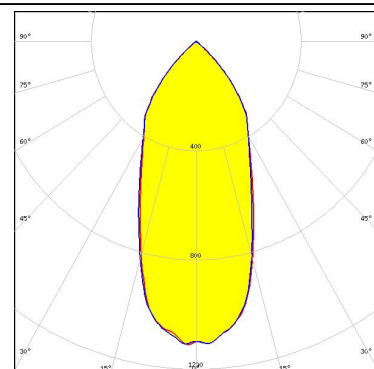
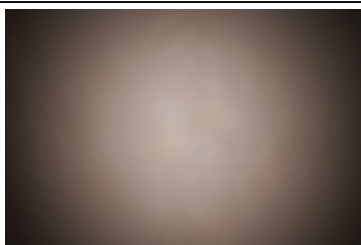
#### CITIZEN

LED LCN-C01B (Tunable White)  
 FWHM 38.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 481 Typ L8



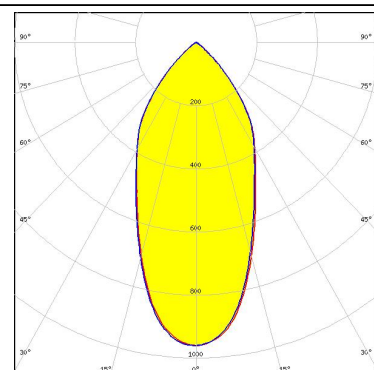
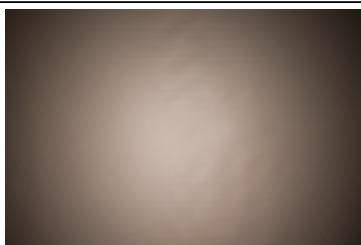
#### CITIZEN

LED LCN-C02B (Tunable White)  
 FWHM 45.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



#### CITIZEN

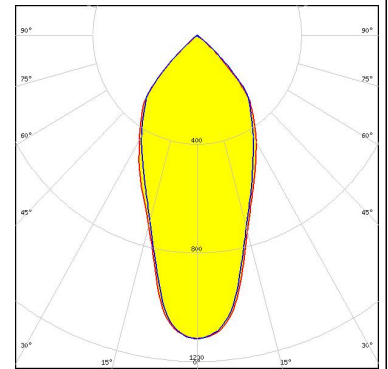
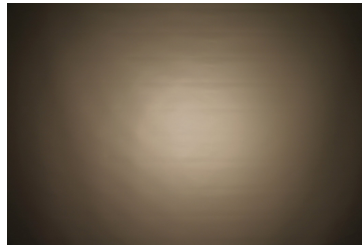
LED LCN-C02B (Tunable White)  
 FWHM 48.0°  
 Efficiency 83 %  
 Peak intensity 1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 481 Typ L8



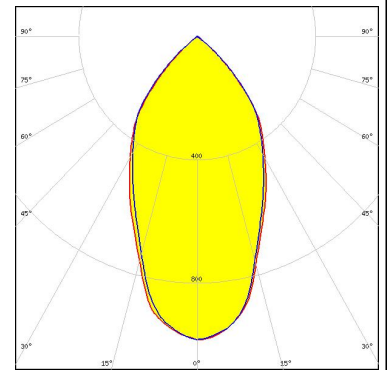
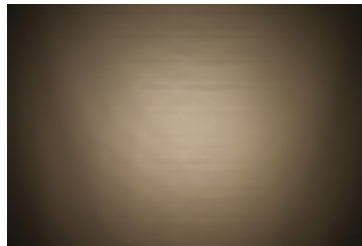
#### PHOTOMETRIC DATA (MEASURED):



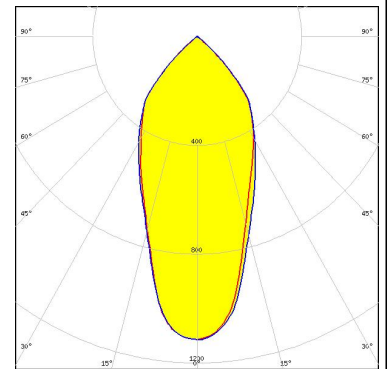
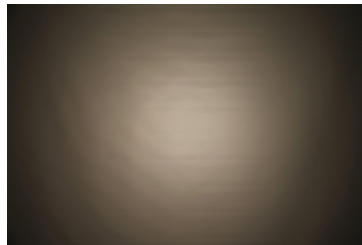
LED CMA1516  
FWHM 45.0°  
Efficiency 93 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15256\_HEKLA-SOCKET-D



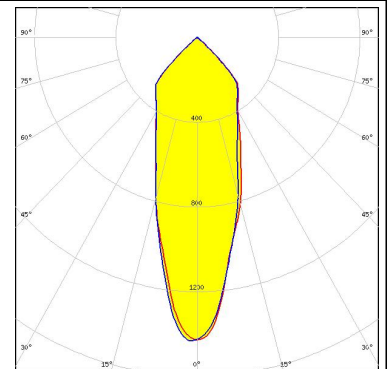
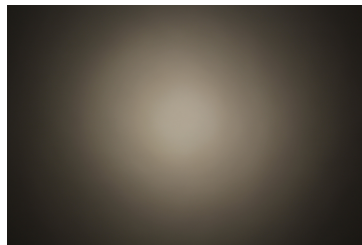
LED CMA1825  
FWHM 55.0°  
Efficiency 93 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15254\_HEKLA-SOCKET-B



LED CMT14xx  
FWHM 45.0°  
Efficiency 93 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



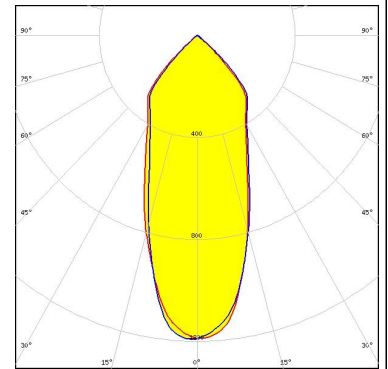
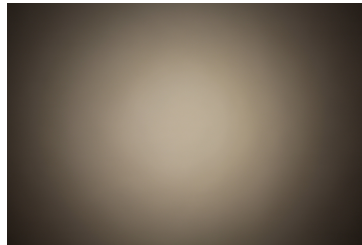
LED CXA/B 13xx  
FWHM 34.0°  
Efficiency 94 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15956\_HEKLA-SOCKET-J



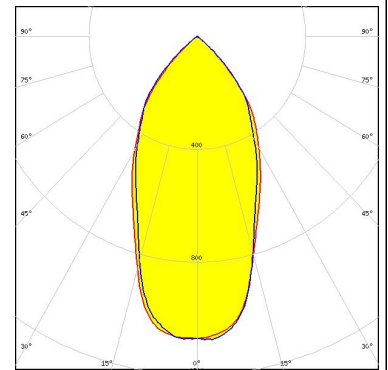
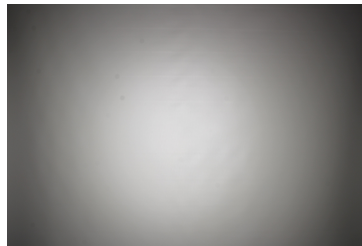
#### PHOTOMETRIC DATA (MEASURED):



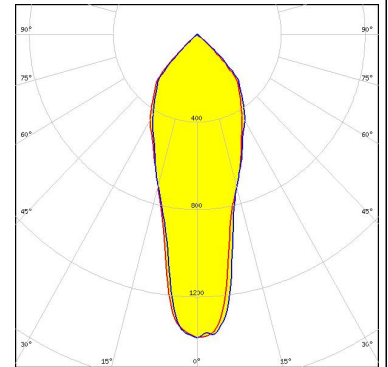
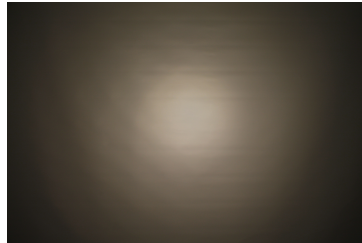
LED CXA/B 15xx  
FWHM 41.0°  
Efficiency 93 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15256\_HEKLA-SOCKET-D



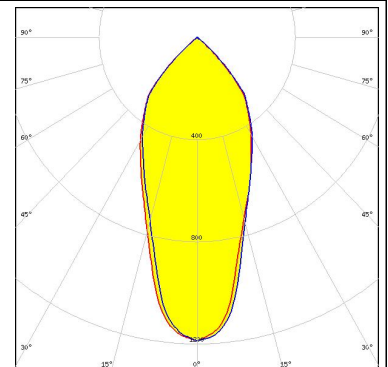
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM 51.0°  
Efficiency 94 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15256\_HEKLA-SOCKET-D



LED LUXEON CoB 1202HD  
FWHM 32.0°  
Efficiency 93 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15848\_HEKLA-SOCKET-G



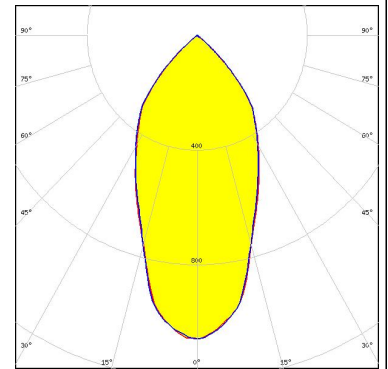
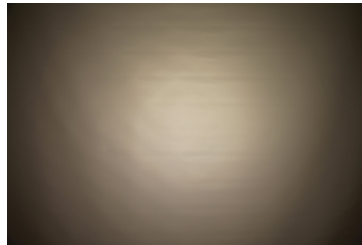
LED LUXEON CoB 1204HD  
FWHM 44.0°  
Efficiency 95 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15858\_HEKLA-SOCKET-H



#### PHOTOMETRIC DATA (MEASURED):

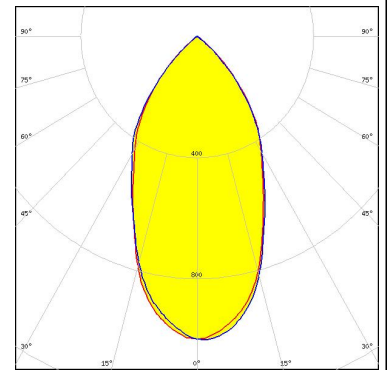
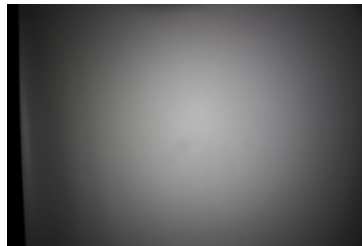
##### LUMILEDS

LED LUXEON CoB 1205HD  
FWHM 50.0°  
Efficiency 93 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15858\_HEKLA-SOCKET-H



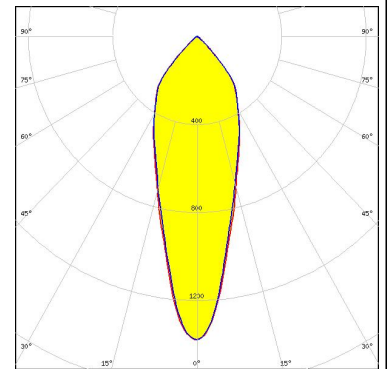
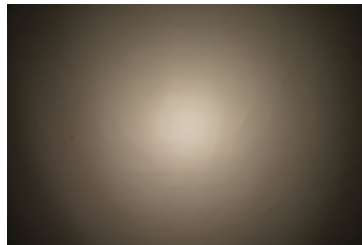
##### LUMILEDS

LED LUXEON CoB 1208  
FWHM 54.0°  
Efficiency 91 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 632a Hekla XL



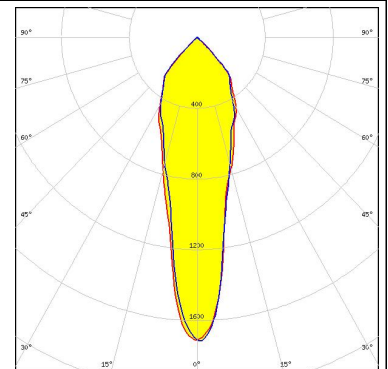
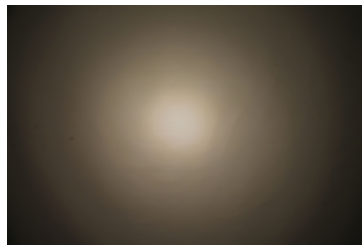
##### LUMILEDS

LED LUXEON CX Plus CoB - HD S01H4  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14658\_BARBARA-RZ-LENS  
Bender Wirth: 634c Hekla



##### LUMILEDS

LED LUXEON CX Plus CoB - HD S01H4  
FWHM 25.0°  
Efficiency 92 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 634c Hekla

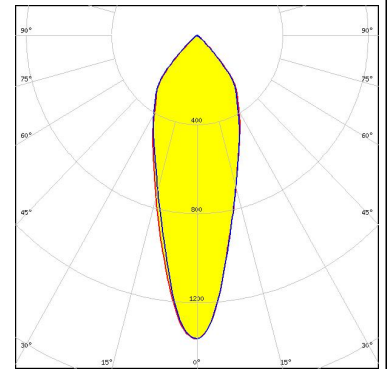
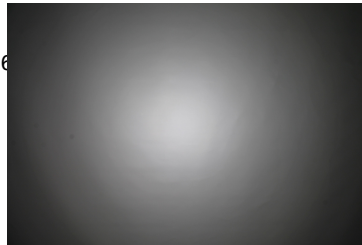




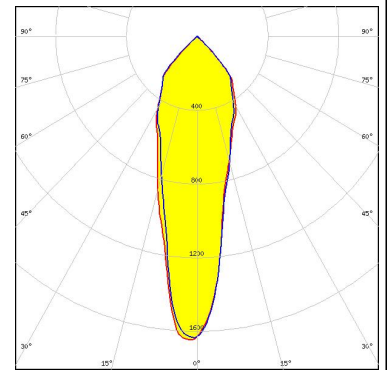
#### PHOTOMETRIC DATA (MEASURED):



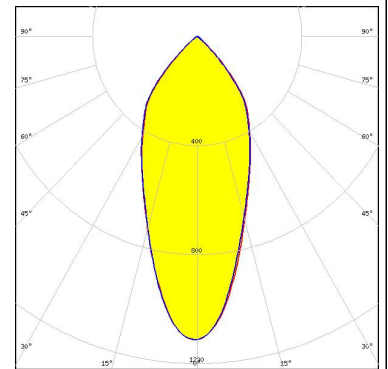
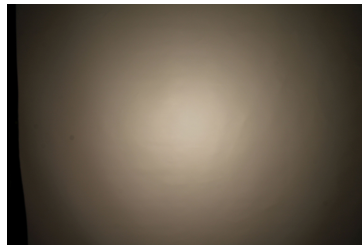
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6  
 FWHM 32.0°  
 Efficiency 86 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 634c Hekla



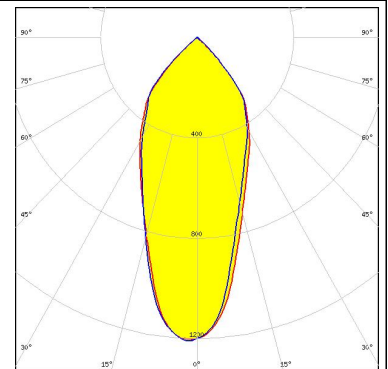
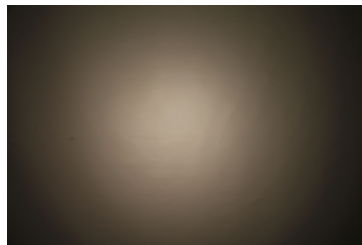
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6  
 FWHM 27.0°  
 Efficiency 92 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



LED LUXEON CX Plus CoB - HD S04H9  
 FWHM 43.0°  
 Efficiency 86 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 634c Hekla



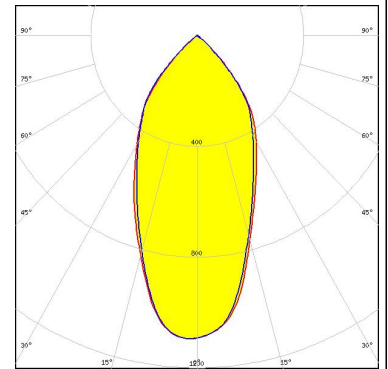
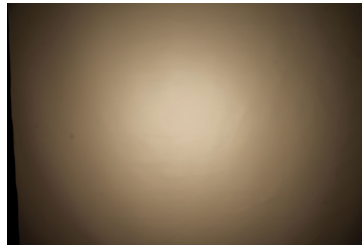
LED LUXEON CX Plus CoB - HD S04H9  
 FWHM 42.0°  
 Efficiency 92 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



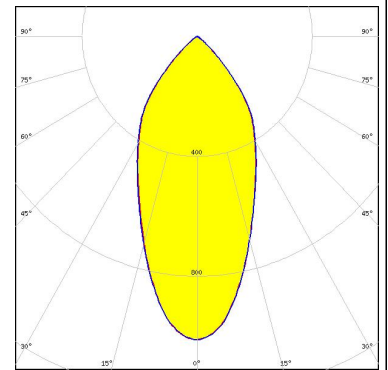
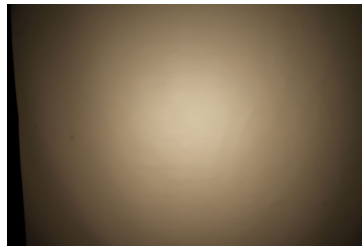
#### PHOTOMETRIC DATA (MEASURED):



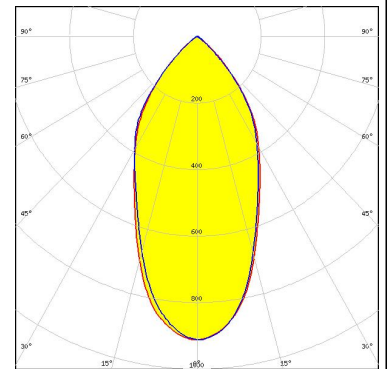
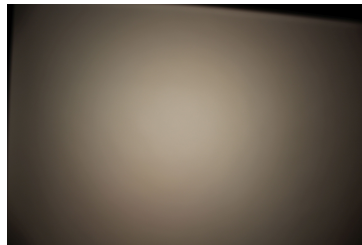
LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 FWHM 50.0°  
 Efficiency 92 %  
 Peak intensity 1.1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 637a Hekla



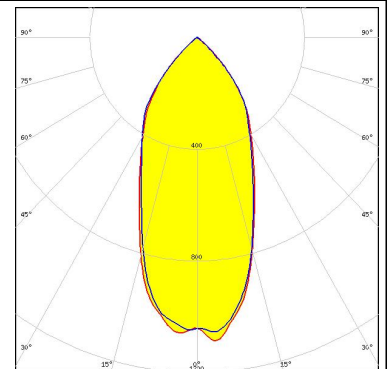
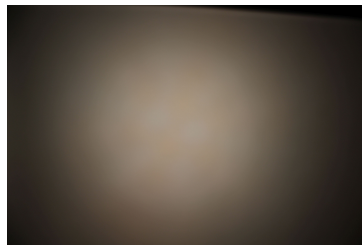
LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 FWHM 48.0°  
 Efficiency 85 %  
 Peak intensity 1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 637a Hekla



LED CDM-14 (Dim-To-Warm)  
 FWHM 51.0°  
 Efficiency 81 %  
 Peak intensity 0.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 491 Typ L8



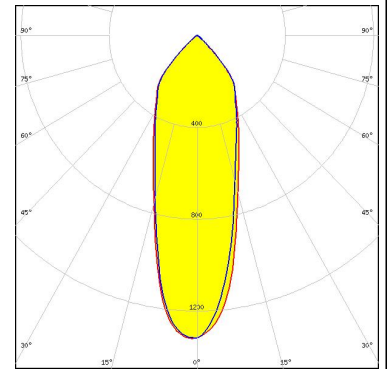
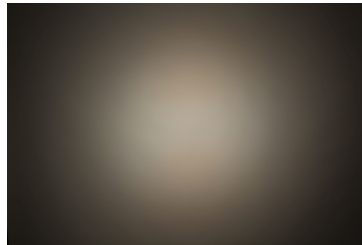
LED CDM-14 (Dim-To-Warm)  
 FWHM 46.0°  
 Efficiency 86 %  
 Peak intensity 1.1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 491 Typ L8



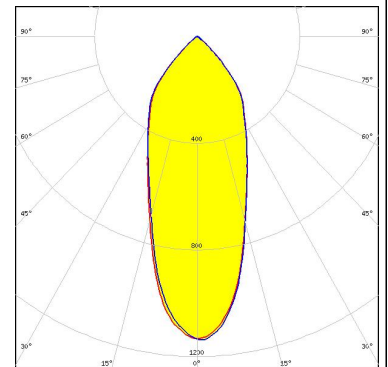
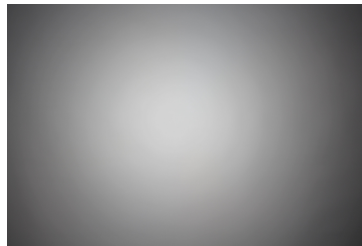
#### PHOTOMETRIC DATA (MEASURED):



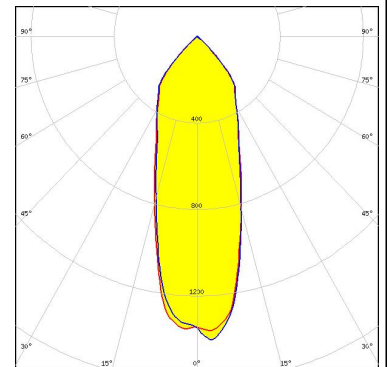
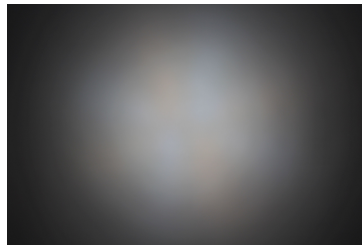
LED CDM-6 (Dim-To-Warm)  
 FWHM 33.0°  
 Efficiency 85 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 490 Typ L8



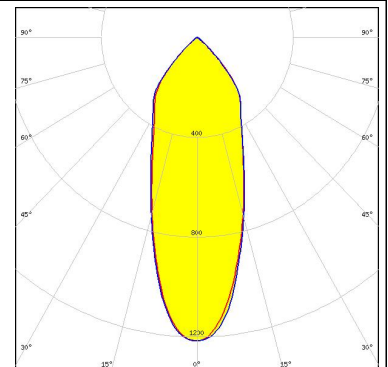
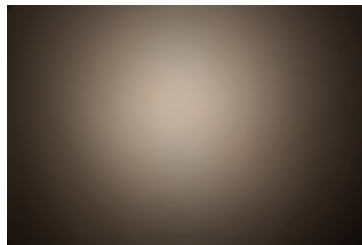
LED CDM-9 (Dim-To-Warm)  
 FWHM 40.0°  
 Efficiency 84 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 490 Typ L8



LED CDM-9 (Dim-To-Warm)  
 FWHM 35.0°  
 Efficiency 88 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



LED CTM-9 (Tunable White)  
 FWHM 37.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 495 Typ L8

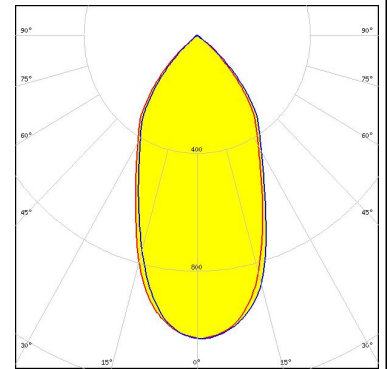
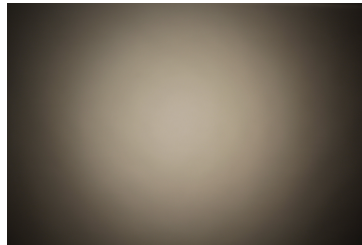




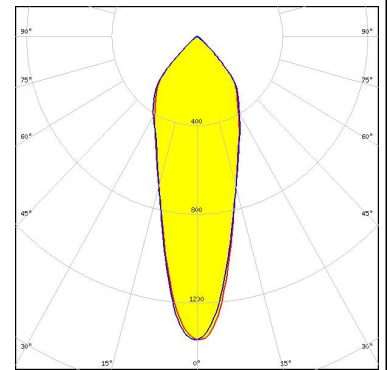
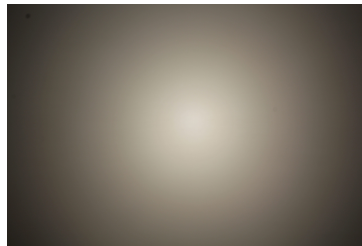
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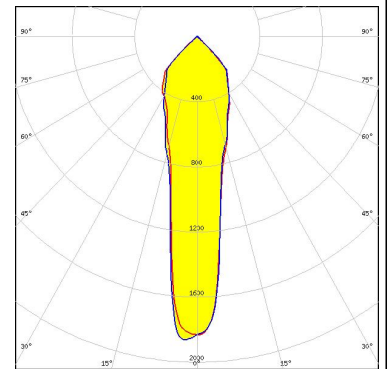
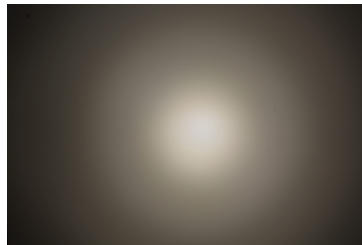
LED CxM-14 (19x19)  
 FWHM 51.0°  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



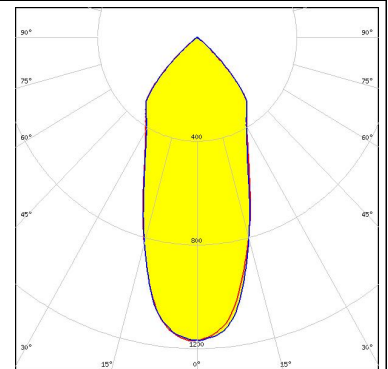
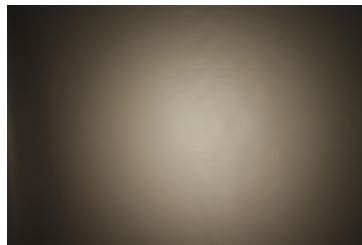
LED CXM-4  
 FWHM 31.0°  
 Efficiency 88 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS



LED CXM-4  
 FWHM 20.0°  
 Efficiency 93 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



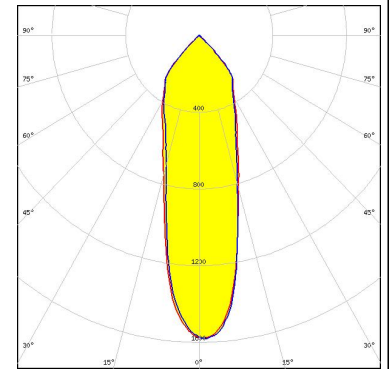
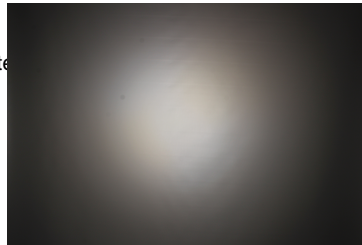
LED CxM-9 (13.5x13.5)  
 FWHM 43.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



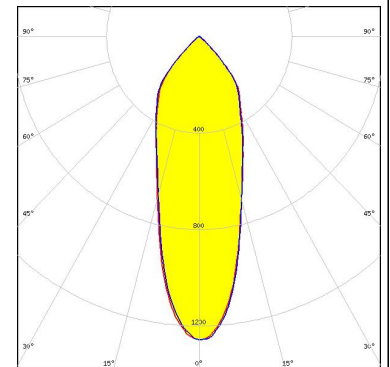
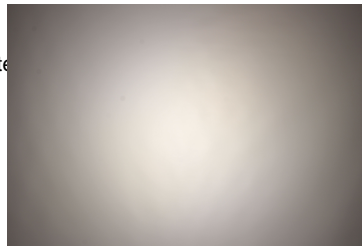
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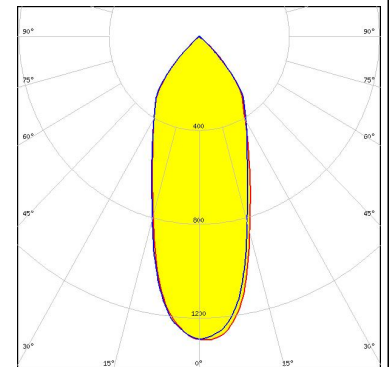
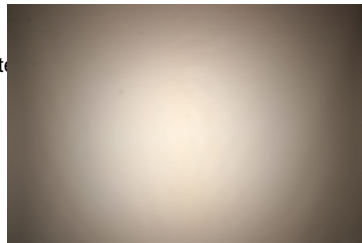
LED NJCWL024Z-V1MT: COB L-Type Tunable White  
 FWHM 29.0°  
 Efficiency 87 %  
 Peak intensity 1.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 497 Typ L8



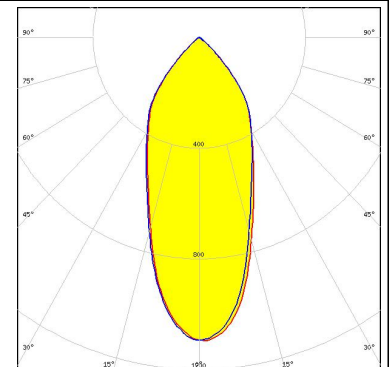
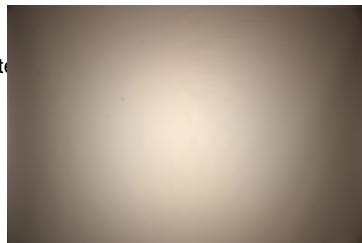
LED NJCWL024Z-V1MT: COB L-Type Tunable White  
 FWHM 34.0°  
 Efficiency 81 %  
 Peak intensity 1.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 497 Typ L8



LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 FWHM 39.0°  
 Efficiency 90 %  
 Peak intensity 1.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 498 Typ L8



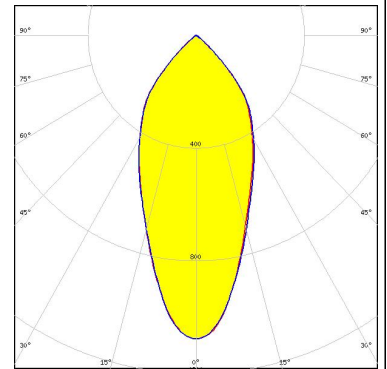
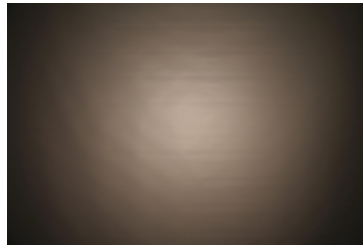
LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 FWHM 43.0°  
 Efficiency 84 %  
 Peak intensity 1.1 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 498 Typ L8



#### PHOTOMETRIC DATA (MEASURED):

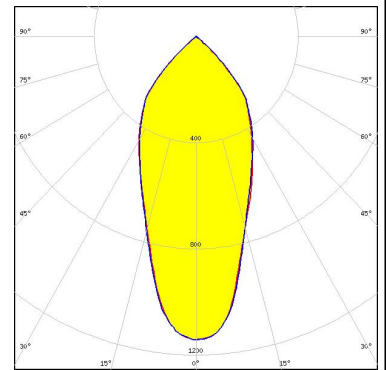
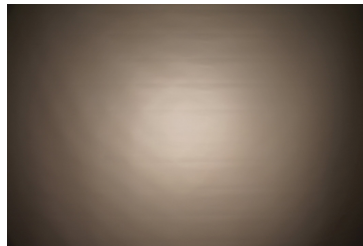
#### PHILIPS

LED Fortimo SLM L09 CoB  
 FWHM 45.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H  
 C14658\_BARBARA-RZ-LENS



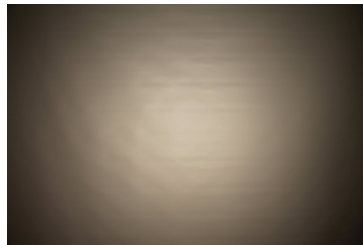
#### PHILIPS

LED Fortimo SLM L09 CoB  
 FWHM 45.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



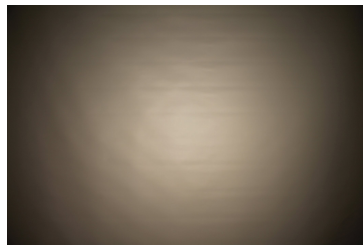
#### PHILIPS

LED Fortimo SLM L13 CoB  
 FWHM 51.0°  
 Efficiency 90 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8



#### PHILIPS

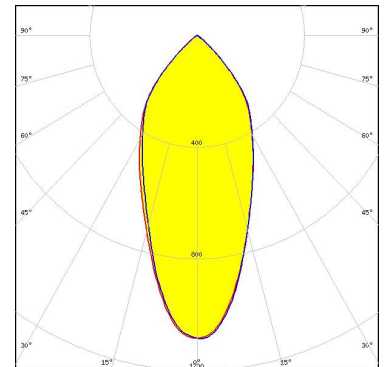
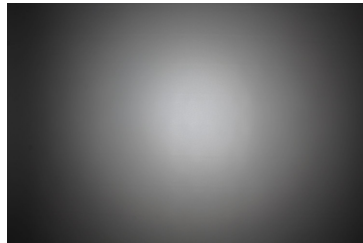
LED Fortimo SLM L13 CoB  
 FWHM 53.0°  
 Efficiency 84 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 432 Typ L8



#### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM 44.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS

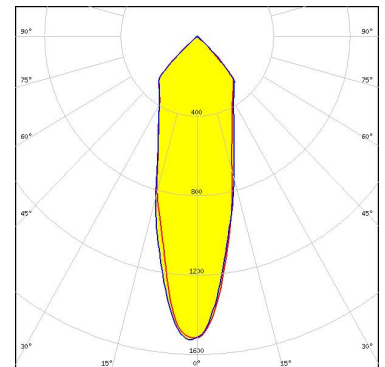
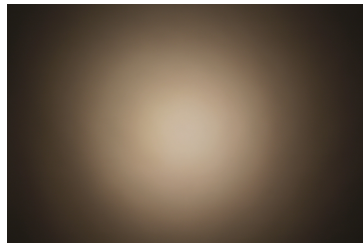


#### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM 43.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

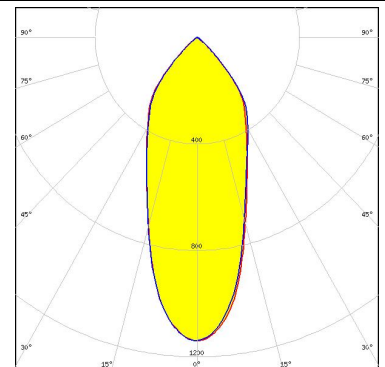
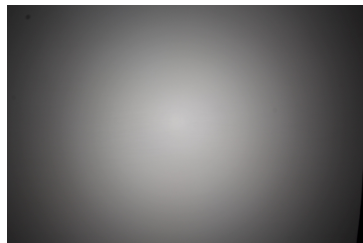
#### SAMSUNG

LED LC010C G2  
 FWHM 31.0°  
 Efficiency 92 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### SAMSUNG

LED LC010T (Tunable White)  
 FWHM 40.0°  
 Efficiency 85 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 501 Typ L8

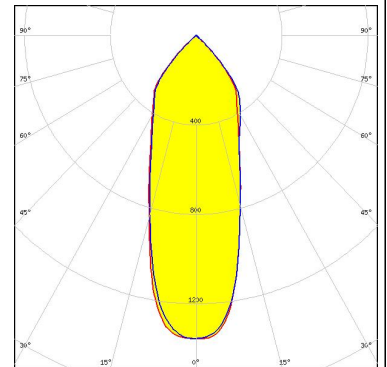
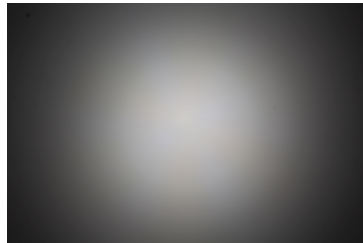




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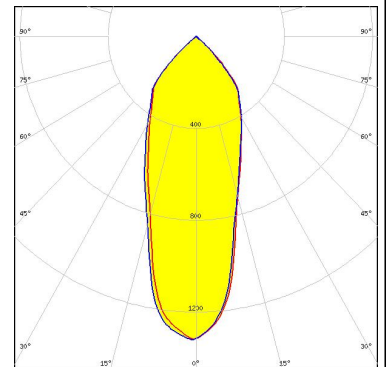
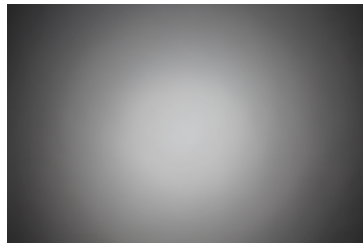
#### SAMSUNG

LED LC010T (Tunable White)  
 FWHM 37.0°  
 Efficiency 90 %  
 Peak intensity 1.4 cd/Im  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



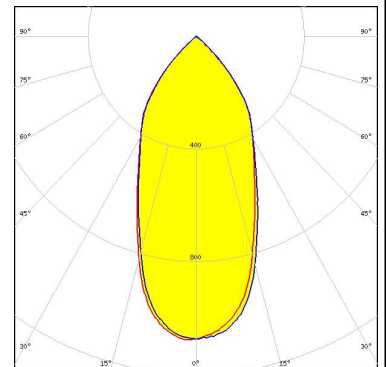
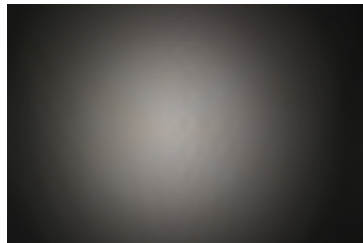
#### SAMSUNG

LED LC020C G2  
 FWHM 38.0°  
 Efficiency 93 %  
 Peak intensity 1.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



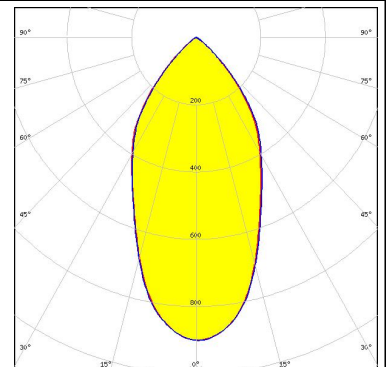
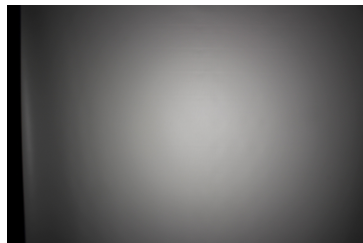
#### SAMSUNG

LED LC020T (Tunable white)  
 FWHM 48.0°  
 Efficiency 89 %  
 Peak intensity 1.1 cd/Im  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



#### SAMSUNG

LED LC020T (Tunable white)  
 FWHM 53.0°  
 Efficiency 83 %  
 Peak intensity 0.9 cd/Im  
 LEDs/each optic 1  
 Light colour Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 501 Typ L8



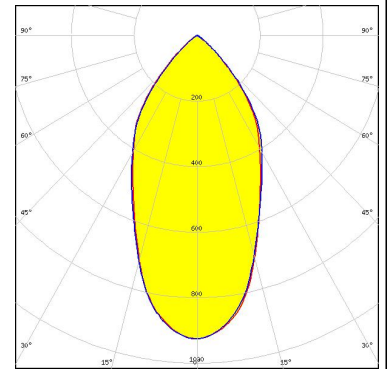
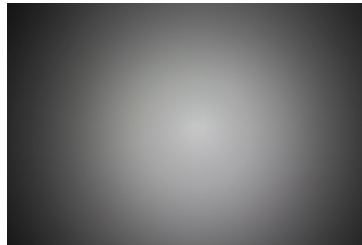
#### PHOTOMETRIC DATA (MEASURED):

<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 6</p> <p>FWHM 32.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 9.8</p> <p>FWHM 20.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>TRIDONIC</b></p> <p>LED SLE G7 LES09</p> <p>FWHM 40.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>TRIDONIC</b></p> <p>LED SLE G7 LES09</p> <p>FWHM 41.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS</p>		

#### PHOTOMETRIC DATA (MEASURED):

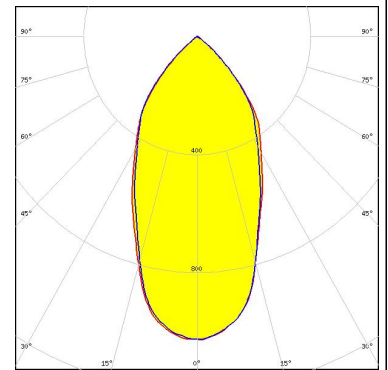
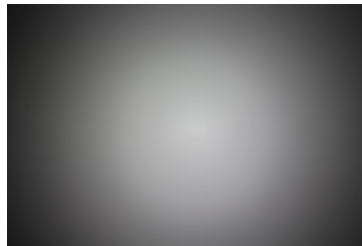
#### TRIDONIC

LED SLE G7 LES13  
 FWHM 53.0°  
 Efficiency 86 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C14658\_BARBARA-RZ-LENS



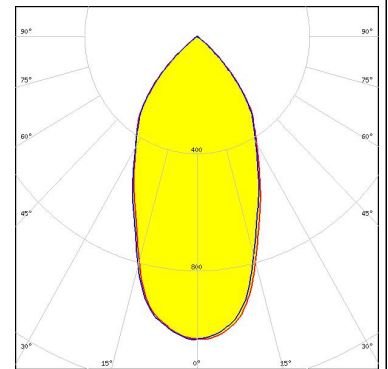
#### TRIDONIC

LED SLE G7 LES13  
 FWHM 52.0°  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



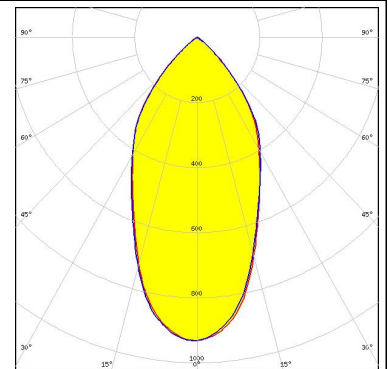
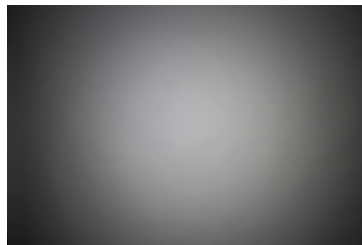
#### TRIDONIC

LED SLE G7 LES13  
 FWHM 51.0°  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



#### TRIDONIC

LED SLE G7 LES13  
 FWHM 53.0°  
 Efficiency 86 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C14658\_BARBARA-RZ-LENS

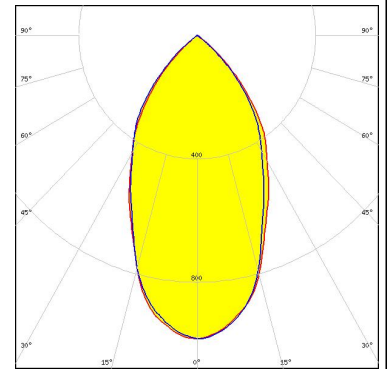
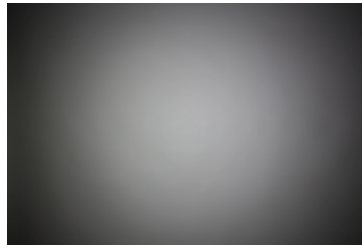




#### PHOTOMETRIC DATA (MEASURED):

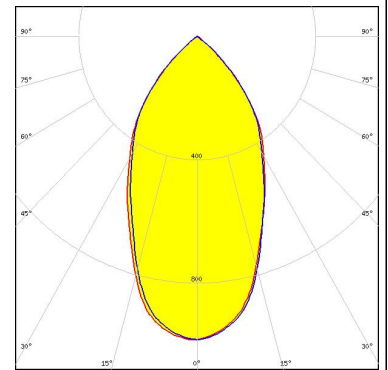
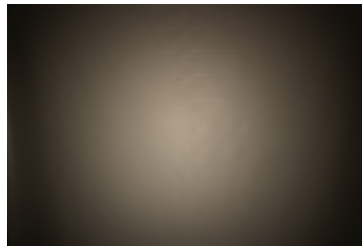
#### TRIDONIC

LED SLE G7 LES15  
FWHM 55.0°  
Efficiency 93 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



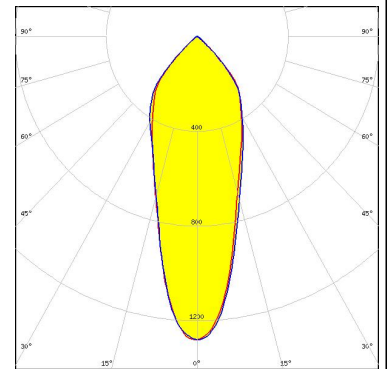
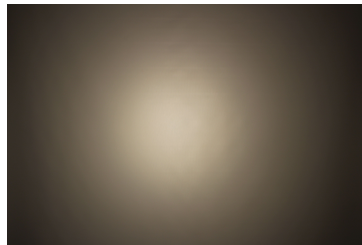
#### XICATO

LED XOB 14.5 mm  
FWHM 55.0°  
Efficiency 94 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



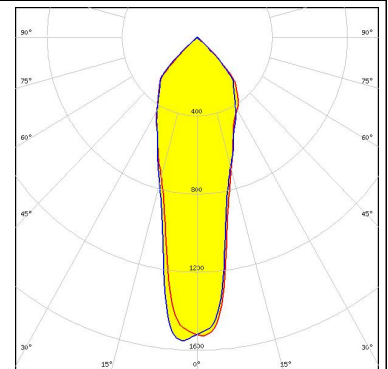
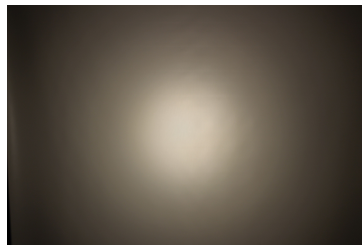
#### XICATO

LED XOB 6 mm  
FWHM 34.0°  
Efficiency 87 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C  
C14658\_BARBARA-RZ-LENS



#### XICATO

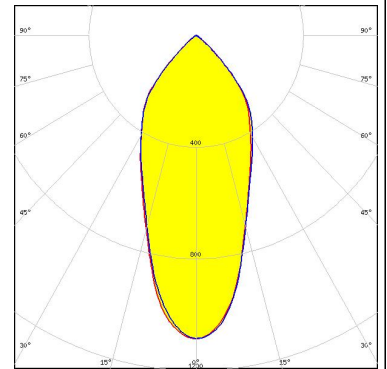
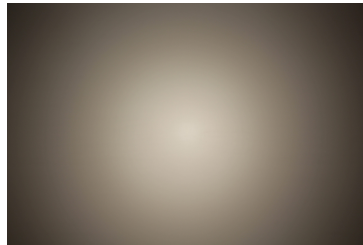
LED XOB 6 mm  
FWHM 27.0°  
Efficiency 93 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (MEASURED):

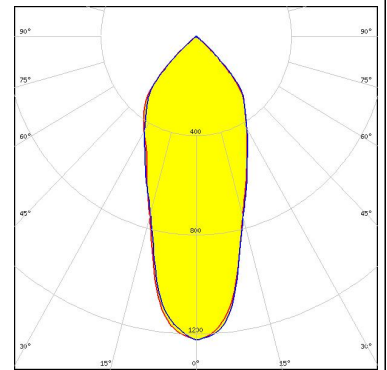
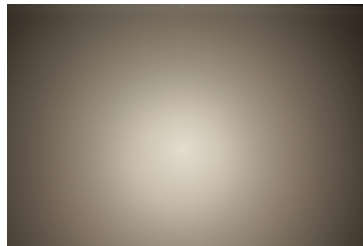
#### XICATO

LED XOB 9.8 mm  
FWHM 44.0°  
Efficiency 89 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C  
C14658\_BARBARA-RZ-LENS



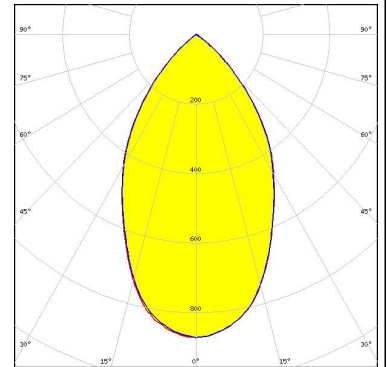
#### XICATO

LED XOB 9.8 mm  
FWHM 40.0°  
Efficiency 94 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



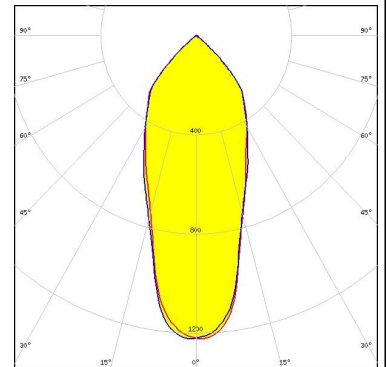
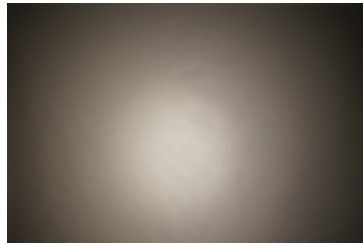
#### XICATO

LED XTM - 19mm LES  
FWHM 62.0°  
Efficiency 91 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15743\_XTM-ADAPTER-50-B



#### XICATO

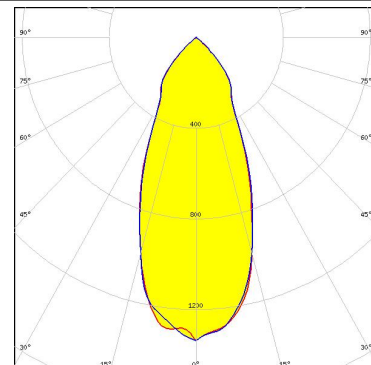
LED XTM - 9mm LES  
FWHM 41.0°  
Efficiency 94 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15743\_XTM-ADAPTER-50-B



#### PHOTOMETRIC DATA (SIMULATED):



LED V13 Gen6  
 FWHM 44.0°  
 Efficiency 91 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F14988\_HEKLA-SOCKET-E



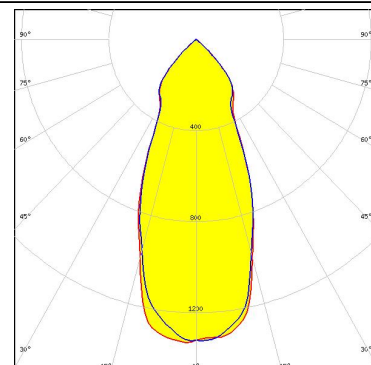
LED V8 Gen6  
 FWHM 42.5°  
 Efficiency 0 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



LED V8 Gen6  
 FWHM 42.5°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15253\_HEKLA-SOCKET-A

#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 43.0°  
 Efficiency 92 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



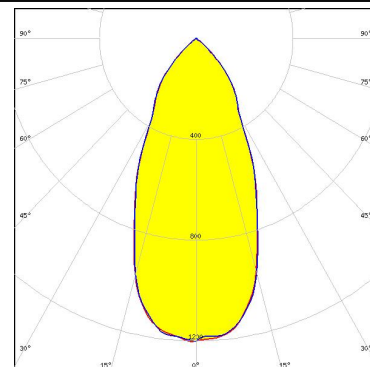
#### PHOTOMETRIC DATA (SIMULATED):

#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 45.0°  
 Efficiency 0 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

#### CITIZEN

LED CLL03x/CLU03x  
 FWHM 47.0°  
 Efficiency 92 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



#### CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 46.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15254\_HEKLA-SOCKET-B

#### CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 46.0°  
 Efficiency 0 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15254\_HEKLA-SOCKET-B

#### PHOTOMETRIC DATA (SIMULATED):



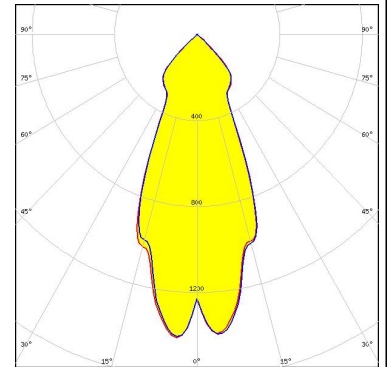
LED COB L-Type (LES 11)  
 FWHM 48.0°  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



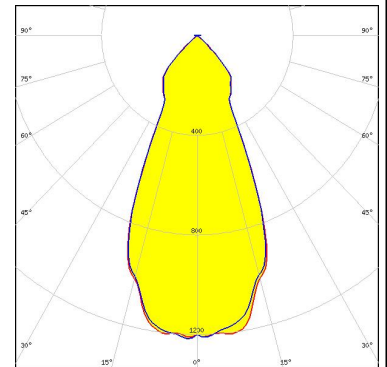
LED COB L-Type (LES 9)  
 FWHM 46.0°  
 Efficiency 93 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



LED COB T-Type  
 FWHM 42.0°  
 Efficiency 90 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



LED NFSWE11A  
 FWHM 46.0°  
 Efficiency 86 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 30  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

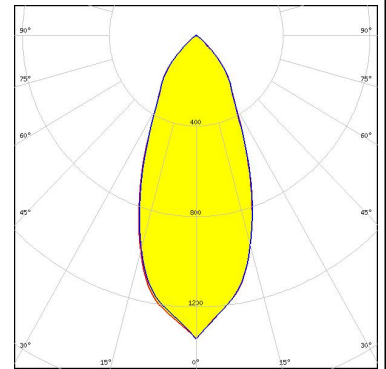


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

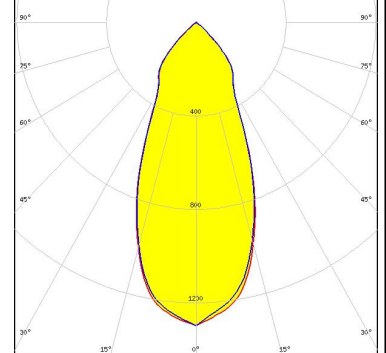
LED Soleriq S13 19x19  
FWHM 43.8°  
Efficiency 93 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



##### OSRAM

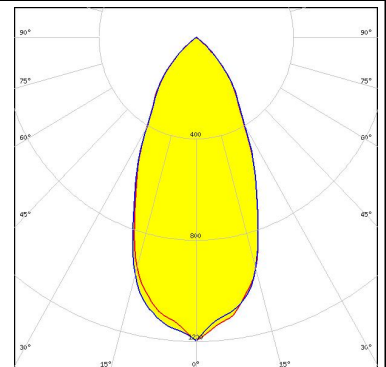
Opto Semiconductors

LED Soleriq S9  
FWHM 44.3°  
Efficiency 93 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



##### SAMSUNG

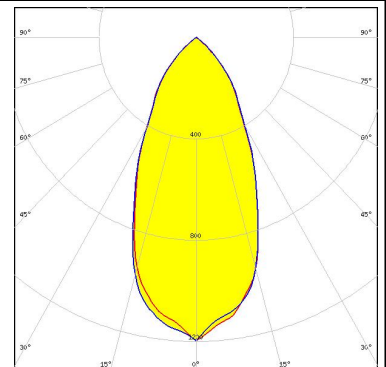
LED LC016D / LC019D / LC026D / LC033D  
FWHM 49.5°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



##### SEOUL

SEOUL SEMICONDUCTOR

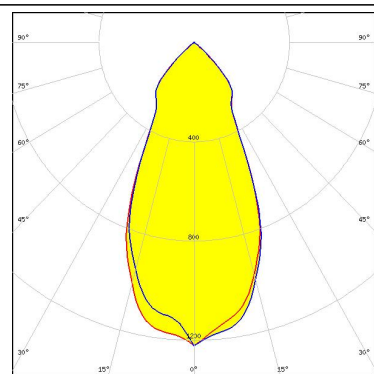
LED MJT COB LES 14.5  
FWHM 48.0°  
Efficiency 93 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15859\_HEKLA-SOCKET-I



### PHOTOMETRIC DATA (SIMULATED):

#### XICATO

LED XTM - 9mm LES  
FWHM 48.0°  
Efficiency 93 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15743\_XTM-ADAPTER-50-B





### 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

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Casic Motor Building  
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

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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