

ANGELETTE-S-PLAIN

~10° spot beam. Clean appearance with no additional attachment interface.

TECHNICAL SPECIFICATIONS:

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

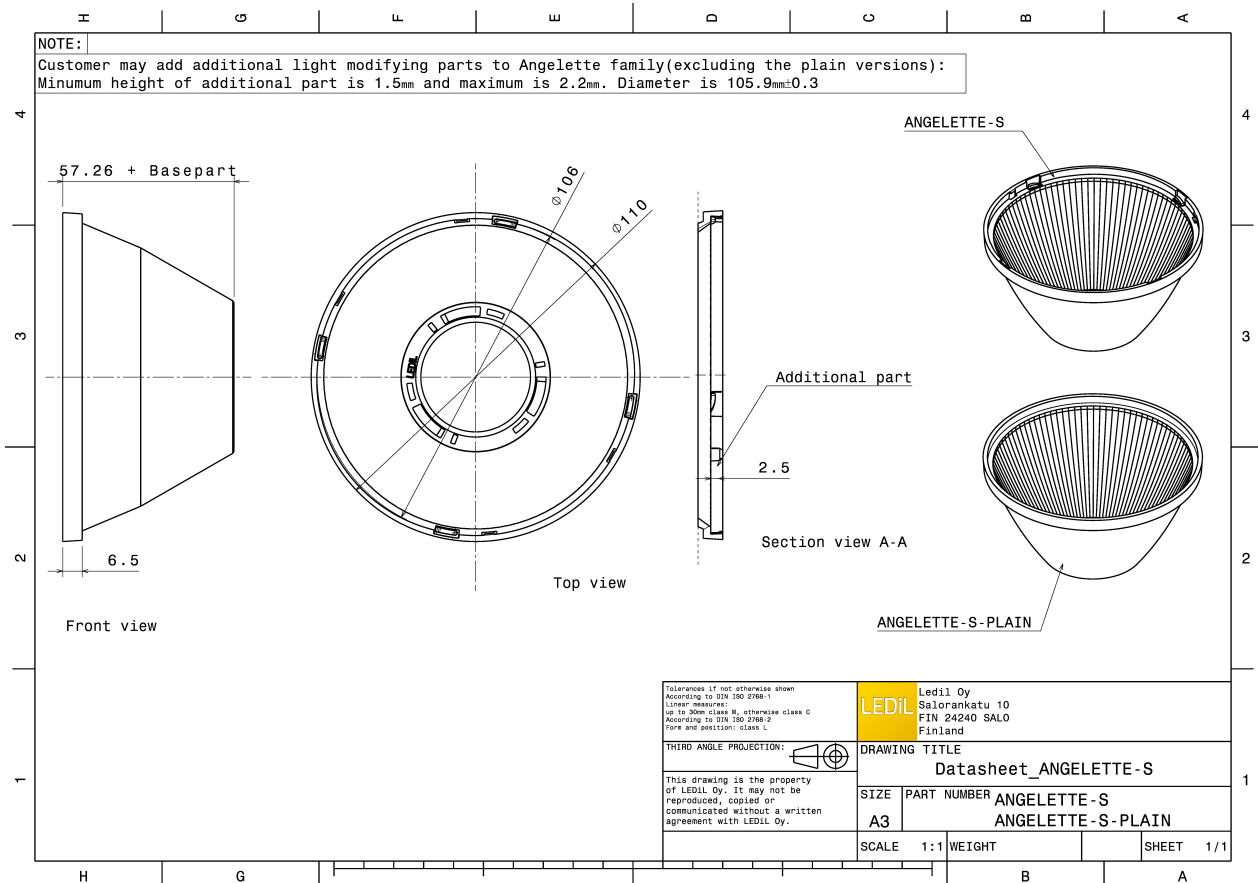
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
ANGELETTE-S-PLAIN	Reflector	PC	metal		


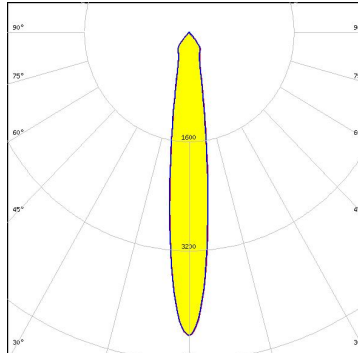
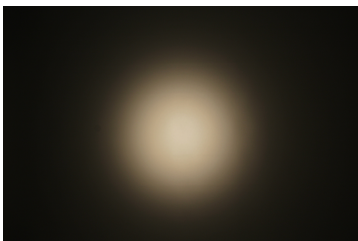
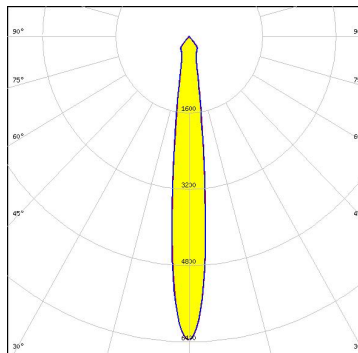
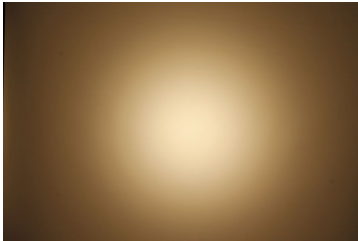
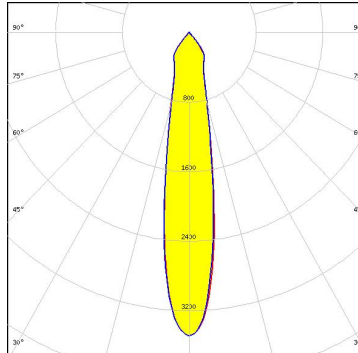

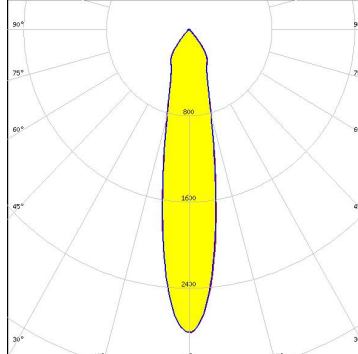


ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14619_ANGELETTE-S-PLAIN	180	90	45	7.7
» Box size: 398 x 298 x 265 mm				



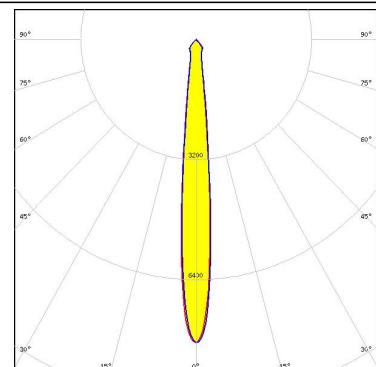
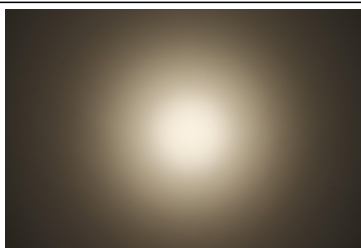
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 15.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 4.5 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F13671_ANGE-RZ-LENS</p> <p>TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 13.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 6.4 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 19.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.5 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>IDEAL: 50-2204-CT + 50-2100AN</p>		
<p>bridgelux.</p> <p>LED V22 Gen6</p> <p>FWHM 21.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.8 cd/Im</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F13671_ANGE-RZ-LENS</p> <p>IDEAL: 50-2204-CT + 50-2100AN</p>		

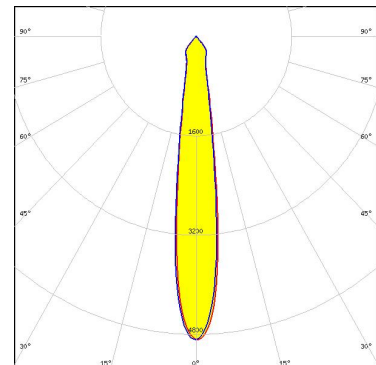
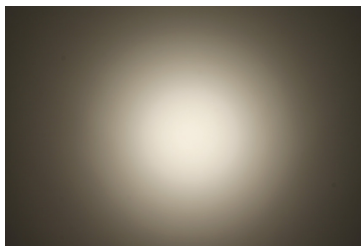
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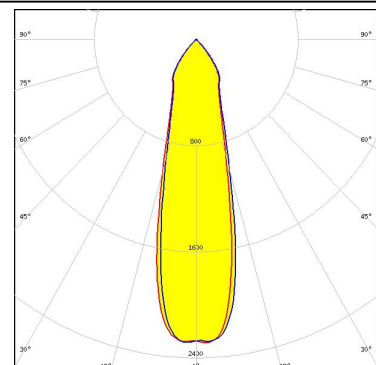
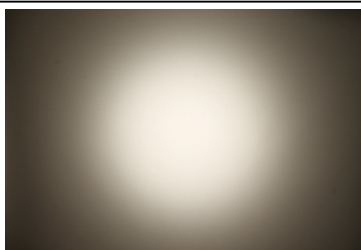
LED VERO13
FWHM 11.0°
Efficiency 90 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



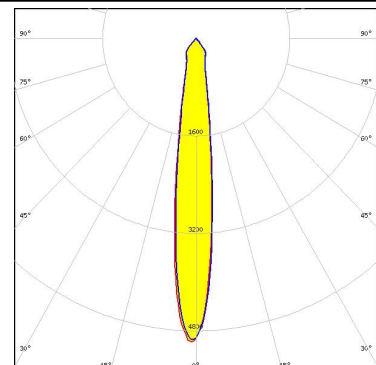
LED VERO18
FWHM 15.0°
Efficiency 90 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



LED VERO29
FWHM 27.0°
Efficiency 90 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29



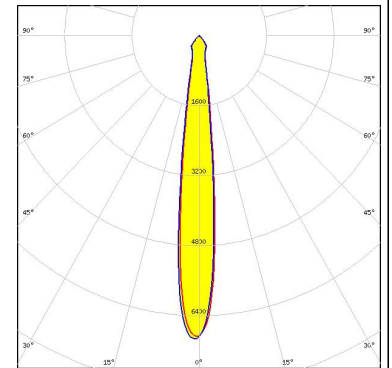
LED Vesta TW 15mm DP
FWHM 14.0°
Efficiency 87 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C13658_CLAMP-VERO13-18
F13671_ANGE-RZ-LENS
Bender Wirth: 482 Typ L2



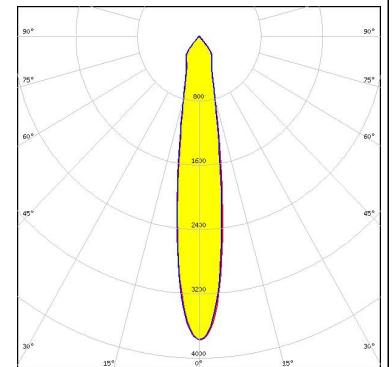
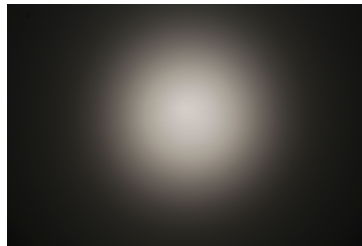
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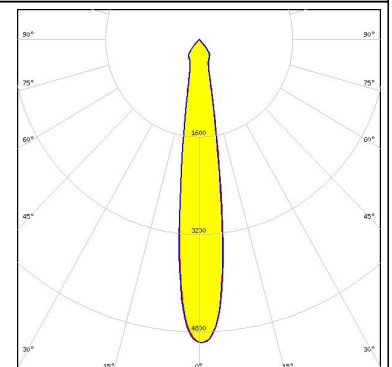
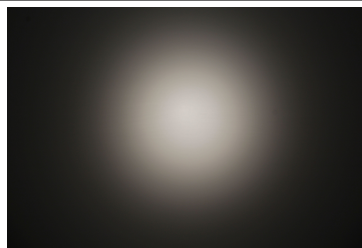
LED Vesta TW 15mm DP
FWHM 13.0°
Efficiency 92 %
Peak intensity 6.9 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 482 Typ L2



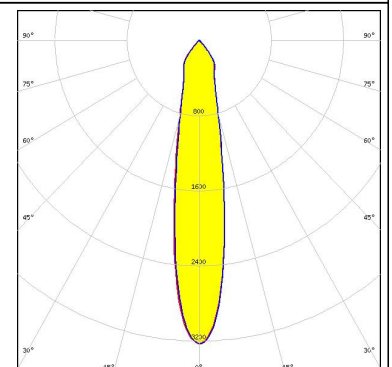
LED Vesta TW 18mm (31W) DP
FWHM 17.0°
Efficiency 87 %
Peak intensity 3.8 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 483 Typ L3



LED Vesta TW 18mm (31W) DP
FWHM 16.0°
Efficiency 92 %
Peak intensity 5 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 483 Typ L3



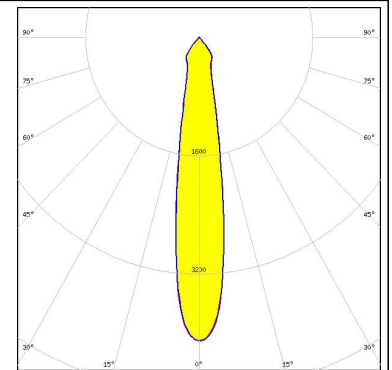
LED Vesta TW 22mm DP
FWHM 20.0°
Efficiency 87 %
Peak intensity 3.2 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
F13671_ANGE-RZ-LENS
Bender Wirth: 494 Typ L3



PHOTOMETRIC DATA (MEASURED):

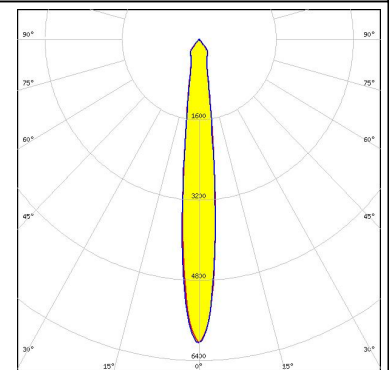


LED Vesta TW 22mm DP
FWHM 18.0°
Efficiency 92 %
Peak intensity 4.1 cd/Im
LEDs/each optic 1
Light colour Tunable White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 494 Typ L3



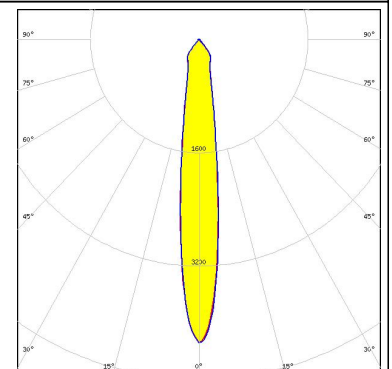
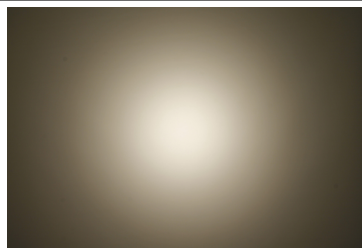
CITIZEN

LED CLL03x/CLU03x
FWHM 13.0°
Efficiency 89 %
Peak intensity 6 cd/Im
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103CT + 50-2100AN



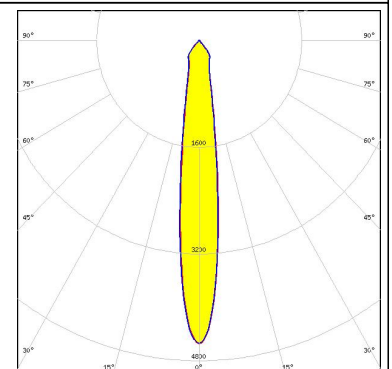
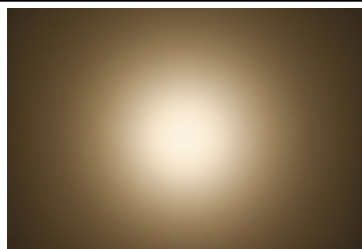
CITIZEN

LED CLL03x/CLU03x
FWHM 15.0°
Efficiency 85 %
Peak intensity 4.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
IDEAL: 50-2103CT + 50-2100AN



CITIZEN

LED CLL03x/CLU03x
FWHM 15.0°
Efficiency 85 %
Peak intensity 4.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1

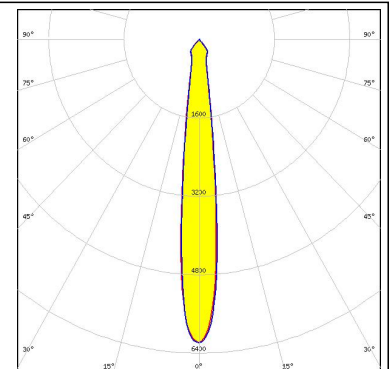


PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL03x/CLU03x
FWHM 13.0°
Efficiency 90 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

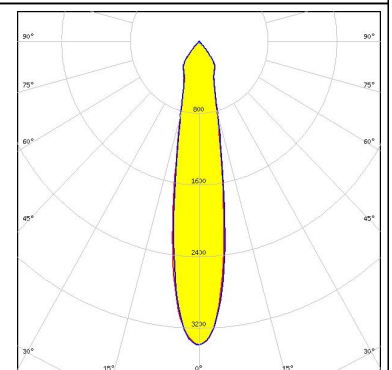
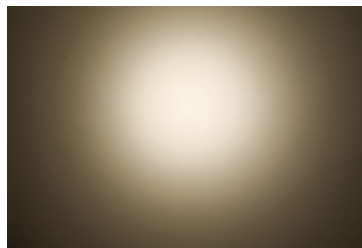
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



CITIZEN

LED CLL04x/CLU04x
FWHM 19.0°
Efficiency 90 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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

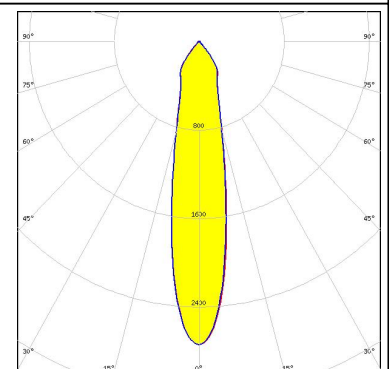
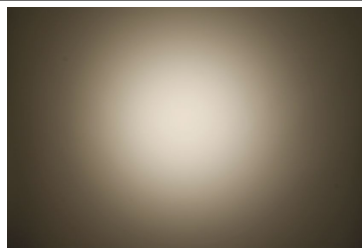


CITIZEN

LED CLL04x/CLU04x
FWHM 21.0°
Efficiency 85 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F13671_ANGE-RZ-LENS

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

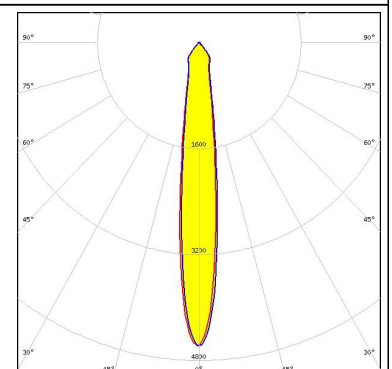
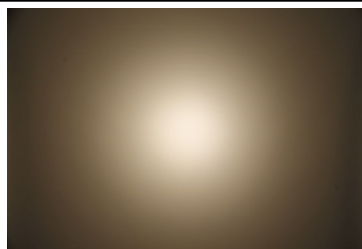


CITIZEN

LED CLU730/731
FWHM 14.0°
Efficiency 85 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F13671_ANGE-RZ-LENS

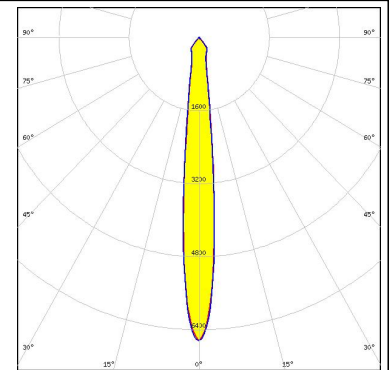
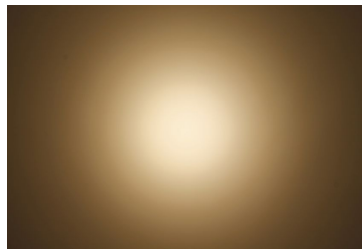
IDEAL: 50-2204-CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

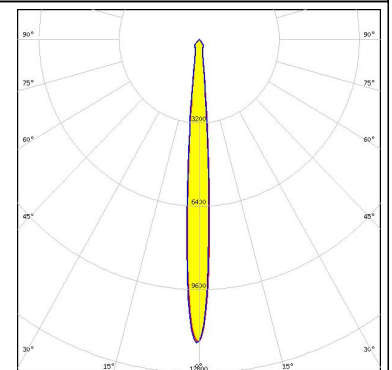
CITIZEN

LED CLU730/731
FWHM 12.0°
Efficiency 89 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



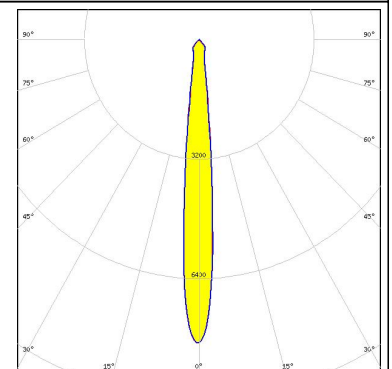
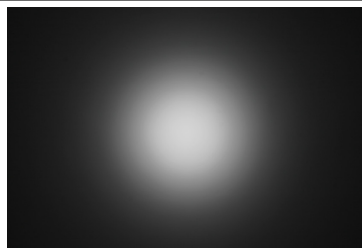
CREE

LED CXA/B 15xx
FWHM 8.0°
Efficiency 90 %
Peak intensity 12 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



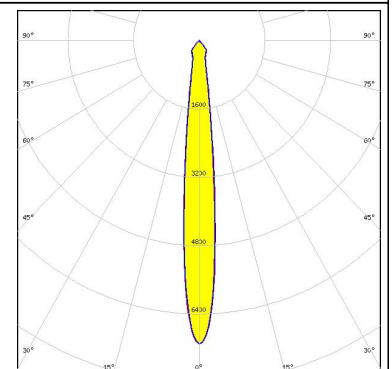
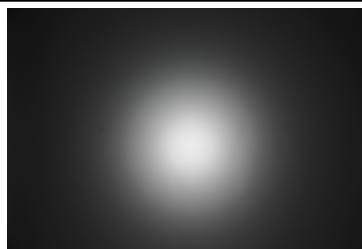
CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 11.0°
Efficiency 90 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



CREE

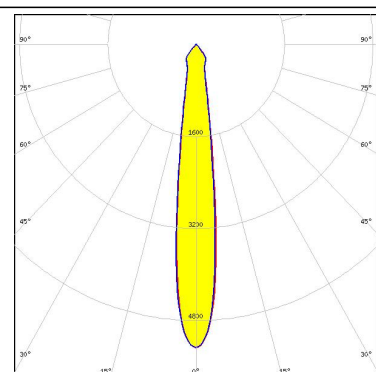
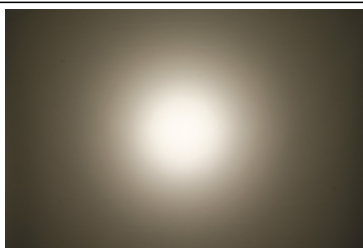
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 12.0°
Efficiency 91 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



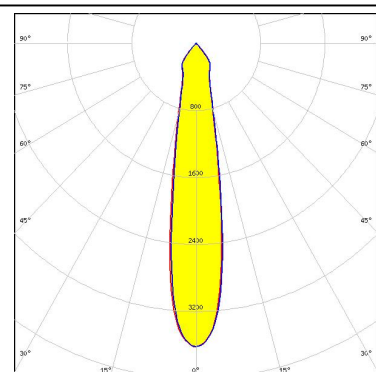
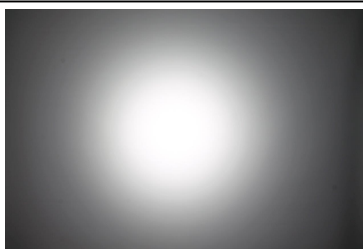
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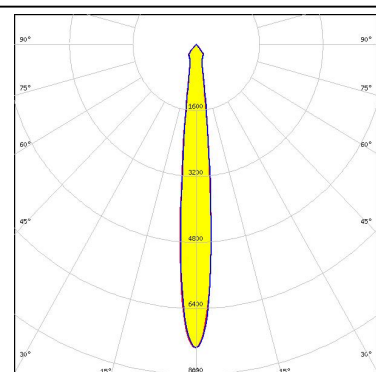
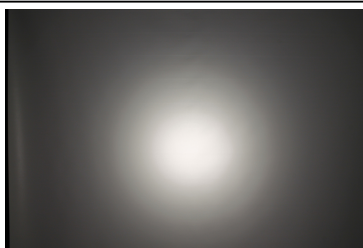
LED CXA/B 25xx
FWHM 15.0°
Efficiency 90 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



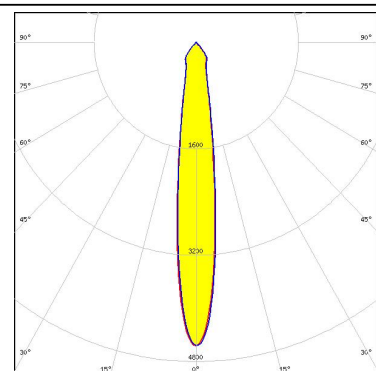
LED CXA/B 30xx
FWHM 19.0°
Efficiency 90 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



LED LUXEON CoB 1204/1205
FWHM 12.0°
Efficiency 90 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



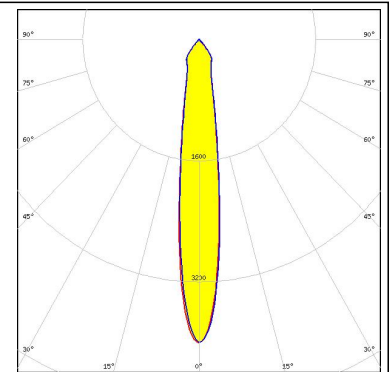
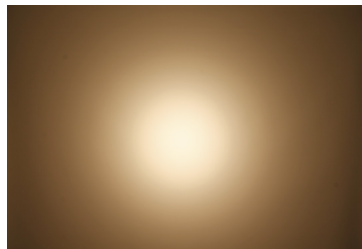
LED LUXEON CoB 1208
FWHM 15.0°
Efficiency 85 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



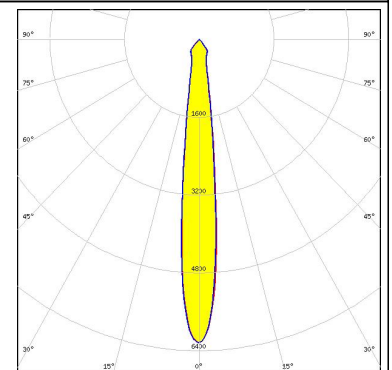
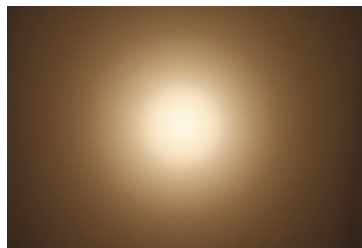
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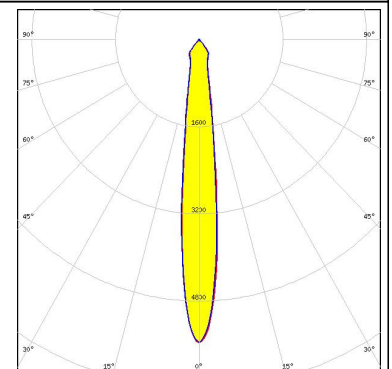
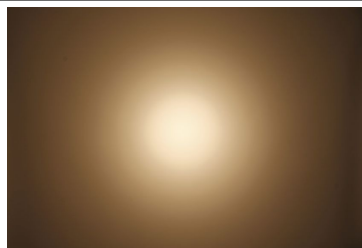
LED LUXEON CoB 1208
 FWHM 16.0°
 Efficiency 85 %
 Peak intensity 4 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2100SH + 50-2100AN



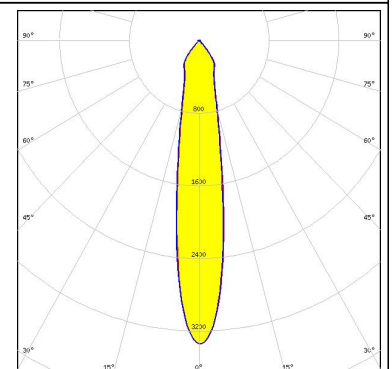
LED LUXEON CoB 1208
 FWHM 13.0°
 Efficiency 89 %
 Peak intensity 6.2 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1208
 FWHM 13.0°
 Efficiency 89 %
 Peak intensity 5.6 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100SH + 50-2100AN



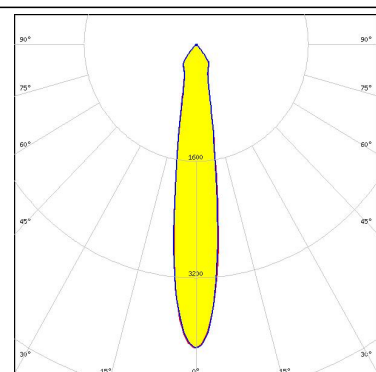
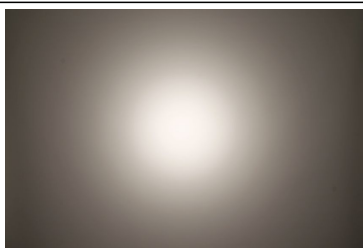
LED LUXEON CoB 1211
 FWHM 18.0°
 Efficiency 86 %
 Peak intensity 3.3 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



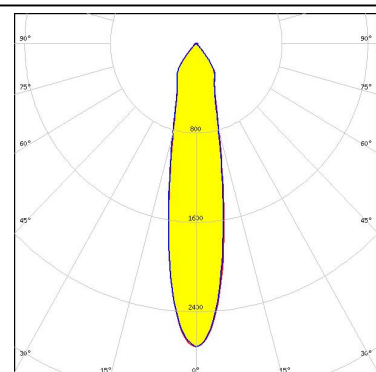
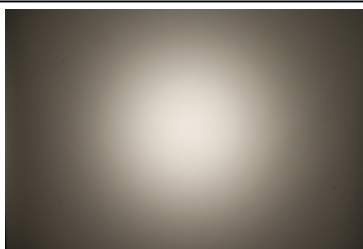
PHOTOMETRIC DATA (MEASURED):



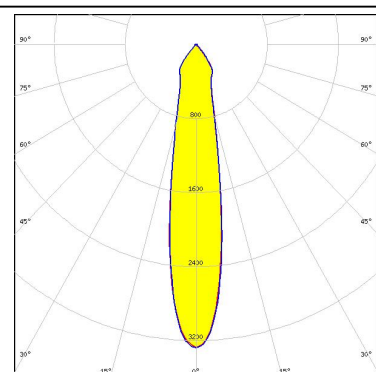
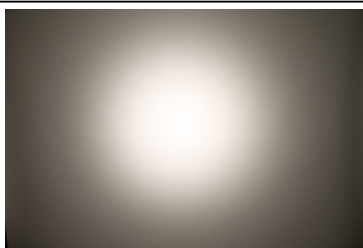
LED LUXEON CoB 1211
 FWHM 17.0°
 Efficiency 89 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



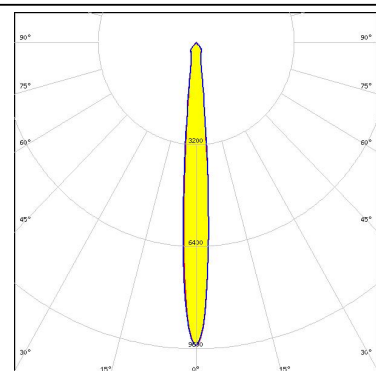
LED LUXEON CoB 1216/1812
 FWHM 21.0°
 Efficiency 86 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 IDEAL: 50-2204-CT + 50-2100AN



LED LUXEON CoB 1216/1812
 FWHM 20.0°
 Efficiency 89 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2204-CT + 50-2100AN



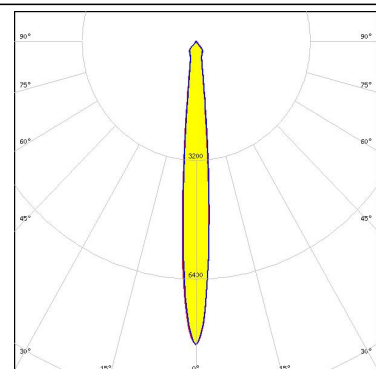
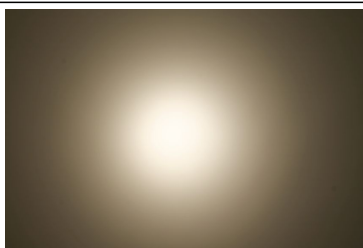
LED COB L-Type (LES 11)
 FWHM 10.0°
 Efficiency 90 %
 Peak intensity 9.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

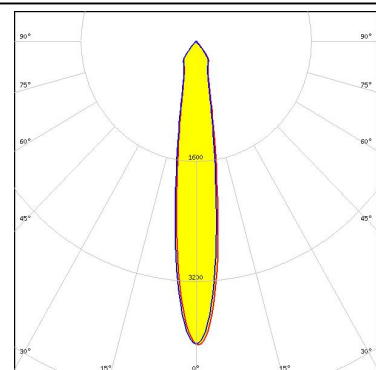
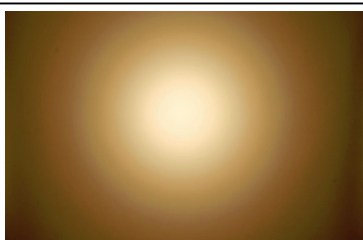


LED COB L-Type (LES 11)
 FWHM 10.0°
 Efficiency 89 %
 Peak intensity 8.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 IDEAL: 50-2100NC + 50-2100AN



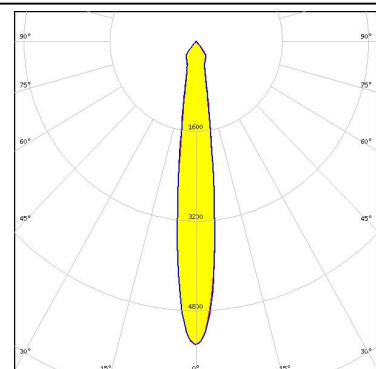
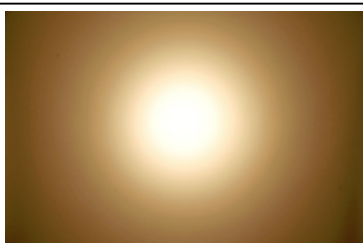
OSRAM

LED PrevaLED Core Z4 LES19
 FWHM 16.0°
 Efficiency 86 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213130-2



OSRAM

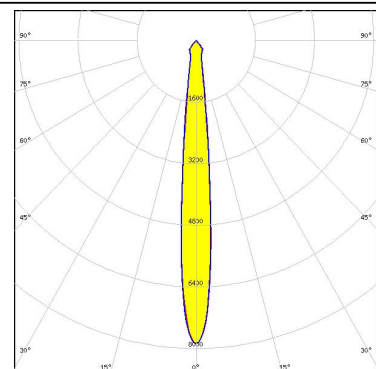
LED PrevaLED Core Z4 LES19
 FWHM 14.0°
 Efficiency 90 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



OSRAM

Opto Semiconductors

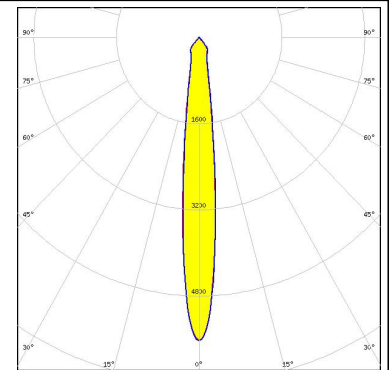
LED Soleriq S13 19x19
 FWHM 11.0°
 Efficiency 89 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq S13 19x19
FWHM 13.0°
Efficiency 85 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



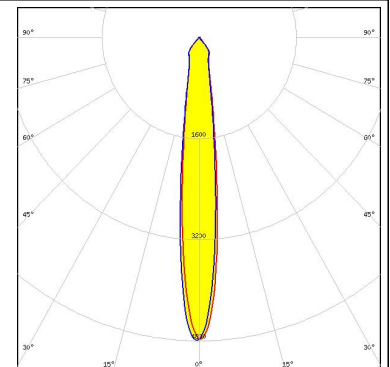
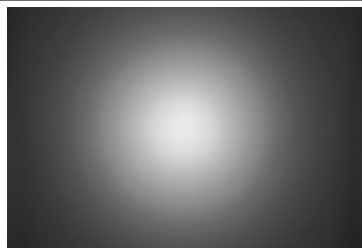
OSRAM
Opto Semiconductors

LED Soleriq S13 19x19
FWHM 12.0°
Efficiency 89 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103CT + 50-2100AN



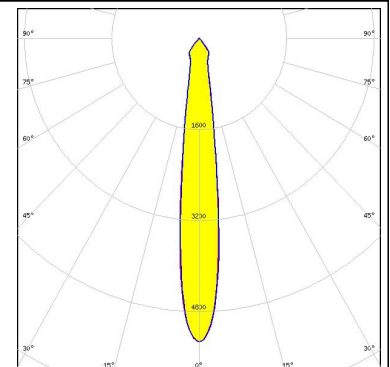
OSRAM
Opto Semiconductors

LED Soleriq S13 19x19
FWHM 14.0°
Efficiency 85 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
IDEAL: 50-2103CT + 50-2100AN



OSRAM
Opto Semiconductors

LED Soleriq S19
FWHM 14.0°
Efficiency 90 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED Soleriq S19

FWHM 16.0°

Efficiency 85 %

Peak intensity 4 cd/Im

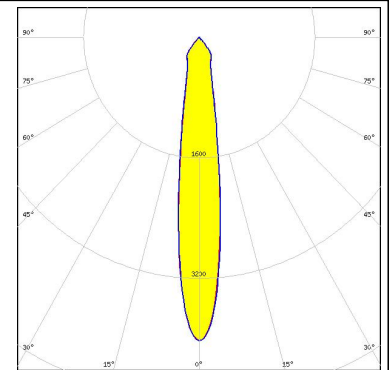
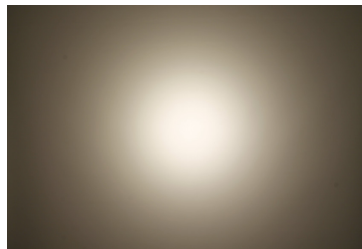
LEDs/each optic 1

Light colour White

Required components:

F13671_ANGE-RZ-LENS

TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L15 + SLM holder

FWHM 13.0°

Efficiency 89 %

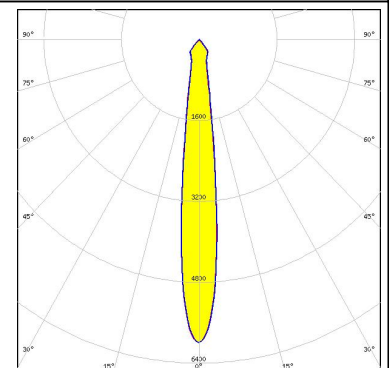
Peak intensity 6 cd/Im

LEDs/each optic 1

Light colour White

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



SAMSUNG

LED LC035T (Tunable white)

FWHM 20.0°

Efficiency 87 %

Peak intensity 3.3 cd/Im

LEDs/each optic 1

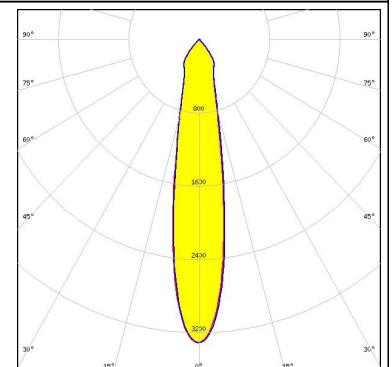
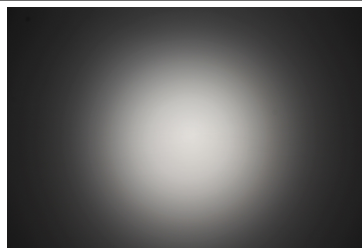
Light colour Tunable White

Required components:

C13584_CLAMP-VERO29

F13671_ANGE-RZ-LENS

Bender Wirth: 502 Typ L3



SAMSUNG

LED LC035T (Tunable white)

FWHM 18.0°

Efficiency 92 %

Peak intensity 4.1 cd/Im

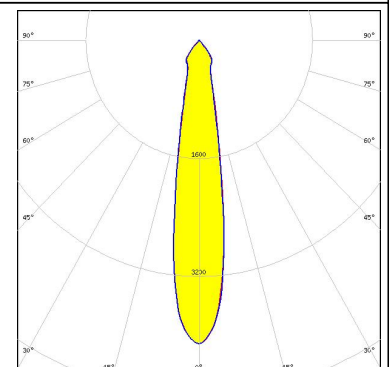
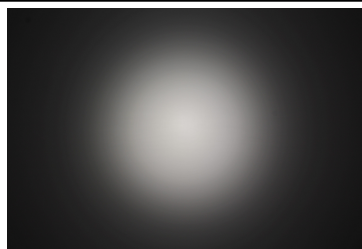
LEDs/each optic 1

Light colour Tunable White

Required components:

C13584_CLAMP-VERO29

Bender Wirth: 502 Typ L3



PHOTOMETRIC DATA (MEASURED):

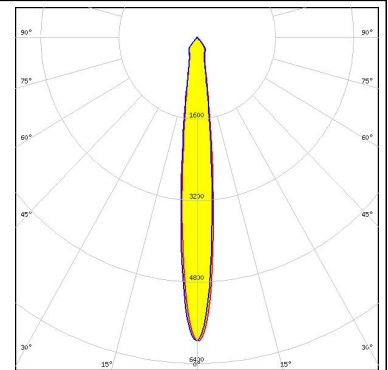
SAMSUNG

LED LC040C
FWHM 12.0°
Efficiency 86 %
Peak intensity 6 cd/Im
LEDs/each optic 1
Light colour White

Required components:

F13671_ANGE-RZ-LENS

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

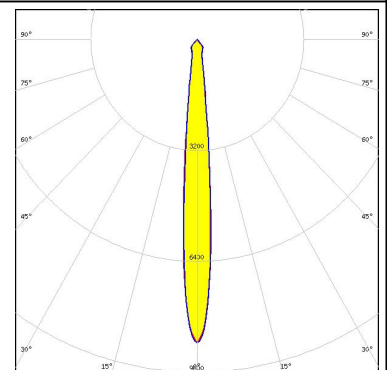


SAMSUNG

LED LC040C
FWHM 10.0°
Efficiency 90 %
Peak intensity 8.8 cd/Im
LEDs/each optic 1
Light colour White

Required components:

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



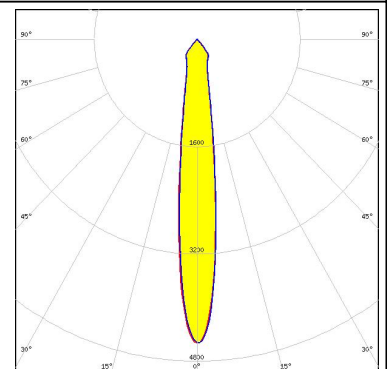
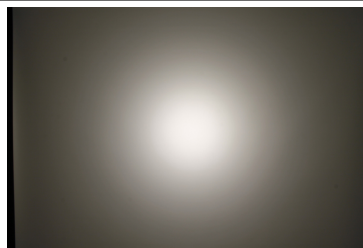
SEOUL SEMICONDUCTOR

LED AC Zhaga COB
FWHM 14.0°
Efficiency 85 %
Peak intensity 4.5 cd/Im
LEDs/each optic 1
Light colour White

Required components:

F13671_ANGE-RZ-LENS

Optosource: SEHSMJD-A

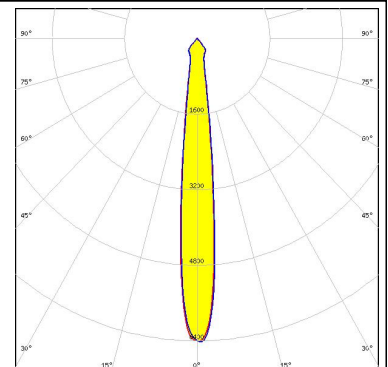


SEOUL SEMICONDUCTOR


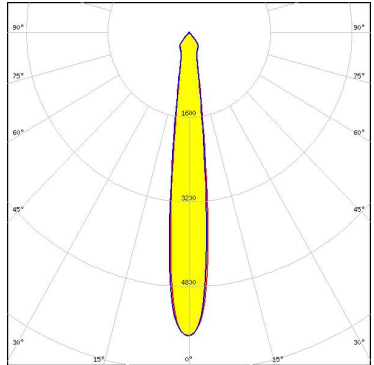

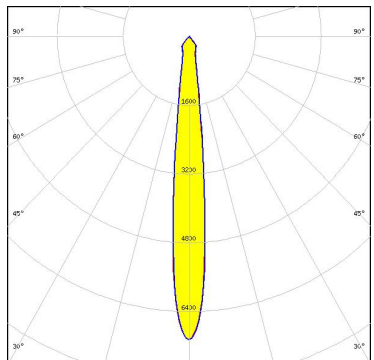
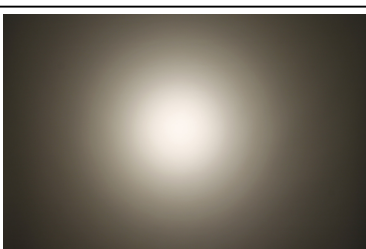
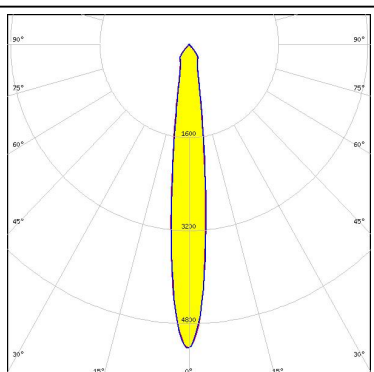
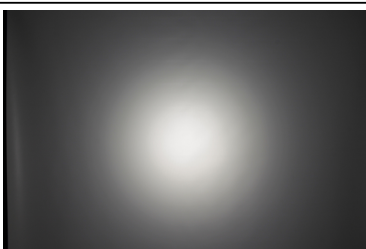
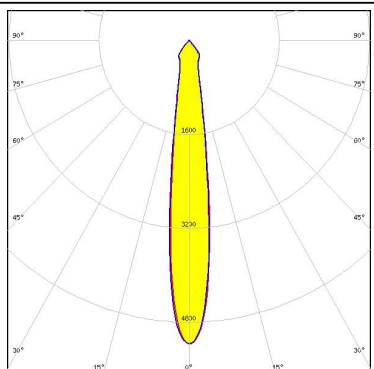
LED AC Zhaga COB
FWHM 13.0°
Efficiency 90 %
Peak intensity 6.4 cd/Im
LEDs/each optic 1
Light colour White

Required components:

Optosource: SEHSMJD-A



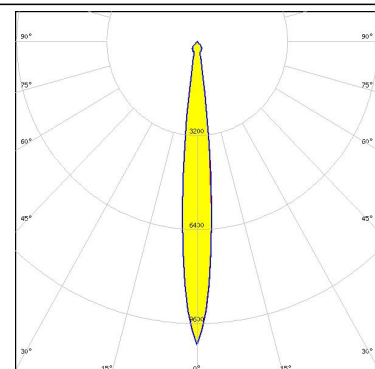
PHOTOMETRIC DATA (MEASURED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5 FWHM 14.0° Efficiency 89 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>VS LIGHTING SOLUTIONS</p> <p>LED WU-M-484 FWHM 12.0° Efficiency 89 % Peak intensity 7.1 cd/lm LEDs/each optic 1 Light colour White Required components: TE: OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>VS LIGHTING SOLUTIONS</p> <p>LED WU-M-484 FWHM 13.0° Efficiency 85 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS TE: OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>XICATO</p> <p>LED XIM - 19mm LES FWHM 15.0° Efficiency 91 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components: C16491_XTM-ADAPTER-50-A</p>		

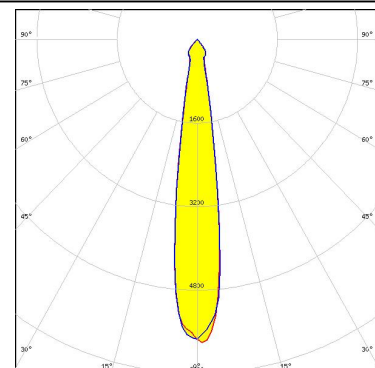
PHOTOMETRIC DATA (SIMULATED):



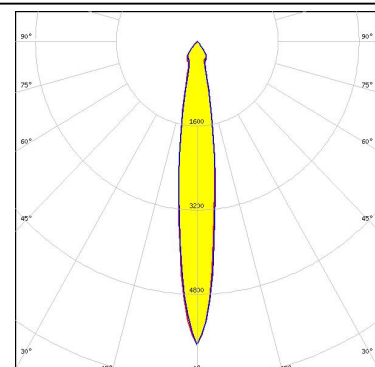
LED V13 Gen7
FWHM 11.0°
Efficiency 92 %
Peak intensity 10.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



LED V22 Gen7
FWHM 16.0°
Efficiency 94 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 431 Typ L3



LED V22 Gen7
FWHM 14.0°
Efficiency 94 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



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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