

BARBARA-G2-S

~12° spot beam compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 70.0
Height	41.9 mm
Fastening	socket
ROHS compliant	yes ⓘ

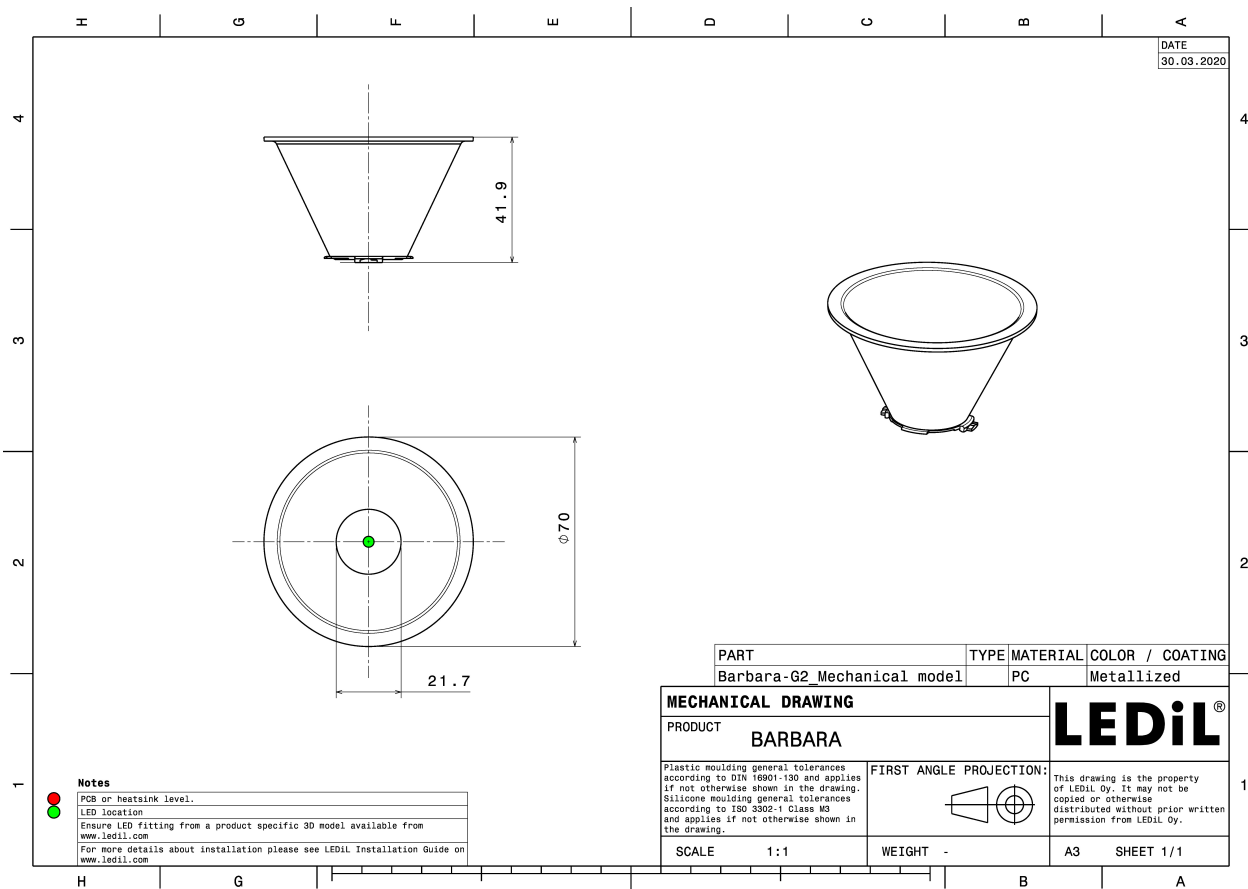
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
BARBARA-G2-S	Reflector	PC	metal		HMDS



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16363_BARBARA-G2-S » Box size: 480 x 280 x 300 mm	252	90	18	4.6

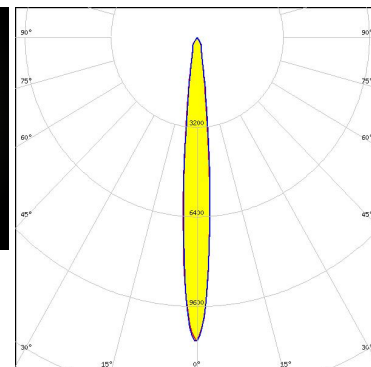
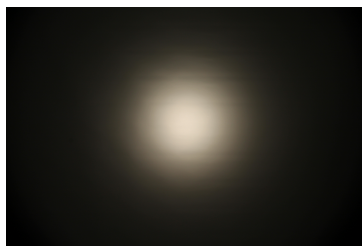


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



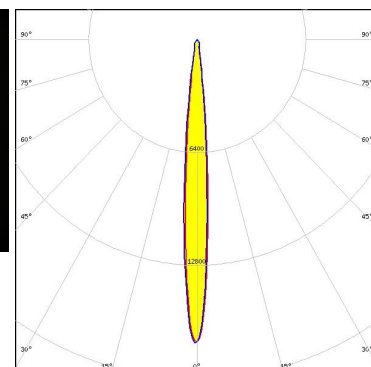
LED V4 HD Gen 7
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 86 %
 Peak intensity 10.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A
 C14658_BARBARA-RZ-LENS



Light distribution files



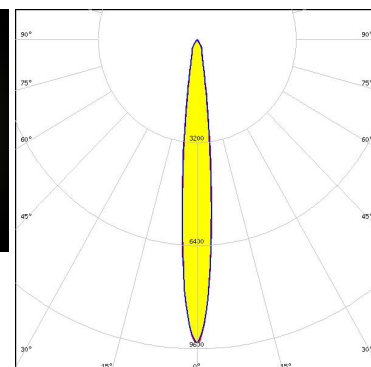
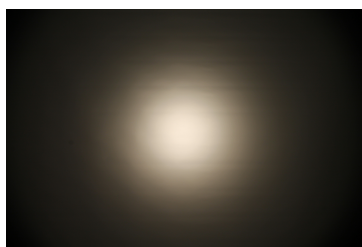
LED V4 HD Gen 7
 FWHM / FWTM 9.0° / 19.0°
 Efficiency 91 %
 Peak intensity 17.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



LED V6 HD Gen 7
 FWHM / FWTM 11.0° / 27.0°
 Efficiency 86 %
 Peak intensity 9.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS

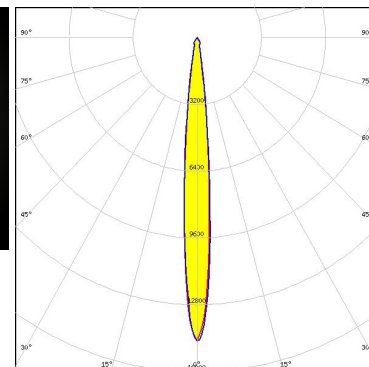
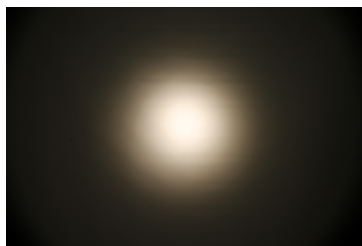


Light distribution files

OPTICAL RESULTS (MEASURED):



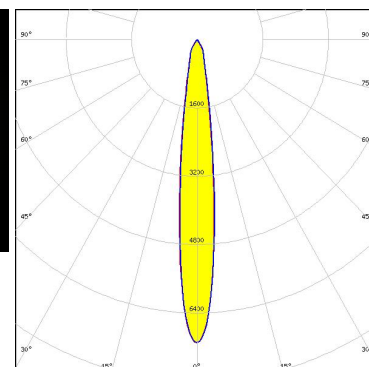
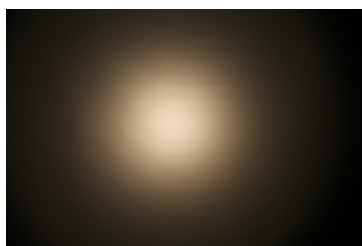
LED V6 HD Gen 7
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 91 %
 Peak intensity 14.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



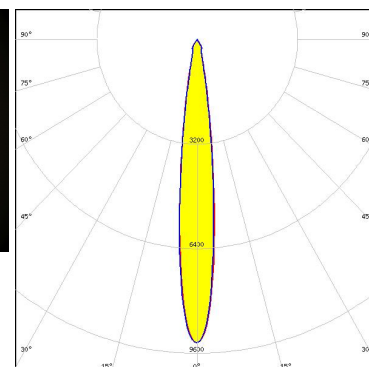
LED V9 HD Gen7
 FWHM / FWTM 14.0° / 33.0°
 Efficiency 85 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I
 C14658_BARBARA-RZ-LENS



Light distribution files



LED V9 HD Gen7
 FWHM / FWTM 13.0° / 28.0°
 Efficiency 89 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15256_HEKLA-SOCKET-D

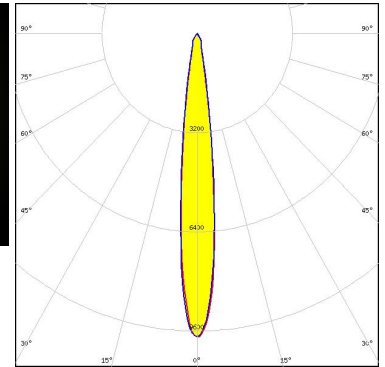


Light distribution files

OPTICAL RESULTS (MEASURED):



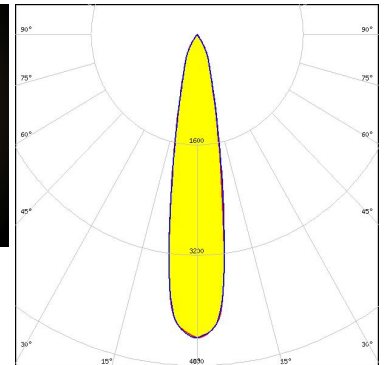
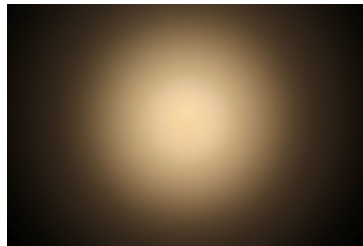
LED V9 HD Gen7
 FWHM / FWTM 13.0° / 26.0°
 Efficiency 91 %
 Peak intensity 9.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



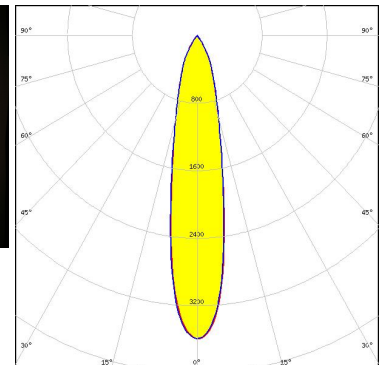
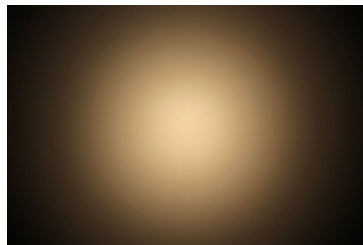
LED Vesta DTW 13mm (21W)
 FWHM / FWTM 20.0° / 47.0°
 Efficiency 87 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



Light distribution files



LED Vesta DTW 13mm (21W)
 FWHM / FWTM 21.0° / 54.0°
 Efficiency 81 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 491 Typ L8

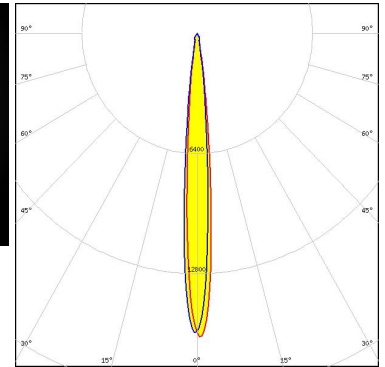


Light distribution files

OPTICAL RESULTS (MEASURED):



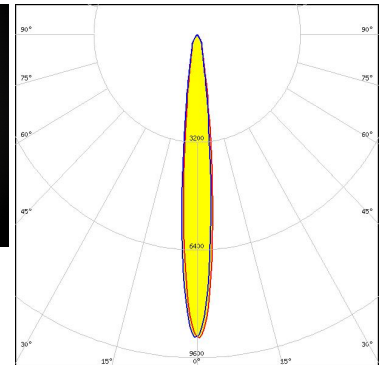
LED Vesta TW 6mm DP
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 86 %
 Peak intensity 16.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8



Light distribution files



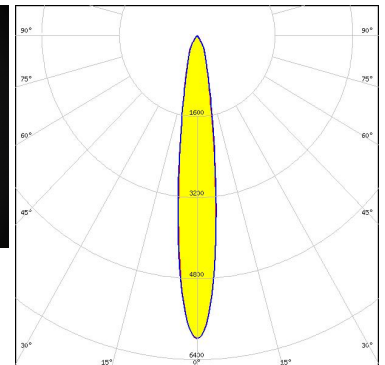
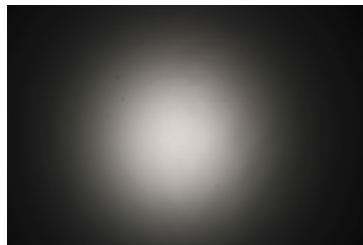
LED Vesta TW 6mm DP
 FWHM / FWTM 11.0° / 27.0°
 Efficiency 82 %
 Peak intensity 9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 504 Typ L8



Light distribution files



LED Vesta TW 9mm (12W) CSP
 FWHM / FWTM 15.0° / 38.0°
 Efficiency 83 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS

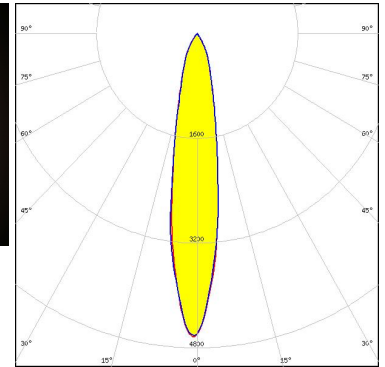


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

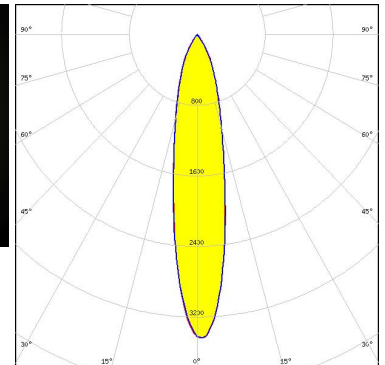
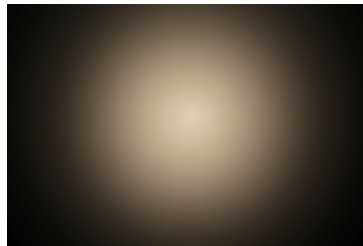
LED CLC030 Series (Dim-To-Warm)
 FWHM / FWTM 18.0° / 47.0°
 Efficiency 86 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 436 Typ L8



Light distribution files

CITIZEN

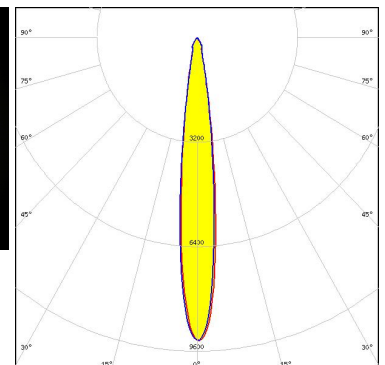
LED CLC030 Series (Dim-To-Warm)
 FWHM / FWTM 21.0° / 55.0°
 Efficiency 81 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 436 Typ L8



Light distribution files

CITIZEN

LED CLU02x (LES10)
 FWHM / FWTM 13.0° / 28.0°
 Efficiency 91 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

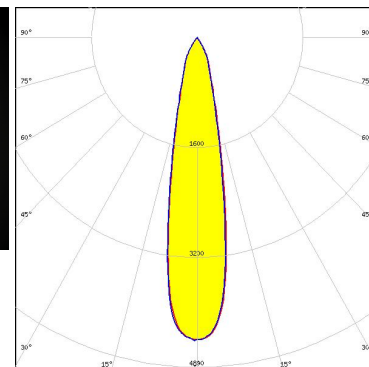
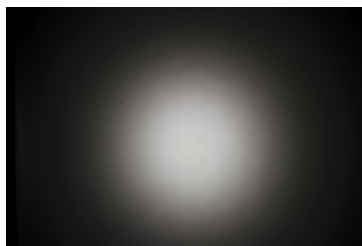


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

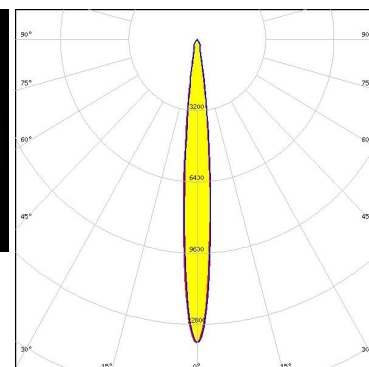
LED CLU03x
 FWHM / FWTM 21.0° / 48.0°
 Efficiency 91 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

CITIZEN

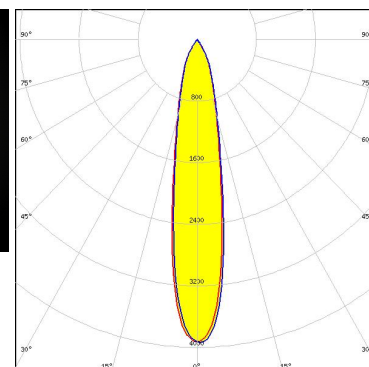
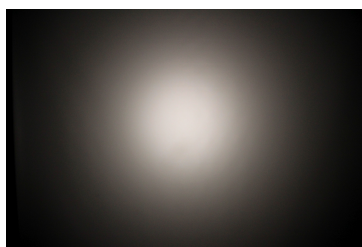
LED CLU700/701/702/703
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 90 %
 Peak intensity 13.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

LED LCN-C02B (Tunable White)
 FWHM / FWTM 19.0° / 50.0°
 Efficiency 81 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 481 Typ L8

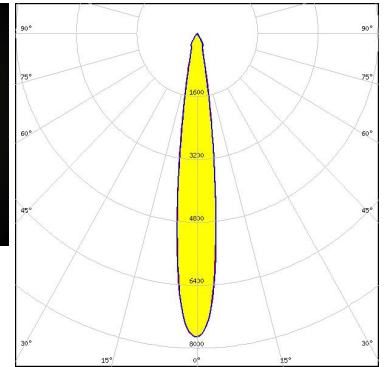


Light distribution files

OPTICAL RESULTS (MEASURED):



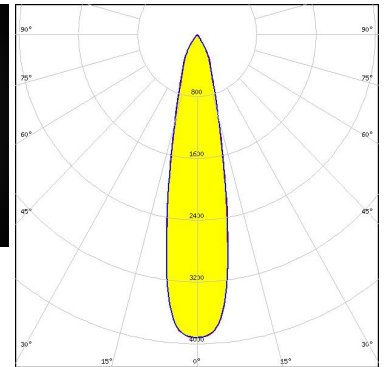
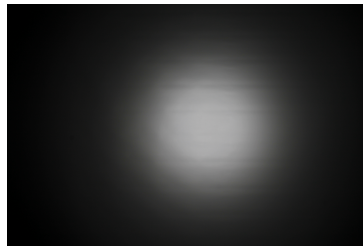
LED CMT14xx
 FWHM / FWTM 15.0° / 30.0°
 Efficiency 90 %
 Peak intensity 7.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



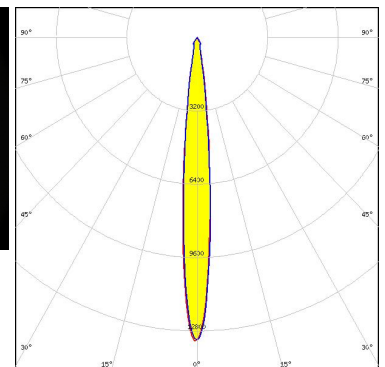
LED CMT19xx
 FWHM / FWTM 22.0° / 52.0°
 Efficiency 90 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



LED CXA/B 13xx
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 91 %
 Peak intensity 13.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15956_HEKLA-SOCKET-J

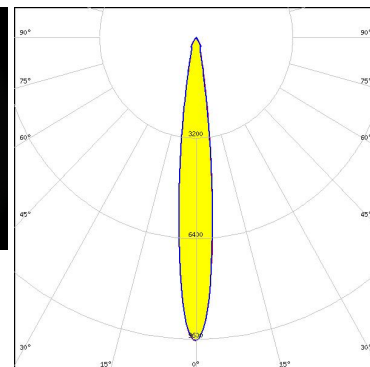


Light distribution files

OPTICAL RESULTS (MEASURED):



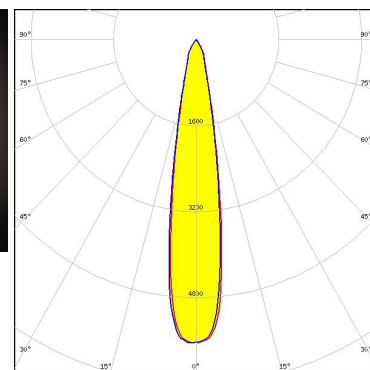
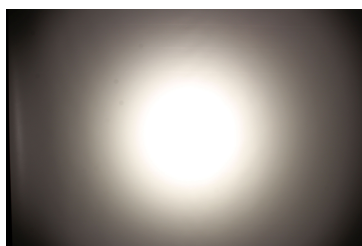
LED CXA/B 15xx
FWHM / FWTM 13.0° / 27.0°
Efficiency 92 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D



Light distribution files



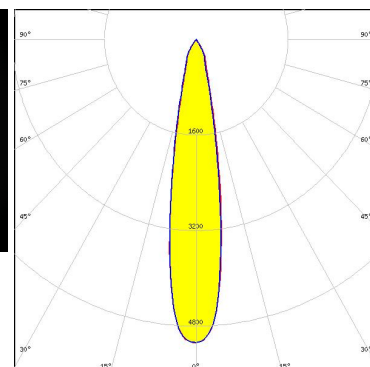
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 19.0° / 39.0°
Efficiency 92 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D



Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 19.0° / 41.0°
Efficiency 89 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15254_HEKLA-SOCKET-B

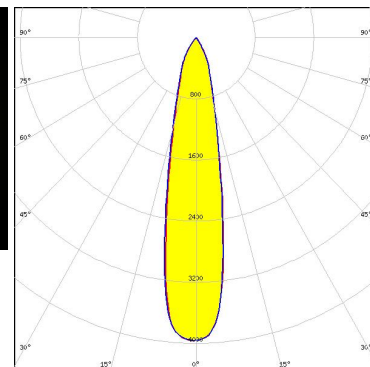
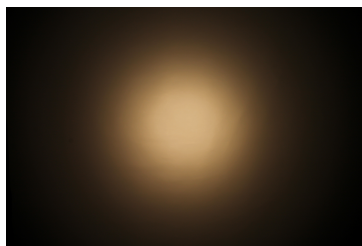


Light distribution files

OPTICAL RESULTS (MEASURED):



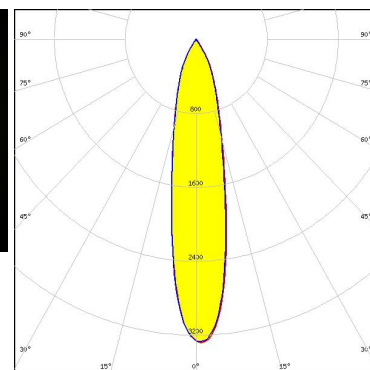
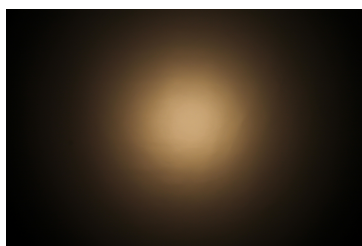
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 21.0° / 52.0°
 Efficiency 88 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla



Light distribution files



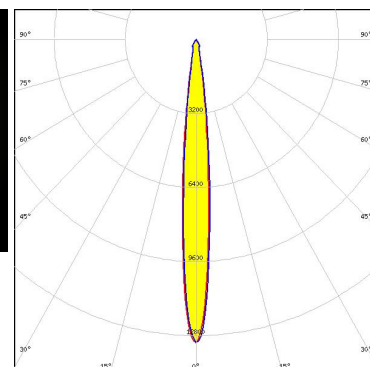
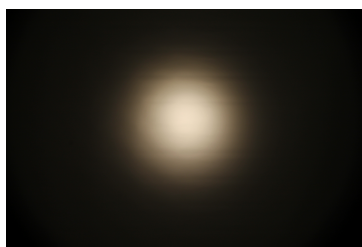
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 21.0° / 56.0°
 Efficiency 80 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CoB 1202HD
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 90 %
 Peak intensity 13.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15848_HEKLA-SOCKET-G

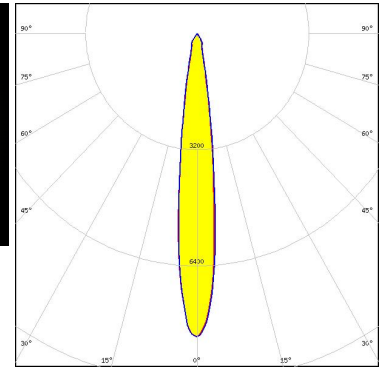


Light distribution files

OPTICAL RESULTS (MEASURED):



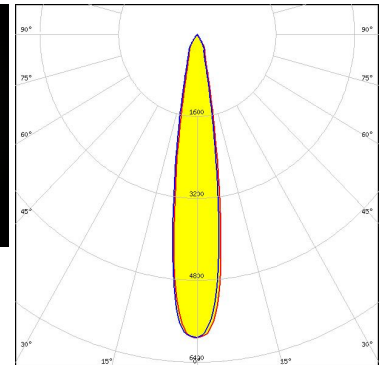
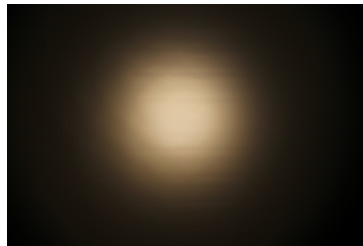
LED LUXEON CoB 1204HD
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 90 %
 Peak intensity 8.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



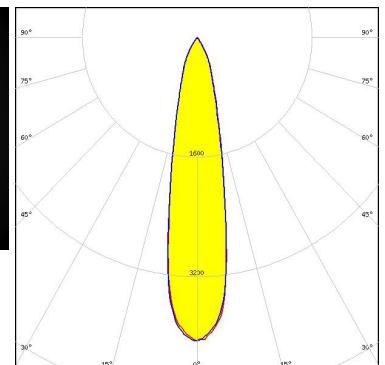
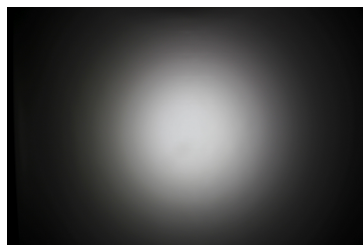
LED LUXEON CoB 1205HD
 FWHM / FWTM 17.0° / 37.0°
 Efficiency 89 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1208
 FWHM / FWTM 22.0° / 51.0°
 Efficiency 88 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 632a Hekla XL

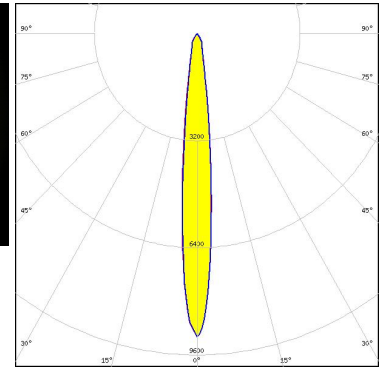


Light distribution files

OPTICAL RESULTS (MEASURED):



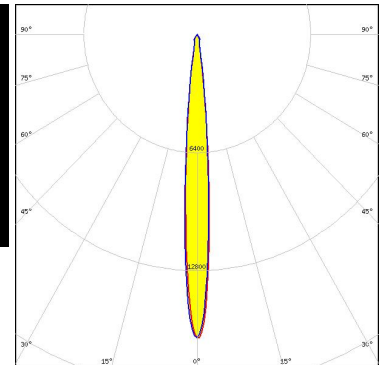
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 11.0° / 27.0°
 Efficiency 83 %
 Peak intensity 9.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla



Light distribution files



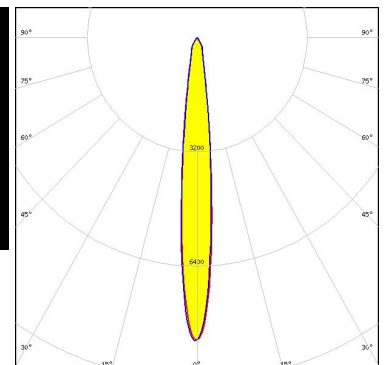
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 9.0° / 20.0°
 Efficiency 89 %
 Peak intensity 16.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S02H6
 FWHM / FWTM 12.0° / 29.0°
 Efficiency 83 %
 Peak intensity 8.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla

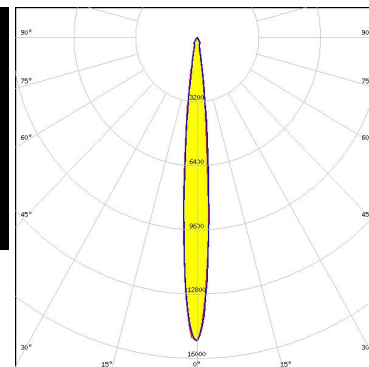


Light distribution files

OPTICAL RESULTS (MEASURED):



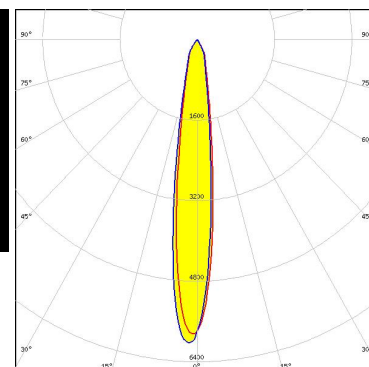
LED LUXEON CX Plus CoB - HD S02H6
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 89 %
 Peak intensity 15.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



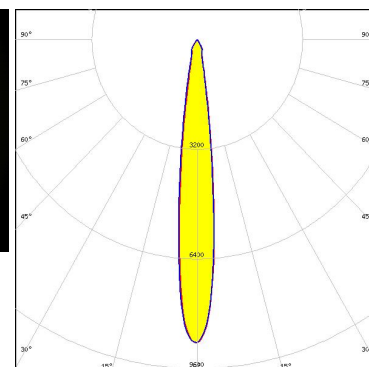
LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 15.0° / 37.0°
 Efficiency 83 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 13.0° / 28.0°
 Efficiency 89 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla

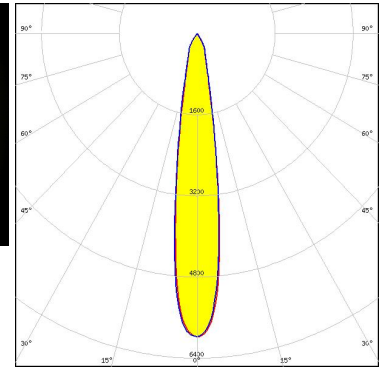


Light distribution files

OPTICAL RESULTS (MEASURED):



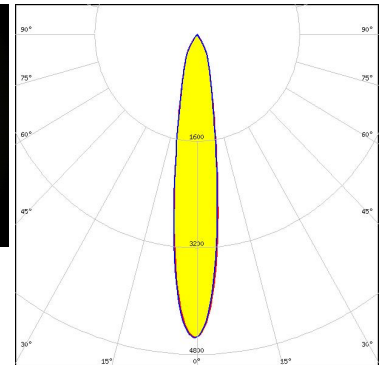
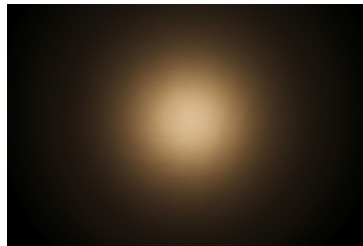
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 17.0° / 38.0°
 Efficiency 88 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla



Light distribution files



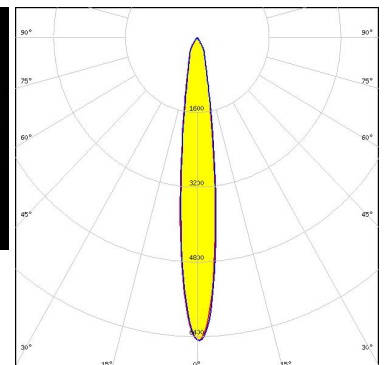
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 17.0° / 47.0°
 Efficiency 82 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 14.0° / 35.0°
 Efficiency 82 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 641a Hekla

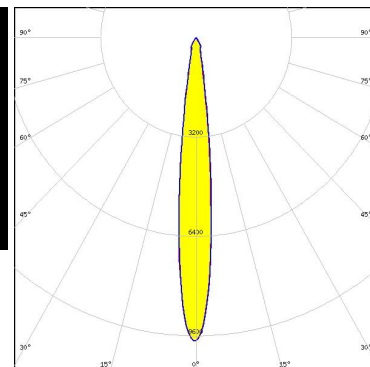


Light distribution files

OPTICAL RESULTS (MEASURED):



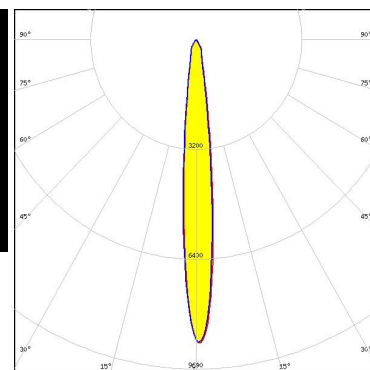
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 89 %
 Peak intensity 9.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 641a Hekla



Light distribution files



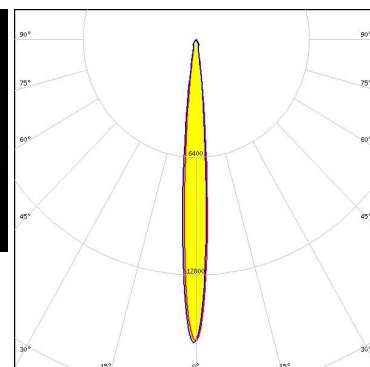
LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 11.0° / 27.0°
 Efficiency 82 %
 Peak intensity 9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 9.0° / 19.0°
 Efficiency 89 %
 Peak intensity 16.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla

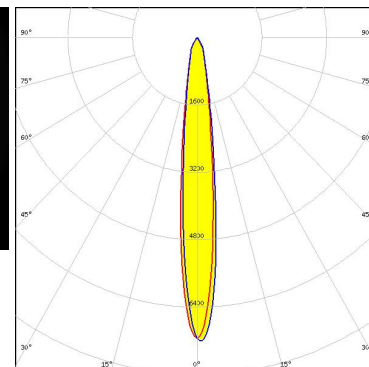


Light distribution files

OPTICAL RESULTS (MEASURED):



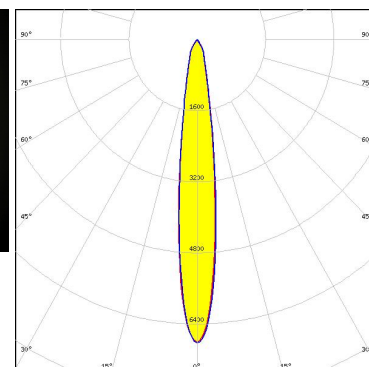
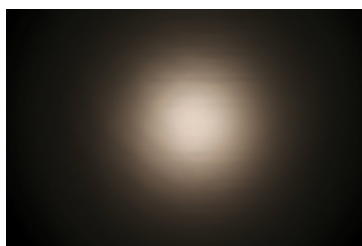
LED LUXEON Fusion 21-up (20x24)
 FWHM / FWTM 13.0° / 33.0°
 Efficiency 82 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 21
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 442 Typ L8



Light distribution files



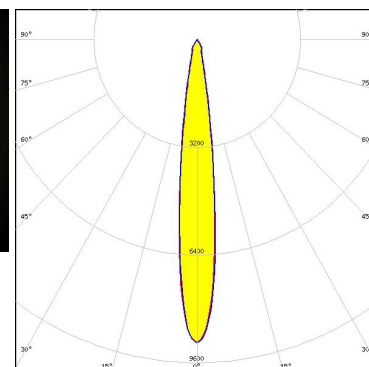
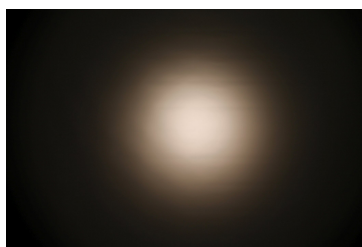
LED Fortimo SLM L09 CoB
 FWHM / FWTM 14.0° / 35.0°
 Efficiency 87 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H
 C14658_BARBARA-RZ-LENS



Light distribution files



LED Fortimo SLM L09 CoB
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 91 %
 Peak intensity 9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

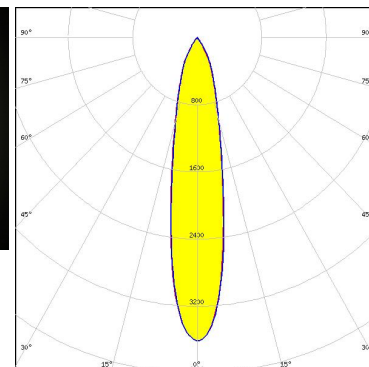
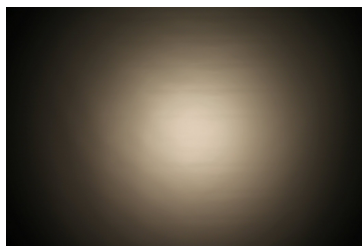


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

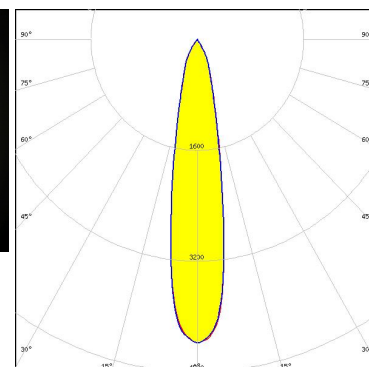
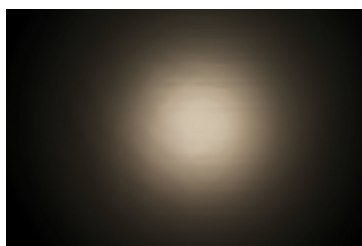
LED Fortimo SLM L13 CoB
 FWHM / FWTM 20.0° / 54.0°
 Efficiency 82 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 432 Typ L8



Light distribution files

PHILIPS

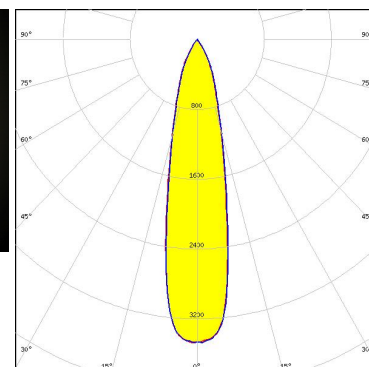
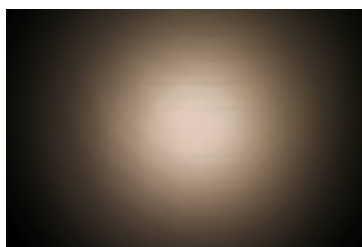
LED Fortimo SLM L13 CoB
 FWHM / FWTM 20.0° / 48.0°
 Efficiency 87 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



Light distribution files

PHILIPS

LED Fortimo SLM L15 CoB
 FWHM / FWTM 23.0° / 55.0°
 Efficiency 86 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8

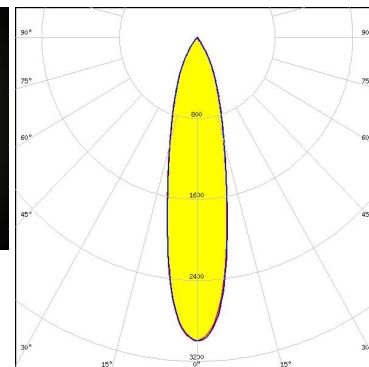
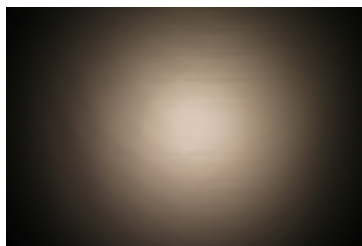


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

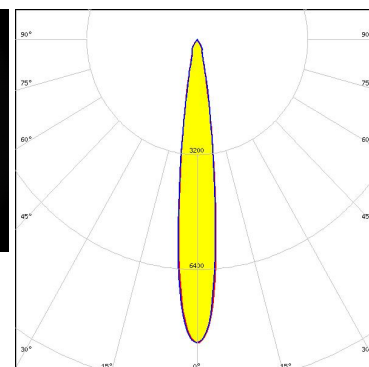
LED Fortimo SLM L15 CoB
 FWHM / FWTM 23.0° / 57.0°
 Efficiency 81 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 432 Typ L8



Light distribution files

SAMSUNG

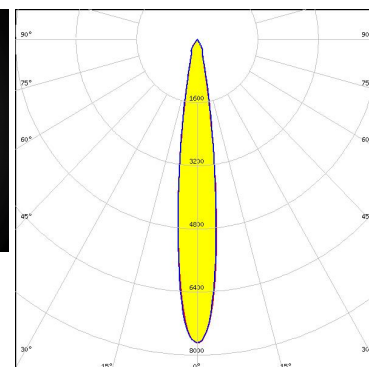
LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 90 %
 Peak intensity 8.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 15.0° / 31.0°
 Efficiency 90 %
 Peak intensity 7.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

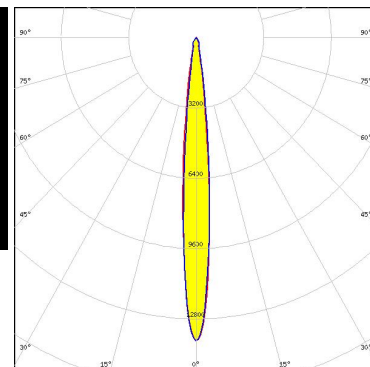


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

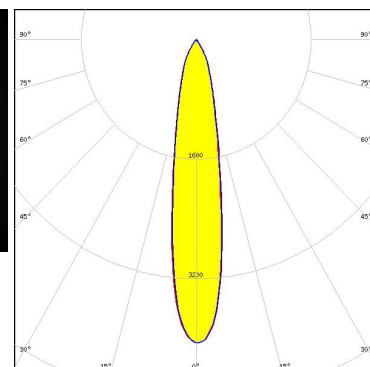
LED LC010C G2
FWHM / FWTM 10.0° / 22.0°
Efficiency 90 %
Peak intensity 13.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

SAMSUNG

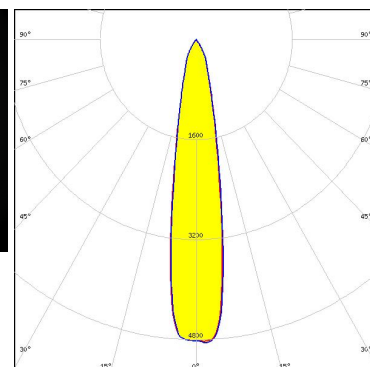
LED LC020T (Tunable white)
FWHM / FWTM 19.0° / 50.0°
Efficiency 82 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K
C14658_BARBARA-RZ-LENS
Bender Wirth: 501 Typ L8



Light distribution files

SAMSUNG

LED LC020T (Tunable white)
FWHM / FWTM 19.0° / 44.0°
Efficiency 87 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 501 Typ L8

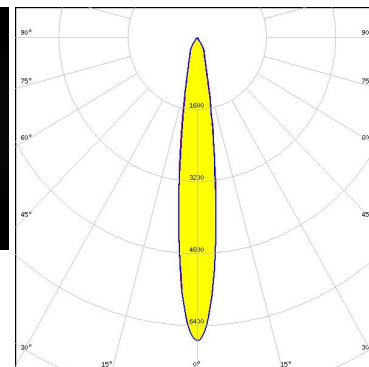
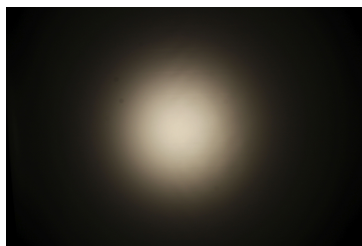


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

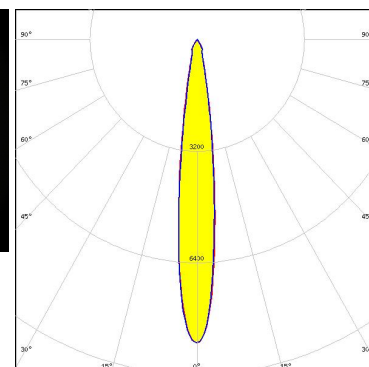
LED SLE G7 LES09
 FWHM / FWTM 14.0° / 35.0°
 Efficiency 88 %
 Peak intensity 6.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files

TRIDONIC

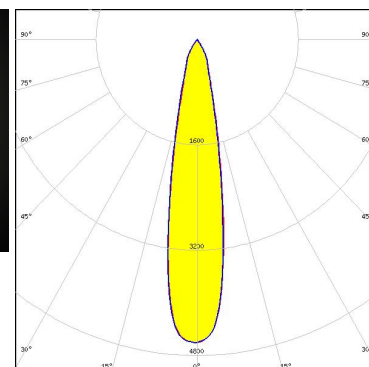
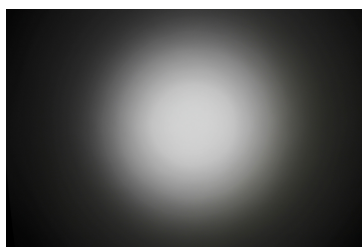
LED SLE G7 LES09
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 92 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 20.0° / 45.0°
 Efficiency 89 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

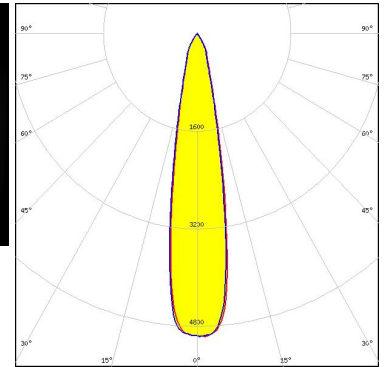


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

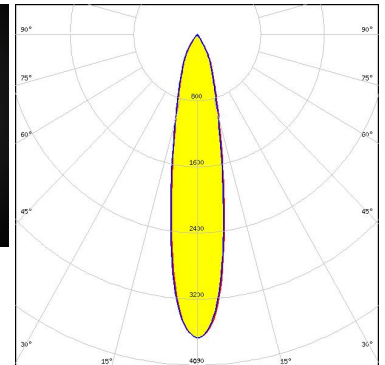
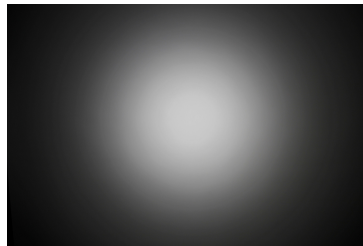
LED SLE G7 LES13
 FWHM / FWTM 20.0° / 43.0°
 Efficiency 92 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

TRIDONIC

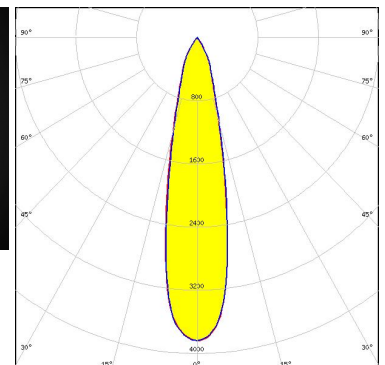
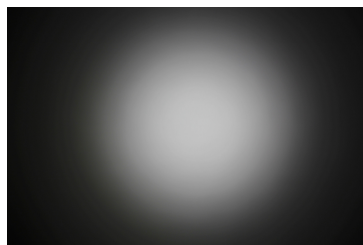
LED SLE G7 LES13
 FWHM / FWTM 20.0° / 54.0°
 Efficiency 82 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I
 C14658_BARBARA-RZ-LENS



Light distribution files

TRIDONIC

LED SLE G7 LES15
 FWHM / FWTM 23.0° / 53.0°
 Efficiency 89 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

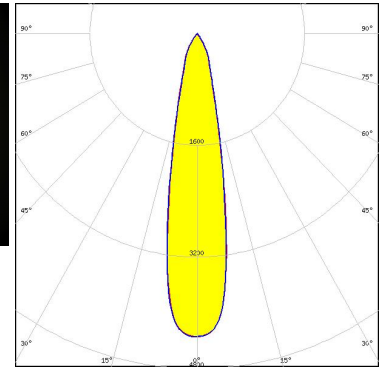
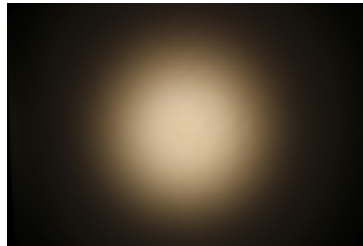


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

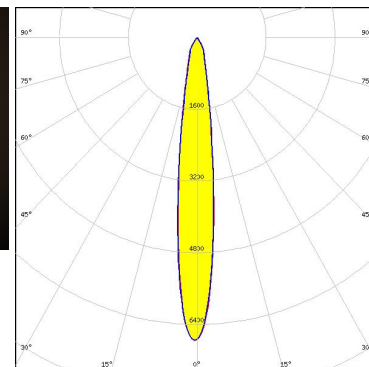
LED XOB 14.5 mm
 FWHM / FWTM 21.0° / 48.0°
 Efficiency 91 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



OPTICAL RESULTS (MEASURED):

XICATO

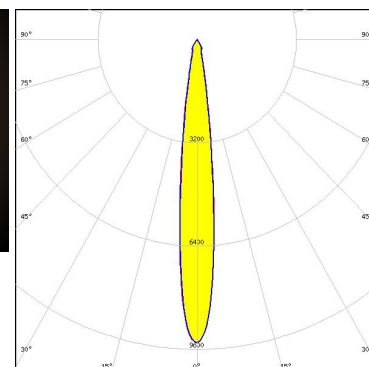
LED XOB 9.8 mm
 FWHM / FWTM 14.0° / 35.5° + 34.5°
 Efficiency 86 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files

XICATO

LED XOB 9.8 mm
 FWHM / FWTM 13.0° / 27.5° + 27.0°
 Efficiency 90 %
 Peak intensity 9.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

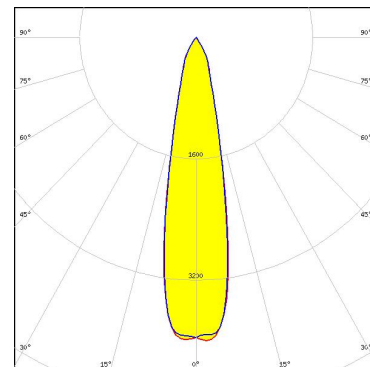


Light distribution files

OPTICAL RESULTS (SIMULATED):



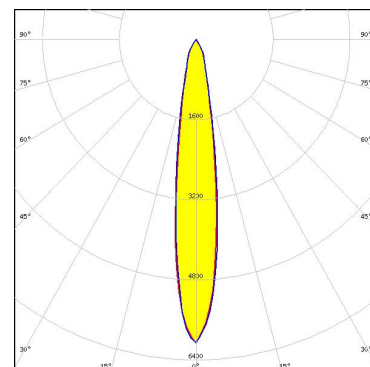
LED V13 Gen 8-9
 FWHM / FWTM 22.0° / 50.0°
 Efficiency 88 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



LED Vesta DTW 15mm (33W)
 FWHM / FWTM 16.0° / 38.0°
 Efficiency 86 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

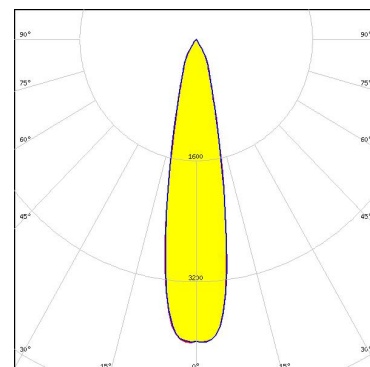


Bender Wirth: 491 Typ L8

Light distribution files



LED CMA1840
 FWHM / FWTM 22.0° / 50.0°
 Efficiency 87 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



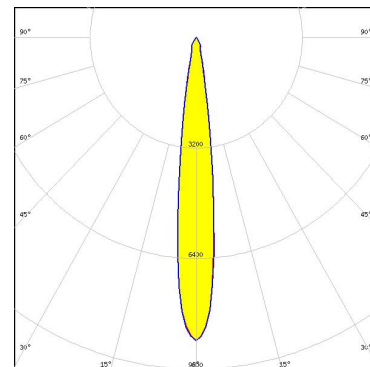
Bender Wirth: 637a Hekla

Light distribution files

OPTICAL RESULTS (SIMULATED):



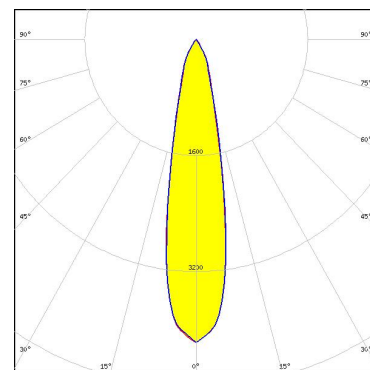
LED CMT14xx
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 84 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



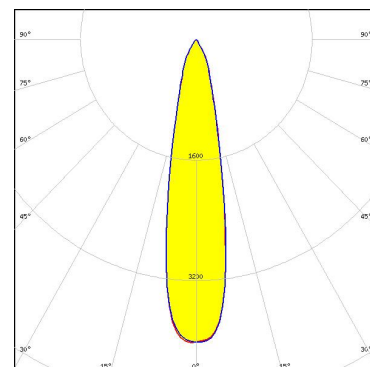
LED CMU15xx
 FWHM / FWTM 22.0° / 49.0°
 Efficiency 88 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



LED LUXEON CoB 1208
 FWHM / FWTM 21.0° / 49.0°
 Efficiency 86 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

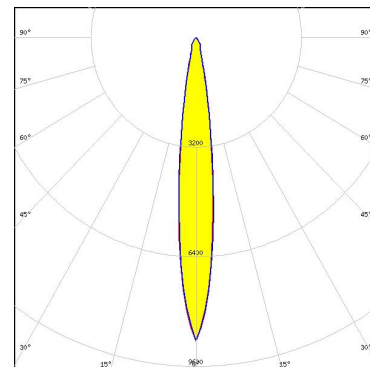


Light distribution files

OPTICAL RESULTS (SIMULATED):



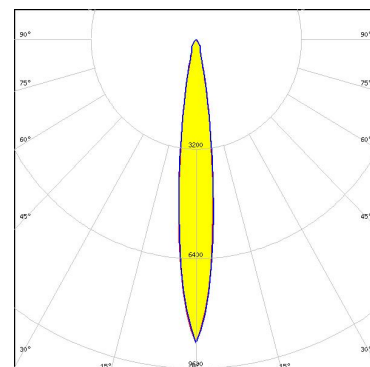
LED COB L-Type (LES 11)
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 89 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



LED COB L-Type (LES 9)
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 89 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



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

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Shenzhen 518057
P.R.CHINA

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[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)