

BROOKE-G2-S

~20° spot beam compatible with LEDiL HEKLA.

TECHNICAL SPECIFICATIONS:

Ø 45.0 mm **Dimensions** Height 18.9 mm socket Fastening **ROHS** compliant yes 🕕



MATERIAL SPECIFICATIONS:

Component **Type** Material **BROOKE-G2-S** Reflector PC

Colour **Finish** Coating **HMDS** metal

ORDERING INFORMATION:

Component

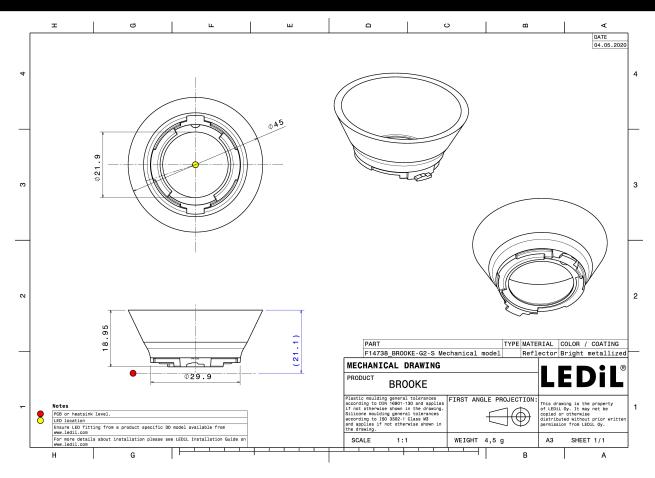
F14738_BROOKE-G2-S

» Box size: 480 x 280 x 300 mm

Qty in box MOQ MPQ Box weight (kg) 720

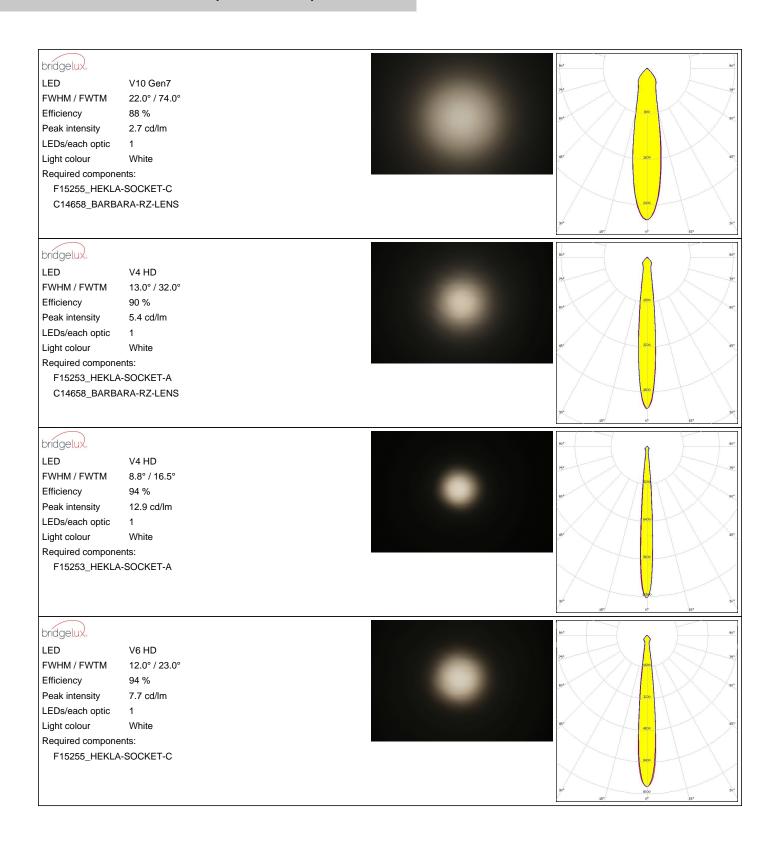
45 45 4.8



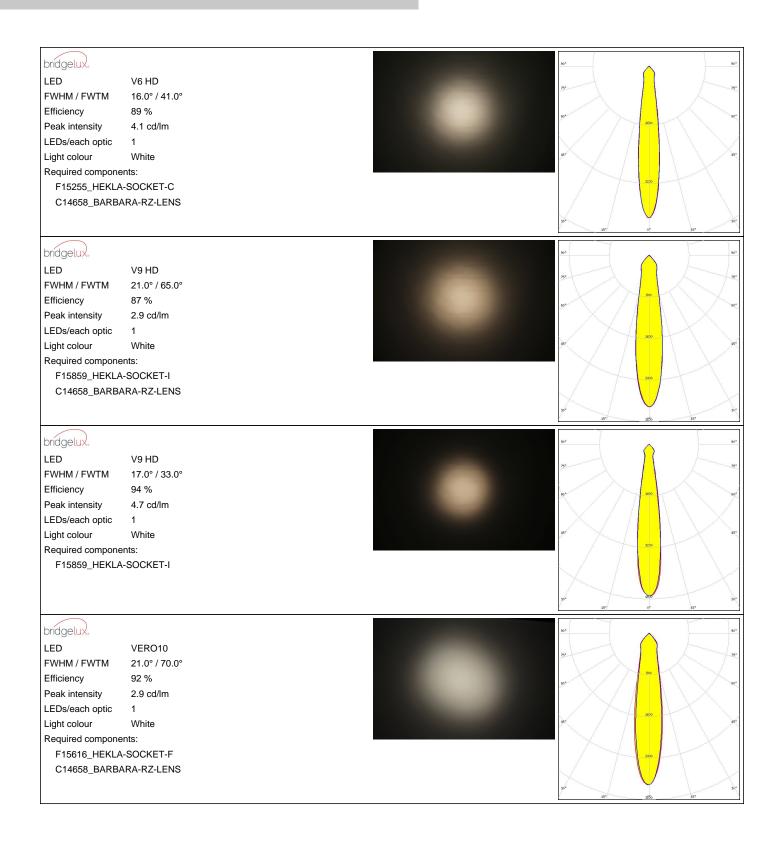


See also our general installation guide: www.ledil.com/installation_guide

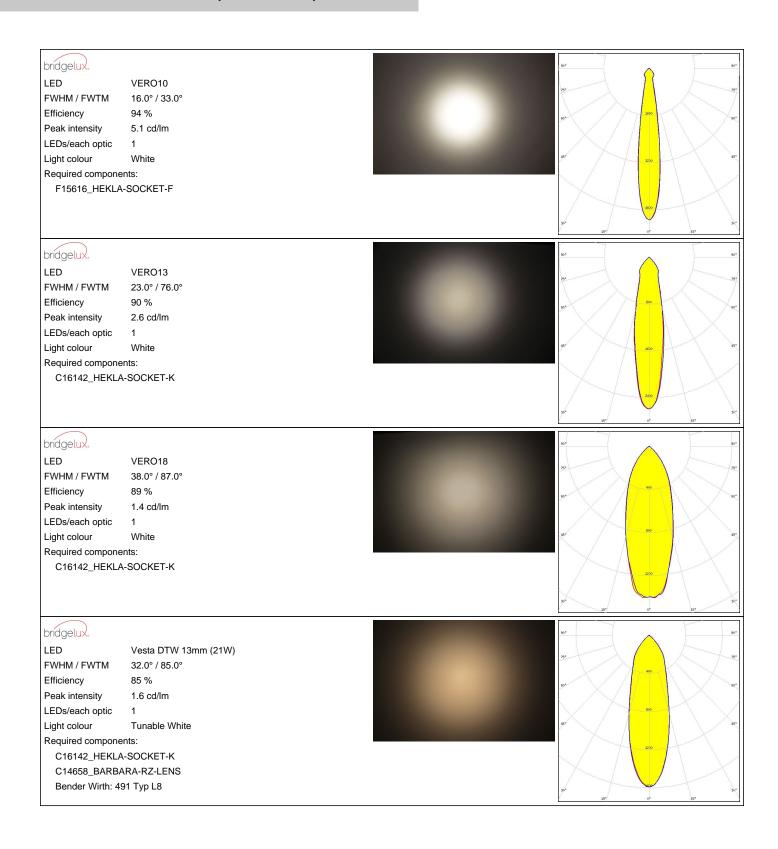




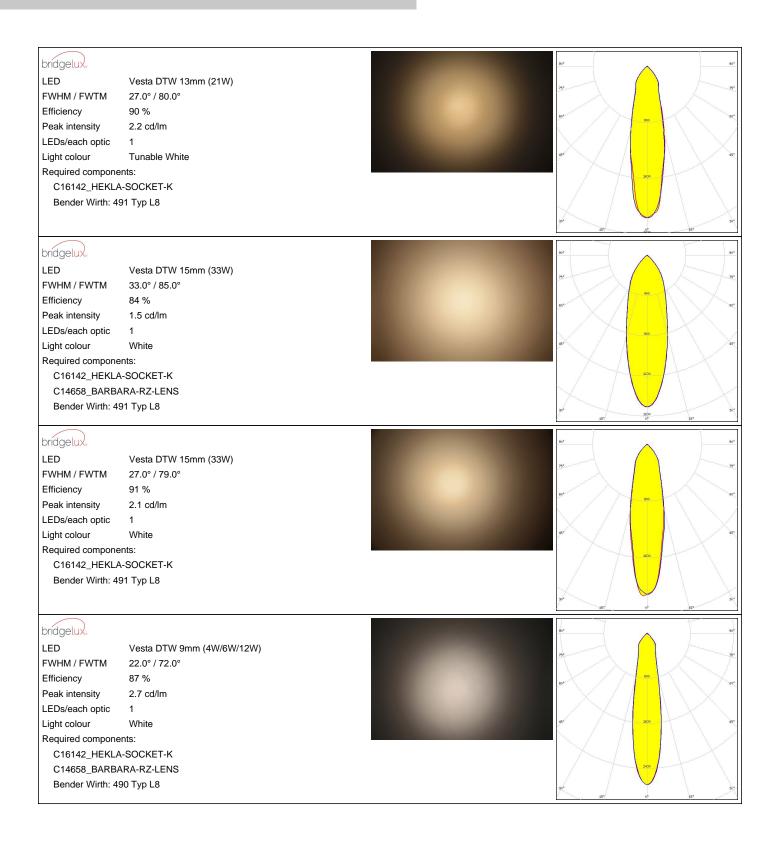














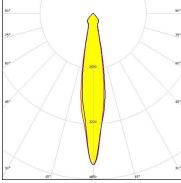
bridgelux

LED Vesta DTW 9mm (4W/6W/12W)

FWHM / FWTM 18.0° / 38.0°
Efficiency 92 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8





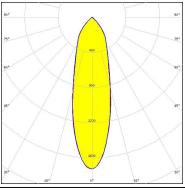
bridgelux

LED Vesta TW 13mm (25W) CSP

FWHM / FWTM 30.0° / 82.0°
Efficiency 85 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 492 Typ L8





bridgelux.

LED Vesta TW 6mm DP
FWHM / FWTM 17.0° / 49.0°
Efficiency 85 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 504 Typ L8



bridgelux.

LED Vesta TW 6mm DP
FWHM / FWTM 13.0° / 26.0°

Efficiency 90 %
Peak intensity 6.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C16142_HEKLA-SOCKET-K



Bender Wirth: 504 Typ L8

7/32

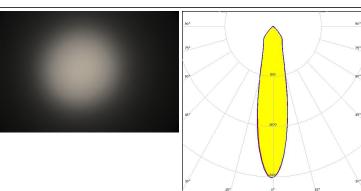




LED Vesta TW 9mm (12W) CSP

FWHM / FWTM 23.0° / 76.0°
Efficiency 85 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 489 Typ L8

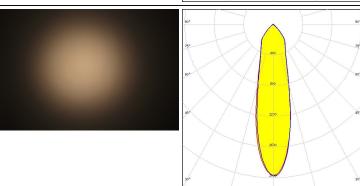


CITIZEN

LED CLC020 Series (Dim-To-Warm)

FWHM / FWTM 26.0° / 81.0°
Efficiency 84 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 487 Typ L8

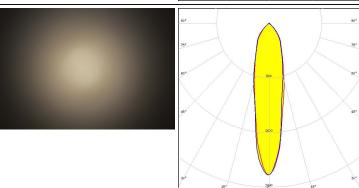


CITIZEN

LED CLC030 Series (Dim-To-Warm)

FWHM / FWTM 23.0° / 78.0°
Efficiency 89 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K



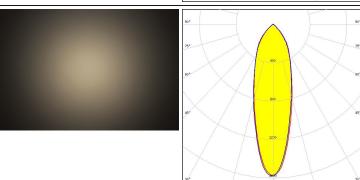
CITIZEN

LED CLC030 Series (Dim-To-Warm)

FWHM / FWTM 30.0° / 84.0° Efficiency %

Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 436 Typ L8



8/32

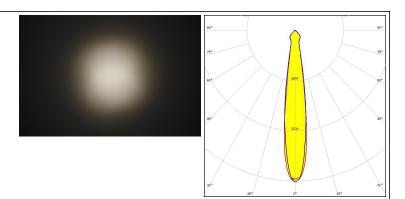


CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 16.0° / 33.0°
Efficiency 94 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C



CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 16.0° / 33.0°
Efficiency 94 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C

CITIZEN

 LED
 CLU700/701/702

 FWHM / FWTM
 17.0° / 47.0°

 Efficiency
 90 %

 Peak intensity
 3.8 cd/lm

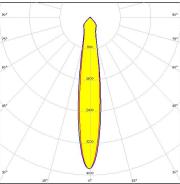
 LEDs/each optic
 1

 Light colour
 White

 Required components:
 F15255_HEKLA-SOCKET-C

C14658_BARBARA-RZ-LENS





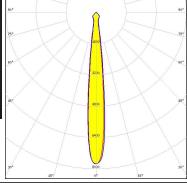
CITIZEN

Required components:

LED CLU700/701/702
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White

F15255_HEKLA-SOCKET-C







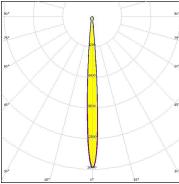
CITIZEN

LED CLU7A2 (LES 4.2mm)

FWHM / FWTM 8.0° / 15.0°
Efficiency 94 %
Peak intensity 15.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C



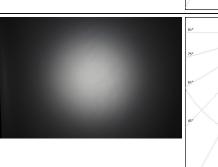


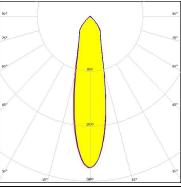
CITIZEN

LED LCN-C01B (Tunable White)

FWHM / FWTM 25.0° / 79.0°
Efficiency 86 %
Peak intensity 2.2 cd/lm
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 / FWTM 32.0° / 85.0°

Efficiency 84 %

Peak intensity 1.6 cd/lm

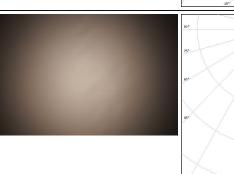
LEDs/each optic 1

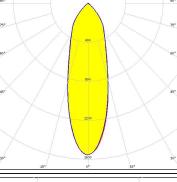
Light colour White

Required components:

C16142 HEKLA-SOCKET-K

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 481 Typ L8

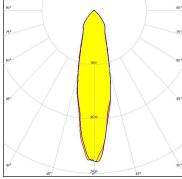




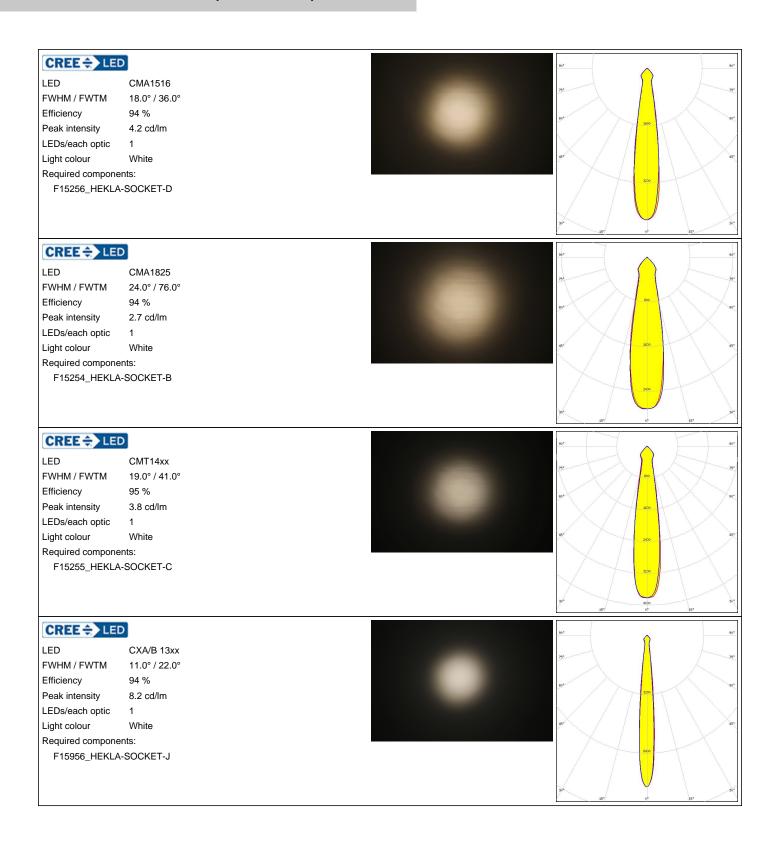
CITIZEN

LED LCN-C02B (Tunable White)

FWHM / FWTM 27.0° / 79.0°
Efficiency 89 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



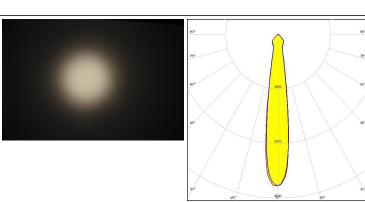






CREE - LED

LED CXA/B 15xx
FWHM / FWTM 16.0° / 36.0°
Efficiency 94 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D

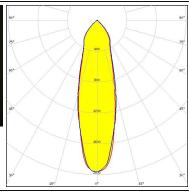


LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)

FWHM / FWTM 29.0° / 83.0°
Efficiency 92 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 637a Hekla





MUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)

FWHM / FWTM 35.0° / 87.0°
Efficiency 84 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C14658_BARBARA-RZ-LENS Bender Wirth: 637a Hekla

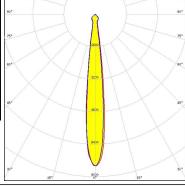


DESCRIPTION LUMILEDS

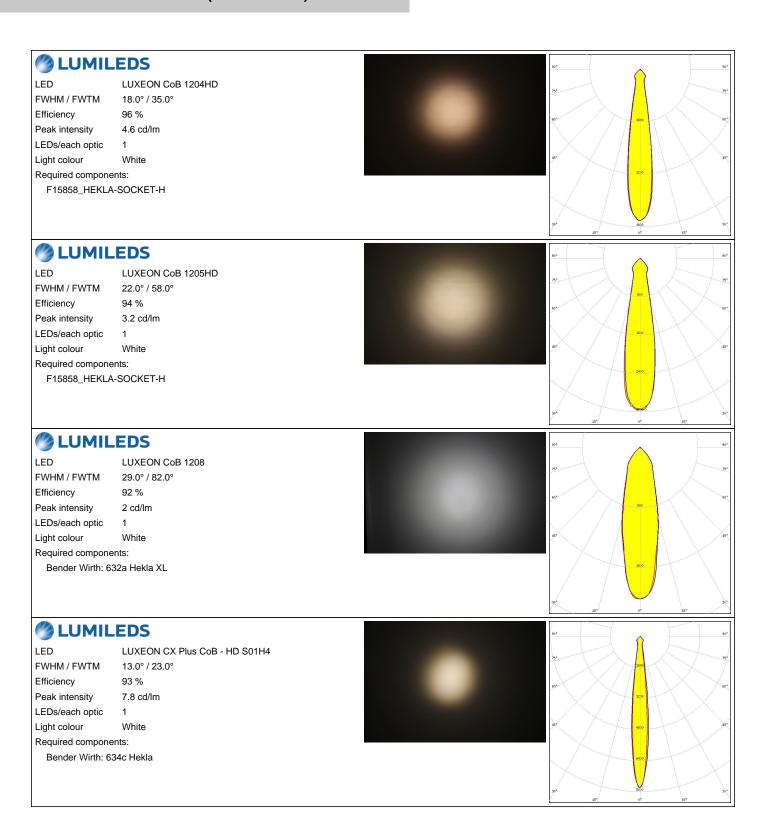
LED LUXEON CoB 1202HD

FWHM / FWTM 13.0° / 23.0°
Efficiency 95 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G

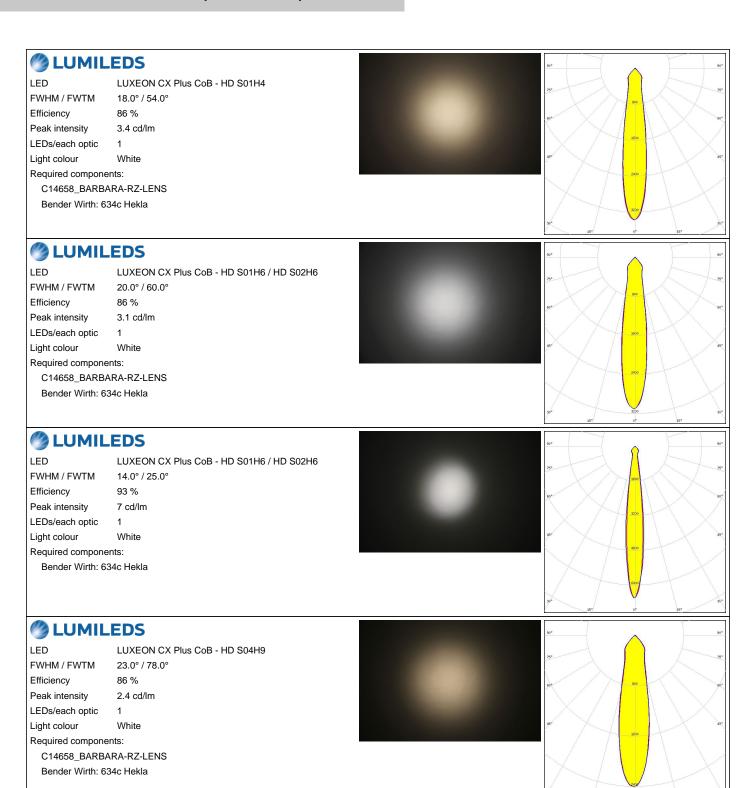




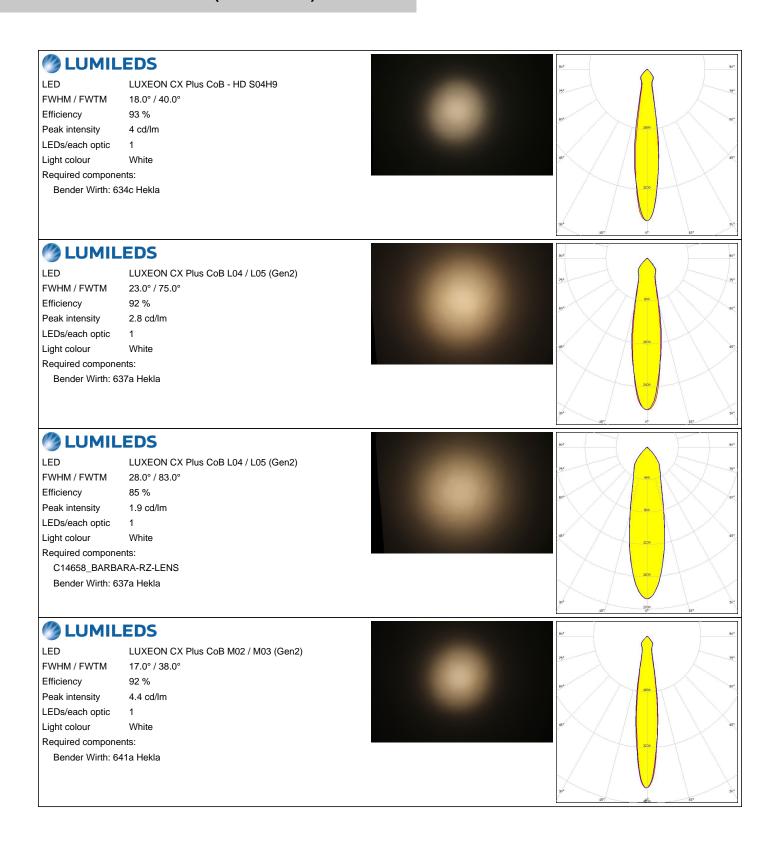




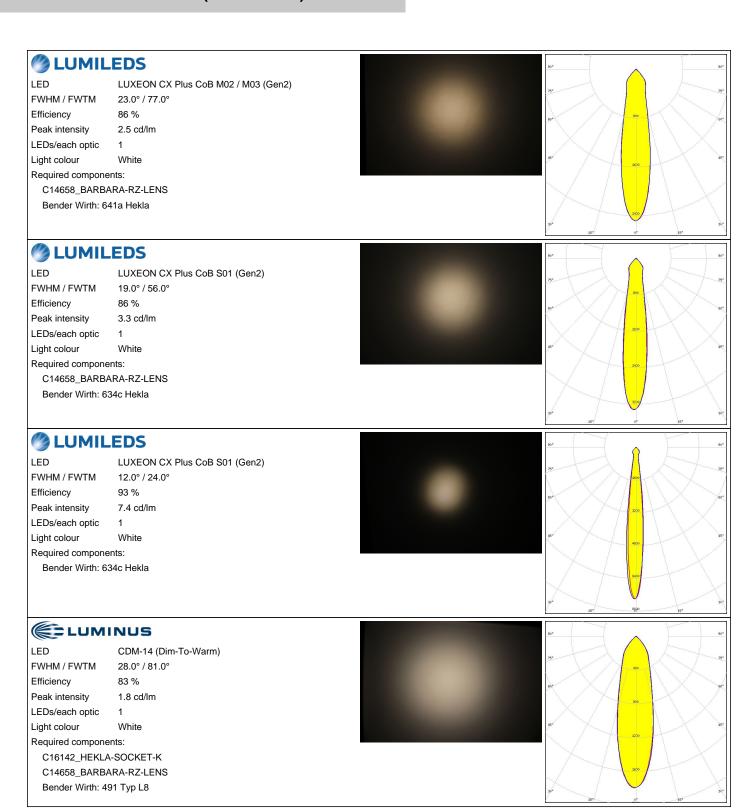




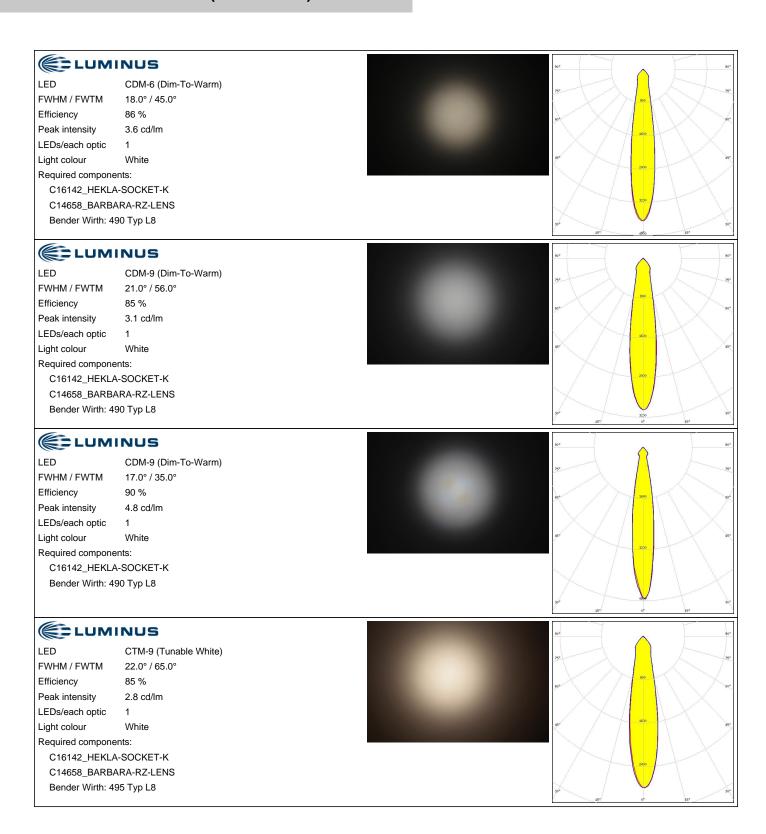




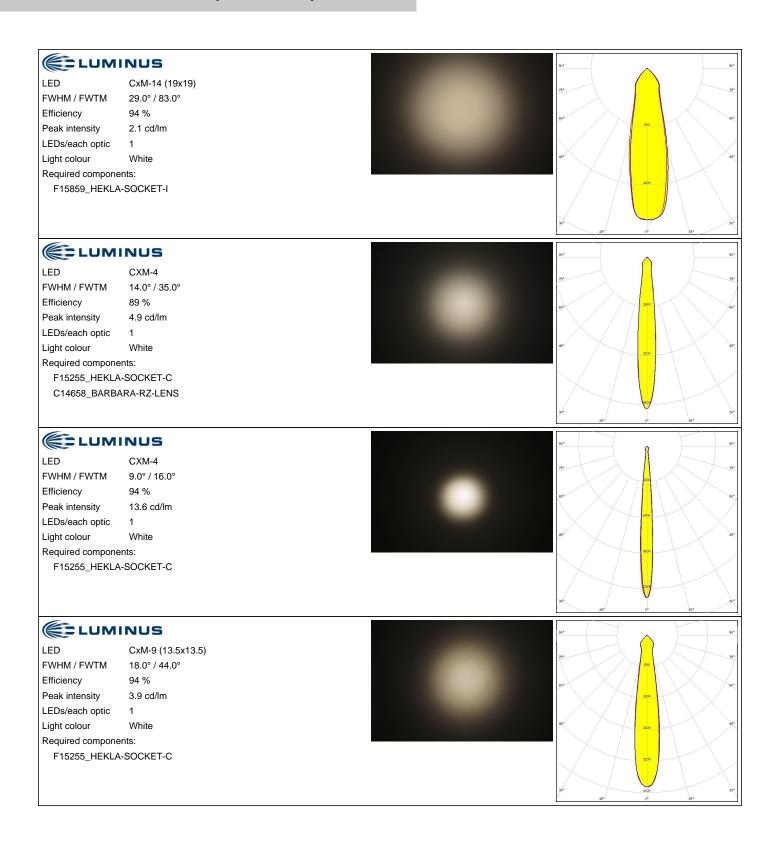




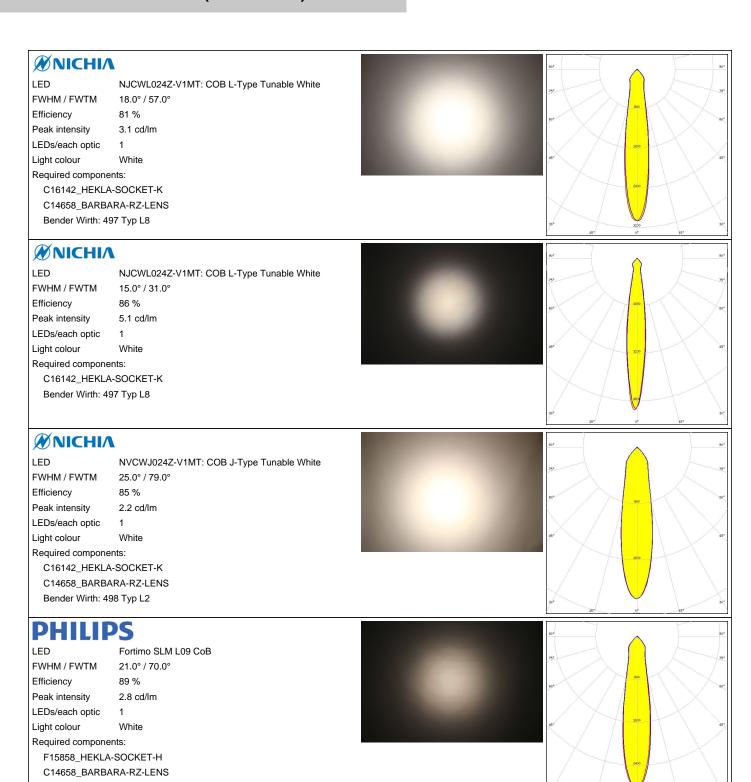














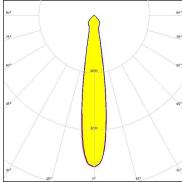
PHILIPS

LED Fortimo SLM L09 CoB

FWHM / FWTM 18.0° / 38.0°
Efficiency 94 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15858_HEKLA-SOCKET-H





PHILIPS

LED Fortimo SLM L13 CoB

FWHM / FWTM 32.0° / 85.0°

Efficiency 85 %

Peak intensity 1.6 cd/lm

LEDs/each optic 1

Light colour White

Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 432 Typ L8



PHILIPS

LED Fortimo SLM L13 CoB

FWHM / FWTM 27.0° / 80.0°

Efficiency 89 %

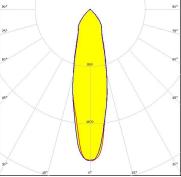
Peak intensity 2.1 cd/lm

LEDs/each optic 1

Light colour White

Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 432 Typ L8



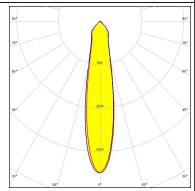


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 22.0° / 70.0°
Efficiency 90 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS



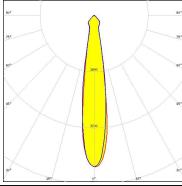


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 18.0° / 37.0°
Efficiency 94 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 18.0° / 37.0°
Efficiency 94 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

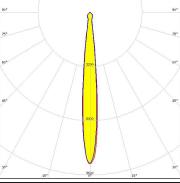
F15255_HEKLA-SOCKET-C

SAMSUNG

LED LC010C G2
FWHM / FWTM 11.0° / 20.0°
Efficiency 93 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





SAMSUNG

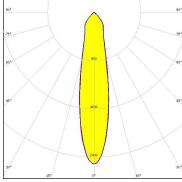
LED LC010T (Tunable White)

FWHM / FWTM 23.0° / 75.0° Efficiency 86 % Peak intensity 2.5 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







SAMSUNG

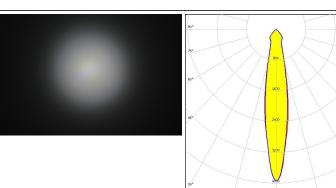
LED LC010T (Tunable White)

FWHM / FWTM 18.0° / 43.0° Efficiency 91 % Peak intensity 3.9 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components:

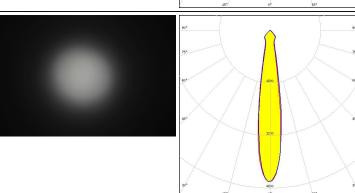
C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8



SAMSUNG

LED LC020C G2
FWHM / FWTM 17.0° / 35.0°
Efficiency 94 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White

Required components: F15859_HEKLA-SOCKET-I



SAMSUNG

LED LC020T (Tunable white)

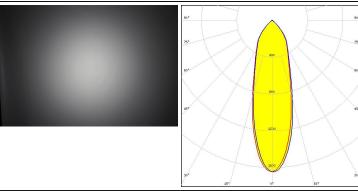
FWHM / FWTM 31.0° / 84.0°
Efficiency 85 %
Peak intensity 1.6 cd/lm

LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 501 Typ L8



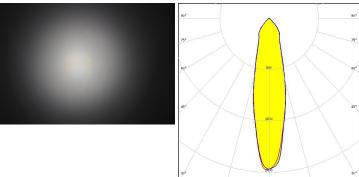
SAMSUNG

LED LC020T (Tunable white)

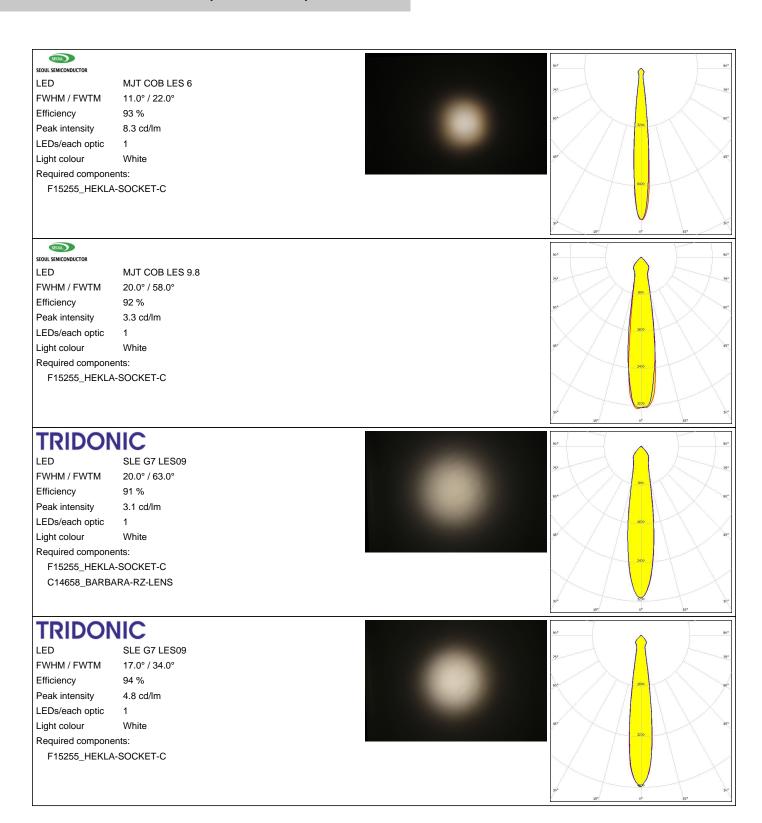
FWHM / FWTM 26.0° / 78.0° Efficiency 90 % Peak intensity 2.4 cd/lm LEDs/each optic 1

Light colour Tunable White

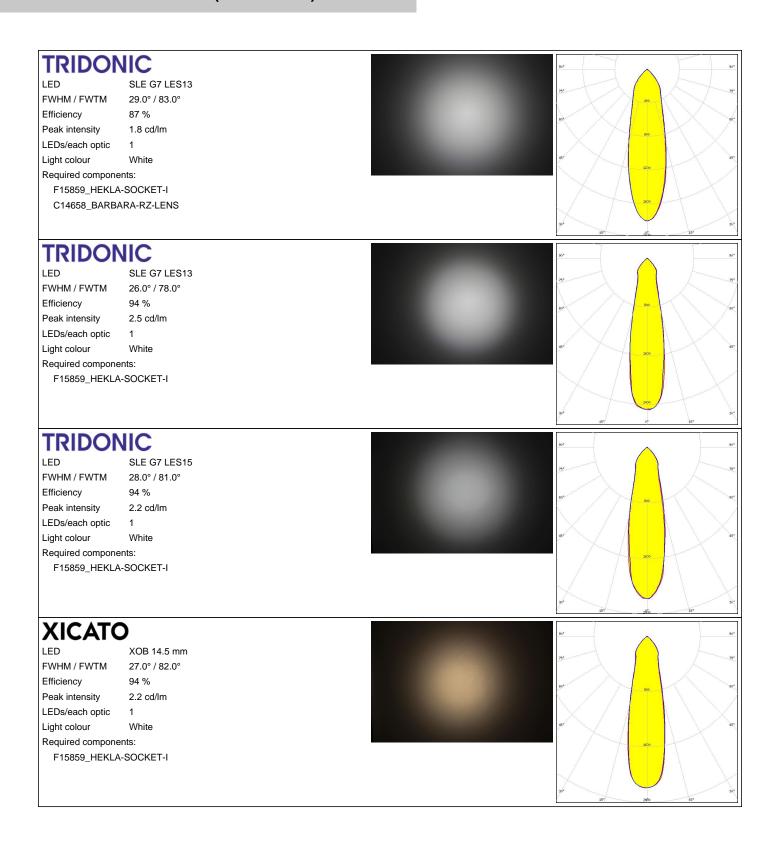
Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8



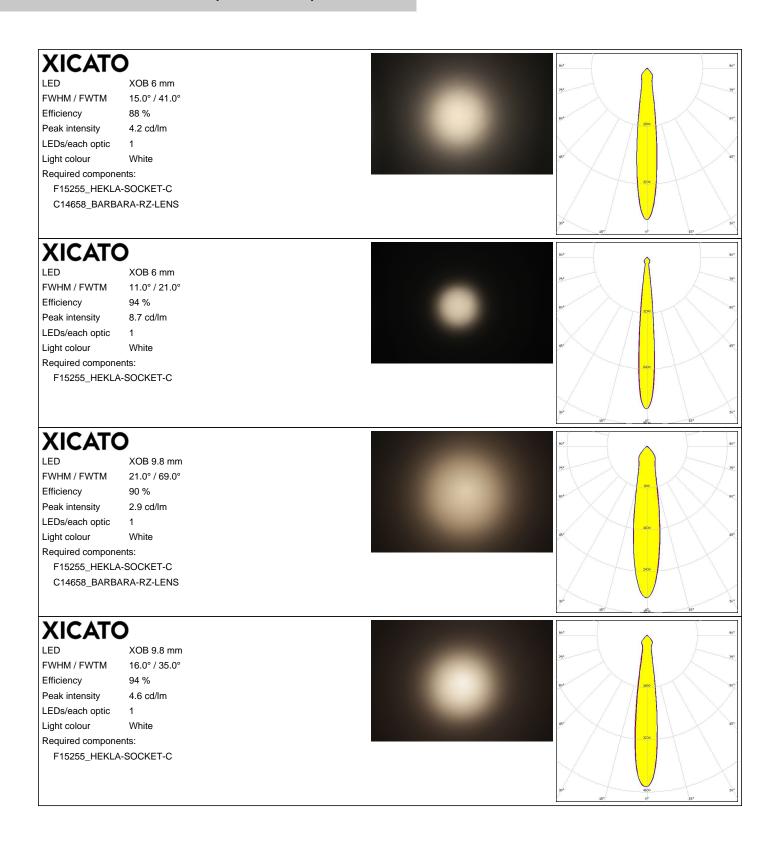




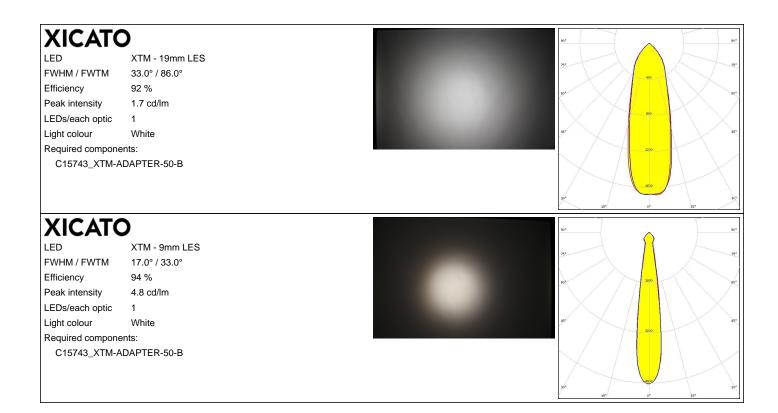














bridgelux

LEDV10 Gen6FWHM / FWTM15.0°Efficiency0 %LEDs/each optic1Light colourWhiteRequired components:

F14988_HEKLA-SOCKET-E

bridgelux.

LED V10 Gen6 FWHM / FWTM 15.0° / 32.0°

Efficiency %
LEDs/each optic 1
Light colour White
Required components:

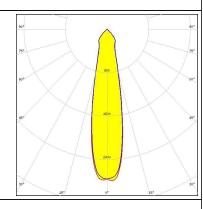
F14988_HEKLA-SOCKET-E

bridgelux

LED V13 Gen6
FWHM / FWTM 24.0° / 70.0°
Efficiency 92 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F14988_HEKLA-SOCKET-E



bridgelux.

LED V8 Gen6
FWHM / FWTM 15.0°
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:

F15253_HEKLA-SOCKET-A



bridgelux

LED V8 Gen6 FWHM / FWTM 15.0° / 32.0°

Efficiency 0 %
LEDs/each optic 1
Light colour White

Required components: F15253_HEKLA-SOCKET-A

bridgelux

LED Vesta TW 9mm (9W) DP

FWHM / FWTM 18.0° / 45.0°
Efficiency 87 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 489 Typ L8

CITI7FN

 LED
 CLL03x/CLU03x

 FWHM / FWTM
 31.0° / 83.0°

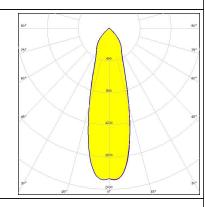
 Efficiency
 93 %

 Peak intensity
 1.9 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 F15859_HEKLA-SOCKET-I



CREE - LED

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM / FWTM 22.0°
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:

F15254_HEKLA-SOCKET-B



CREE - LED

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM / FWTM 22.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

F15254_HEKLA-SOCKET-B

ELUMINUS

 LED
 CXM-3

 FWHM / FWTM
 6.0° / 12.0°

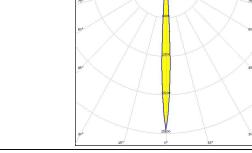
 Efficiency
 93 %

 Peak intensity
 25.2 cd/lm

 LEDs/gach potics
 1

LEDs/each optic 1
Light colour White
Required components:

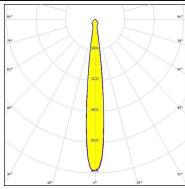
C16142_HEKLA-SOCKET-K Bender Wirth: 434 Typ L8



LUMINUS

LED CxM-6 (13.5x13.5)
FWHM / FWTM 12.0° / 24.0°
Efficiency 93 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White

Light colour W Required components: F17435_HEKLA-G2-C



WNICHIA

LED COB L-Type (LES 11)

FWHM / FWTM 20.0° / 51.0°

Efficiency 93 %

Peak intensity 3.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F15858_HEKLA-SOCKET-H



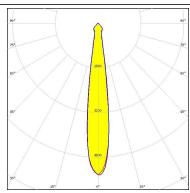
WNICHIA

LED COB L-Type (LES 9)

FWHM / FWTM 16.0° / 30.0°
Efficiency 93 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15858_HEKLA-SOCKET-H



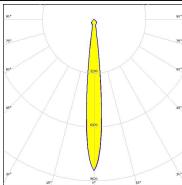
WNICHIA

LED COB T-Type FWHM / FWTM 12.0° / 21.0°

Efficiency 91 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15848_HEKLA-SOCKET-G



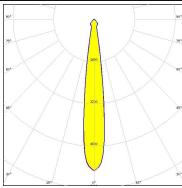
WNICHIA

LED NFSWE11A FWHM / FWTM 14.0° / 28.0°

Efficiency 86 %
Peak intensity 5.7 cd/lm
LEDs/each optic 30
Light colour White

Required components:

C16142_HEKLA-SOCKET-K



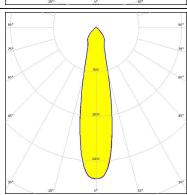
OSRAM

LED Soleriq S13 19x19

FWHM / FWTM 23.9° / 70.4°
Efficiency 93 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15859_HEKLA-SOCKET-I





OSRAM

 LED
 Soleriq S9

 FWHM / FWTM
 17.4° / 36.5°

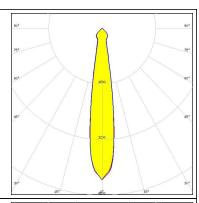
 Efficiency
 93 %

Efficiency 93 %
Peak intensity 4.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:

F15255_HEKLA-SOCKET-C

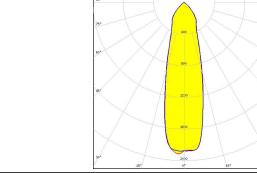


SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 29.0° / 82.1°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I





PRODUCT DATASHEET F14738_BROOKE-G2-S

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.

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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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