

BARBARA-G2-S

~12° spot beam compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions Ø 70.0 mm

Height 41.9 mm

Fastening socket

ROHS compliant yes ①



MATERIALS:

ComponentTypeMaterialBARBARA-G2-SReflectorPC

Colour Finish Coating metal

ORDERING INFORMATION:

Component

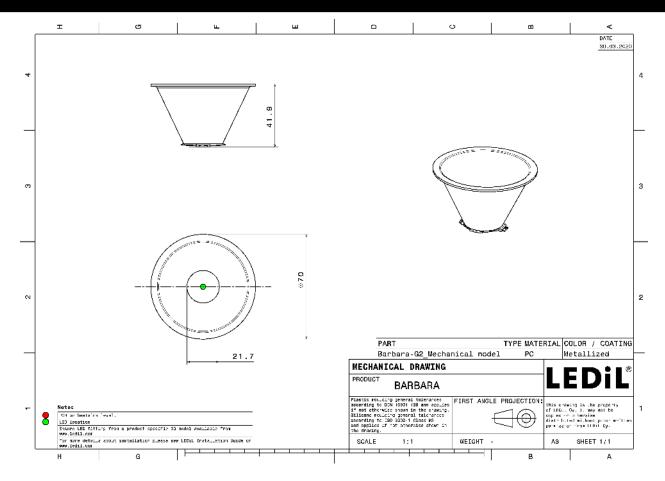
F16363_BARBARA-G2-S

» Box size: 480 x 280 x 300 mm

Qty in box MOQ MPQ Box weight (kg) 252 90 18 4.6

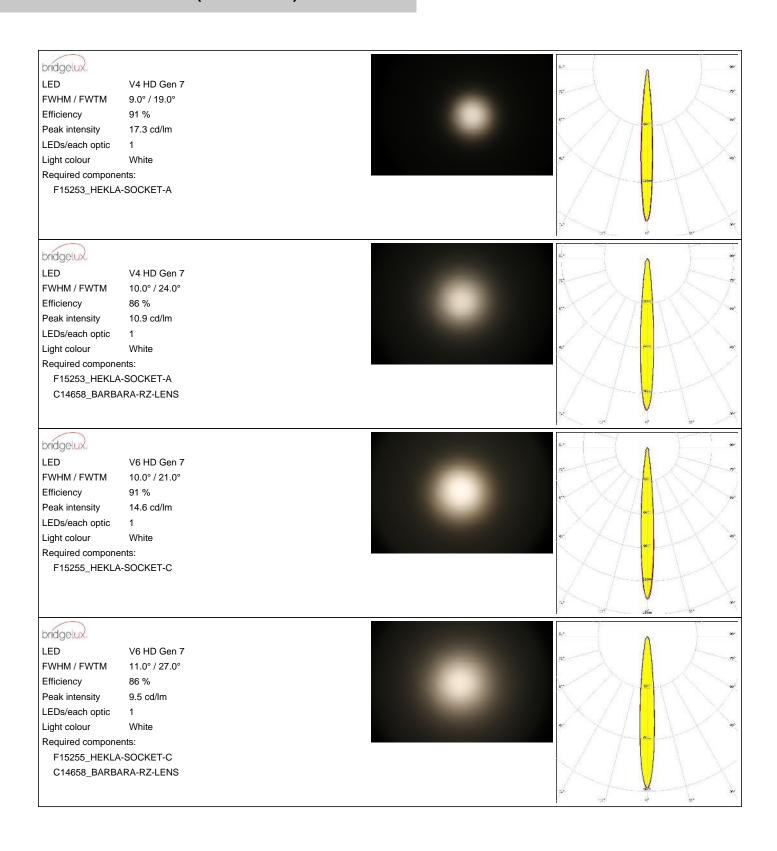


PRODUCT F16363_BARBARA-G2-S

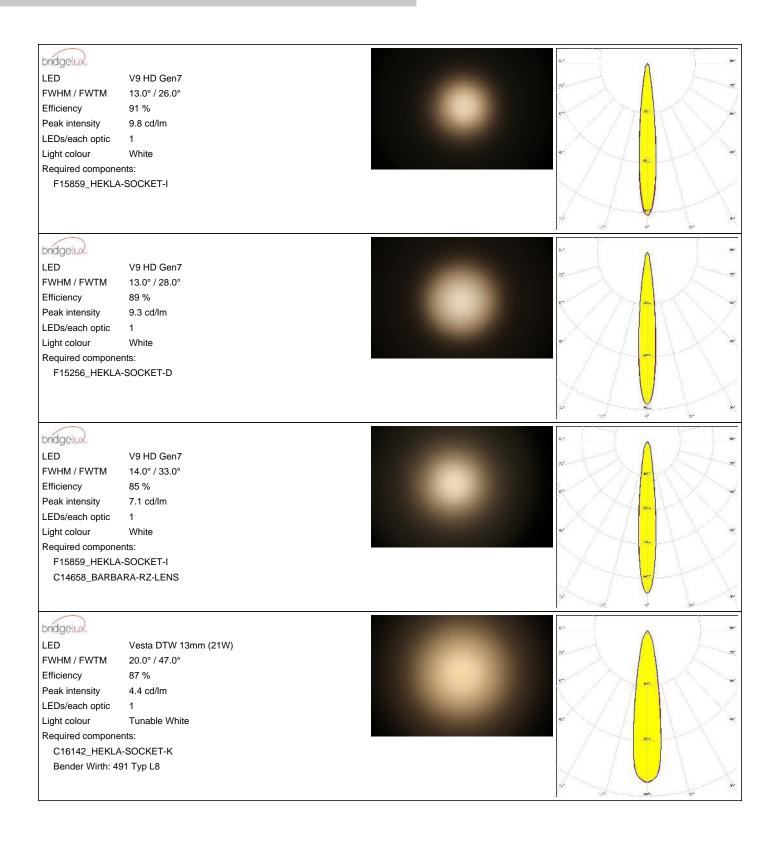


See also our general installation guide: www.ledil.com/installation_guide

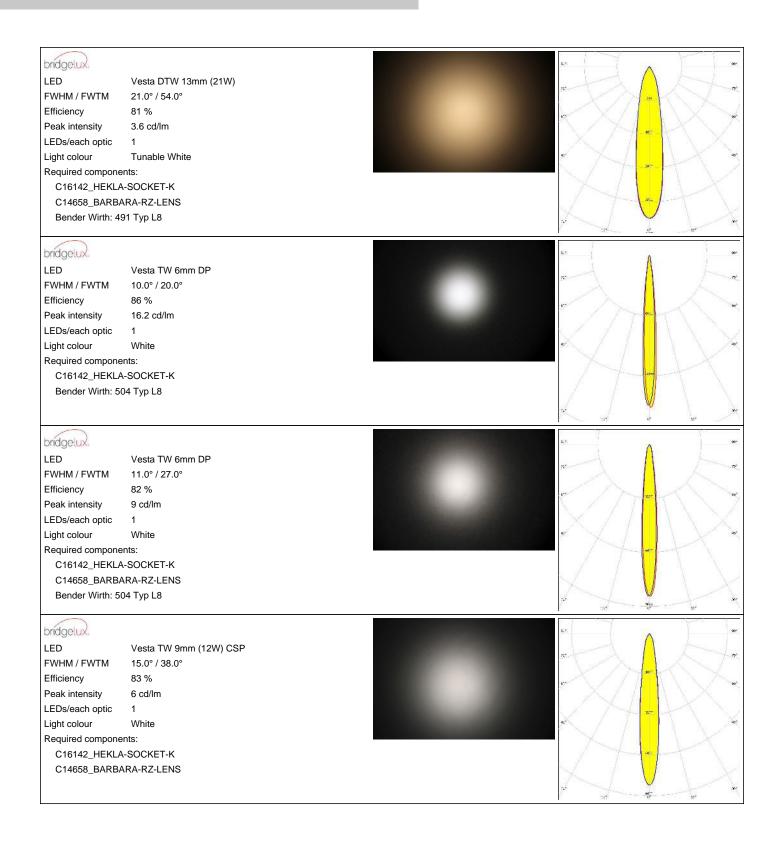












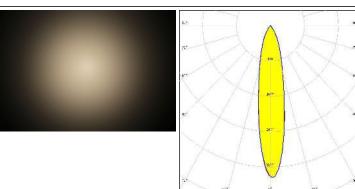


CITIZEN LED CL

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 White
Required components:

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

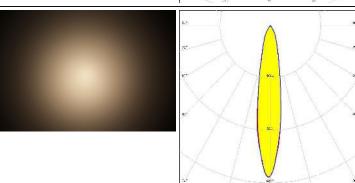


CITIZEN

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 White
Required components:

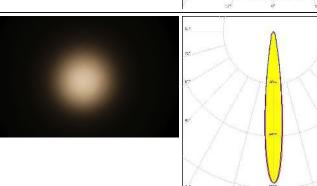
C16142_HEKLA-SOCKET-K Bender Wirth: 436 Typ L8



CITIZEN

LED CLL02x/CLU02x (LES10)

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

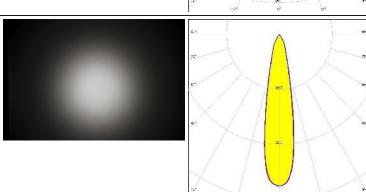


CITIZEN

LED CLL03x/CLU03x FWHM / FWTM 21.0° / 48.0°

Efficiency 91 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I





CITIZEN

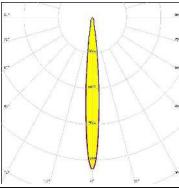
LED CLU700/701/702/703

FWHM / FWTM 10.0° / 22.0° Efficiency 90 % Peak intensity 13.6 cd/lm LEDs/each optic 1

Light colour White Required components:

F15255_HEKLA-SOCKET-C





CITIZEN

LED LCN-C02B (Tunable White)

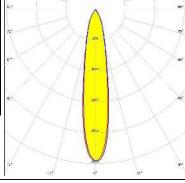
FWHM / FWTM 19.0° / 50.0°
Efficiency 81 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1

Light colour Tunable White

Required components:

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



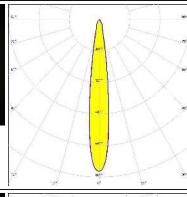


CREE - LED

LED CMT14xx
FWHM / FWTM 15.0° / 30.0°
Efficiency 90 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1

Light colour White
Required components:
F15255_HEKLA-SOCKET-C





CREE - LED

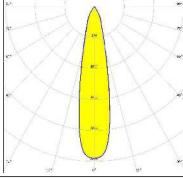
LED CMT19xx FWHM / FWTM 22.0° / 52.0°

Efficiency 90 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White

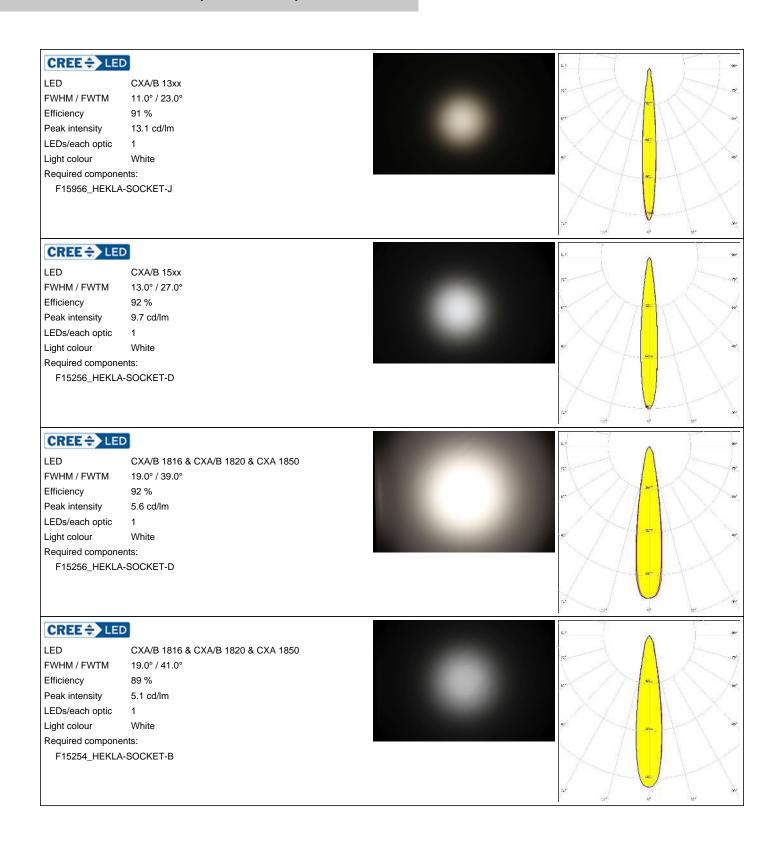
F15859_HEKLA-SOCKET-I

Required components:

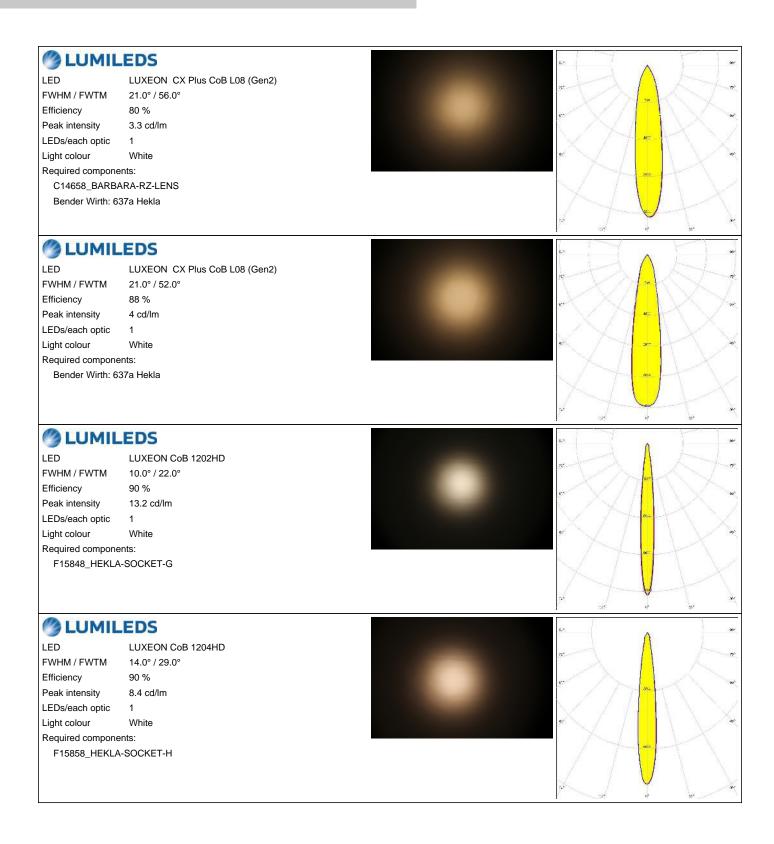




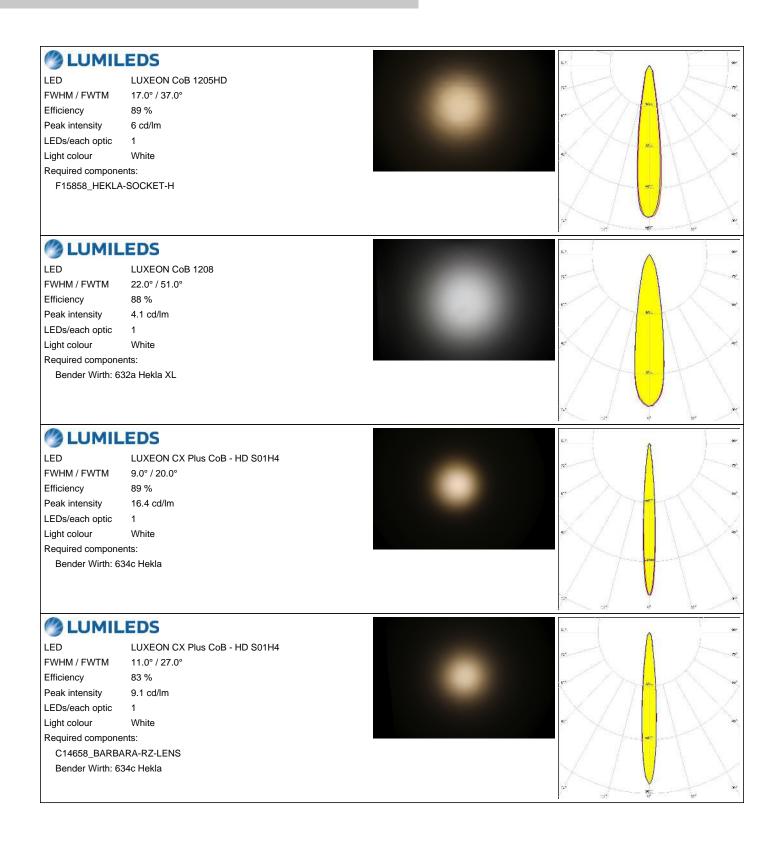




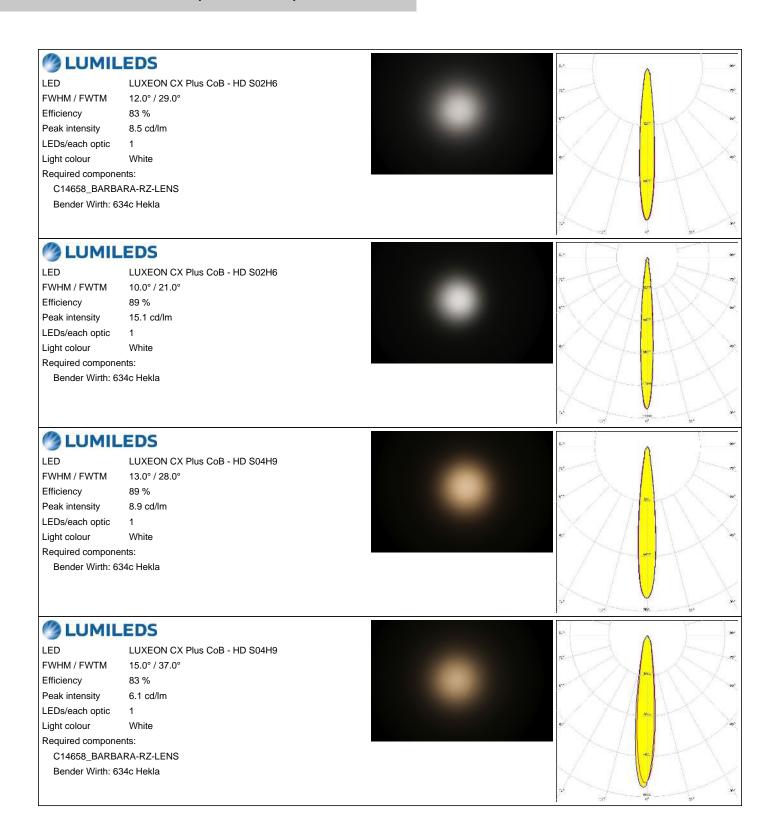




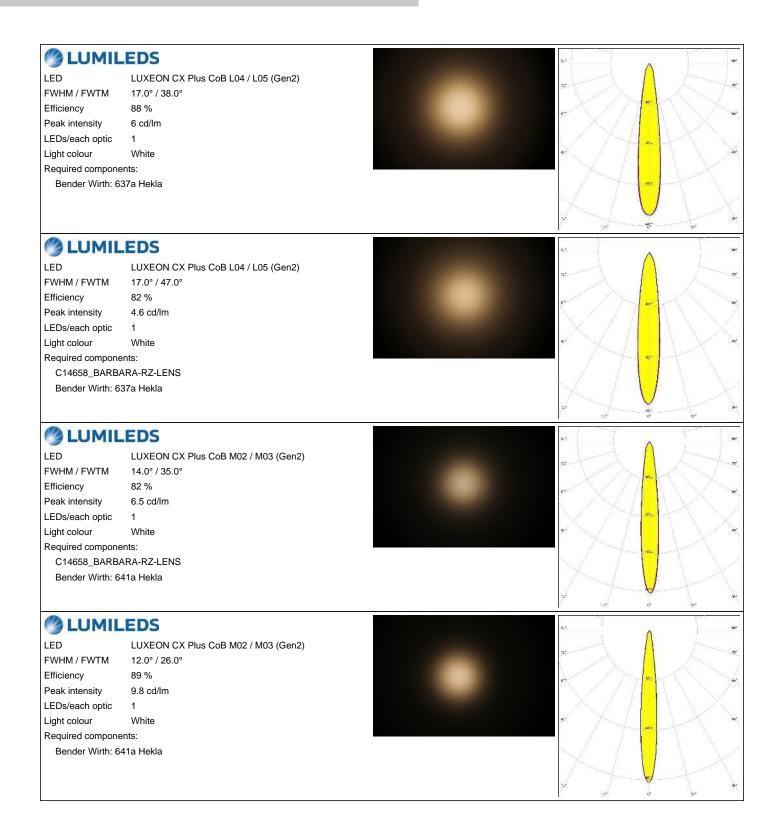




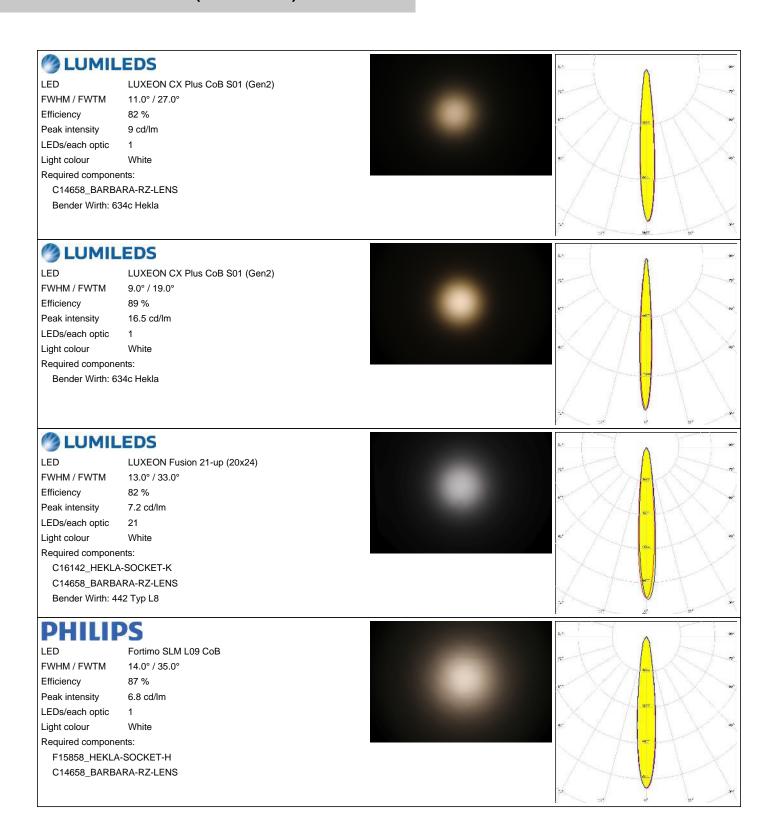














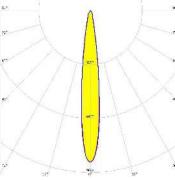
PHILIPS

LED Fortimo SLM L09 CoB

FWHM / FWTM 14.0° / 28.0°
Efficiency 91 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15858_HEKLA-SOCKET-H





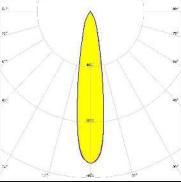
PHILIPS

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 White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 432 Typ L8





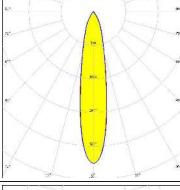
PHILIPS

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 White
Required components:

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





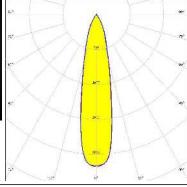
PHILIPS

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 White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 432 Typ L8







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 White
Required components:

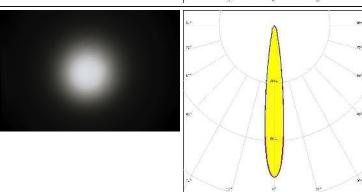
C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 432 Typ L8

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 White
Required components:

F15255_HEKLA-SOCKET-C

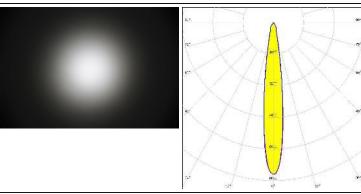


SAMSUNG

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 White
Required components:

F15255_HEKLA-SOCKET-C



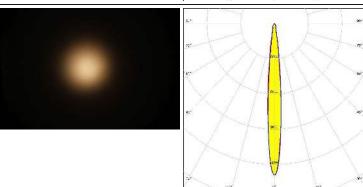
SAMSUNG

LED LC010C G2 FWHM / FWTM 10.0° / 22.0°

Efficiency 90 %
Peak intensity 13.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





SAMSUNG

LED LC020T (Tunable white)

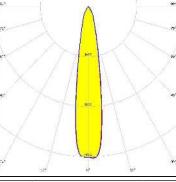
FWHM / FWTM 19.0° / 44.0° Efficiency 87 % Peak intensity 4.9 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8





SAMSUNG

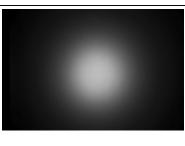
LED LC020T (Tunable white)

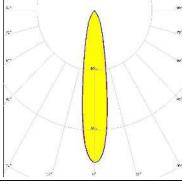
FWHM / FWTM 19.0° / 50.0°
Efficiency 82 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1

Light colour Tunable White

Required components:

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





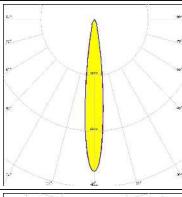
TRIDONIC

LED SLE G7 LES09 FWHM / FWTM 14.0° / 29.0°

Efficiency 92 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour White

Required components: F15255_HEKLA-SOCKET-C





TRIDONIC

LED SLE G7 LES09 FWHM / FWTM 14.0° / 35.0°

Efficiency 88 %

Peak intensity 6.7 cd/lm

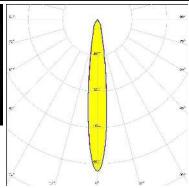
LEDs/each optic 1

Light colour White

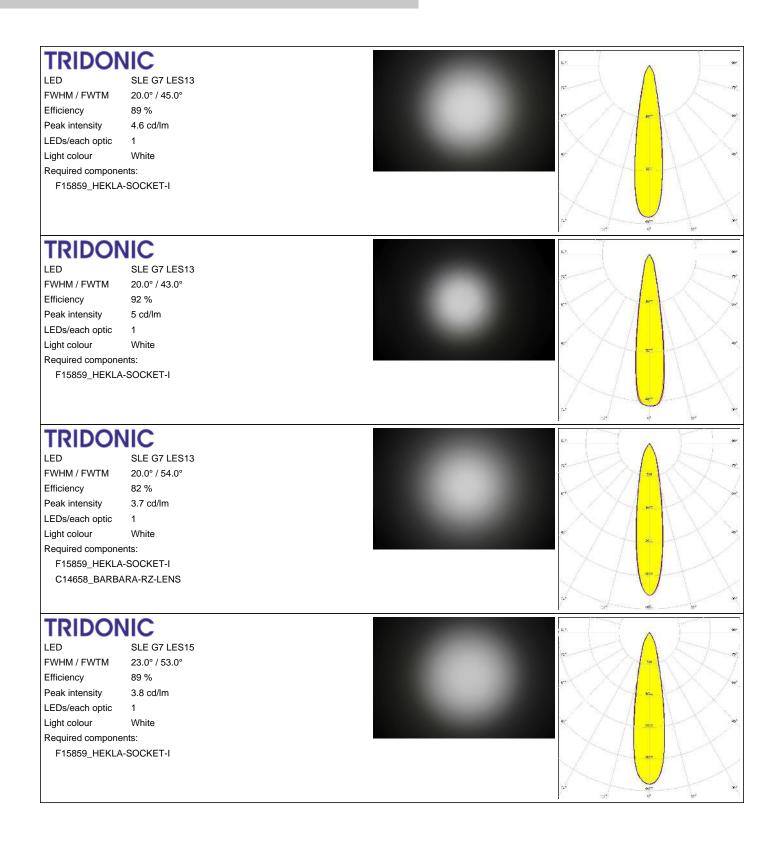
Required components:

F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS

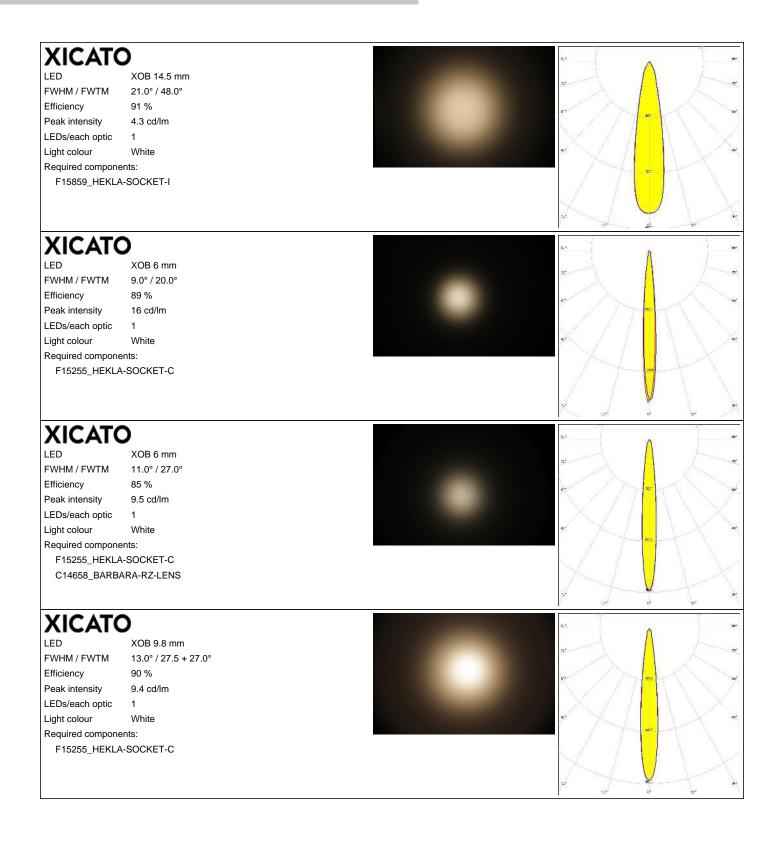














XICATO LED XOB 9.8 mm FWHM / FWTM 14.0° / 35.5 + 34.5° Efficiency 86 % Peak intensity 6.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS



OPTICAL RESULTS (SIMULATED):

bridgelux

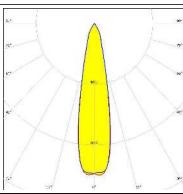
LED V13 Gen 8 FWHM / FWTM 22.0° / 50.0°

Efficiency 88 %

Peak intensity 4 cd/lm LEDs/each optic

Light colour White Required components:

F17438_HEKLA-G2-I



bridgelux.

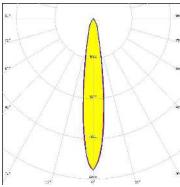
Vesta DTW 15mm (33W) LED

FWHM / FWTM 16.0° / 38.0° Efficiency 86 % Peak intensity 6.1 cd/lm

LEDs/each optic 1 White Light colour

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8

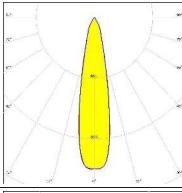


CREE + LED

LED CMA1840 FWHM / FWTM 22.0° / 50.0°

Efficiency 87 % Peak intensity 4 cd/lm LEDs/each optic

Light colour White Required components: Bender Wirth: 637a Hekla

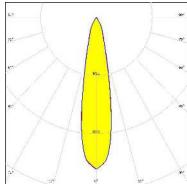


CREE & LED

CMU15xx FWHM / FWTM 22.0° / 49.0°

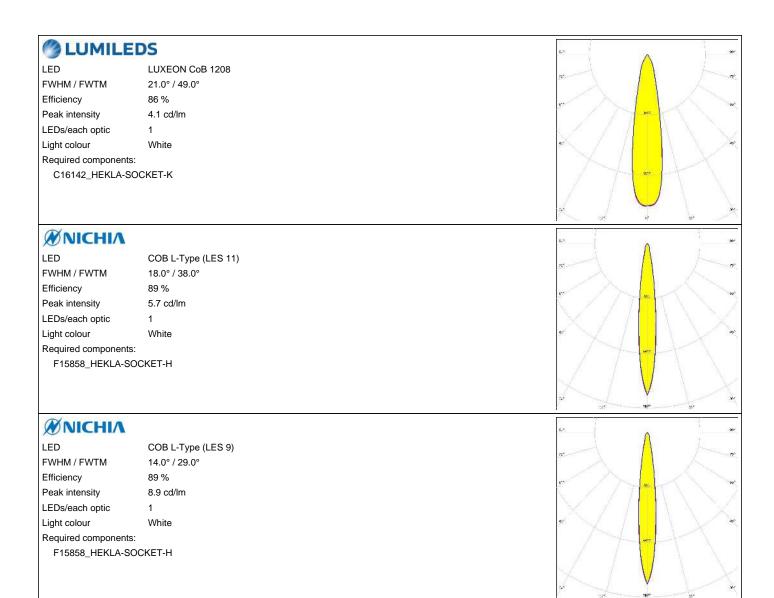
Efficiency 88 % Peak intensity 4.2 cd/lm LEDs/each optic White Light colour

Required components: F17438_HEKLA-G2-I





OPTICAL RESULTS (SIMULATED):





PRODUCT DATASHEET F16363_BARBARA-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.

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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