

BARBARA-G2-M

~25° wide beam compatible with LEDiL HEKLA

SPECIFICATION:

Ø 70.0 mm **Dimensions** Height 41.9 mm socket Fastening **ROHS** compliant yes 🕕



MATERIALS:

Component **Type** Material BARBARA-G2-M Reflector PC

Colour **Finish** Coating metal

ORDERING INFORMATION:

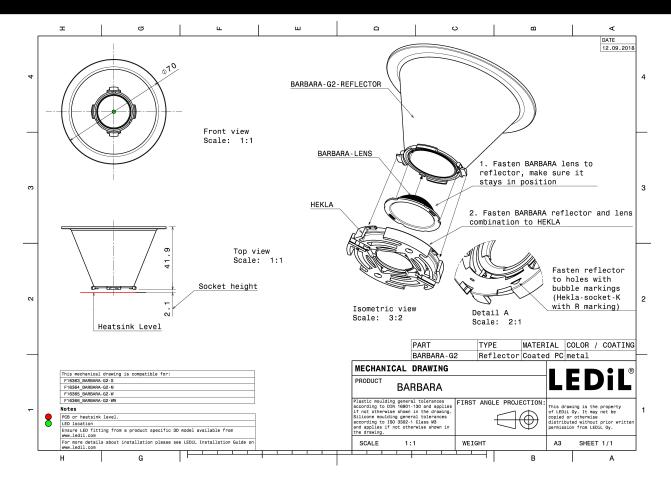
Component

F16364_BARBARA-G2-M » Box size: 480 x 280 x 300 mm Qty in box MOQ MPQ Box weight (kg) 252 90 18 4.5

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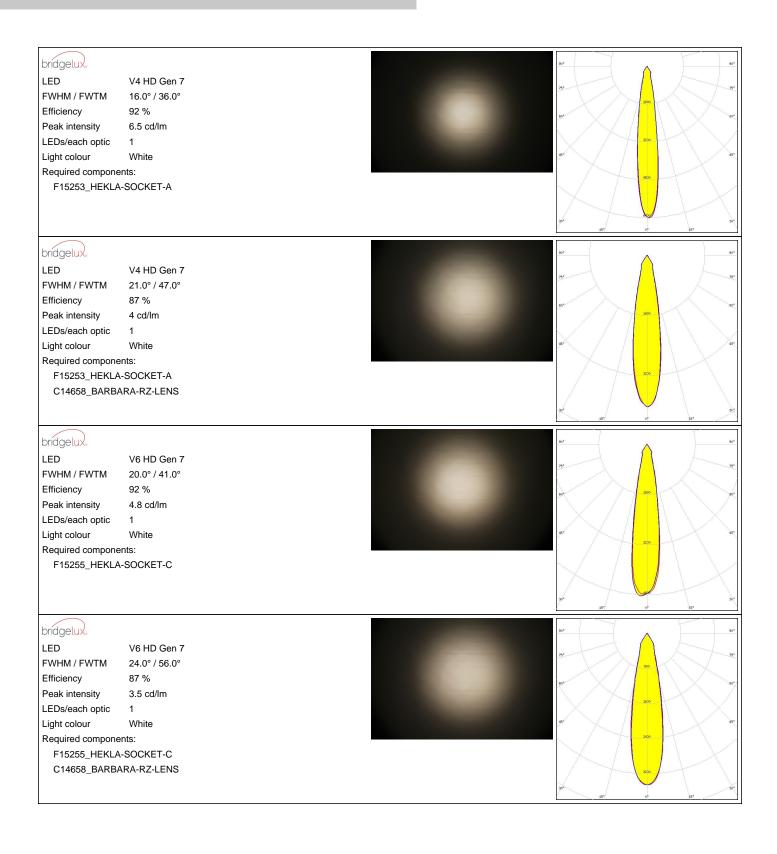
PRODUCT DATASHEET F16364_BARBARA-G2-M



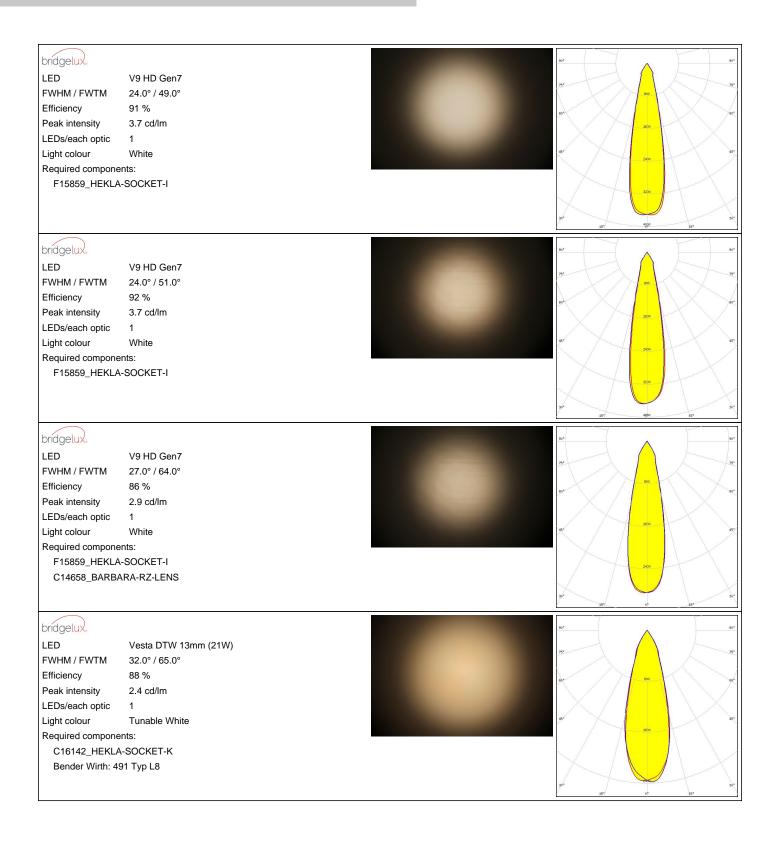
See also our general installation guide: www.ledil.com/installation_guide

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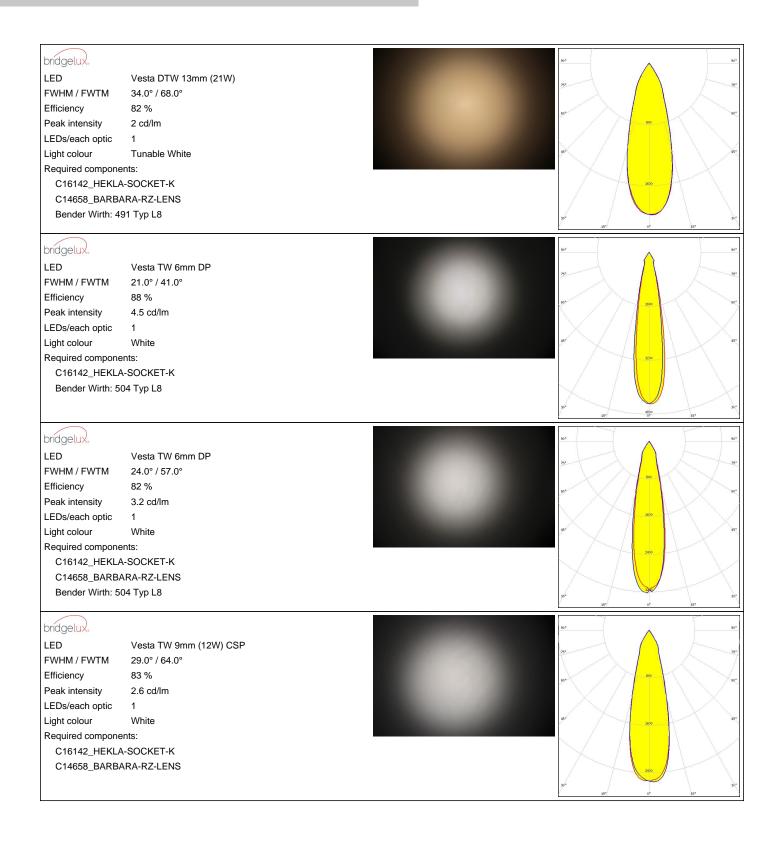






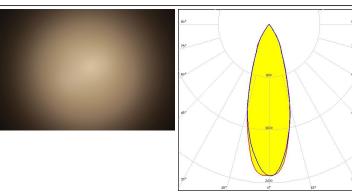








CITIZEN LED CLC030 Series (Dim-To-Warm) FWHM / FWTM 33.0° / 66.0° Efficiency 87 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:



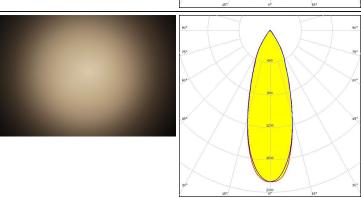
CITIZEN

LED CLC030 Series (Dim-To-Warm)

FWHM / FWTM 34.0° / 68.0°
Efficiency 80 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 436 Typ L8

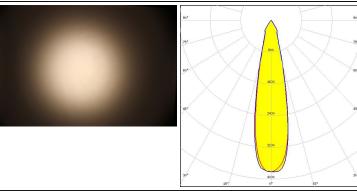
C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 436 Typ L8



CITIZEN

LED CLL02x/CLU02x (LES10)

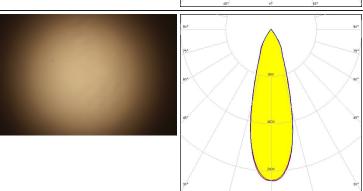
FWHM / FWTM 24.0° / 49.0°
Efficiency 92 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 31.0° / 65.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1

Light colour White
Required components:
F15859_HEKLA-SOCKET-I



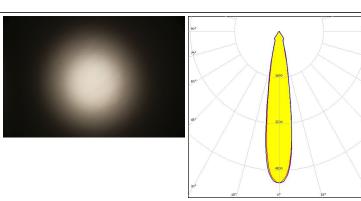


CITIZEN

CLU700/701/702/703

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 19.0° / 39.0° Efficiency 92 % Peak intensity 5.2 cd/lm LEDs/each optic Light colour White Required components:

F15255_HEKLA-SOCKET-C



CITIZEN

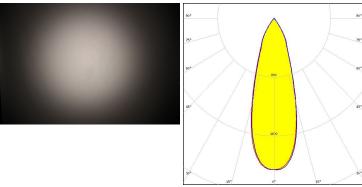
LED LCN-C02B (Tunable White)

FWHM / FWTM 33.0° / 67.0° Efficiency 82 % Peak intensity 2.1 cd/lm LEDs/each optic 1

Tunable White Light colour

Required components:

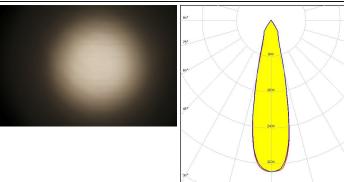
C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 481 Typ L8



CREE \$

LED CMT14xx $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 26.0° / 57.0° Efficiency 92 % Peak intensity 3.4 cd/lm LEDs/each optic Light colour White Required components:

F15255_HEKLA-SOCKET-C

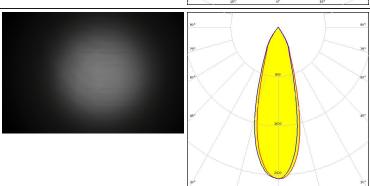


<u>CR</u>EE \$

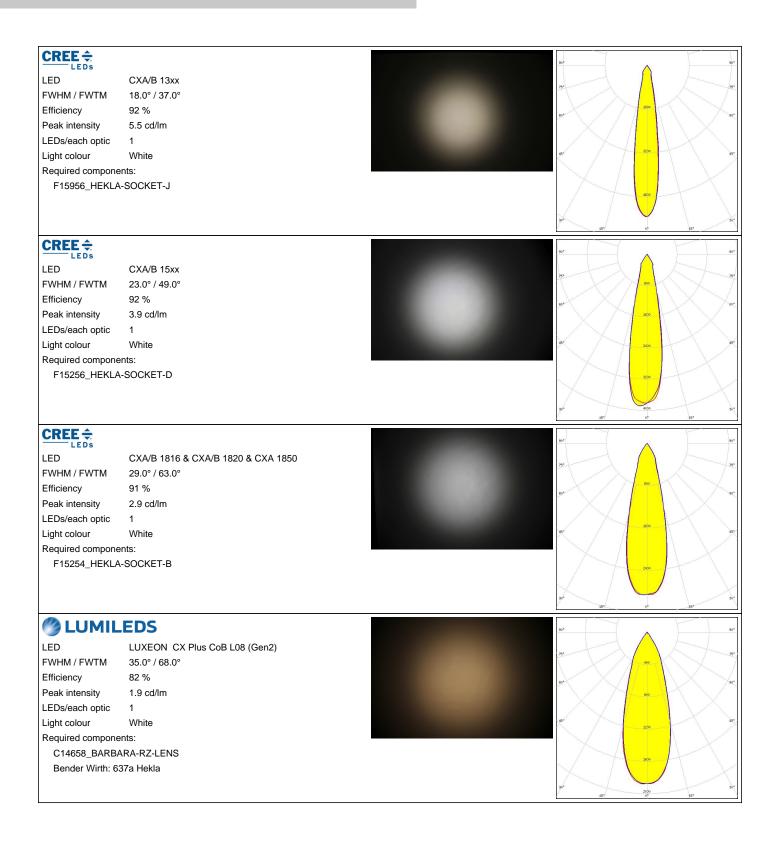
CMT19xx FWHM / FWTM 32.0° / 66.0° Efficiency 92 % Peak intensity 2.5 cd/lm LEDs/each optic White Light colour

F15859_HEKLA-SOCKET-I

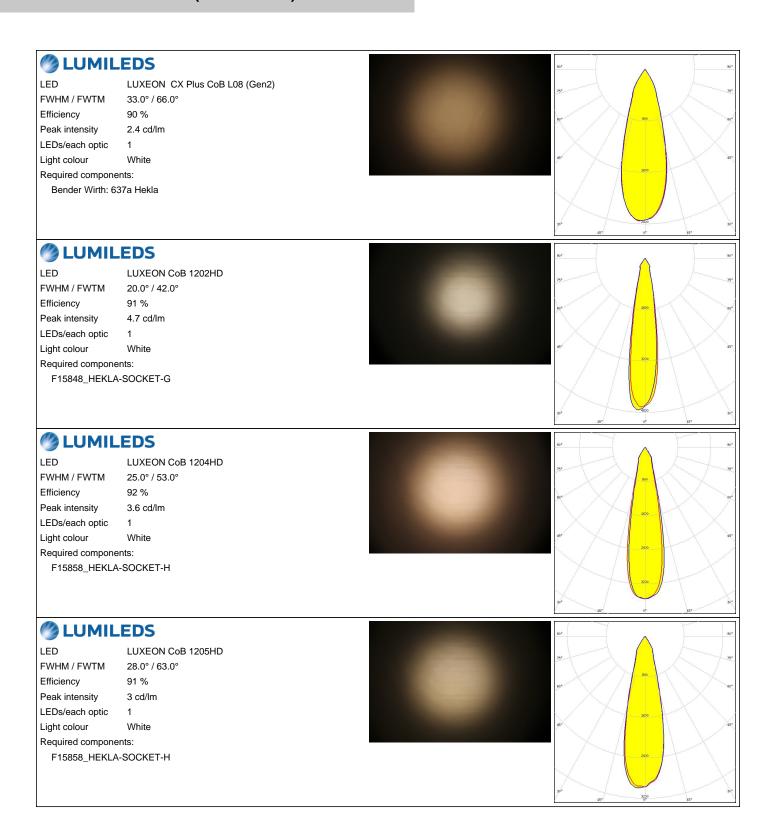
Required components:



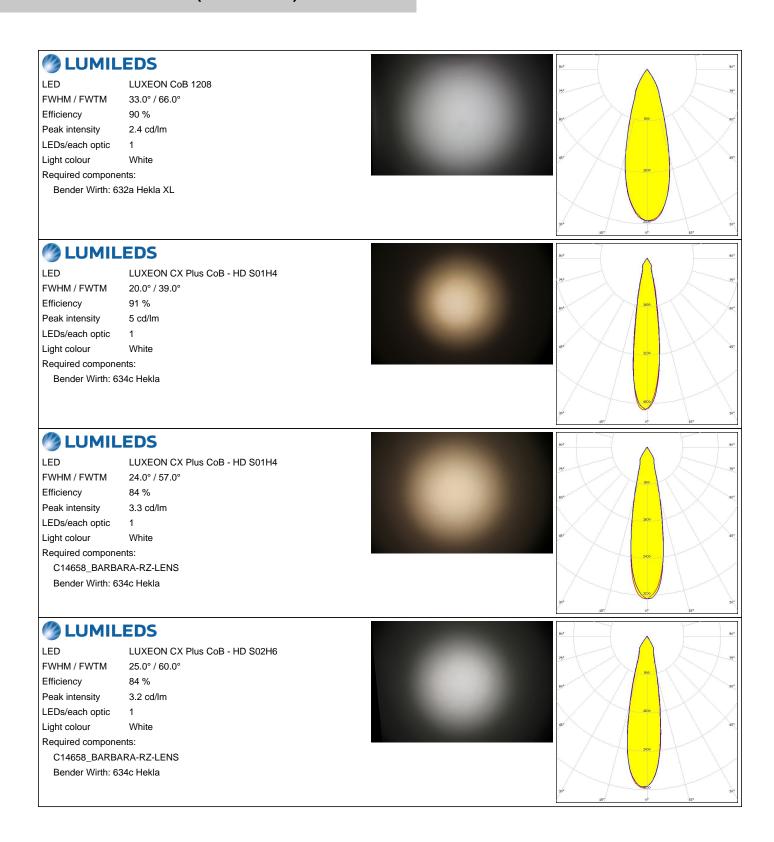




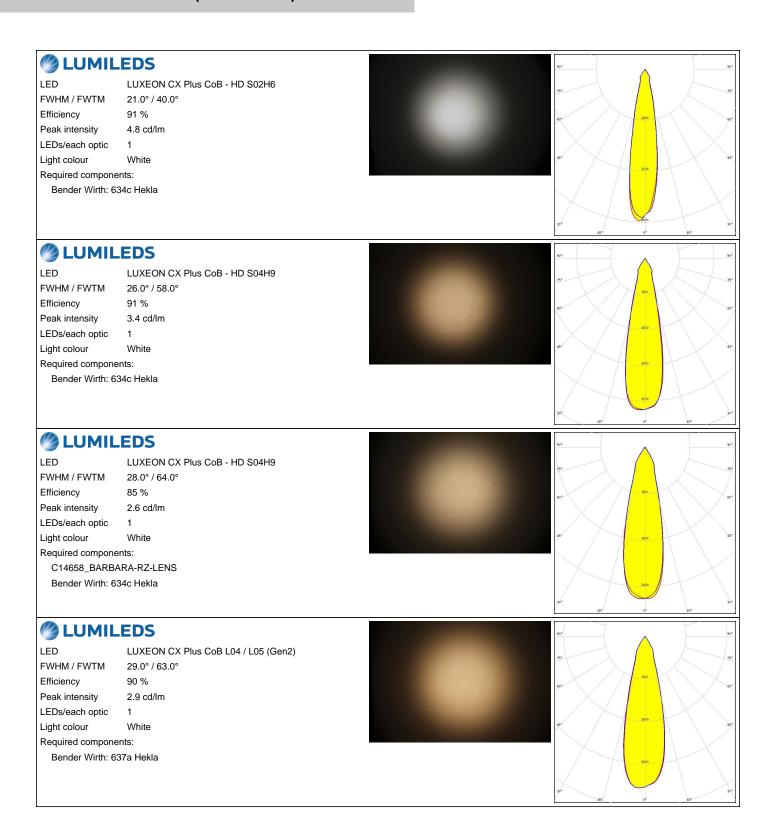




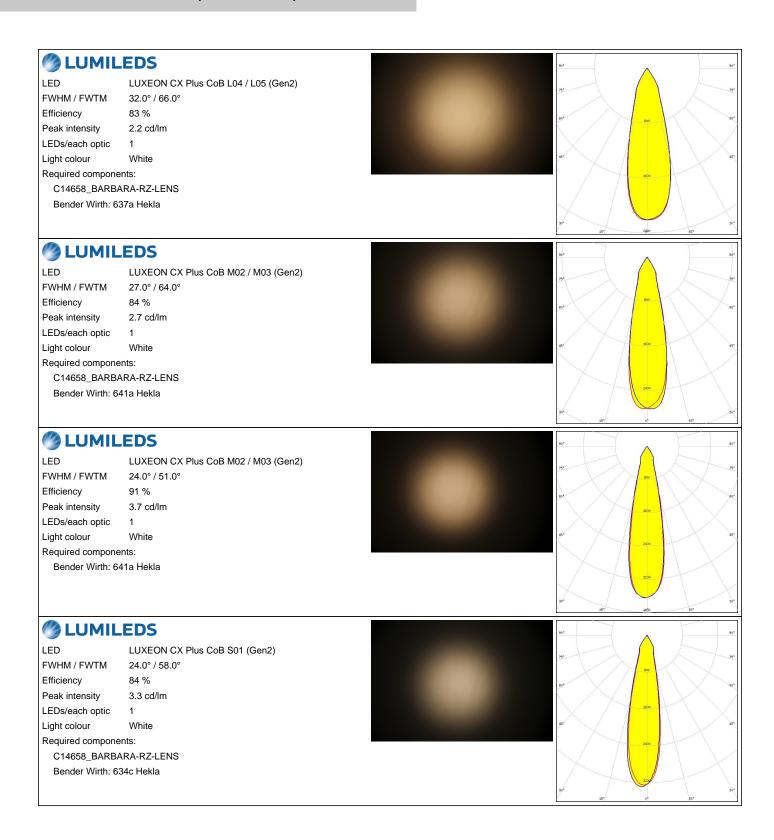




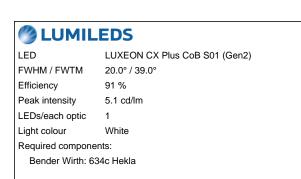


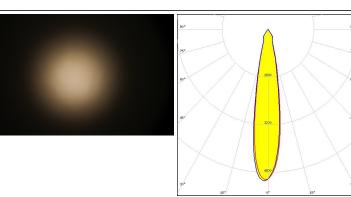










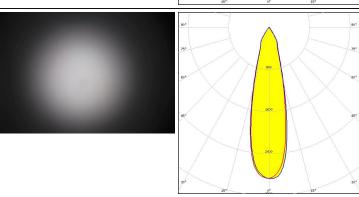


LUMILEDS

LED LUXEON Fusion 21-up (20x24)

FWHM / FWTM 27.0° / 63.0° Efficiency 84 % Peak intensity 2.9 cd/lm LEDs/each optic 1 White Light colour Required components:

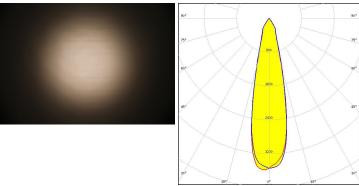
C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 442 Typ L8



LED Fortimo SLM L09 CoB

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 25.0° / 53.0° Efficiency 92 % Peak intensity 3.6 cd/lm LEDs/each optic Light colour White Required components:

F15858_HEKLA-SOCKET-H

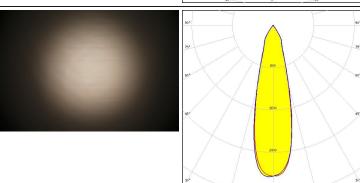


PHILIPS

Fortimo SLM L09 CoB

FWHM / FWTM 27.0° / 64.0° Efficiency 88 % Peak intensity 2.9 cd/lm LEDs/each optic White Light colour Required components:

F15858_HEKLA-SOCKET-H C14658_BARBARA-RZ-LENS



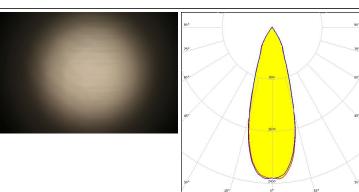


PHILIPS

LED Fortimo SLM L13 CoB

FWHM / FWTM 33.0° / 65.0°
Efficiency 89 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White

C16142_HEKLA-SOCKET-K Bender Wirth: 432 Typ L8



PHILIPS

Required components:

LED Fortimo SLM L13 CoB

FWHM / FWTM 34.0° / 67.0°

Efficiency 83 %

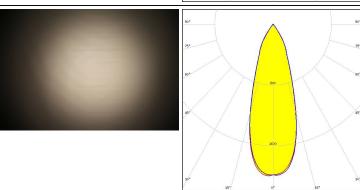
Peak intensity 2 cd/lm

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 35.0° / 67.0°

Efficiency 88 %

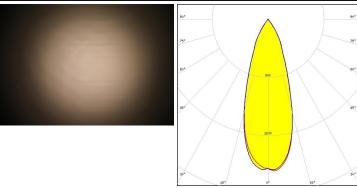
Peak intensity 2.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 432 Typ L8



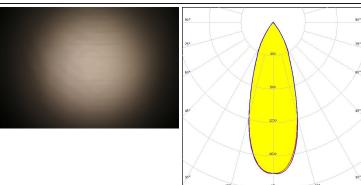
PHILIPS

Required components:

LED Fortimo SLM L15 CoB

FWHM / FWTM 36.0° / 69.0°
Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White

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



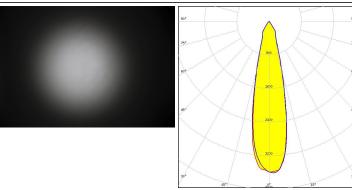


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 25.0° / 52.0°
Efficiency 92 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

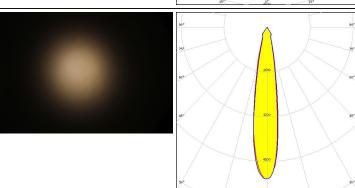
F15255_HEKLA-SOCKET-C



SAMSUNG

LED LC010C G2
FWHM / FWTM 18.0° / 38.0°
Efficiency 92 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour White

Required components: F15255_HEKLA-SOCKET-C



SAMSUNG

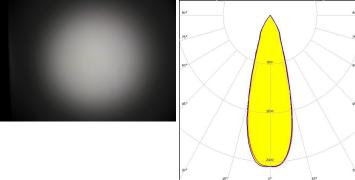
LED LC020T (Tunable white)

FWHM / FWTM 31.0° / 64.0°
Efficiency 88 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8



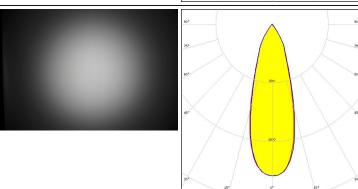
SAMSUNG

LED LC020T (Tunable white)

FWHM / FWTM 33.0° / 67.0° Efficiency 83 % Peak intensity 2.1 cd/lm LEDs/each optic 1

Light colour Tunable White

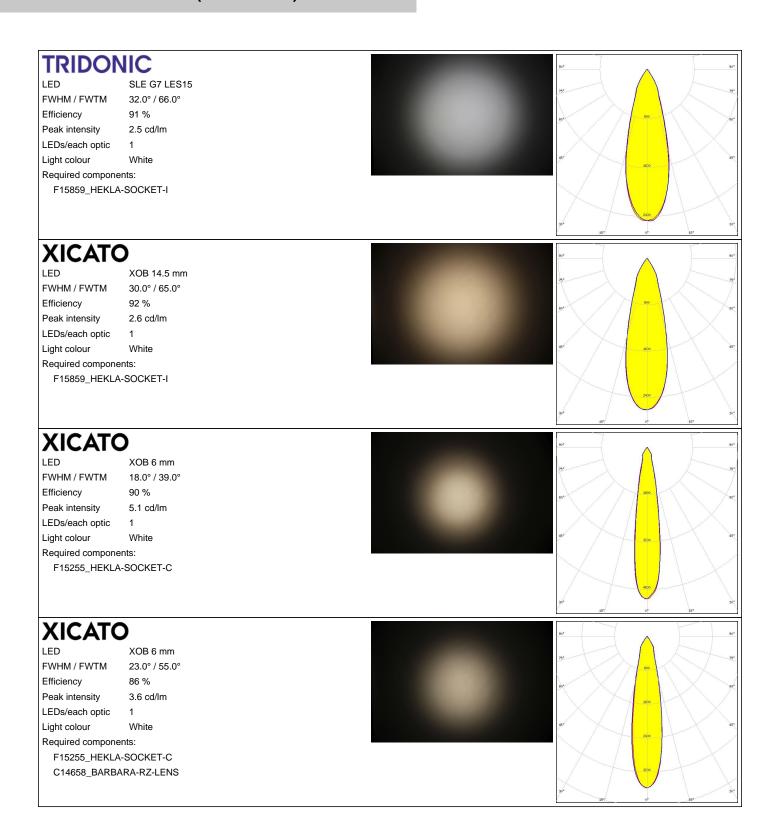
Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 501 Typ L8





TRIDONIC SLE G7 LES09 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 24.0° / 50.0° Efficiency 94 % Peak intensity 3.9 cd/lm LEDs/each optic Light colour White Required components: F15255_HEKLA-SOCKET-C **TRIDONIC** LED SLE G7 LES09 FWHM / FWTM 26.0° / 63.0° Efficiency 90 % Peak intensity 3.1 cd/lm LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS TRIDONIC LED SLE G7 LES13 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 32.0° / 67.0° Efficiency 84 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour White Required components: F15859_HEKLA-SOCKET-I C14658_BARBARA-RZ-LENS **TRIDONIC** SLE G7 LES13 FWHM / FWTM 30.0° / 64.0° Efficiency 91 % Peak intensity 2.7 cd/lm LEDs/each optic White Light colour Required components: F15859_HEKLA-SOCKET-I







XICATO LED XOB 9.8 mm FWHM / FWTM 24.0° / 50.5 + 51.0° Efficiency 92 % Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (SIMULATED):

bridgelux

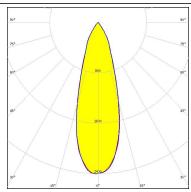
LED V13 Gen 8

FWHM / FWTM 32.0° / 66.0° Efficiency 89 %

Peak intensity 2.5 cd/lm LEDs/each optic 1

Light colour White

Required components: F17438_HEKLA-G2-I



bridgelux

LED VERO10 FWHM / FWTM 24.0° / 53.0°

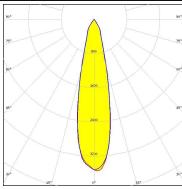
Efficiency 89 %

Peak intensity 3.6 cd/lm LEDs/each optic 1

Light colour White

Required components:

F15616_HEKLA-SOCKET-F



bridgelux

LED VERO13 FWHM/FWTM 31.0°/63

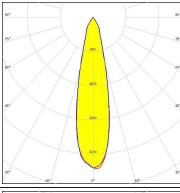
FWHM / FWTM 31.0° / 63.0° Efficiency 83 %

Peak intensity 2.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:

C16142_HEKLA-SOCKET-K



bridgelux.

LED Vesta DTW 15mm (33W)

FWHM / FWTM 30.0° / 64.0°

Efficiency 87 %

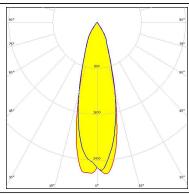
Peak intensity 2.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8





OPTICAL RESULTS (SIMULATED):

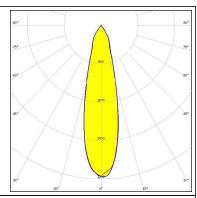


LED COB L-Type (LES 11)

FWHM / FWTM 26.0° / 61.0°
Efficiency 90 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15858_HEKLA-SOCKET-H



WNICHIA

LED COB L-Type (LES 9)

FWHM / FWTM 22.0° / 51.0°

Efficiency 90 %

Peak intensity 4 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F15858_HEKLA-SOCKET-H



PRODUCT DATASHEET F16364_BARBARA-G2-M

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

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405, Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support

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