

### **BARBARA-G2-S**

~12° spot 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-S Reflector PC

Colour **Finish** Coating metal

### **ORDERING INFORMATION:**

Component

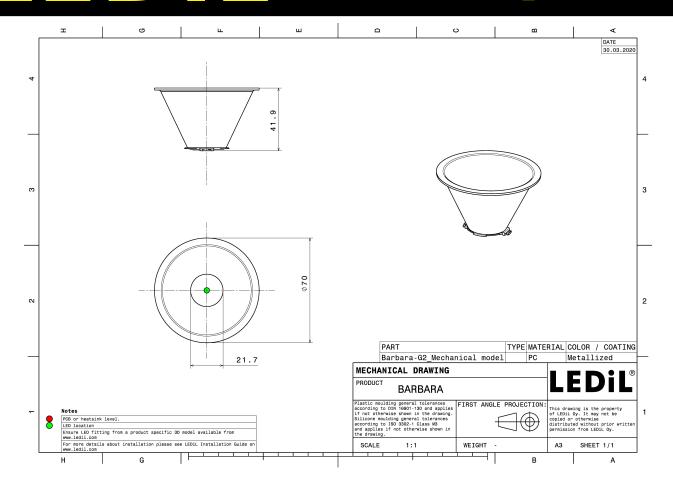
F16363\_BARBARA-G2-S

» Box size: 480 x 280 x 300 mm

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

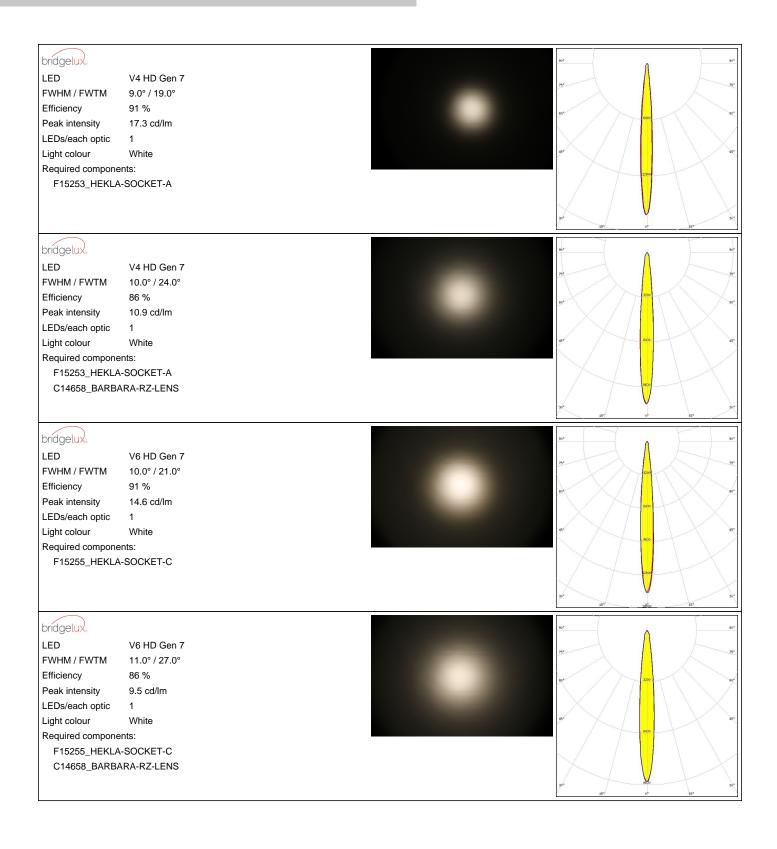
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# **PRODUCT** F16363\_BARBARA-G2-S

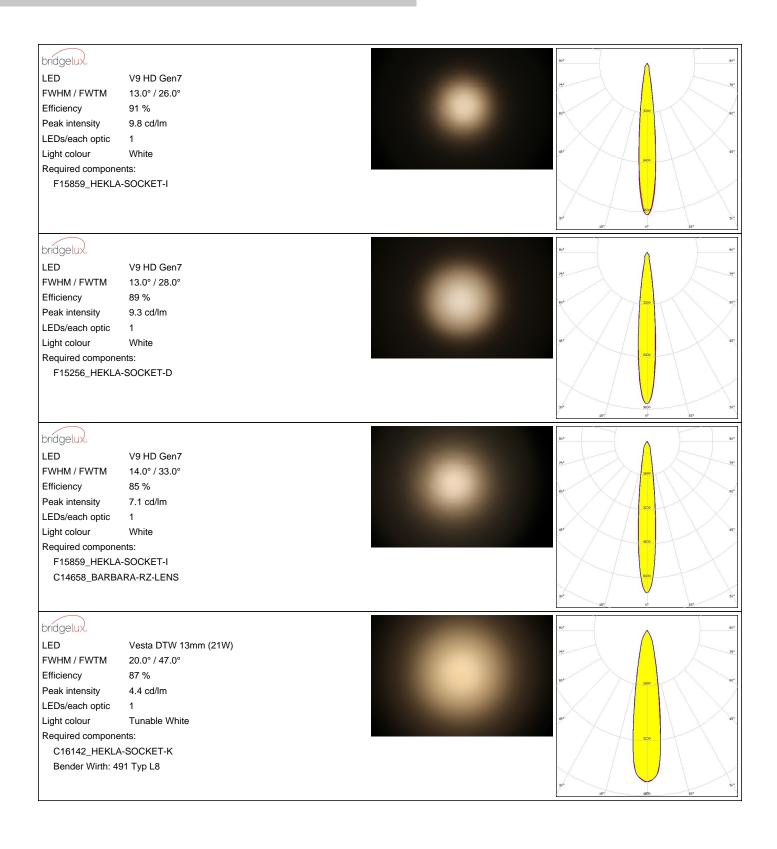


See also our general installation guide: www.ledil.com/installation\_guide

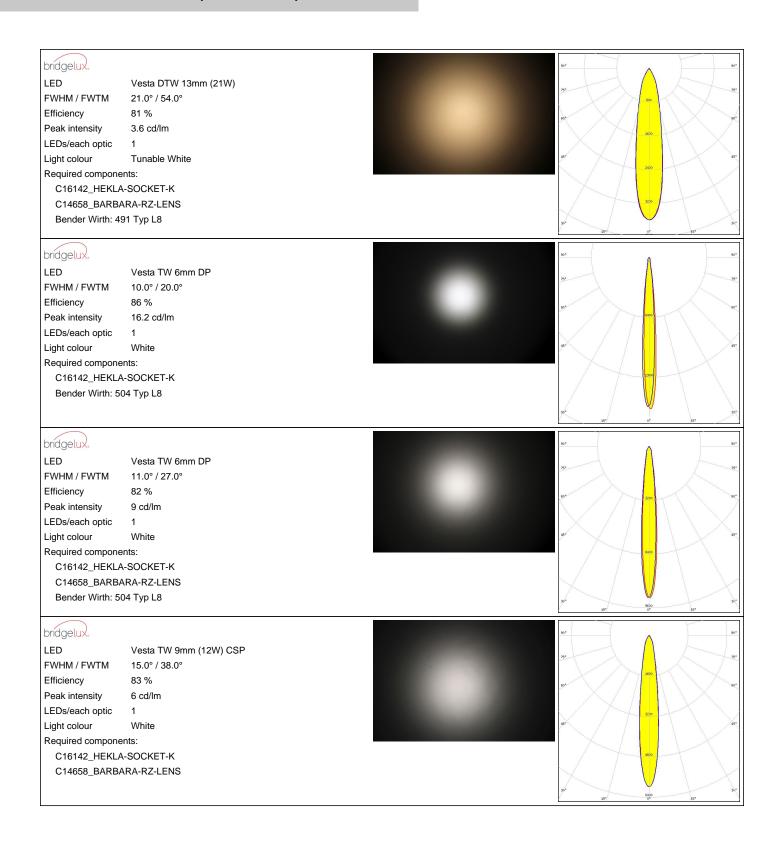












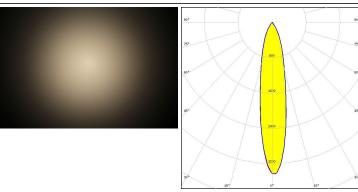


# **CITIZEN**

CLC030 Series (Dim-To-Warm)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 21.0° / 55.0° Efficiency 81 % Peak intensity 3.5 cd/lm LEDs/each optic Light colour White Required components:

C16142\_HEKLA-SOCKET-K C14658\_BARBARA-RZ-LENS Bender Wirth: 436 Typ L8

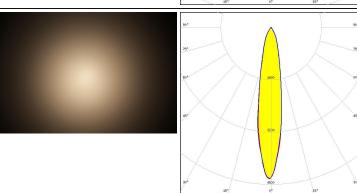


### **CITIZEN**

LED CLC030 Series (Dim-To-Warm)

FWHM / FWTM 18.0° / 47.0° Efficiency 86 % Peak intensity 4.6 cd/lm LEDs/each optic 1 White Light colour Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 436 Typ L8

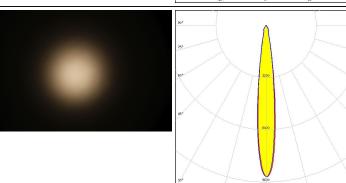


# **CITIZEN**

LED CLL02x/CLU02x (LES10)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 13.0° / 28.0° Efficiency 91 % Peak intensity 9.3 cd/lm LEDs/each optic Light colour White Required components:

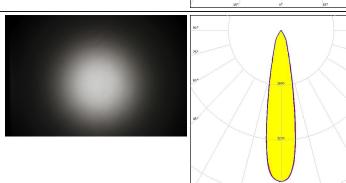
F15255\_HEKLA-SOCKET-C



# **CITIZEN**

CLL03x/CLU03x FWHM / FWTM 21.0° / 48.0° Efficiency 91 % Peak intensity 4.4 cd/lm

LEDs/each optic White Light colour Required components: F15859\_HEKLA-SOCKET-I





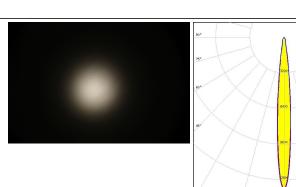
# **CITIZEN**

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)

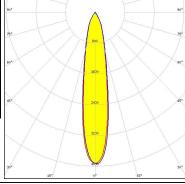
FWHM / FWTM 19.0° / 50.0°
Efficiency 81 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1

Light colour Tunable White

Required components:

C16142\_HEKLA-SOCKET-K C14658\_BARBARA-RZ-LENS Bender Wirth: 481 Typ L8



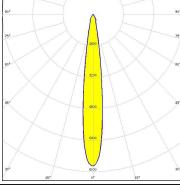


### CREE - LED

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





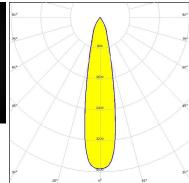
### CREE - LED

LED CMT19xx

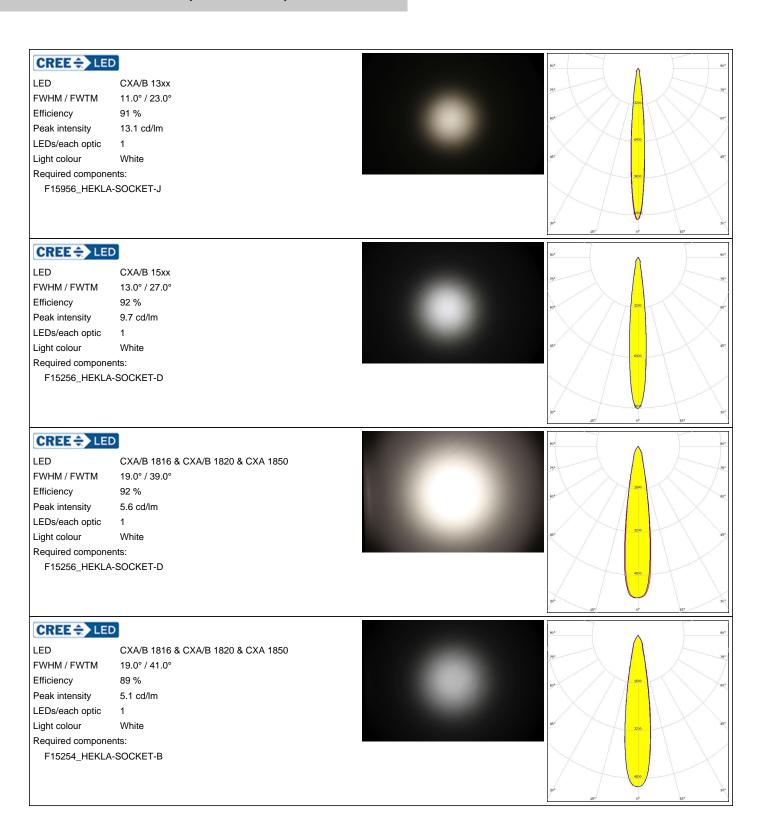
FWHM / FWTM 22.0° / 52.0°
Efficiency 90 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859\_HEKLA-SOCKET-I

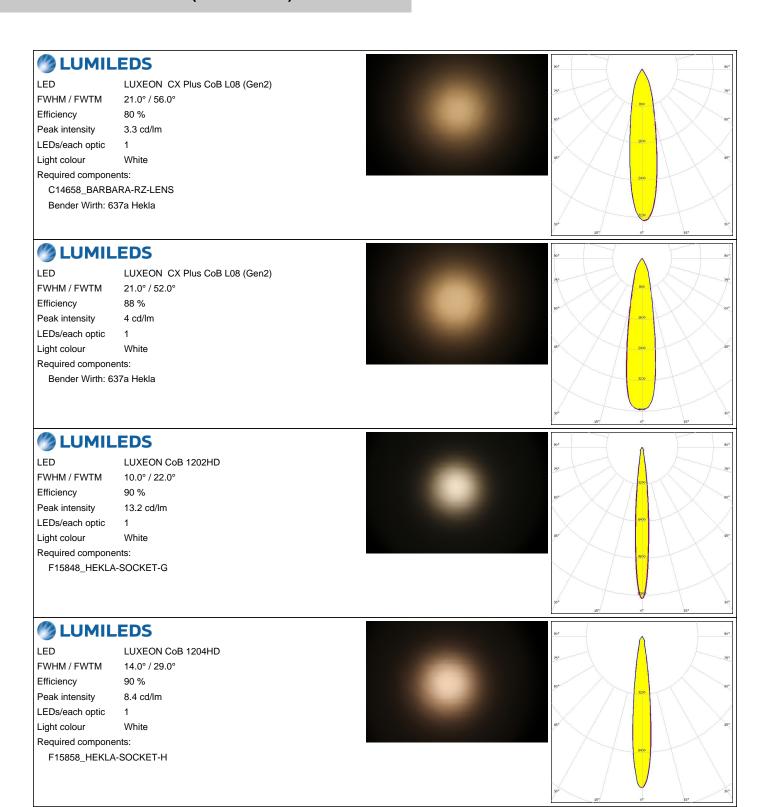




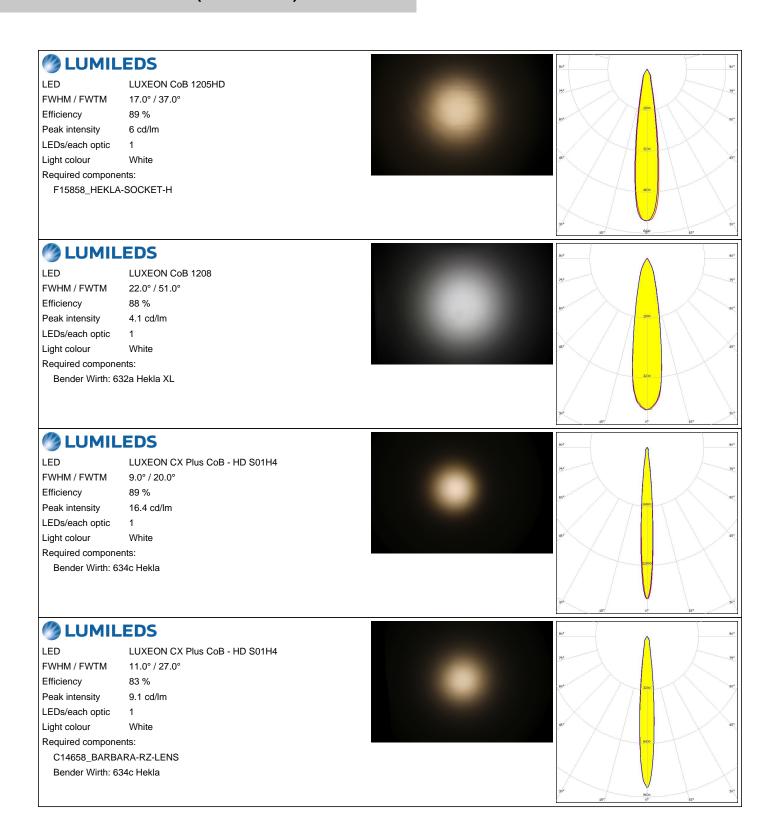




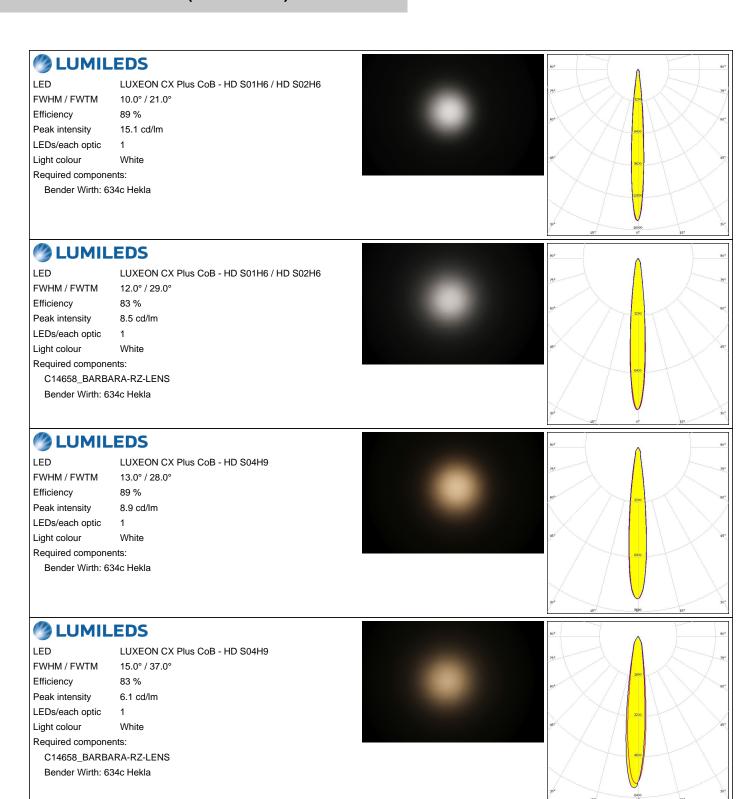




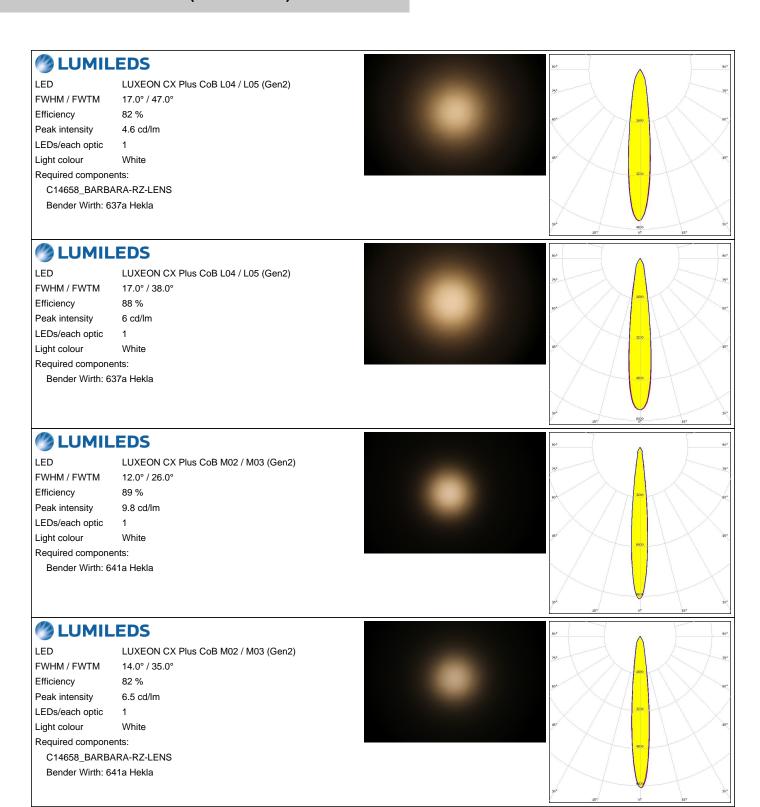




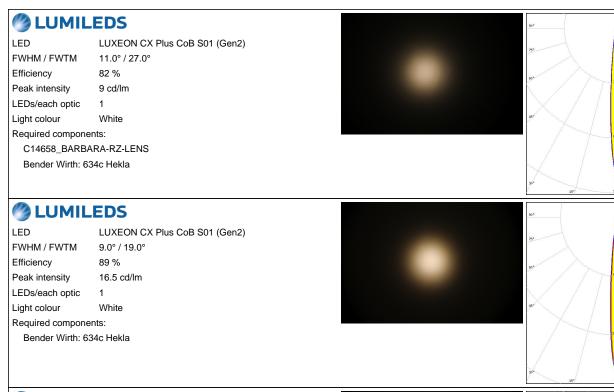










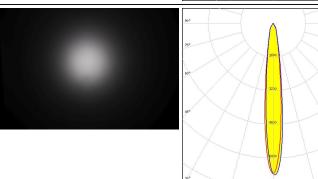


## LUMILEDS

LED LUXEON Fusion 21-up (20x24)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 13.0° / 33.0° Efficiency 82 % Peak intensity 7.2 cd/lm LEDs/each optic 21 Light colour White Required components:

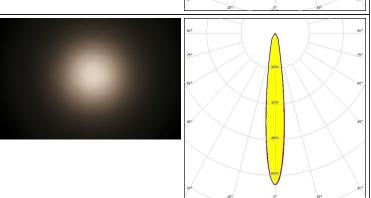
C16142\_HEKLA-SOCKET-K C14658\_BARBARA-RZ-LENS Bender Wirth: 442 Typ L8



LED Fortimo SLM L09 CoB

FWHM / FWTM 14.0° / 35.0° Efficiency 87 % Peak intensity 6.8 cd/lm LEDs/each optic White Light colour Required components:

F15858\_HEKLA-SOCKET-H C14658\_BARBARA-RZ-LENS



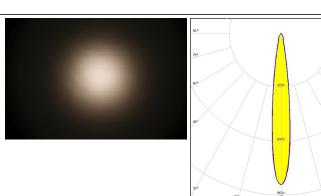


### **PHILIPS**

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 %

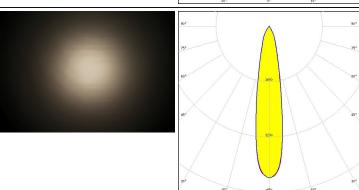
Peak intensity 4.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 432 Typ L8

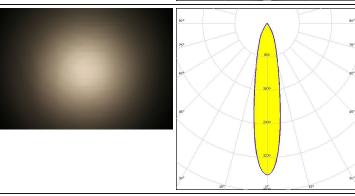


### PHILIPS

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

C16142\_HEKLA-SOCKET-K C14658\_BARBARA-RZ-LENS Bender Wirth: 432 Typ L8



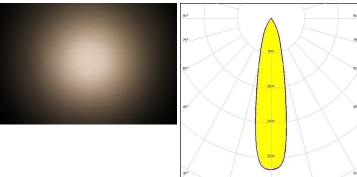
## PHILIPS

Required components:

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



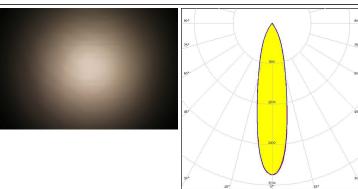


### **PHILIPS**

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

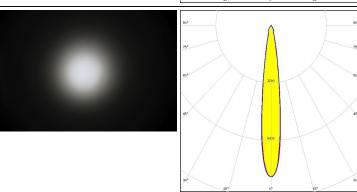


# SAMSUNG

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



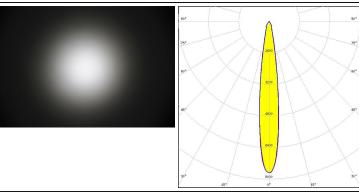
# SAMSUNG

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

F15255\_HEKLA-SOCKET-C

Required components:



# **SAMSUNG**

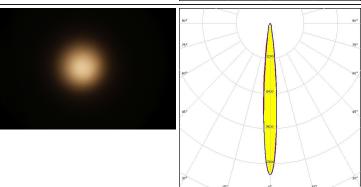
LED LC010C G2 FWHM / FWTM 10.0° / 22.0° Efficiency 90 %

13.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

Peak intensity

F15255\_HEKLA-SOCKET-C





# **SAMSUNG**

LED LC020T (Tunable white)

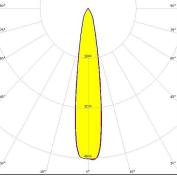
FWHM / FWTM 19.0° / 44.0° Efficiency 87 % Peak intensity 4.9 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8





# **SAMSUNG**

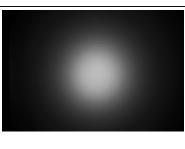
LED LC020T (Tunable white)

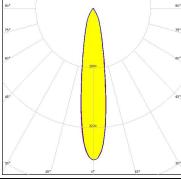
FWHM / FWTM 19.0° / 50.0°
Efficiency 82 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1

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°

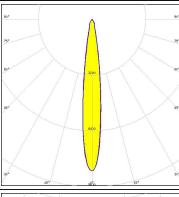
 Efficiency
 92 %

 Peak intensity
 8.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C





# **TRIDONIC**

 LED
 SLE G7 LES09

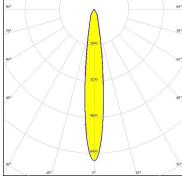
 FWHM / FWTM
 14.0° / 35.0°

 Efficiency
 88 %

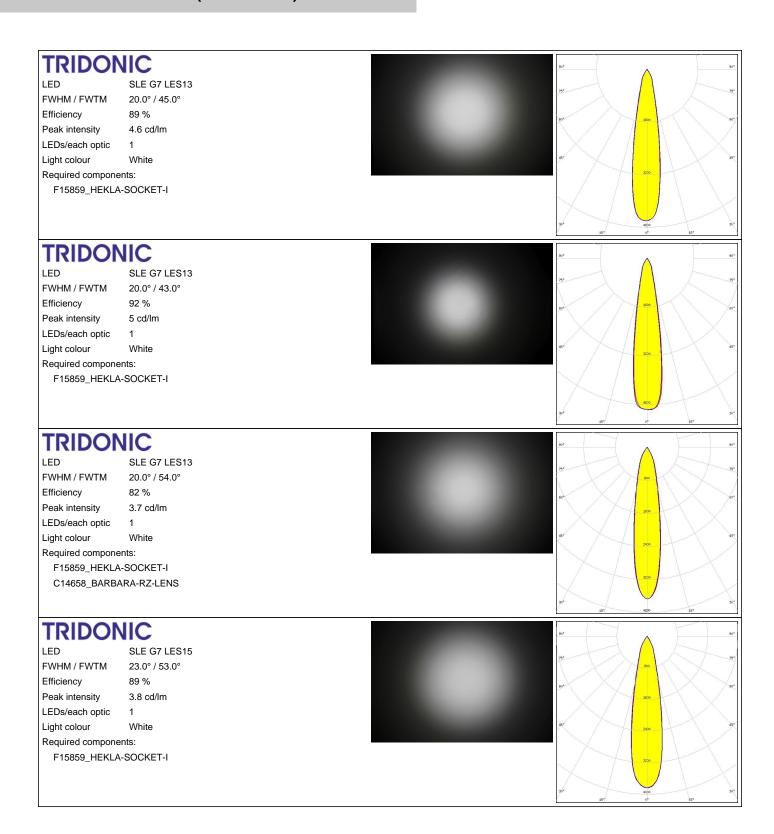
Peak intensity 6.7 cd/lm LEDs/each optic 1 Light colour White Required components:

F15255\_HEKLA-SOCKET-C C14658\_BARBARA-RZ-LENS

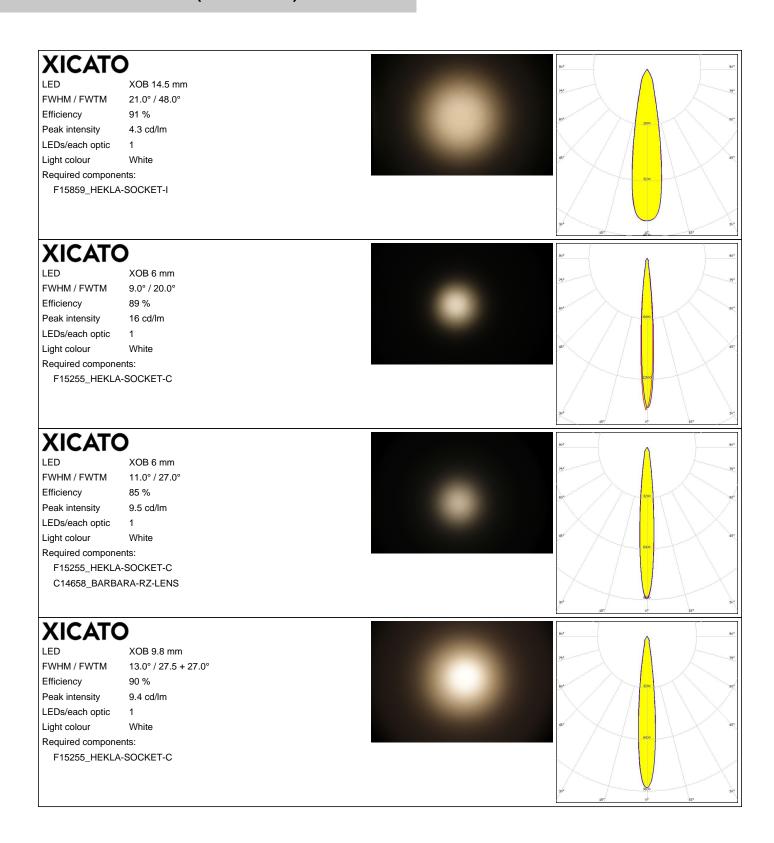














# LED XOB 9.8 mm FWHM / FWTM 14.0° / 35.5 + 34.5° Efficiency 86 % Peak intensity 6.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255\_HEKLA-SOCKET-C C14658\_BARBARA-RZ-LENS



### **OPTICAL RESULTS (SIMULATED):**

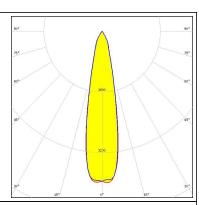
bridgelux

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

Efficiency 88 %
Peak intensity 4 cd/lm
LEDs/each optic 1

Light colour White Required components:

F17438\_HEKLA-G2-I



bridgelux

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 White

C16142\_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8

Required components:

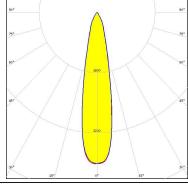


LED LUXEON CoB 1208

FWHM / FWTM 21.0° / 49.0° Efficiency 86 % Peak intensity 4.1 cd/lm LEDs/each optic 1

Light colour White Required components:

C16142\_HEKLA-SOCKET-K



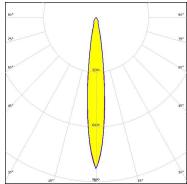
### **WNICHIA**

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 White

F15858\_HEKLA-SOCKET-H

Required components:





### **OPTICAL RESULTS (SIMULATED):**



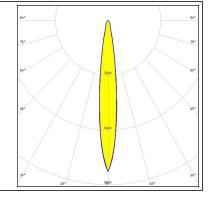
LED COB L-Type (LES 9)

White

FWHM / FWTM 14.0° / 29.0° Efficiency 89 % Peak intensity 8.9 cd/lm LEDs/each optic 1

Light colour
Required components:

F15858\_HEKLA-SOCKET-H





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

# Local sales and technical support

www.ledil.com/ where\_to\_buy

### **Shipping locations**

Salo, Finland Hong Kong, China

### **Distribution Partners**

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