

### WINNIE-O-C

~60° + 20° oval beam with holder C compatible with LEDiL HEKLA

#### SPECIFICATION:

Dimensions Ø 50.0 mm
Height 19.5 mm
Fastening socket
ROHS compliant yes ①



#### **MATERIALS:**

ComponentTypeMaterialColourFinishC14760\_WINNIE-OSingle lensPMMAclearC15821\_WINNIE-HLD-CHolderPCblack

### **ORDERING INFORMATION:**

#### **Quantities for one set:**

Single lens 1 Holder 1

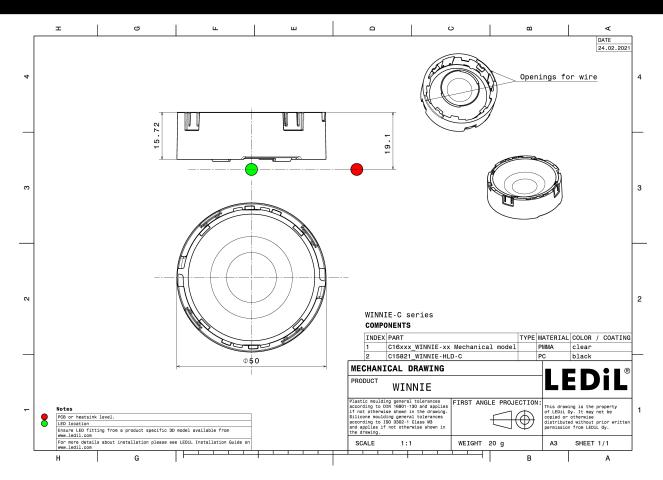


## PRODUCT DATASHEET WINNIE-O-C

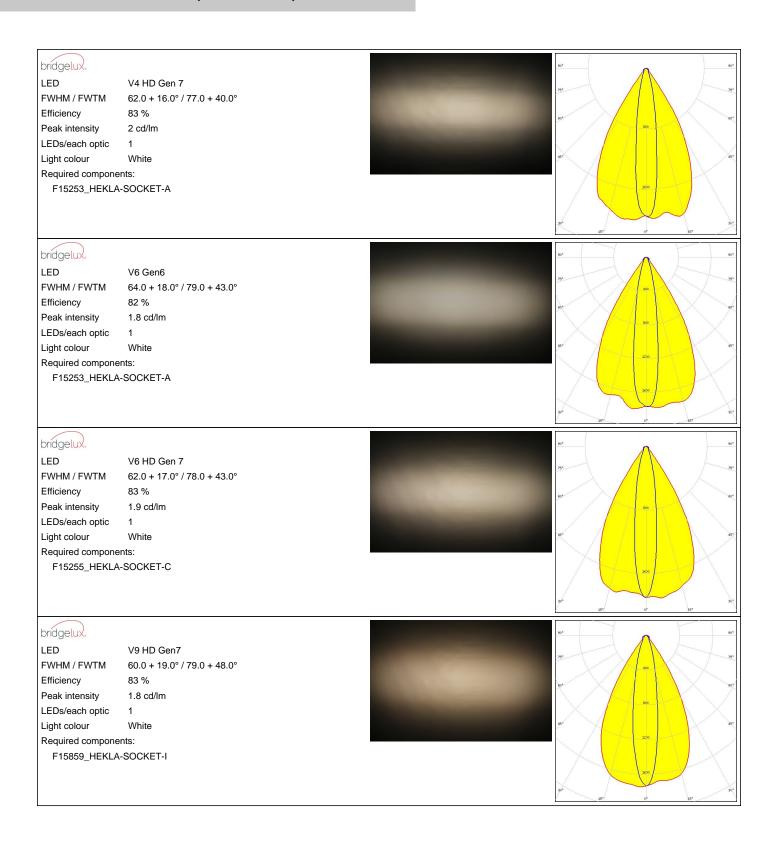
Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14760_WINNIE-O  » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	7.0
C15821_WINNIE-HLD-C  » Box size: 400 x 300 x 300 mm	Holder	420		28	4.1



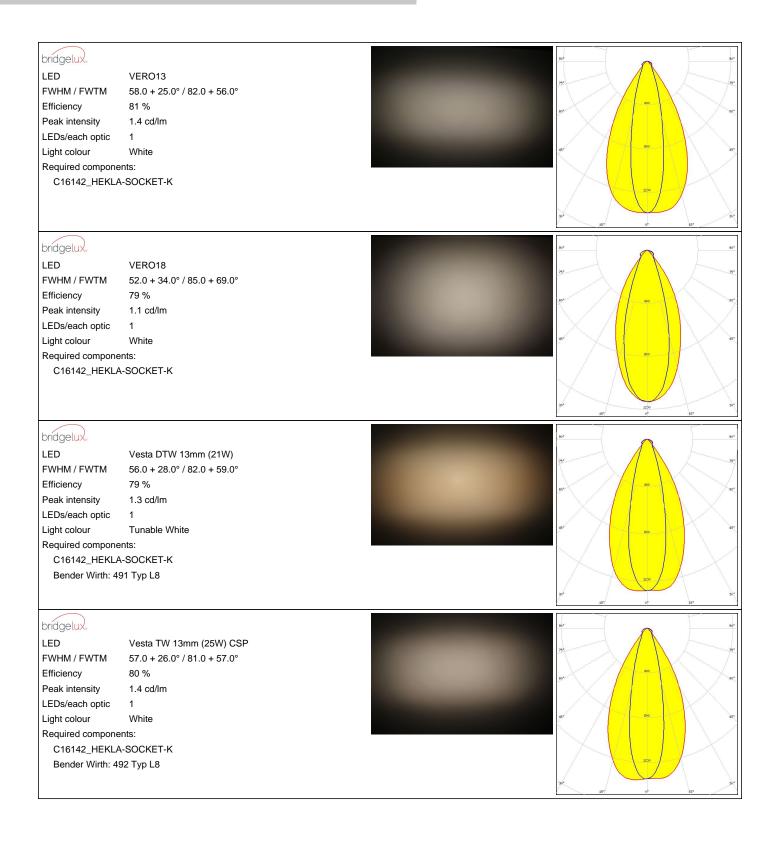
# **PRODUCT** WINNIE-O-C

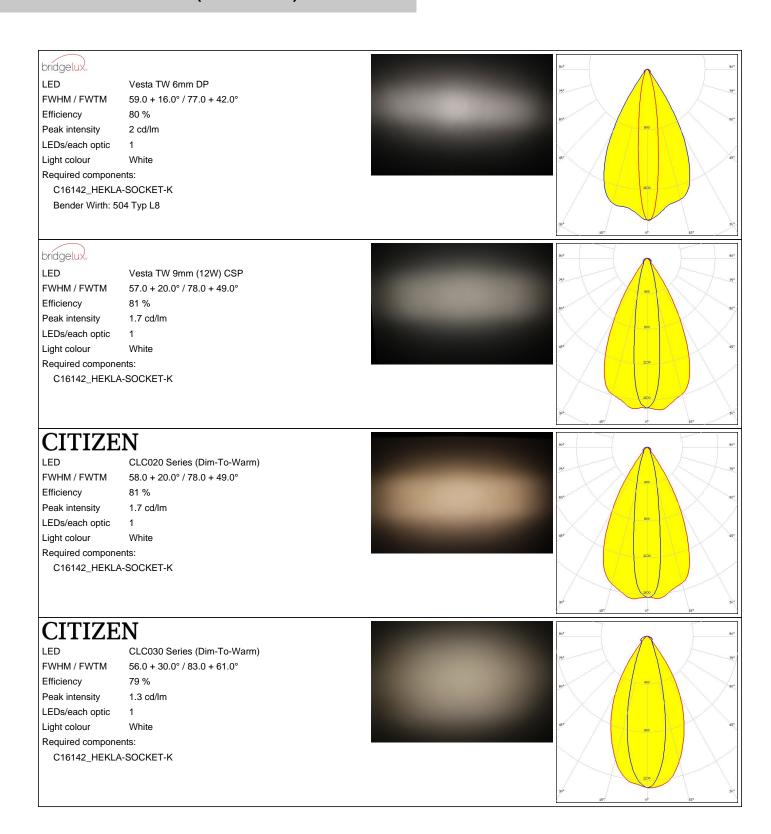


See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>









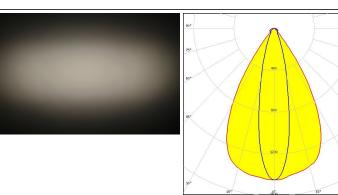


## **CITIZEN**

LED CLL02x/CLU02x (LES10) FWHM / FWTM 63.0 + 23.0° / 81.0 + 52.0°

Efficiency 80 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C

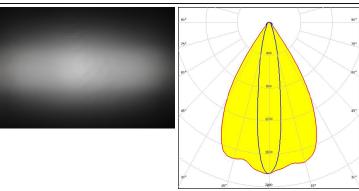


## **CITIZEN**

LED CLU700/701/702/703 FWHM / FWTM 63.0 + 18.0° / 79.0 + 43.0°

Efficiency 82 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C

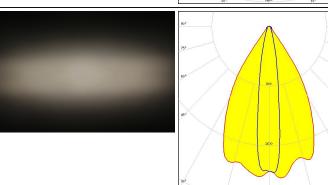


## **CITIZEN**

LED CLU7A2/7A3

FWHM / FWTM 62.0 + 17.0° / 78.0 + 37.0°

Efficiency 83 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255\_HEKLA-SOCKET-C



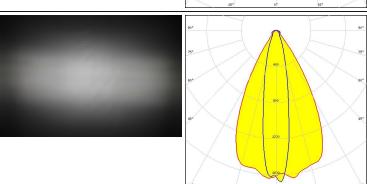
## **CITIZEN**

LED LCN-C01B (Tunable White) FWHM / FWTM 58.0 + 20.0° / 77.0 + 50.0°

Efficiency 81 %

Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 481 Typ L8



### CREE - LED

LED CMT14xx

FWHM / FWTM 61.0 + 22.0° / 81.0 + 52.0°

Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255\_HEKLA-SOCKET-C

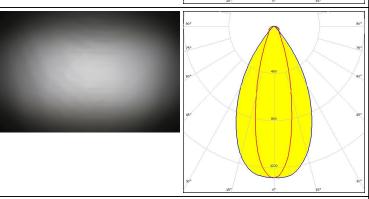
### CREE \$ LED

LED CMT19xx

FWHM / FWTM 57.0 + 28.5° / 84.0 + 61.0°

Efficiency 81 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859\_HEKLA-SOCKET-I

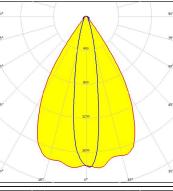


#### CREE - LED

LED CXA/B 13xx

FWHM / FWTM 64.0 + 19.0° / 79.0 + 43.0°

Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15956\_HEKLA-SOCKET-J



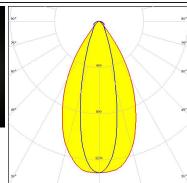
## **DESCRIPTION** LUMILEDS

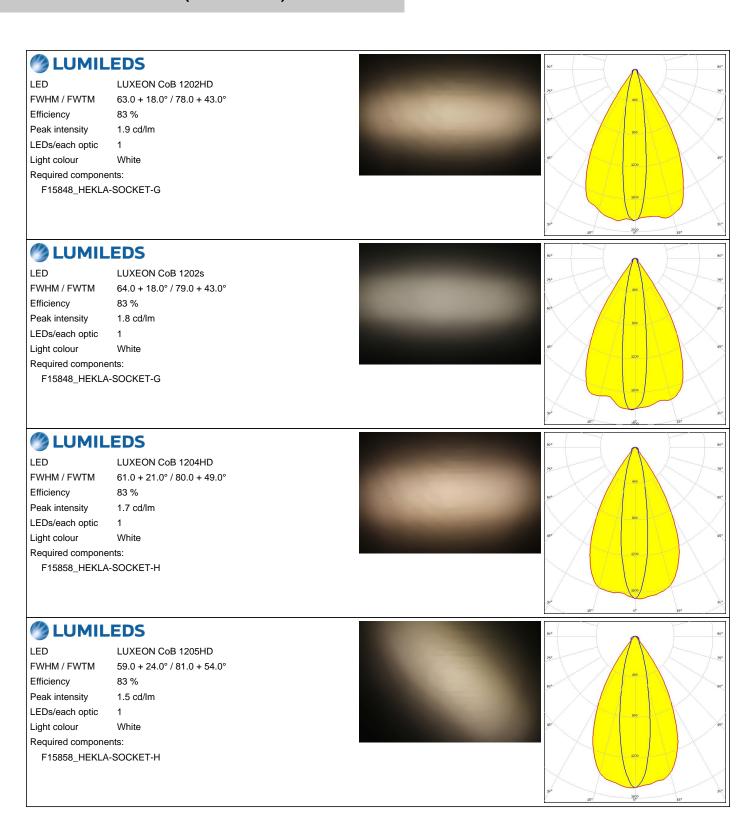
LED LUXEON CX Plus CoB L08 (Gen2)

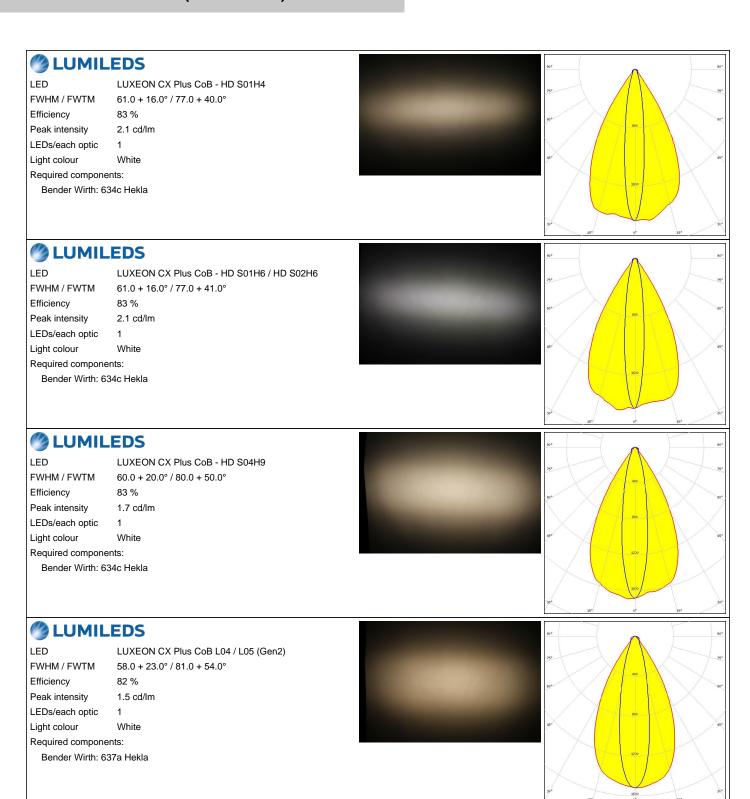
FWHM / FWTM 56.0 + 28.0° / 83.0 + 61.0°

Efficiency 82 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 637a Hekla







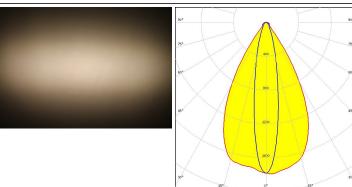




LED LUXEON CX Plus CoB M02 / M03 (Gen2)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$  $58.0 + 19.0^{\circ} / 78.0 + 48.0^{\circ}$ 

Efficiency 83 % Peak intensity 1.8 cd/lm LEDs/each optic Light colour White Required components: Bender Wirth: 641a Hekla



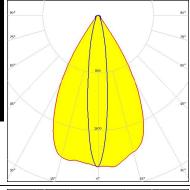
### LUMILEDS

LED LUXEON CX Plus CoB S01 (Gen2)

FWHM / FWTM 60.0 + 16.0° / 77.0 + 40.0°

Efficiency 83 % Peak intensity 2.1 cd/lm LEDs/each optic 1 White Light colour Required components: Bender Wirth: 634c Hekla





## LUMILEDS

LED LUXEON Fusion 12-up (20x24)

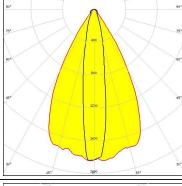
FWHM / FWTM  $59.0 + 17.0^{\circ} / 77.0 + 45.0^{\circ}$ 

Efficiency 82 % Peak intensity 1.9 cd/lm LEDs/each optic

Light colour Tunable White

Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 442 Typ L8



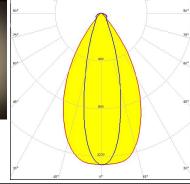
## **ELUMINUS**

CxM-14 (19x19)

FWHM / FWTM 58.0 + 29.0° / 84.0 + 60.0°

Efficiency 81 % Peak intensity 1.3 cd/lm LEDs/each optic White Light colour Required components: F15859\_HEKLA-SOCKET-I







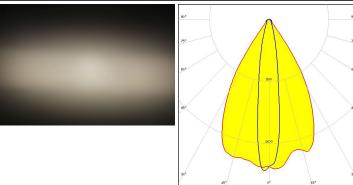


LED CXM-4

FWHM / FWTM 62.0 + 16.0° / 78.0 + 39.0°

Efficiency 82 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C

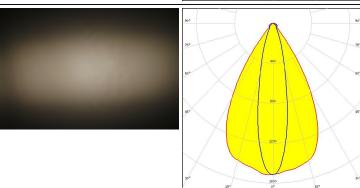


### **ELUMINUS**

LED CxM-9 (13.5x13.5) FWHM / FWTM 62.0 + 23.0° / 81.0 + 52.0°

Efficiency 82 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C

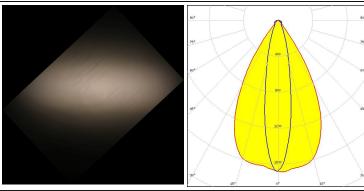


## **PHILIPS**

LED Fortimo SLM L09 CoB FWHM / FWTM 60.0 + 20.0° / 80.0 + 50.0°

Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15858\_HEKLA-SOCKET-H



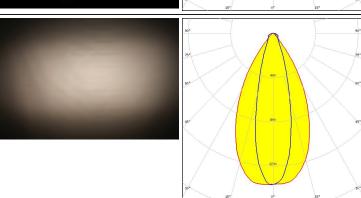
## **PHILIPS**

LED Fortimo SLM L13 CoB

FWHM / FWTM 27.0 + 55.0° / 58.0 + 81.0°

Efficiency 81 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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



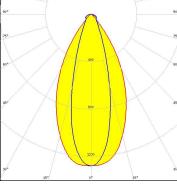
### **PHILIPS**

LED Fortimo SLM L15 CoB FWHM / FWTM 54.0 + 30.0° / 83.0 + 63.0°

Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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





## SAMSUNG

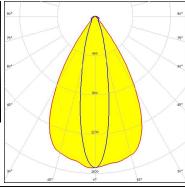
LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 62.0 + 22.0° / 81.0 + 51.0°

Efficiency 82 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C





## **SAMSUNG**

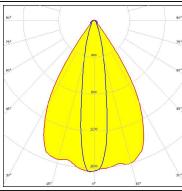
LED LC010C

FWHM / FWTM 65.0 + 20.0° / 80.0 + 46.0°

Efficiency 81 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15848\_HEKLA-SOCKET-G





## **SAMSUNG**

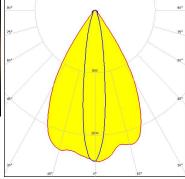
LED LC010C G2

FWHM / FWTM 62.0 + 17.0° / 78.0 + 41.0°

Efficiency 82 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C





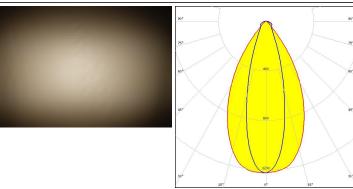


## **SAMSUNG**

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 58.0 + 29.0° / 85.0 + 62.0°

Efficiency 80 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859\_HEKLA-SOCKET-I



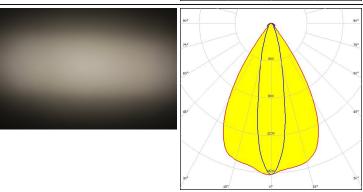
## **SAMSUNG**

LED LC020C

FWHM / FWTM 63.0 + 21.0° / 81.0 + 48.0°

Efficiency 82 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15848\_HEKLA-SOCKET-G

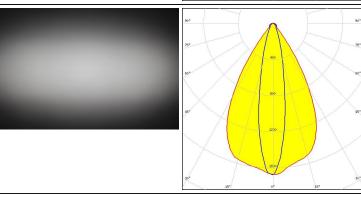


## SAMSUNG

LED LC020C G2

FWHM / FWTM 61.0 + 20.0° / 81.0 + 47.0°

Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859\_HEKLA-SOCKET-I

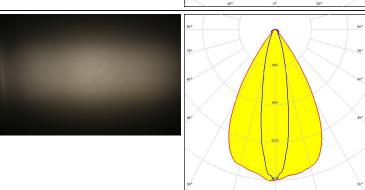


## **TRIDONIC**

LED SLE G7 LES09

FWHM / FWTM 62.0 + 21.0° / 81.0 + 49.0°

Efficiency 82 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255\_HEKLA-SOCKET-C





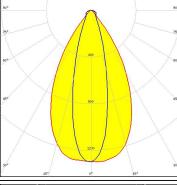
## **TRIDONIC**

SLE G7 LES13

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$  $59.0 + 27.0^{\circ} / 83.0 + 58.0^{\circ}$ 

Efficiency 80 % Peak intensity 1.3 cd/lm LEDs/each optic Light colour White Required components:

F15859\_HEKLA-SOCKET-I



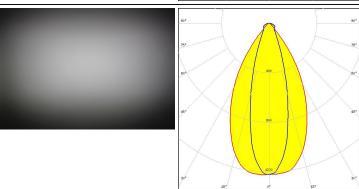
## **TRIDONIC**

LED SLE G7 LES15

FWHM / FWTM 58.0 + 29.0° / 85.0 + 62.0°

Efficiency 80 % Peak intensity 1.2 cd/lm LEDs/each optic 1 White Light colour Required components:

F15859\_HEKLA-SOCKET-I

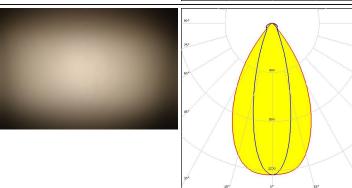


## **XICATO**

XOB 14.5 mm

FWHM / FWTM 58.0 + 29.0° / 84.0 + 61.0°

Efficiency 80 % Peak intensity 1.2 cd/lm LEDs/each optic Light colour White Required components: F15859\_HEKLA-SOCKET-I

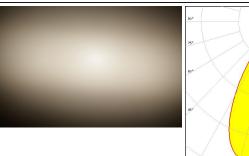


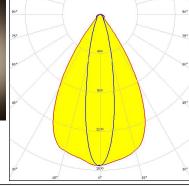
## **XICATO**

XOB 9.8 mm

FWHM / FWTM 62.0 + 22.0° / 81.0 + 51.0°

Efficiency 82 % Peak intensity 1.6 cd/lm LEDs/each optic White Light colour Required components: F15255\_HEKLA-SOCKET-C





bridgelux

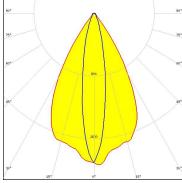
LED VERO10

FWHM / FWTM 59.0 + 18.0° / 78.0 + 45.0°

Efficiency 83 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15616\_HEKLA-SOCKET-F



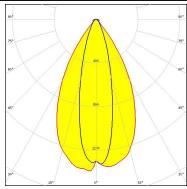
## **CITIZEN**

LED CLL03x/CLU03x

FWHM / FWTM 58.0 + 26.0° / 82.0 + 57.0°

Efficiency 77 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859\_HEKLA-SOCKET-I



## **CITIZEN**

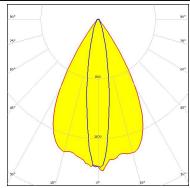
LED CLU710/711

FWHM / FWTM 61.0 + 18.0° / 78.0 + 42.0°

Efficiency 83 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15859\_HEKLA-SOCKET-I



### CREE - LED

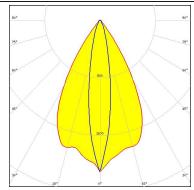
LED CXA/B 15xx

FWHM / FWTM 59.0 + 17.0° / 79.0 + 42.0°

Efficiency 84 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White

F15256\_HEKLA-SOCKET-D

Required components:



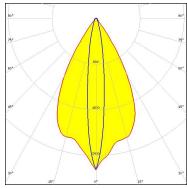
### CREE \$\text{LED}

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

FWHM / FWTM 56.0 + 13.0° / 75.0 + 35.0°

Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15254\_HEKLA-SOCKET-B



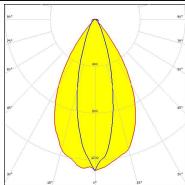
### CREE - LED

LED CXA/B 1830

FWHM / FWTM 60.0 + 28.0° / 84.0 + 60.0°

Efficiency 79 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 457 Typ L8



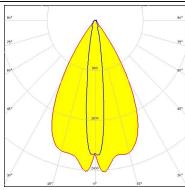
#### CREE - LED

LED XP-G3

FWHM / FWTM  $58.0 + 14.0^{\circ} / 76.0 + 32.0^{\circ}$ 

Efficiency 84 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17438\_HEKLA-G2-I



### **WNICHIA**

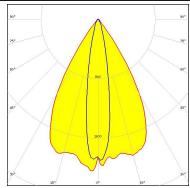
LED COB T-Type

FWHM / FWTM  $62.0 + 18.0^{\circ} / 78.0 + 38.0^{\circ}$ 

Efficiency 83 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White

F15848\_HEKLA-SOCKET-G

Required components:



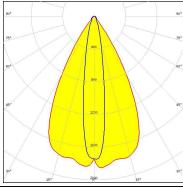
### **WNICHIA**

LED NFSWE11A

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$  $58.0 + 18.0^{\circ} / 76.0 + 42.0^{\circ}$ 

Efficiency 74 % Peak intensity 1.9 cd/lm LEDs/each optic 30 Light colour White

Required components:



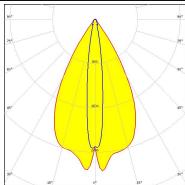
#### **OSRAM**

OSLON Square CSSRM2/CSSRM3 LED

FWHM / FWTM 58.0 + 14.0° / 74.0 + 30.0°

Efficiency 86 % Peak intensity 2.7 cd/lm LEDs/each optic 1 White Light colour

Required components: F17438\_HEKLA-G2-I

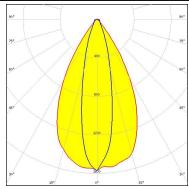


# OSRAM Opto Semiconductor

LED Soleriq S13 19x19 FWHM / FWTM 57.0 + 24.0° / 81.0 + 54.0°

Efficiency 83 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White

Required components: F15859\_HEKLA-SOCKET-I



#### **OSRAM**

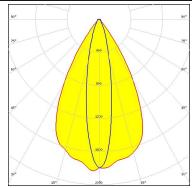
LED Soleriq S9

FWHM / FWTM  $59.0 + 20.0^{\circ} / 80.0 + 48.0^{\circ}$ 

Efficiency 85 % Peak intensity 1.8 cd/lm LEDs/each optic White Light colour

F15255\_HEKLA-SOCKET-C

Required components:



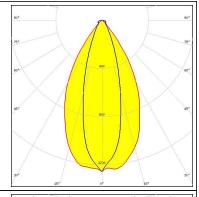


LED MJT COB LES 14.5 FWHM / FWTM 58.0 + 30.0° / 84.0 + 62.0°

Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15859\_HEKLA-SOCKET-I

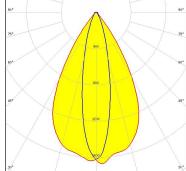


## SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8 FWHM / FWTM 60.0 + 22.0° / 80.0 + 51.0°

Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C





## PRODUCT DATASHEET WINNIE-O-C

#### **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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#### 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

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

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