

#### WINNIE-M-C

~35° spot beam with holder C compatible with LEDiL HEKLA

#### **TECHNICAL SPECIFICATIONS:**

Dimensions Ø 50.0 mm

Height 19.5 mm

Fastening tape

Colour black

Box size

Box weight 0 kg

Quantity in Box 364 pcs

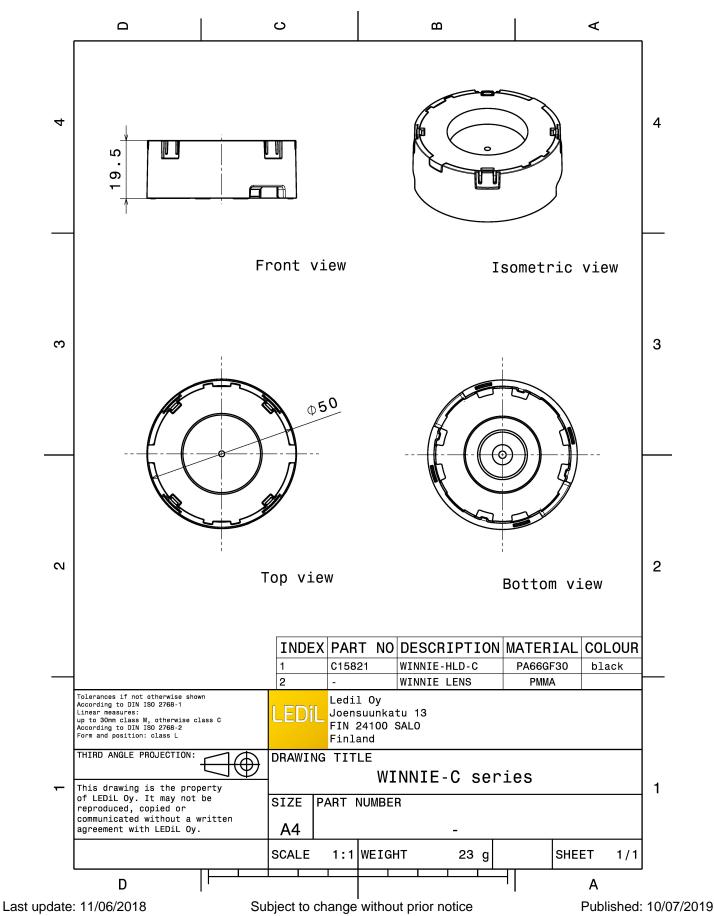
ROHS compliant yes 1



#### **MATERIAL SPECIFICATIONS:**

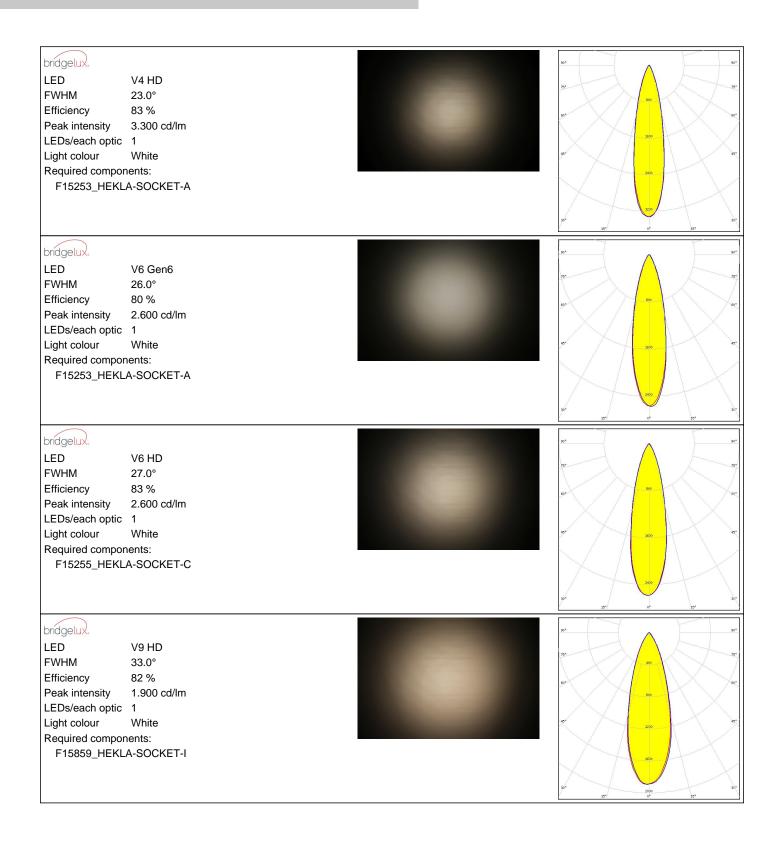
Component	Туре	Material	Colour
WINNIE-M	Single lens	PMMA	clear
WINNIE-HLD-C	Holder	PC	black





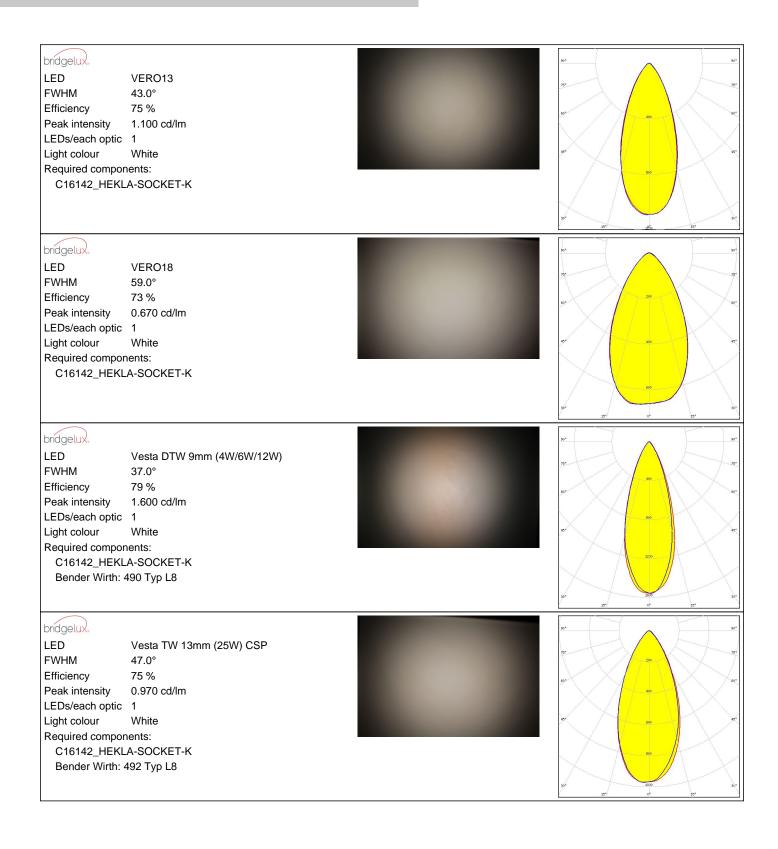


#### PHOTOMETRIC DATA (MEASURED):





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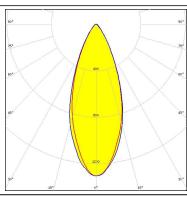
LED Vesta TW 9mm (12W) CSP

**FWHM** 40.0° 75 % Efficiency Peak intensity 1.300 cd/lm LEDs/each optic 1

Light colour White Required components:

C16142\_HEKLA-SOCKET-K





## **CITIZEN**

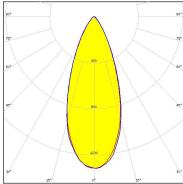
LED CLC020 Series (Dim-To-Warm)

**FWHM** 41.0° 76 % Efficiency Peak intensity 1.300 cd/lm

LEDs/each optic 1 Light colour White Required components:

C16142\_HEKLA-SOCKET-K





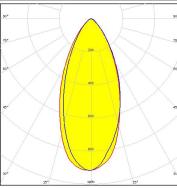
#### **CITIZEN**

LED CLC030 Series (Dim-To-Warm)

**FWHM** 47.0° Efficiency 73 % Peak intensity 0.920 cd/lm

LEDs/each optic 1 Light colour White Required components: C16142\_HEKLA-SOCKET-K





#### **CITIZEN**

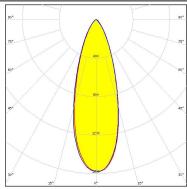
CLL02x/CLU02x (LES10)

**FWHM** 34.0° Efficiency 77 % Peak intensity 1.600 cd/lm

LEDs/each optic 1 White Light colour Required components:

F15255\_HEKLA-SOCKET-C







#### PHOTOMETRIC DATA (MEASURED):

## **CITIZEN**

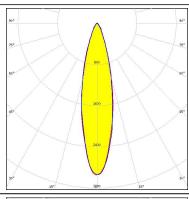
LED CLU7A2 (LES 4.2mm)

FWHM 25.0° Efficiency 82 % Peak intensity 2.900 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C





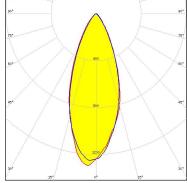
#### **CITIZEN**

LED LCN-C01B (Tunable White)

FWHM 40.0°
Efficiency 75 %
Peak intensity 1.300 cd/lm
LEDs/each optic 1

Light colour White
Required components:
C16142\_HEKLA-SOCKET-K
Bender Wirth: 481 Typ L8



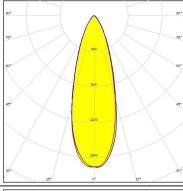


#### CREE 🚓

LED CMT14xx
FWHM 33.0°
Efficiency 81 %
Peak intensity 1.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:
F15255\_HEKLA-SOCKET-C



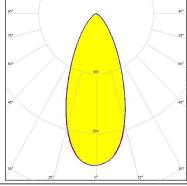


## CREE 🕏

 $\begin{array}{lll} \text{LED} & \text{CMT19xx} \\ \text{FWHM} & 45.0 + ^{\circ} \\ \text{Efficiency} & 77 \% \\ \text{Peak intensity} & 1.018 \text{ cd/lm} \\ \end{array}$ 

LEDs/each optic 1
Light colour White
Required components:
F15859\_HEKLA-SOCKET-I







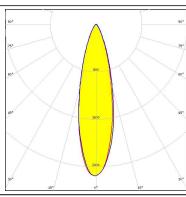
#### PHOTOMETRIC DATA (MEASURED):



LED CXA/B 13xx **FWHM** 27.0° 81 % Efficiency Peak intensity 2.600 cd/lm LEDs/each optic 1

Light colour White Required components: F15956\_HEKLA-SOCKET-J





#### LUMILEDS

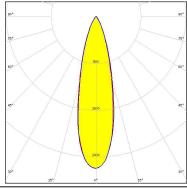
LED LUXEON CoB 1202HD

**FWHM** 27.0° 83 % Efficiency Peak intensity 2.600 cd/lm LEDs/each optic 1

Light colour White Required components:

F15848\_HEKLA-SOCKET-G





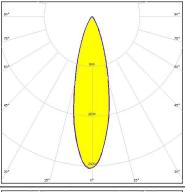
#### **MUMILEDS**

LED LUXEON CoB 1202s

**FWHM** 27.0° Efficiency 81 % Peak intensity 2.400 cd/lm

LEDs/each optic 1 Light colour White Required components: F15848\_HEKLA-SOCKET-G





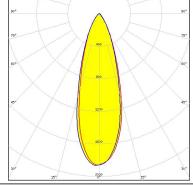
#### **MUMILEDS**

LED LUXEON CoB 1204HD

**FWHM** 32.0° Efficiency 83 % 1.870 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components: F15858\_HEKLA-SOCKET-H







#### PHOTOMETRIC DATA (MEASURED):



Light colour

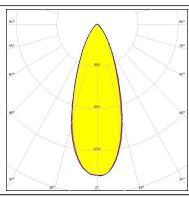
LED LUXEON CoB 1205HD

White

FWHM 38.0°
Efficiency 81 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1

Required components: F15858\_HEKLA-SOCKET-H



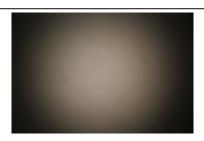


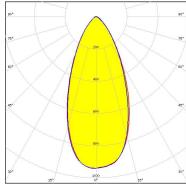
#### **ELUMINUS**

LED CxM-14 (19x19)

FWHM 47.0°
Efficiency 75 %
Peak intensity 0.940 cd/lm
LEDs/each optic 1

Light colour White
Required components:
F15859\_HEKLA-SOCKET-I



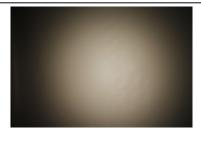


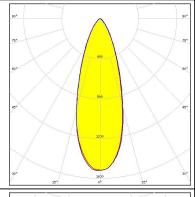
#### **ELUMINUS**

LED CxM-9 (13.5x13.5)

FWHM 35.0° Efficiency 78 % Peak intensity 1.500 cd/lm

LEDs/each optic 1 Light colour White Required components: F15255\_HEKLA-SOCKET-C



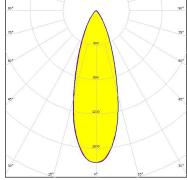


#### **PHILIPS**

LED Fortimo SLM L09 CoB

FWHM 34.0° Efficiency 82 % Peak intensity 1.770 cd/lm

LEDs/each optic 1
Light colour White
Required components:
F15858\_HEKLA-SOCKET-H





#### PHOTOMETRIC DATA (MEASURED):

#### PHILIPS

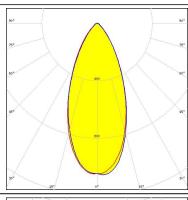
LED Fortimo SLM L13 CoB

White

FWHM 45.0°
Efficiency 77 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1

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





#### **PHILIPS**

Light colour

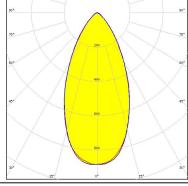
LED Fortimo SLM L15 CoB

FWHM 50.0° Efficiency 76 % Peak intensity 0.900 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 499 Typ L8





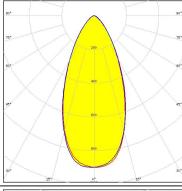
#### **SAMSUNG**

LED COB D Series LES 14.5 mm

FWHM 48.0° Efficiency 75 % Peak intensity 0.900 cd/lm

LEDs/each optic 1 Light colour White Required components: F15859\_HEKLA-SOCKET-I





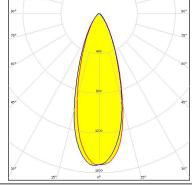
## **SAMSUNG**

LED COB D Series LES 9.8 mm

FWHM 35.0° Efficiency 79 % Peak intensity 1.500 cd/lm

LEDs/each optic 1
Light colour White
Required components:
F15255\_HEKLA-SOCKET-C







#### PHOTOMETRIC DATA (MEASURED):

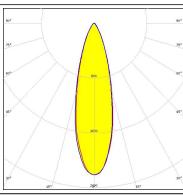
## **SAMSUNG**

LED LC010C FWHM 28.0° Efficiency 79 % Peak intensity 2.200 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15848\_HEKLA-SOCKET-G





#### **SAMSUNG**

 LED
 LC010C G2

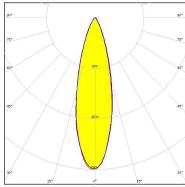
 FWHM
 28.0°

 Efficiency
 80 %

 Peak intensity
 2.400 cd/lm

Peak intensity 2.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255\_HEKLA-SOCKET-C

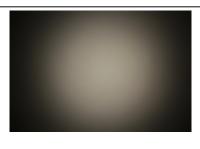
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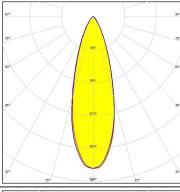


## SAMSUNG

LED LC020C FWHM 32.0° Efficiency 80 % Peak intensity 1.800 cd/lm

LEDs/each optic 1
Light colour White
Required components:



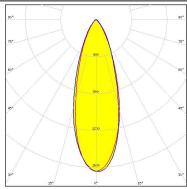


## SAMSUNG

LED LC020C G2
FWHM 34.0°
Efficiency 79 %
Peak intensity 1.650 cd/lm
LEDs/each optic 1

Light colour White Required components: F15859\_HEKLA-SOCKET-I







#### PHOTOMETRIC DATA (MEASURED):

## **TRIDONIC**

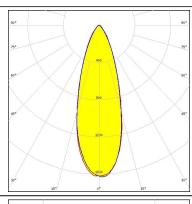
LED SLE G7 LES09

FWHM 34.0°
Efficiency 78 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1

Required components: F15255\_HEKLA-SOCKET-C

White





#### **TRIDONIC**

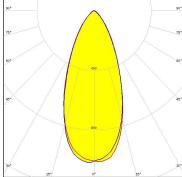
Light colour

LED SLE G7 LES13

FWHM 45.0° Efficiency 75 % Peak intensity 1.000 cd/lm LEDs/each optic 1

Light colour White
Required components:
F15859\_HEKLA-SOCKET-I





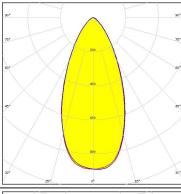
#### **TRIDONIC**

LED SLE G7 LES15

FWHM 48.0° Efficiency 75 % Peak intensity 0.890 cd/lm

LEDs/each optic 1 Light colour White Required components: F15859\_HEKLA-SOCKET-I





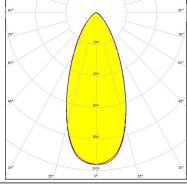
## **XICATO**

LED XOB 14.5 mm

FWHM 45.0° Efficiency 75 % Peak intensity 0.963 cd/lm

LEDs/each optic 1
Light colour White
Required components:
F15859\_HEKLA-SOCKET-I







#### PHOTOMETRIC DATA (MEASURED):

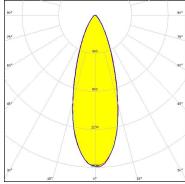
# XICATO LED XOB 9.8 mm FWHM 35.0°

Efficiency 78 %
Peak intensity 1.596 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C







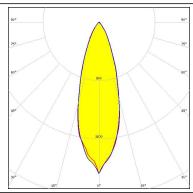
#### PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED VERO10 **FWHM** 32.0° Efficiency 83 % Peak intensity 2.085 cd/lm

LEDs/each optic 1 Light colour White Required components:

F15616\_HEKLA-SOCKET-F

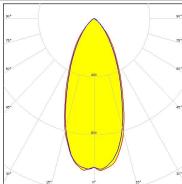


#### **CITIZEN**

LED CLL03x/CLU03x

**FWHM** 45.0° 77 % Efficiency Peak intensity 1.055 cd/lm

LEDs/each optic 1 White Light colour Required components: F15859\_HEKLA-SOCKET-I

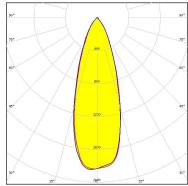


## **CREE** ÷

LED CXA/B 15xx **FWHM** 24.0° Efficiency 84 %

Peak intensity 1.900 cd/lm

LEDs/each optic 1 Light colour White Required components: F15256\_HEKLA-SOCKET-D

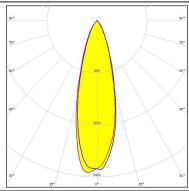


### CREE &

LED CXA/B 15xx **FWHM** 30.0° Efficiency 83 % 2.372 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

F15256\_HEKLA-SOCKET-D





#### PHOTOMETRIC DATA (SIMULATED):

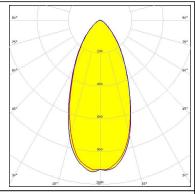


LED

MJT COB LES 14.5

FWHM 48.0° Efficiency 78 % Peak intensity 0.926 cd/lm

LEDs/each optic 1
Light colour White
Required components:
F15859\_HEKLA-SOCKET-I



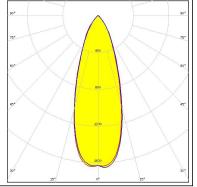
#### SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8

FWHM 36.0° Efficiency 82 % Peak intensity 1.667 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-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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## Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Salo, Finland Hong Kong, China

#### **Distribution Partners**

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