

#### WINNIE-M-C

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

#### **SPECIFICATION:**

Dimensions	Ø 50.0 mm
Height	19.5 mm
Fastening	tape
ROHS compliant	yes 🕕



#### **MATERIALS:**

Component	Type	Material	Colour	Finish	Length (mm)
C14233_WINNIE-M	Single lens	PMMA	clear		
C15821 WINNIF-HI D-C	Holder	PC	black		

#### **ORDERING INFORMATION:**

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

Single lens 1

Holder 1

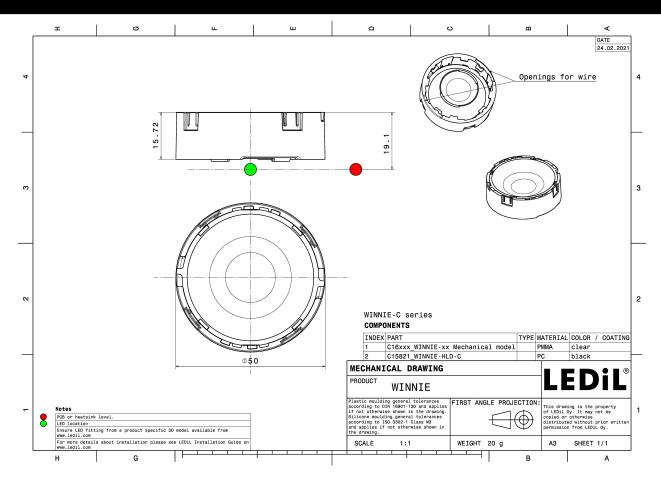


## PRODUCT DATASHEET WINNIE-M-C

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14233_WINNIE-M » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	6.5
C15821_WINNIE-HLD-C  » Box size: 400 x 300 x 300 mm	Holder	420		28	4.1



# PRODUCT DATASHEET WINNIE-M-C

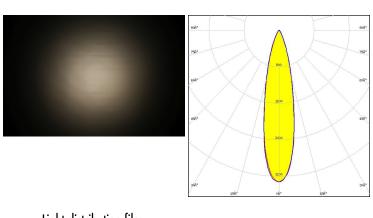


See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>





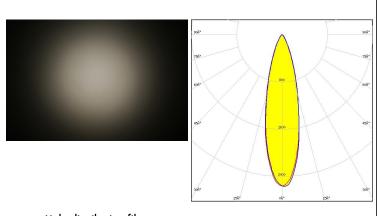
LED V4 HD Gen 7
FWHM / FWTM 23.0° / 48.0°
Efficiency 83 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253\_HEKLA-SOCKET-A



Light distribution files

#### bridgelux.

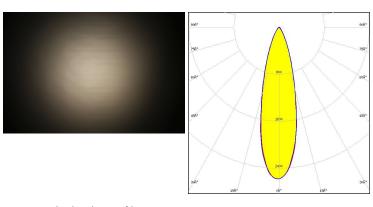
LED V6 Gen6
FWHM / FWTM 26.0° / 55.0°
Efficiency 80 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253\_HEKLA-SOCKET-A



Light distribution files

#### bridgelux.

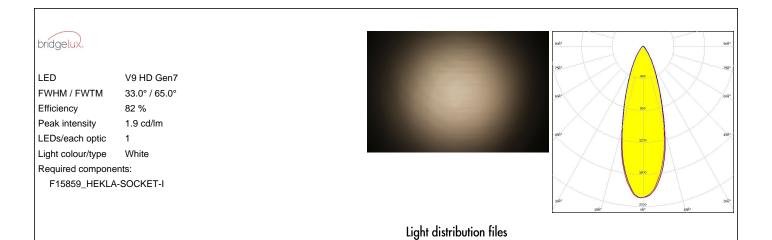
LED V6 HD Gen 7
FWHM / FWTM 27.0° / 56.0°
Efficiency 83 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255\_HEKLA-SOCKET-C

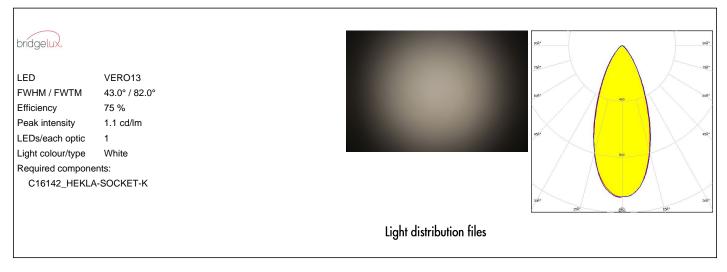


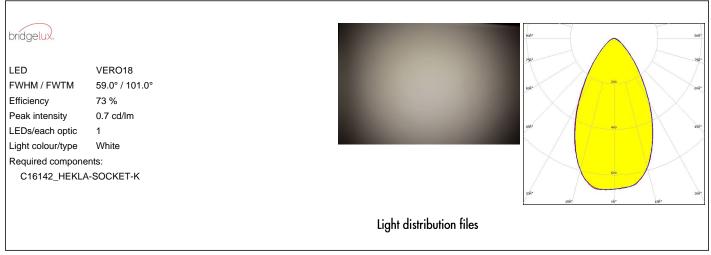
Light distribution files

5/23

#### **OPTICAL RESULTS (MEASURED):**









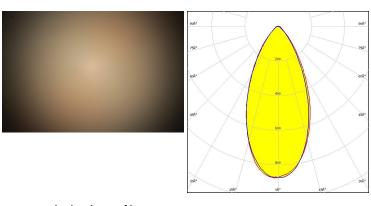
LED Vesta DTW 13mm (21W)

49.0° / 89.0° FWHM / FWTM Efficiency 72 % Peak intensity 0.9 cd/lm LEDs/each optic

Tunable White Light colour/type

Required components:

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



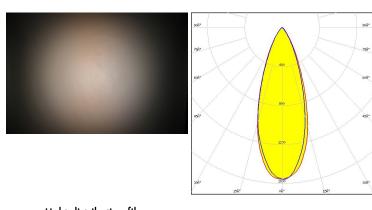
Light distribution files



Vesta DTW 9mm (4W/6W/12W)

FWHM / FWTM 37.0° / 68.0° Efficiency 79 % Peak intensity 1.6 cd/lm LEDs/each optic Light colour/type White Required components: C16142\_HEKLA-SOCKET-K

Bender Wirth: 490 Typ L8



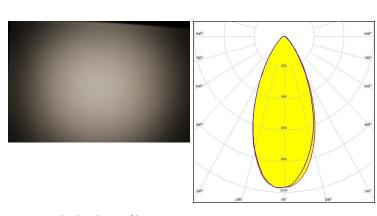
Light distribution files



LED Vesta TW 13mm (25W) CSP

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 47.0° / 85.0° Efficiency 75 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour/type White Required components: C16142\_HEKLA-SOCKET-K

Bender Wirth: 492 Typ L8

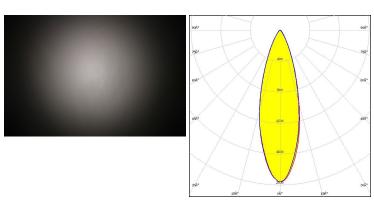


Light distribution files



LED Vesta TW 6mm DP FWHM / FWTM 31.0° / 61.0°
Efficiency 76 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8



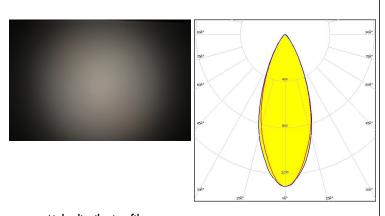
Light distribution files



LED Vesta TW 9mm (12W) CSP

FWHM / FWTM 40.0° / 73.0°
Efficiency 75 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C16142\_HEKLA-SOCKET-K

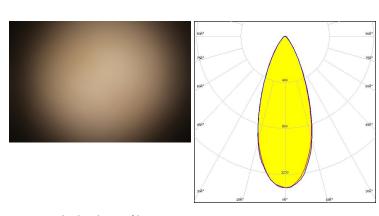


Light distribution files

## **CITIZEN**

LED CLC020 Series (Dim-To-Warm)

FWHM / FWTM 41.0° / 75.0°
Efficiency 76 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C16142\_HEKLA-SOCKET-K



Light distribution files

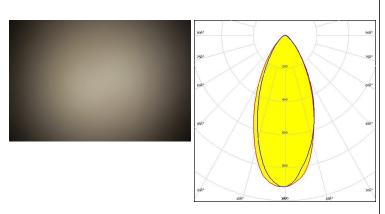


#### **CITIZEN**

LED CLC030 Series (Dim-To-Warm)

FWHM / FWTM 47.0° / 90.0°
Efficiency 73 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C16142\_HEKLA-SOCKET-K



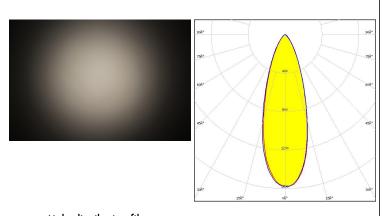
Light distribution files

#### **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 34.0° / 69.0°
Efficiency 77 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255\_HEKLA-SOCKET-C



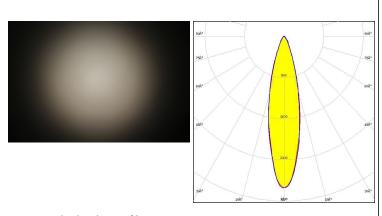
Light distribution files

## **CITIZEN**

LED CLU7A2/7A3
FWHM / FWTM 25.0° / 51.0°
Efficiency 82 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

F15255\_HEKLA-SOCKET-C



Light distribution files

#### **CITIZEN**

LED LCN-C01B (Tunable White)

FWHM / FWTM 40.0° / 74.0°

Efficiency 75 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

C16142\_HEKLA-SOCKET-K

Bender Wirth: 481 Typ L8

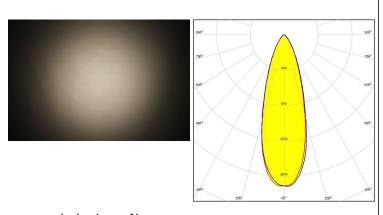
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Light distribution files



LED CMT14xx
FWHM / FWTM 33.0° / 69.0°
Efficiency 81 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255\_HEKLA-SOCKET-C



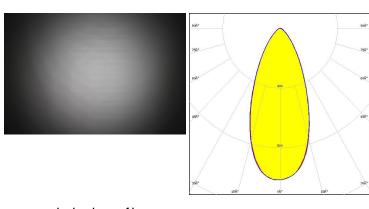
Light distribution files

## CREE -

LED CMT19xx

 $FWHM / FWTM \qquad 45.0 + ° / 87.0°$ 

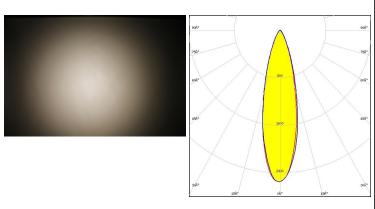
Efficiency 77 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859\_HEKLA-SOCKET-I



Light distribution files

## CREE -

LED CXA/B 13xx 27.0° / 55.0° FWHM / FWTM Efficiency 81 % Peak intensity 2.6 cd/lm LEDs/each optic White Light colour/type Required components: F15956\_HEKLA-SOCKET-J



Light distribution files

## LUMILEDS

LUXEON CX Plus CoB L08 (Gen2)

FWHM / FWTM 46.0° / 87.0° Efficiency 77 % Peak intensity 1 cd/lm LEDs/each optic Light colour/type White Required components: Bender Wirth: 637a Hekla

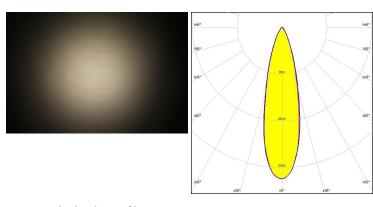


Light distribution files

## **MUMILEDS**

LED LUXEON CoB 1202HD

FWHM / FWTM 27.0° / 55.0° Efficiency 83 % Peak intensity 2.6 cd/lm LEDs/each optic Light colour/type White Required components: F15848\_HEKLA-SOCKET-G



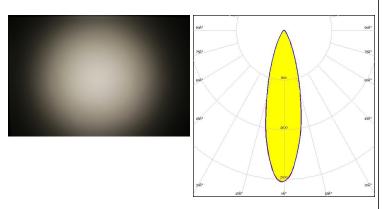
Light distribution files

#### **MUMILEDS**

LED LUXEON CoB 1202s

FWHM / FWTM 27.0° / 57.0°
Efficiency 81 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15848\_HEKLA-SOCKET-G



Light distribution files

## **UMILEDS**

LED LUXEON CoB 1204HD

FWHM / FWTM 32.0° / 66.0°

Efficiency 83 %

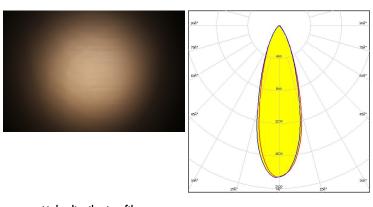
Peak intensity 1.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

F15858\_HEKLA-SOCKET-H

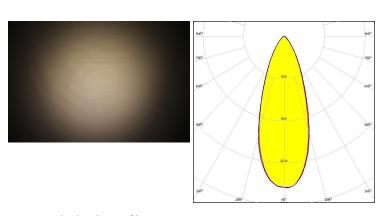


Light distribution files

## **DESCRIPTION**

LED LUXEON CoB 1205HD

FWHM / FWTM 38.0° / 75.0°
Efficiency 81 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15858\_HEKLA-SOCKET-H

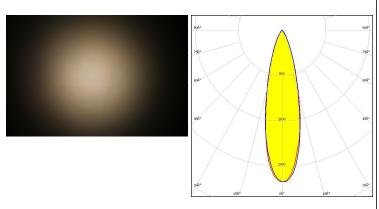


Light distribution files

## **UMILEDS**

LED LUXEON CX Plus CoB - HD S01H4

FWHM / FWTM 27.0° / 54.0°
Efficiency 82 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 634c Lena

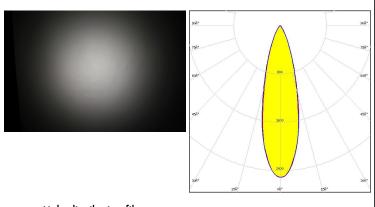


Light distribution files



LED LUXEON CX Plus CoB - HD S02H6

FWHM / FWTM 28.0° / 56.0°
Efficiency 82 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 634c Hekla

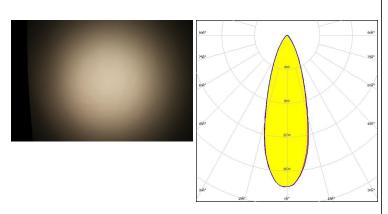


Light distribution files

## **DESCRIPTION**

LED LUXEON CX Plus CoB - HD S04H9

FWHM / FWTM 33.0° / 67.0°
Efficiency 81 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 634c Hekla

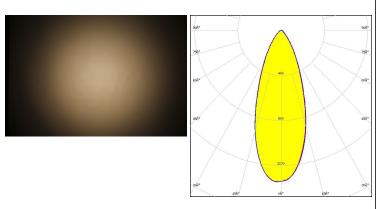


Light distribution files

#### **DESCRIPTION**

LED LUXEON CX Plus CoB L04 / L05 (Gen2)

FWHM / FWTM 39.0° / 76.0°
Efficiency 79 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 637a Hekla

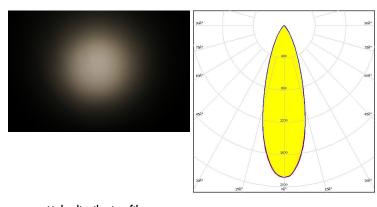


Light distribution files

## **UMILEDS**

LED LUXEON CX Plus CoB M02 / M03 (Gen2)

FWHM / FWTM 32.0° / 65.0°
Efficiency 81 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 641a Hekla

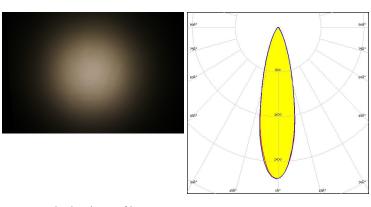


Light distribution files

## **DESCRIPTION**

LED LUXEON CX Plus CoB S01 (Gen2)

FWHM / FWTM 27.0° / 54.0°
Efficiency 83 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 634c Hekla



Light distribution files



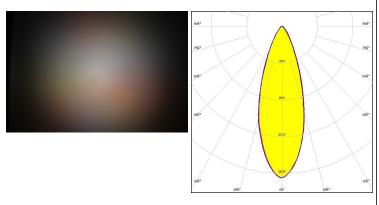
LED LUXEON Fusion 12-up (20x24)

FWHM / FWTM 35.0° / 67.0° Efficiency 77 % Peak intensity 1.6 cd/lm LEDs/each optic 1

Light colour/type Tunable White

Required components:

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



Light distribution files



 LED
 CxM-14 (19x19)

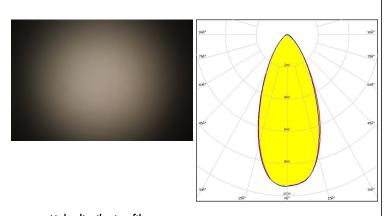
 FWHM / FWTM
 47.0° / 89.0°

 Efficiency
 75 %

 Peak intensity
 0.9 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:

F15859\_HEKLA-SOCKET-I

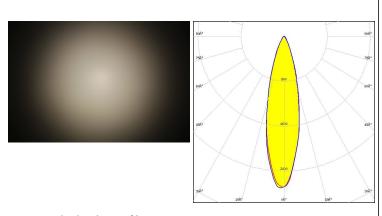


Light distribution files



LED CXM-4
FWHM / FWTM 26.0° / 53.0°
Efficiency 79 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255\_HEKLA-SOCKET-C



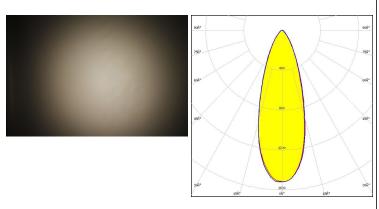
Light distribution files



LED CxM-9 (13.5x13.5) FWHM / FWTM 35.0° / 72.0°

Efficiency 78 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: F15255\_HEKLA-SOCKET-C



Light distribution files

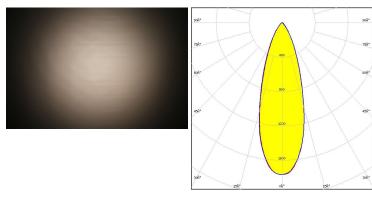
#### **PHILIPS**

LED Fortimo SLM L09 CoB

FWHM / FWTM 34.0° / 67.0° Efficiency 82 % Peak intensity 1.8 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:

F15858\_HEKLA-SOCKET-H



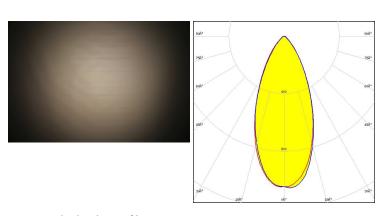
Light distribution files

## **PHILIPS**

LED Fortimo SLM L13 CoB

FWHM / FWTM 45.0° / 84.0°
Efficiency 77 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

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



Light distribution files



#### **PHILIPS**

LED Fortimo SLM L15 CoB

FWHM / FWTM 50.0° / 91.0°

Efficiency 76 %

Peak intensity 0.9 cd/lm

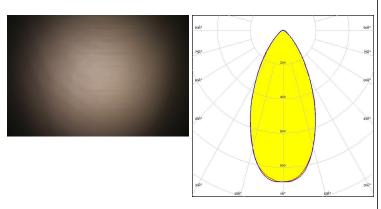
LEDs/each optic 1

Light colour/type White

Required components:

C16142 HEKLA-SOCKET-K

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



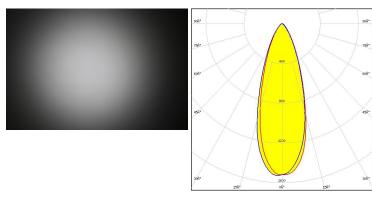
Light distribution files

## SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 35.0° / 71.0°
Efficiency 79 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255\_HEKLA-SOCKET-C

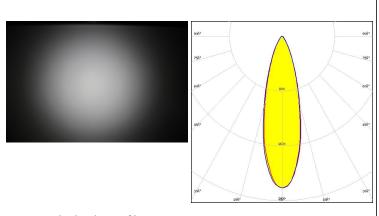


Light distribution files

#### **SAMSUNG**

LED LC010C
FWHM / FWTM 28.0° / 59.0°
Efficiency 79 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15848\_HEKLA-SOCKET-G



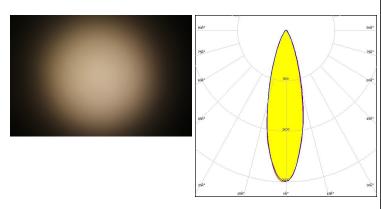
Light distribution files



## **SAMSUNG**

LC010C G2 28.0° / 56.0° FWHM / FWTM Efficiency 80 % Peak intensity 2.4 cd/lm LEDs/each optic White Light colour/type Required components:

F15255\_HEKLA-SOCKET-C

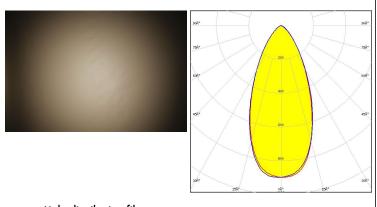


Light distribution files

#### **SAMSUNG**

LC016D / LC019D / LC026D / LC033D

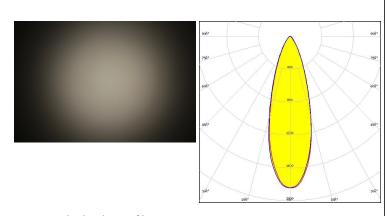
FWHM / FWTM 48.0° / 91.0° Efficiency 75 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components: F15859\_HEKLA-SOCKET-I



Light distribution files

#### **SAMSUNG**

LED LC020C FWHM / FWTM 32.0° / 64.0° Efficiency 80 % Peak intensity 1.8 cd/lm LEDs/each optic Light colour/type White Required components:



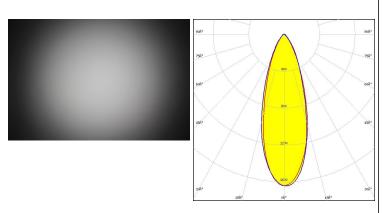
Light distribution files



#### **SAMSUNG**

LC020C G2 34.0° / 68.0° FWHM / FWTM Efficiency 79 % Peak intensity 1.7 cd/lm LEDs/each optic White Light colour/type Required components:

F15859\_HEKLA-SOCKET-I



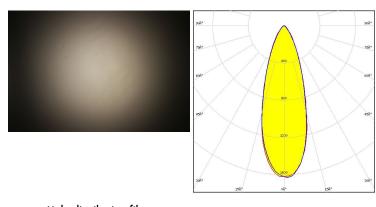
Light distribution files

#### **TRIDONIC**

SLE G7 LES09 FWHM / FWTM 34.0° / 69.0° Efficiency 78 % Peak intensity 1.6 cd/lm LEDs/each optic Light colour/type White

Required components:

F15255\_HEKLA-SOCKET-C



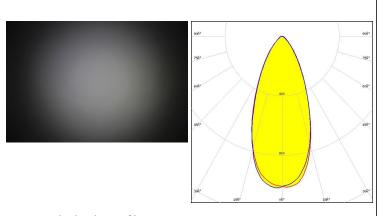
Light distribution files

#### **TRIDONIC**

LED SLE G7 LES13 FWHM / FWTM 45.0° / 86.0° Efficiency 75 %

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

F15859\_HEKLA-SOCKET-I



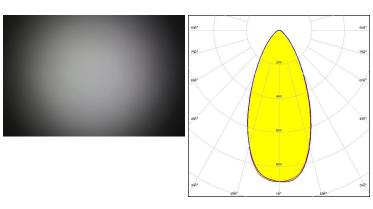
Light distribution files



#### **TRIDONIC**

SLE G7 LES15 48.0° / 91.0° FWHM / FWTM Efficiency 75 % Peak intensity 0.9 cd/lm LEDs/each optic White Light colour/type Required components:

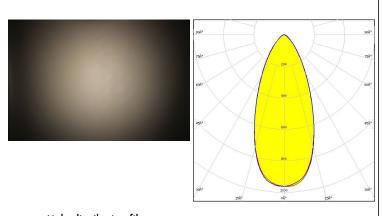
F15859\_HEKLA-SOCKET-I



Light distribution files

#### **XICATO**

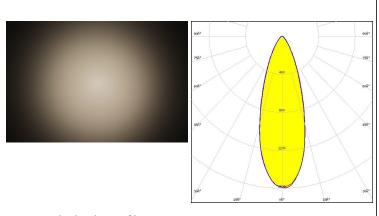
XOB 14.5 mm FWHM / FWTM 45.0° / 88.0° Efficiency 75 % Peak intensity 1 cd/lm LEDs/each optic Light colour/type White Required components: F15859\_HEKLA-SOCKET-I



Light distribution files

#### **XICATO**

LED XOB 9.8 mm FWHM / FWTM 35.0° / 69.0° Efficiency 78 % Peak intensity 1.6 cd/lm LEDs/each optic Light colour/type White Required components: F15255\_HEKLA-SOCKET-C



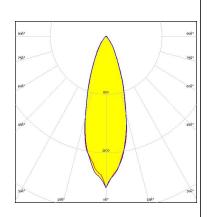
Light distribution files

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



LED VERO10
FWHM / FWTM 32.0° / 65.0°
Efficiency 83 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15616\_HEKLA-SOCKET-F



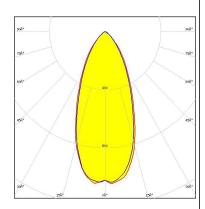
Light distribution files

#### **CITIZEN**

LED CLL03x/CLU03x
FWHM / FWTM 45.0° / 89.0°
Efficiency 77 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15859\_HEKLA-SOCKET-I



Light distribution files



LED CMA1825
FWHM / FWTM 40.0° / 84.0°
Efficiency 82 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: F15254\_HEKLA-SOCKET-B 968\* 968\* 668\* 668\* 668\* 668\*

Light distribution files

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

## CREE +

LED CXA/B 15xx
FWHM / FWTM 24.0° / 68.0°
Efficiency 84 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15256\_HEKLA-SOCKET-D

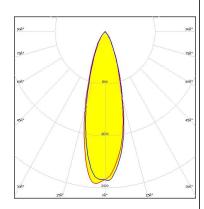
Light distribution files



LED CXA/B 15xx
FWHM / FWTM 30.0° / 61.0°
Efficiency 83 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15256\_HEKLA-SOCKET-D



Light distribution files



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

FWHM / FWTM 36.0° / 84.0°
Efficiency 81 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15254\_HEKLA-SOCKET-B

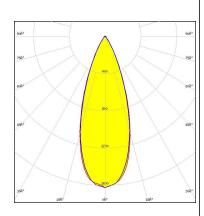
Light distribution files

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



LED NFSWE11A
FWHM / FWTM 37.0° / 63.0°
Efficiency 72 %
Peak intensity 1.6 cd/lm
LEDs/each optic 30
Light colour/type White

Required components:



Light distribution files

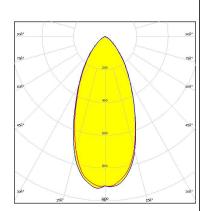


LED MJT COB LES 14.5 FWHM / FWTM 48.0° / 95.0 + 96.0°

Efficiency 78 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15859\_HEKLA-SOCKET-I



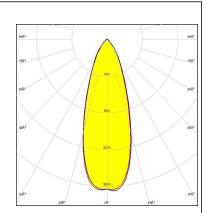
Light distribution files



LED MJT COB LES 9.8
FWHM / FWTM 36.0° / 73.0°
Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

F15255\_HEKLA-SOCKET-C



Light distribution files



# PRODUCT DATASHEET WINNIE-M-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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## Local sales and technical support

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23/23

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