

WINNIE-S-C

~20° spot beam with holder C compatible with LEDiL HEKLA

SPECIFICATION:

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



MATERIALS:

Component	Туре	Material	Colour	Finish	Length (mm)
C14232_WINNIE-S	Single lens	PMMA	clear		
C15821 WINNIF-HI D-C	Holder	PC	black		

ORDERING INFORMATION:

Quantities for one set:

Single lens 1

Holder 1

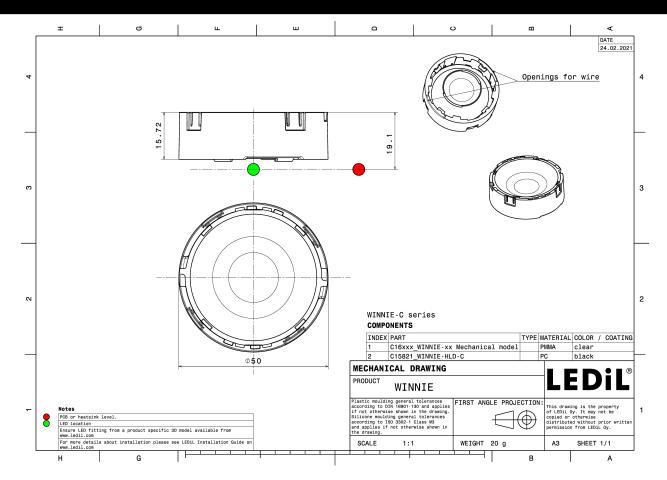


PRODUCT DATASHEET WINNIE-S-C

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14232_WINNIE-S » 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

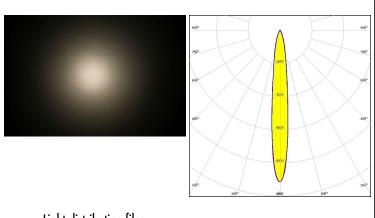


See also our general installation guide: www.ledil.com/installation_guide



bridgelux.

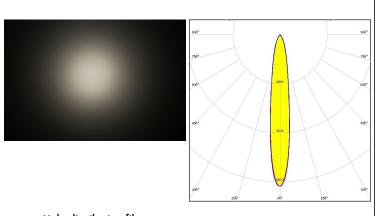
LED V4 HD Gen 7
FWHM / FWTM 13.0° / 34.0°
Efficiency 87 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A



Light distribution files

bridgelux.

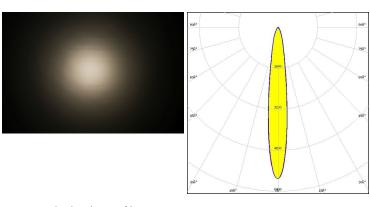
LED V6 Gen6
FWHM / FWTM 15.0° / 42.0°
Efficiency 84 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A



Light distribution files

bridgelux.

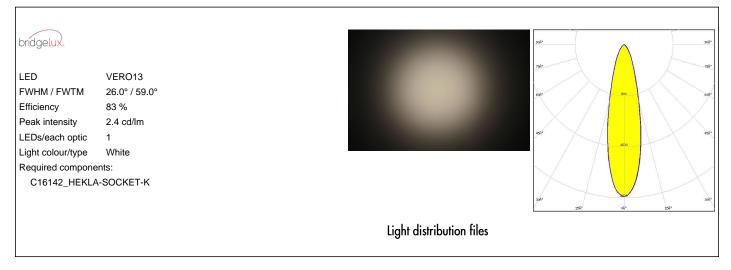
LED V6 HD Gen 7
FWHM / FWTM 15.0° / 37.0°
Efficiency 87 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C

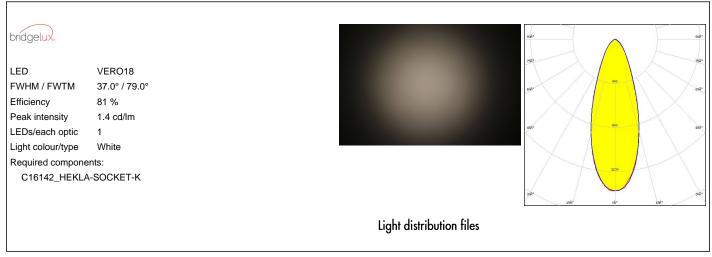


Light distribution files











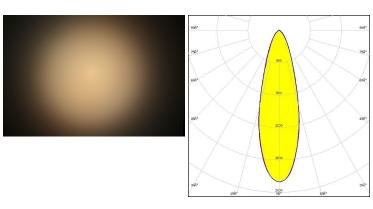
LED Vesta DTW 13mm (21W)

FWHM / FWTM 31.0° / 66.0°
Efficiency 81 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1

Light colour/type Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8



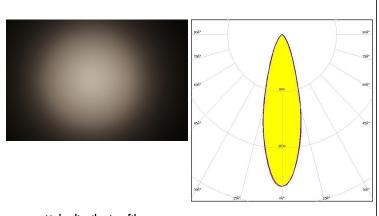
Light distribution files



LED Vesta TW 13mm (25W) CSP

FWHM / FWTM 29.0° / 62.0°
Efficiency 82 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C16142_HEKLA-SOCKET-K

Bender Wirth: 492 Typ L8



Light distribution files

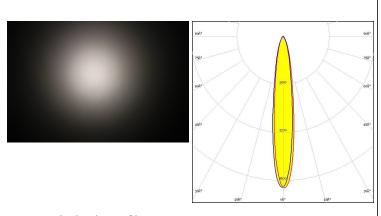


LED Vesta TW 6mm DP

FWHM / FWTM 16.0° / 40.0° Efficiency 82 % Peak intensity 5.1 cd/lm

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

C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8



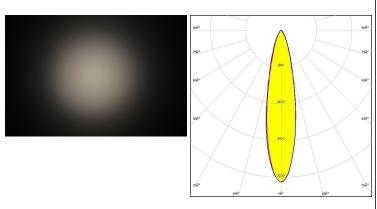
Light distribution files



LED Vesta TW 9mm (12W) CSP

FWHM / FWTM 23.0° / 50.0°
Efficiency 84 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C16142_HEKLA-SOCKET-K



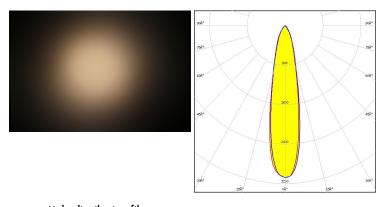
Light distribution files

CITIZEN

LED CLC020 Series (Dim-To-Warm)

FWHM / FWTM 22.0° / 53.0°
Efficiency 83 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C16142_HEKLA-SOCKET-K

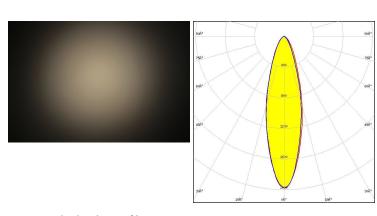


Light distribution files

CITIZEN

LED CLC030 Series (Dim-To-Warm)

FWHM / FWTM 29.0° / 67.0°
Efficiency 80 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C16142_HEKLA-SOCKET-K



Light distribution files

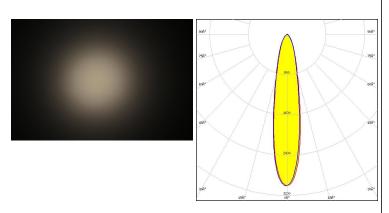


CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 20.0° / 53.0°
Efficiency 81 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255_HEKLA-SOCKET-C

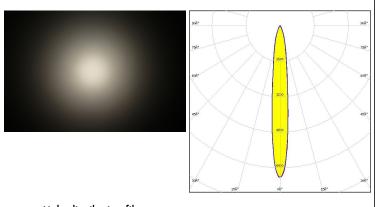


Light distribution files

CITIZEN

LED CLU7A2/7A3
FWHM / FWTM 13.0° / 36.0°
Efficiency 85 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255_HEKLA-SOCKET-C



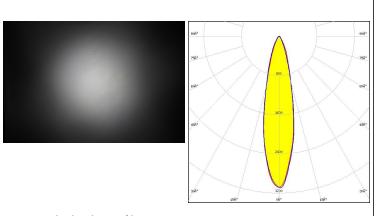
Light distribution files

CITIZEN

LED LCN-C01B (Tunable White)

FWHM / FWTM 23.0° / 50.0°
Efficiency 83 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 481 Typ L8

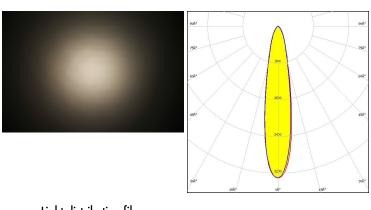


Light distribution files



CREE \$

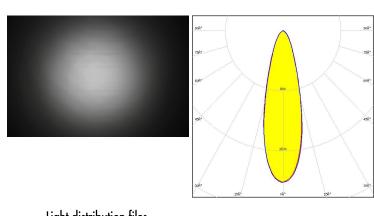
LED CMT14xx 20.0° / 50.0° FWHM / FWTM Efficiency 85 % Peak intensity 3.3 cd/lm LEDs/each optic White Light colour/type Required components: F15255_HEKLA-SOCKET-C



Light distribution files

CREE \$

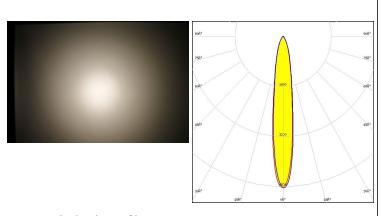
CMT19xx FWHM / FWTM 29.0° / 65.0° Efficiency 83 % Peak intensity 2 cd/lm LEDs/each optic Light colour/type White Required components: F15859_HEKLA-SOCKET-I



Light distribution files

CREE \$

LED CXA/B 13xx $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 15.0° / 43.0° Efficiency 85 % Peak intensity 4.9 cd/lm LEDs/each optic Light colour/type White Required components: F15956_HEKLA-SOCKET-J



Light distribution files

MUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)

FWHM / FWTM 29.0° / 64.0°
Efficiency 84 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 637a Hekla



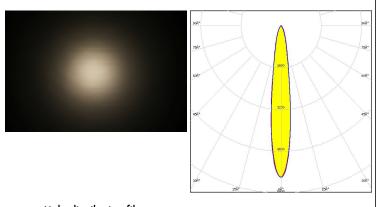
Light distribution files

DESCRIPTION

LED LUXEON CoB 1202HD FWHM / FWTM 15.0° / 37.5 + 37.0°

Efficiency 87 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15848_HEKLA-SOCKET-G



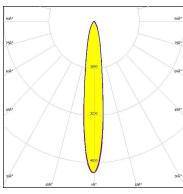
Light distribution files

DESCRIPTION

LED LUXEON CoB 1202s

FWHM / FWTM 15.0° / 41.0°
Efficiency 85 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G





Light distribution files

LUMILEDS

LUXEON CoB 1204HD

18.0° / 44.0° FWHM / FWTM Efficiency 87 % Peak intensity 4.2 cd/lm LEDs/each optic White Light colour/type Required components: F15858_HEKLA-SOCKET-H

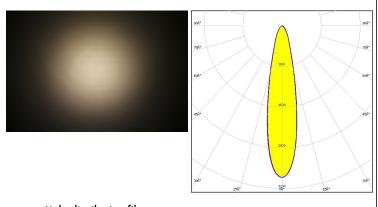
Light distribution files



LUXEON CoB 1205HD

FWHM / FWTM 22.0° / 52.0° Efficiency 85 % Peak intensity 3 cd/lm LEDs/each optic Light colour/type White Required components:

F15858_HEKLA-SOCKET-H

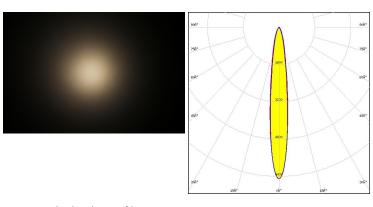


Light distribution files

MUMILEDS

LUXEON CX Plus CoB - HD S01H4 LED

FWHM / FWTM 14.0° / 36.0° Efficiency 87 % Peak intensity 6.5 cd/lm LEDs/each optic Light colour/type White Required components: Bender Wirth: 634c Hekla

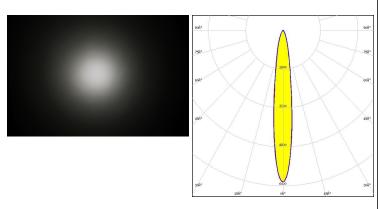


Light distribution files

UMILEDS

LED LUXEON CX Plus CoB - HD S02H6

FWHM / FWTM 14.0° / 36.0°
Efficiency 87 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9

FWHM / FWTM 19.0° / 46.0°
Efficiency 86 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

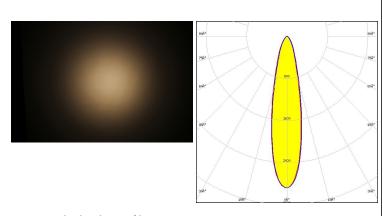
Bender Wirth: 634c Hekla

Light distribution files



LED LUXEON CX Plus CoB L04 / L05 (Gen2)

FWHM / FWTM 23.0° / 55.0°
Efficiency 85 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 637a Hekla

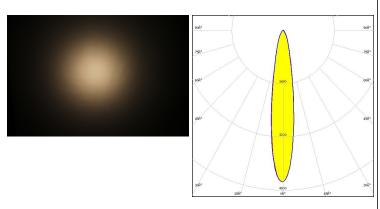


Light distribution files

MUMILEDS

LED LUXEON CX Plus CoB M02 / M03 (Gen2)

FWHM / FWTM 18.0° / 43.0°
Efficiency 87 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 641a Hekla

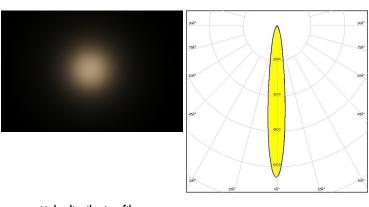


Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)

FWHM / FWTM 14.0° / 35.0°
Efficiency 87 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 634c Hekla



Light distribution files

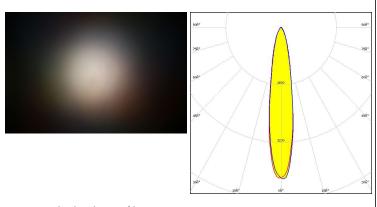
DESCRIPTION

LED LUXEON Fusion 12-up (20x24)

FWHM / FWTM 18.0° / 45.0° Efficiency 84 % Peak intensity 4.2 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)

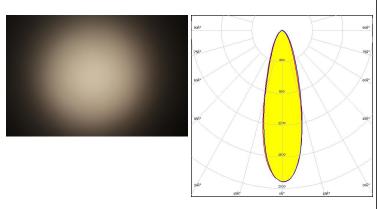
 FWHM / FWTM
 29.0° / 67.0°

 Efficiency
 83 %

 Peak intensity
 1.9 cd/lm

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

F15859_HEKLA-SOCKET-I



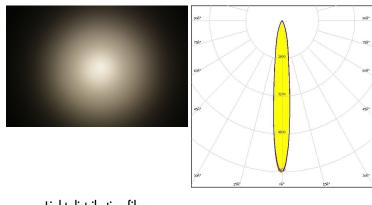
Light distribution files



LED CXM-4
FWHM / FWTM 13.0° / 37.0°
Efficiency 84 %
Peak intensity 6.4 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)

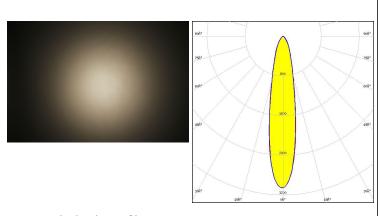
 FWHM / FWTM
 20.0° / 53.0°

 Efficiency
 83 %

 Peak intensity
 3.1 cd/lm

Peak intensity 3.1 cd 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 19.0° / 46.0°

Efficiency 87 %

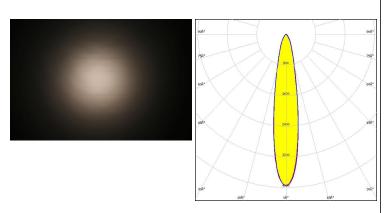
Peak intensity 4 cd/lm

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 28.0° / 61.0°

Efficiency 84 %

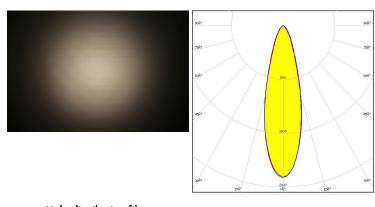
Peak intensity 2.3 cd/lm

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 32.0° / 67.0°

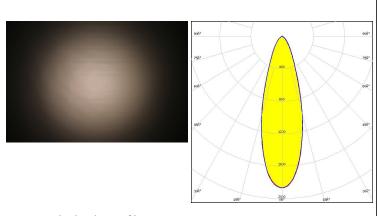
Efficiency 83 %

Peak intensity 1.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 432 Typ L8



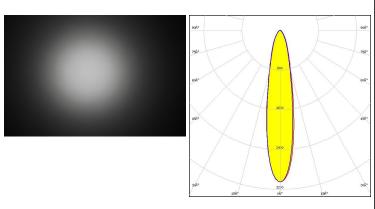
Light distribution files



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 21.0° / 53.0°
Efficiency 83 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

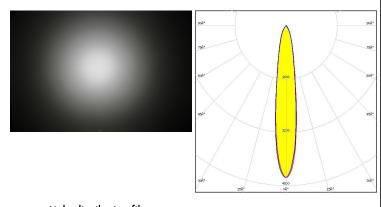
SAMSUNG

LED LC010C FWHM / FWTM 16.0° / 43.0° Efficiency 84 %

Peak intensity 4.6 cd/lm

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

F15848_HEKLA-SOCKET-G



Light distribution files

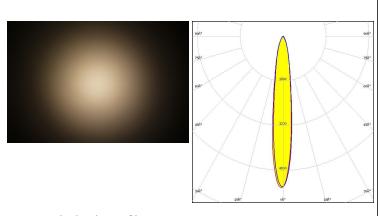
SAMSUNG

LED LC010C G2

FWHM / FWTM 14.0° / 39.0° Efficiency 84 % Peak intensity 5.4 cd/lm

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

F15255_HEKLA-SOCKET-C



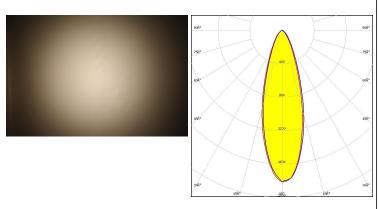
Light distribution files



SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 32.0° / 67.0°
Efficiency 81 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



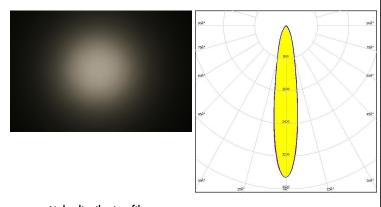
Light distribution files

SAMSUNG

LED LC020C
FWHM / FWTM 18.0° / 48.0°
Efficiency 84 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

F15848_HEKLA-SOCKET-G

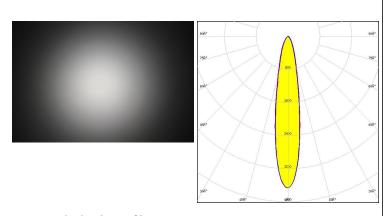


Light distribution files

SAMSUNG

LED LC020C G2
FWHM / FWTM 19.0° / 48.0°
Efficiency 84 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: F15859_HEKLA-SOCKET-I

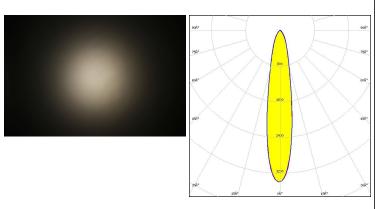


Light distribution files



TRIDONIC

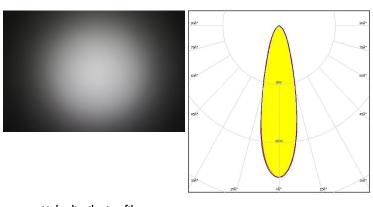
SLE G7 LES09 FWHM / FWTM 19.0° / 50.0° Efficiency 83 % Peak intensity 3.4 cd/lm LEDs/each optic White Light colour/type Required components: F15255_HEKLA-SOCKET-C



Light distribution files

TRIDONIC

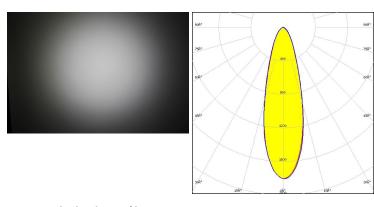
SLE G7 LES13 FWHM / FWTM 27.0° / 64.0° Efficiency 81 % Peak intensity 2.1 cd/lm LEDs/each optic Light colour/type White Required components: F15859_HEKLA-SOCKET-I



Light distribution files

TRIDONIC

SLE G7 LES15 LED FWHM / FWTM 30.0° / 68.0° Efficiency 81 % Peak intensity 1.8 cd/lm LEDs/each optic Light colour/type White Required components: F15859_HEKLA-SOCKET-I



Light distribution files



XICATO

 LED
 XOB 14.5 mm

 FWHM / FWTM
 29.0° / 68.0°

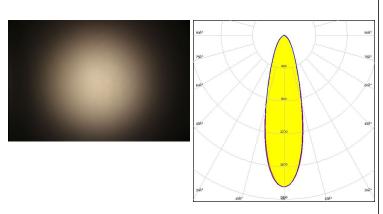
 Efficiency
 80 %

 Peak intensity
 1.8 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

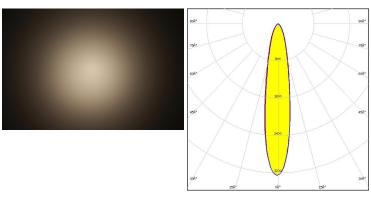
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

XICATO

LED XOB 9.8 mm
FWHM / FWTM 20.0° / 52.0°
Efficiency 83 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



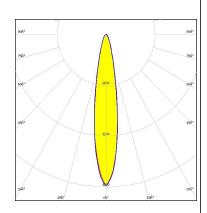
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED VERO10
FWHM / FWTM 18.0° / 40.0°
Efficiency 86 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15616_HEKLA-SOCKET-F



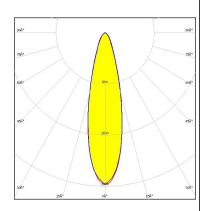
Light distribution files

CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 26.0° / 57.0°
Efficiency 79 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

F15859_HEKLA-SOCKET-I



Light distribution files



LED CMA1825
FWHM / FWTM 22.0° / 50.0°
Efficiency 84 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components: F15254_HEKLA-SOCKET-B

Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE +

LED CMT14xx
FWHM / FWTM 19.0° / 43.0°
Efficiency 85 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255_HEKLA-SOCKET-C

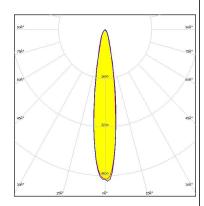
Light distribution files

CREE \$

LED CXA/B 15xx
FWHM / FWTM 18.0° / 38.0°
Efficiency 84 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15256_HEKLA-SOCKET-D

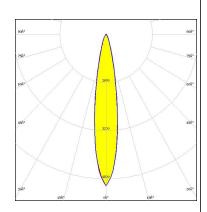


Light distribution files



LED NFSWE11A
FWHM / FWTM 18.0° / 38.0°
Efficiency 77 %
Peak intensity 5 cd/lm
LEDs/each optic 30
Light colour/type White

Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 29.0° / 60.0°

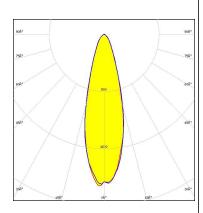
Efficiency 82 %

Peak intensity 2.2 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files



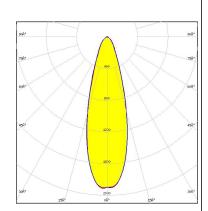
LED MJT COB LES 14.5

FWHM / FWTM 30.0° / 65.0°
Efficiency 81 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1

Light colour/type White

Required components:

F15859_HEKLA-SOCKET-I



Light distribution files

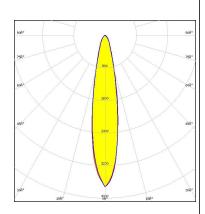


LED MJT COB LES 9.8 FWHM / FWTM 20.0° / 45.0°

Efficiency 83 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

F15255_HEKLA-SOCKET-C



Light distribution files



PRODUCT DATASHEET WINNIE-S-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.

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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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