

CARMEN-50-W-C

 ${\sim}55^{\circ}$ wide beam. Assembly with holder C compatible with LEDiL HEKLA.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	25.5 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
CARMEN-50-W	Single lens	PMMA	clear	
CARMEN-50-HLD-C	Holder	PC	black	

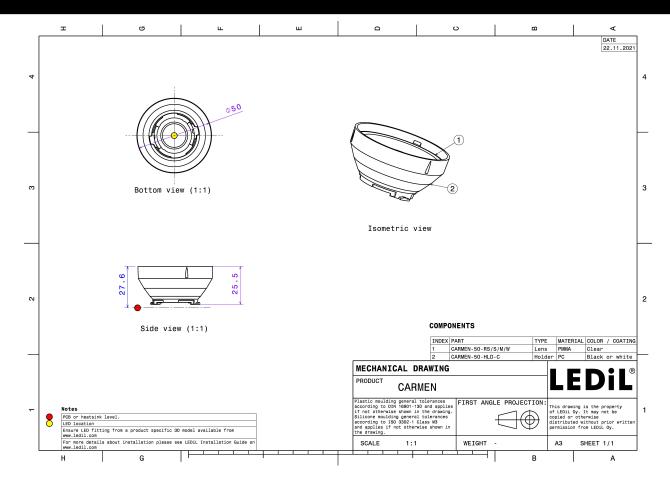
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16109_CARMEN-50-W-C	Single lens	308	112	28	5.7
» Box size: 476 x 273 x 292 mm					

Published: 02/01/2019

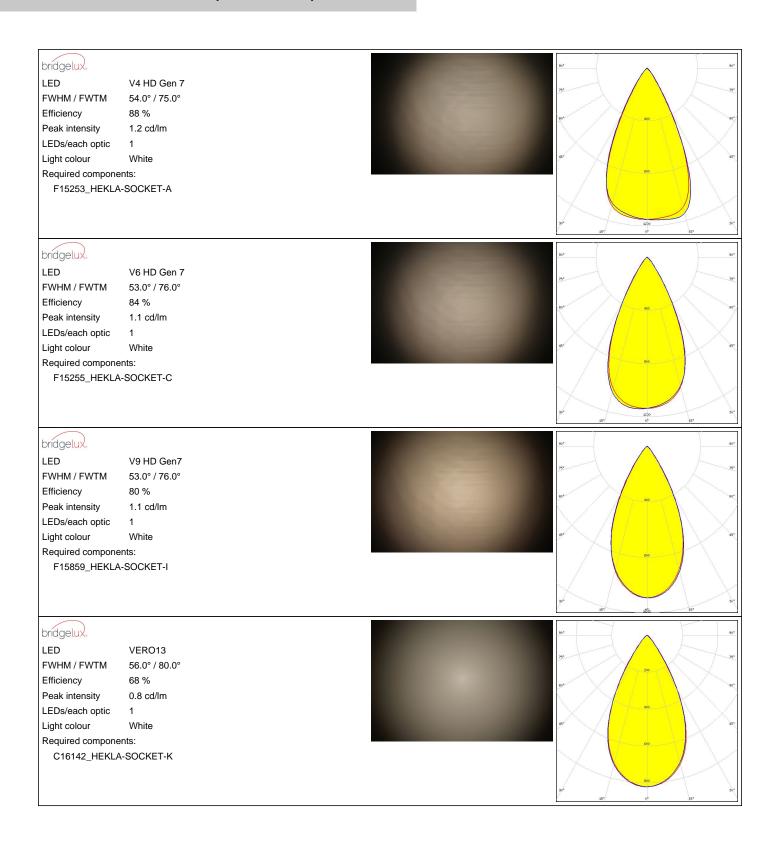


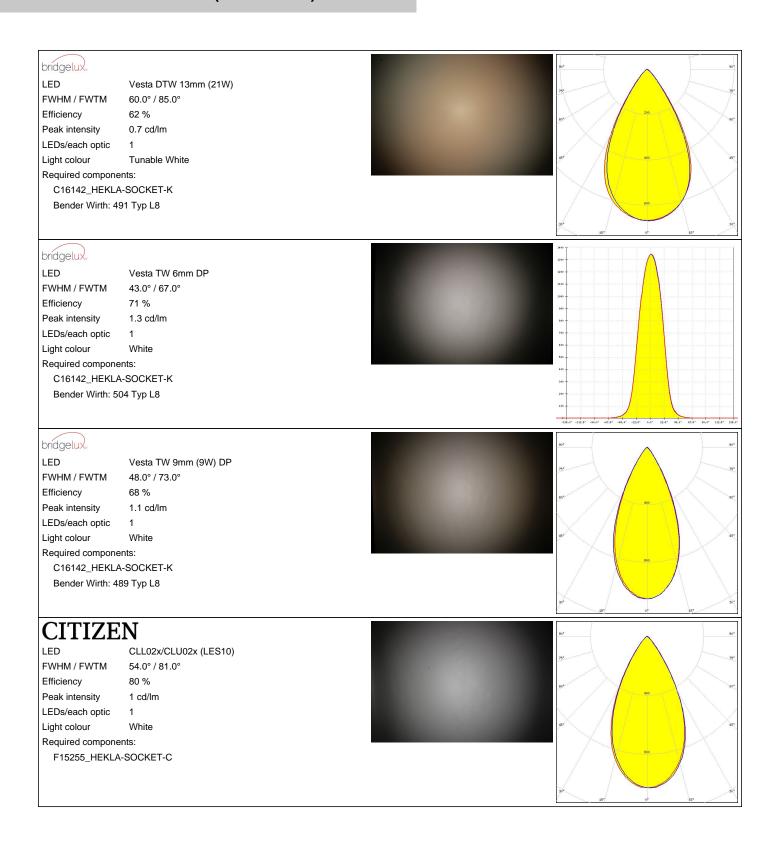
PRODUCT CP16109_CARMEN-50-W-C



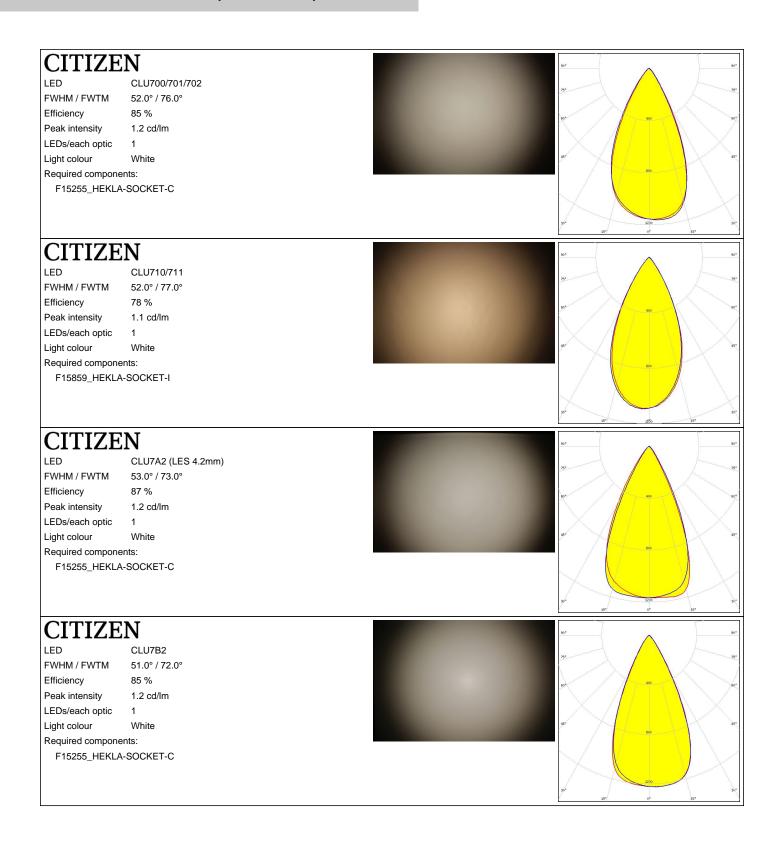
See also our general installation guide: www.ledil.com/installation_guide





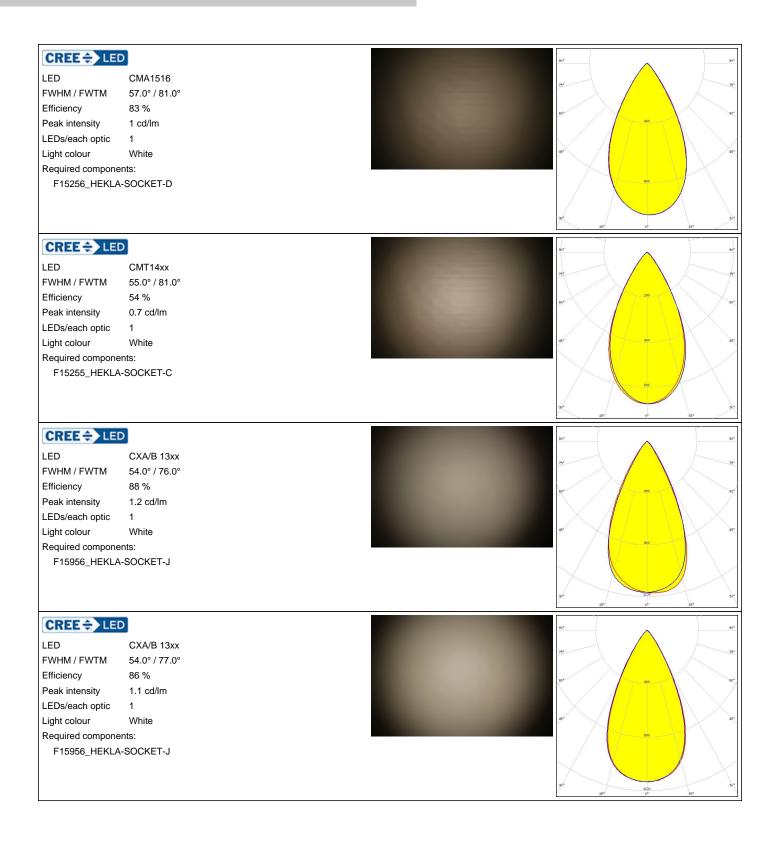


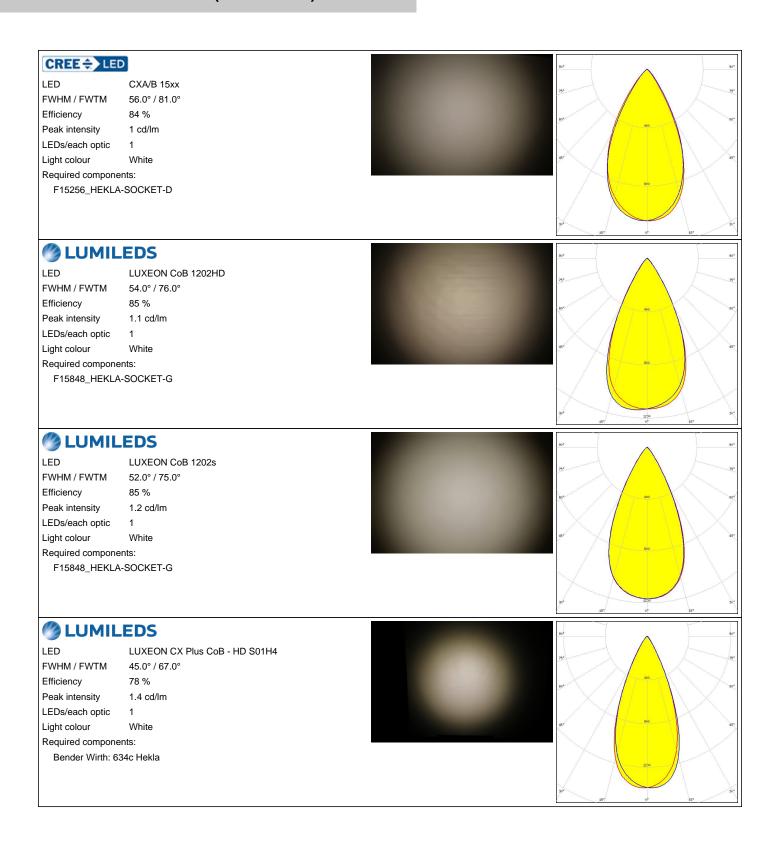




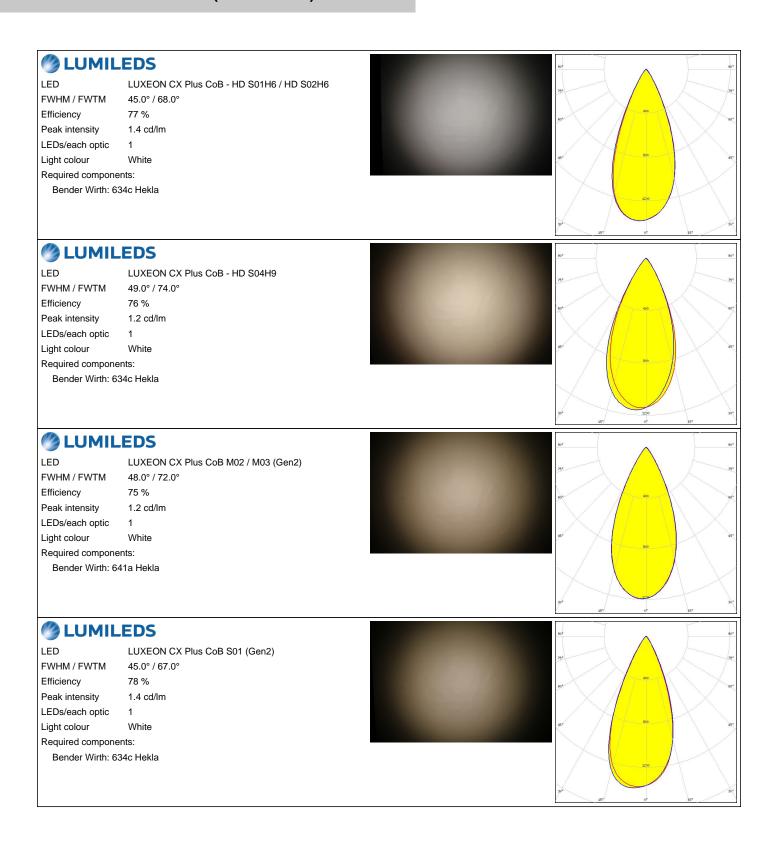
5/18

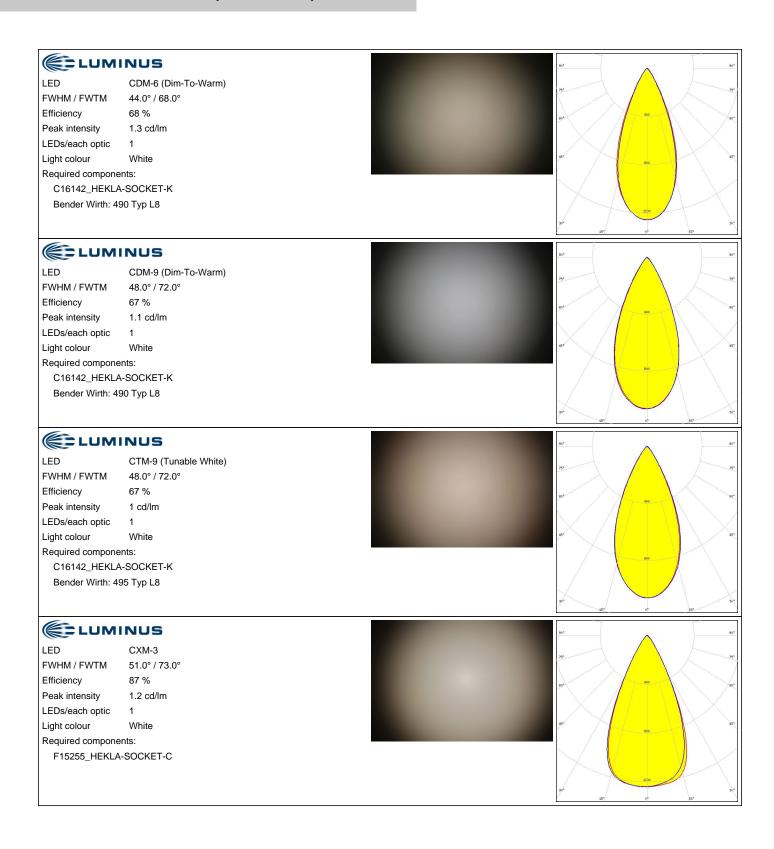


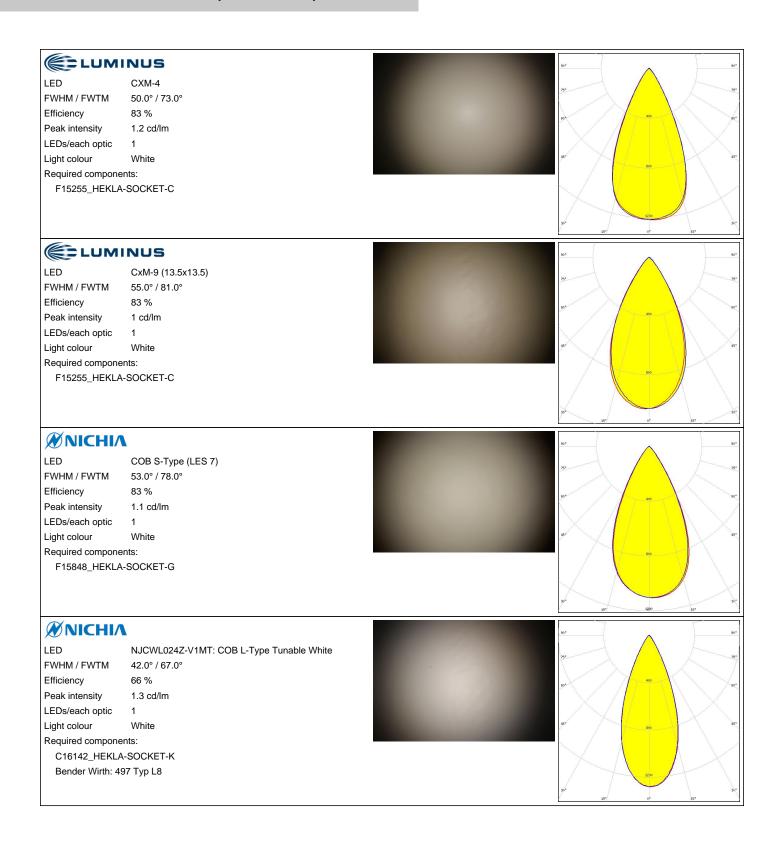




8/18







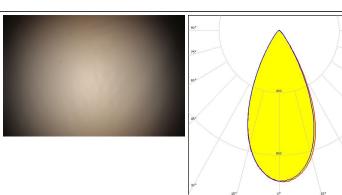
PHOTOMETRIC DATA (MEASURED):



LED NVCWJ024Z-V1MT: COB J-Type Tunable White

FWHM / FWTM 49.0° / 74.0°
Efficiency 65 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8

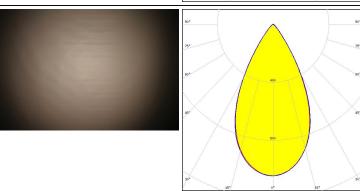


PHILIPS

LED Fortimo SLM L09 CoB

FWHM / FWTM 55.0° / 79.0°
Efficiency 81 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components: F15858_HEKLA-SOCKET-H

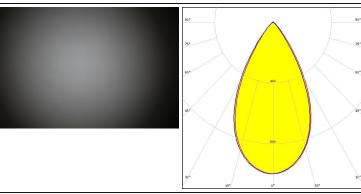


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 56.0° / 82.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C



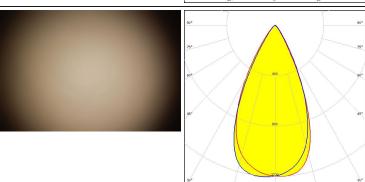
SAMSUNG

LED LC010C G2
FWHM / FWTM 51.0° / 74.0°
Efficiency 85 %

Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

F15255_HEKLA-SOCKET-C

Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

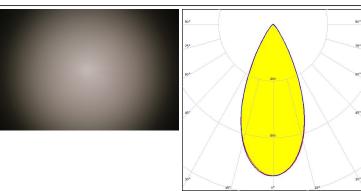
LED LC010T (Tunable White)

FWHM / FWTM 47.0° / 72.0° Efficiency 67 % Peak intensity 1.1 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8



SAMSUNG

 LED
 LC020C G2

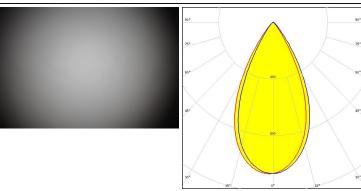
 FWHM / FWTM
 53.0° / 77.0°

 Efficiency
 79 %

 Peak intensity
 1.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I

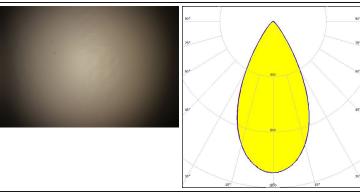


TRIDONIC

LED SLE G7 LES09
FWHM / FWTM 53.0° / 79.0°
Efficiency 82 %
Peak intensity 1.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C

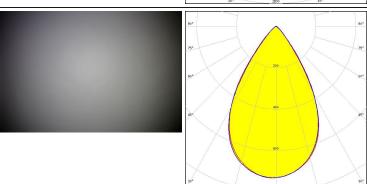


TRIDONIC

LED SLE G7 LES13
FWHM / FWTM 64.0° / 87.0°
Efficiency 73 %

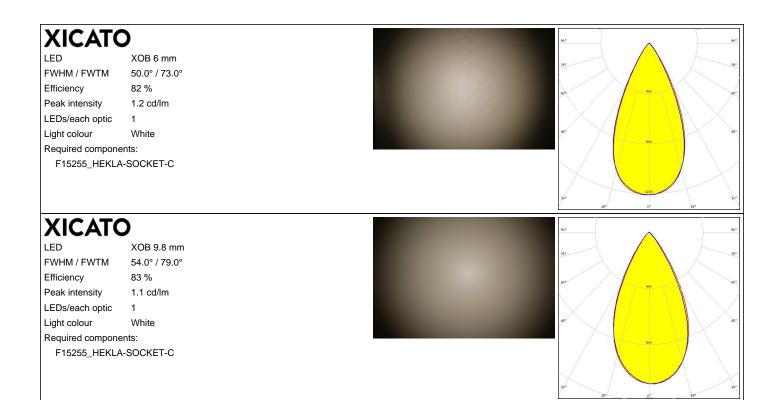
Peak intensity 0.7 cd/lm LEDs/each optic 1
Light colour White Required components:

F15859_HEKLA-SOCKET-I



12/18







PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED V10 Gen7

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 54.0° / 76.0°

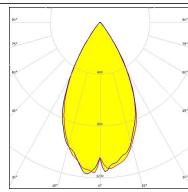
Efficiency 84 %

Peak intensity 1.2 cd/lm

LEDs/each optic Light colour White

Required components:

F15255_HEKLA-SOCKET-C



bridgelux

LED V6 Gen6

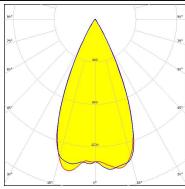
FWHM / FWTM 46.0° / 63.0° Efficiency 85 %

Peak intensity 1.5 cd/lm

LEDs/each optic 1 White Light colour

Required components:

F15253_HEKLA-SOCKET-A



bridgelux

LED V8 Gen7 FWHM / FWTM 54.0° / 74.0°

Efficiency 90 %

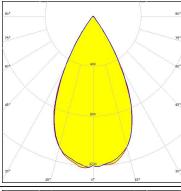
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F15253_HEKLA-SOCKET-A



bridgelux.

LED VERO10

FWHM / FWTM 49.0° / 73.0°

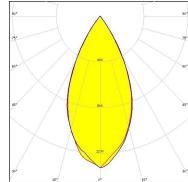
Efficiency 83 % Peak intensity 1.3 cd/lm

LEDs/each optic 1

White Light colour

Required components:

F15616_HEKLA-SOCKET-F



Published: 02/01/2019

PHOTOMETRIC DATA (SIMULATED):

WNICHIA

LED COB L-Type (LES 11)

White

FWHM / FWTM 65.0° / 87.0°
Efficiency 84 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1

Light colour
Required components:

F15858_HEKLA-SOCKET-H

WNICHIA

LED COB L-Type (LES 9)

FWHM / FWTM 62.0° / 81.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15858_HEKLA-SOCKET-H

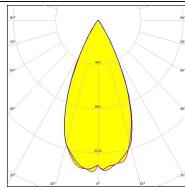
WNICHIA

LED COB S-Type (LES 6)

FWHM / FWTM 48.0° / 67.0°
Efficiency 79 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15848_HEKLA-SOCKET-G



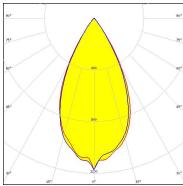
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 53.0° / 75.0°
Efficiency 79 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C





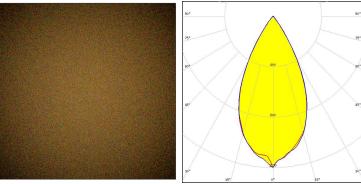
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 52.0° / 74.0°
Efficiency 80 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

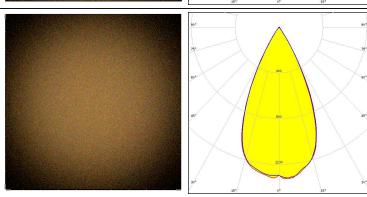
Required components: F17435_HEKLA-G2-C



SAMSUNG

LED LC010C
FWHM / FWTM 51.0° / 68.0°
Efficiency 84 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C



SAMSUNG

LED LH231B
FWHM / FWTM 50.0° / 73.0°
Efficiency 82 %
Peak intensity 1.2 cd/lm
LEDs/each optic 7
Light colour White

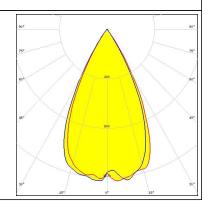
Required components:

F15255_HEKLA-SOCKET-C



LED MJT COB LES 6
FWHM / FWTM 53.0° / 70.0°
Efficiency 86 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C



PHOTOMETRIC DATA (SIMULATED):



LED MJT COB LES 9.8

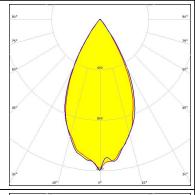
FWHM / FWTM 53.0° / 75.0°

Efficiency 81 %
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour White

Required components: F17435_HEKLA-G2-C



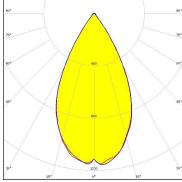
XICATO

LED XTM - 9mm LES FWHM / FWTM 55.0° / 76.0 + 6.0°

Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C15743_XTM-ADAPTER-50-B



Published: 02/01/2019



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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18/18

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