

CARMEN-50-M-C

 ${\sim}35^{\circ}$ medium 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	Туре	Material	Colour	Finish
CARMEN-50-M	Single lens	PMMA	clear	
CARMEN-50-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

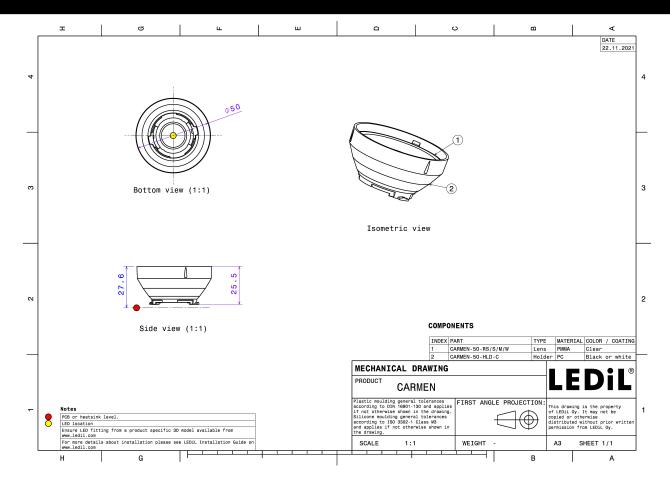
» Box size: 476 x 273 x 292 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16108_CARMEN-50-M-C	Single lens	308	112	28	5.9

Published: 02/01/2019

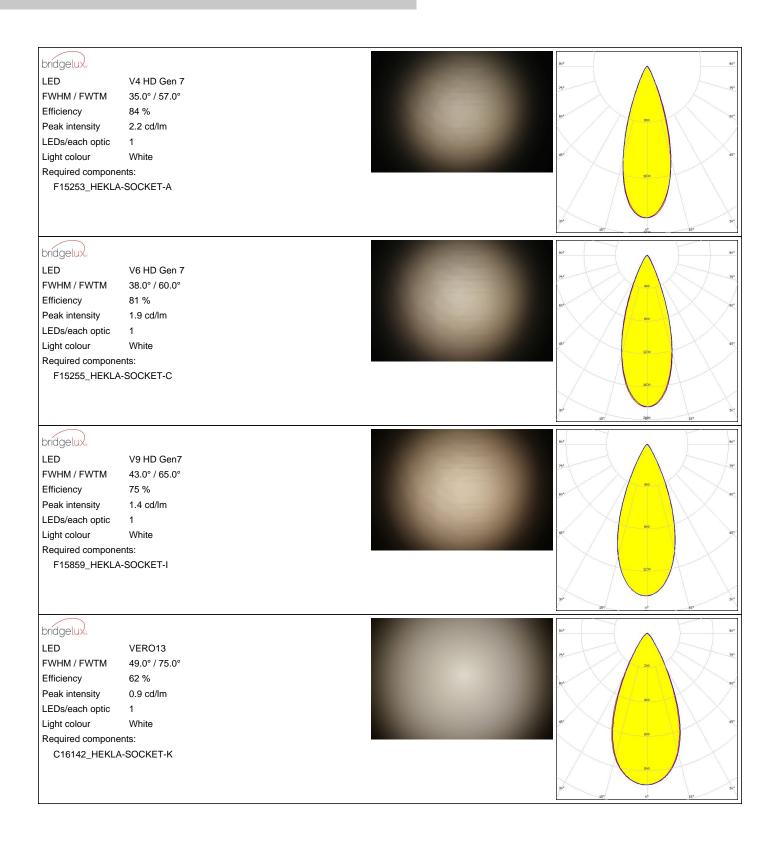


PRODUCT CP16108_CARMEN-50-M-C



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





PHOTOMETRIC DATA (MEASURED):



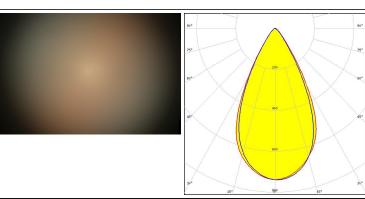
LED Vesta DTW 13mm (21W)

FWHM / FWTM 55.0° / 79.0° Efficiency 59 % Peak intensity 0.7 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8



bridgelux

LED Vesta TW 6mm DP
FWHM / FWTM 32.0° / 55.0°

Efficiency 67 %
Peak intensity 2 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8

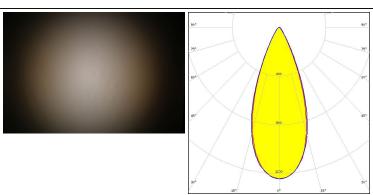


bridgelux

LED Vesta TW 9mm (9W) DP

FWHM / FWTM 41.0° / 65.0°
Efficiency 62 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K

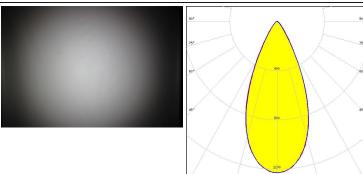
C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8



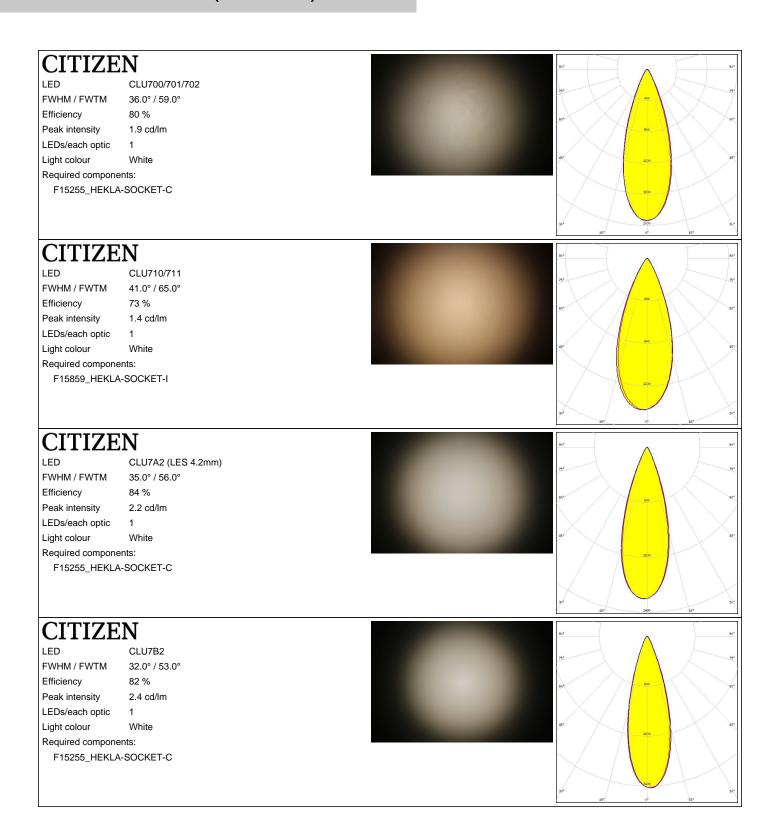
CITIZEN

LED CLL02x/CLU02x (LES10)

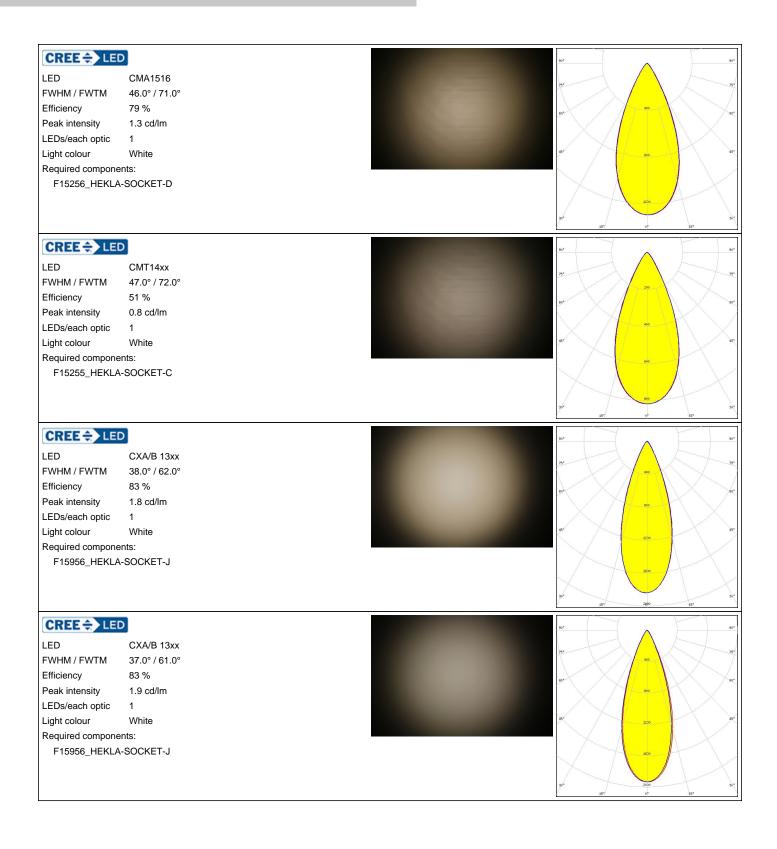
FWHM / FWTM 46.0° / 72.0°
Efficiency 76 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



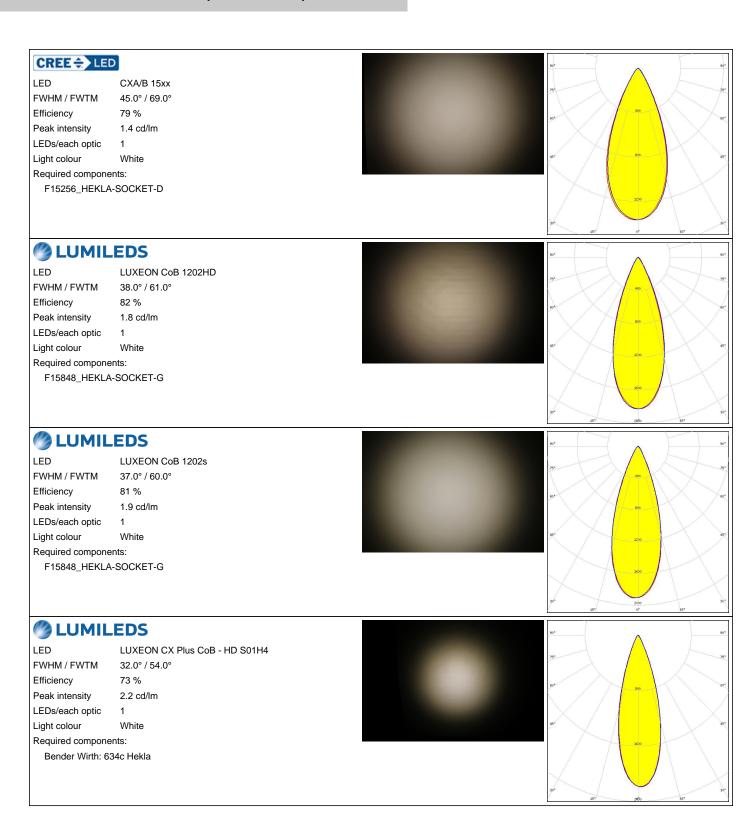


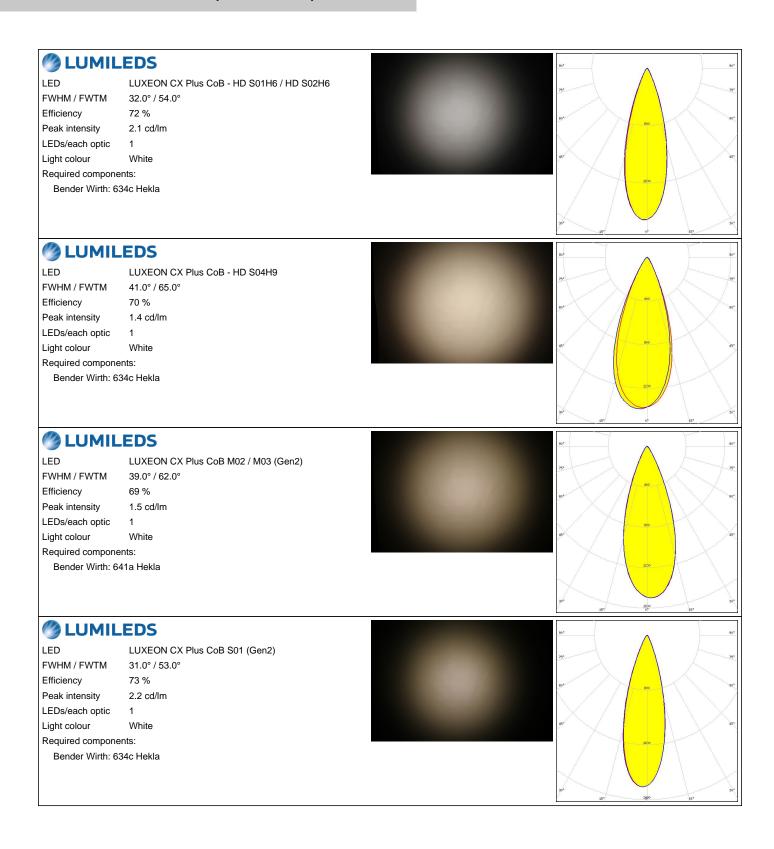


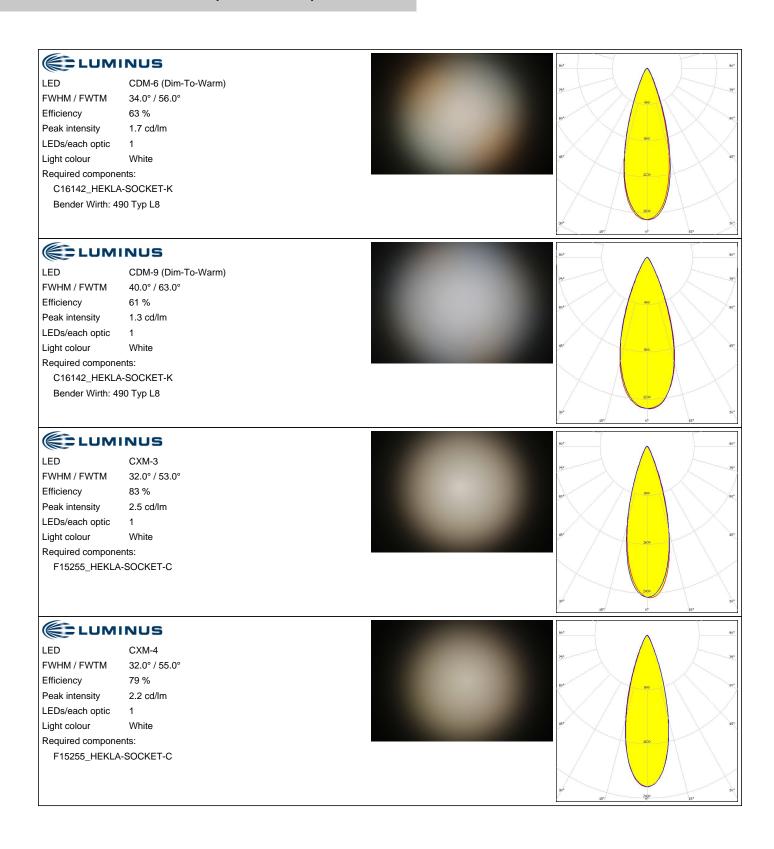


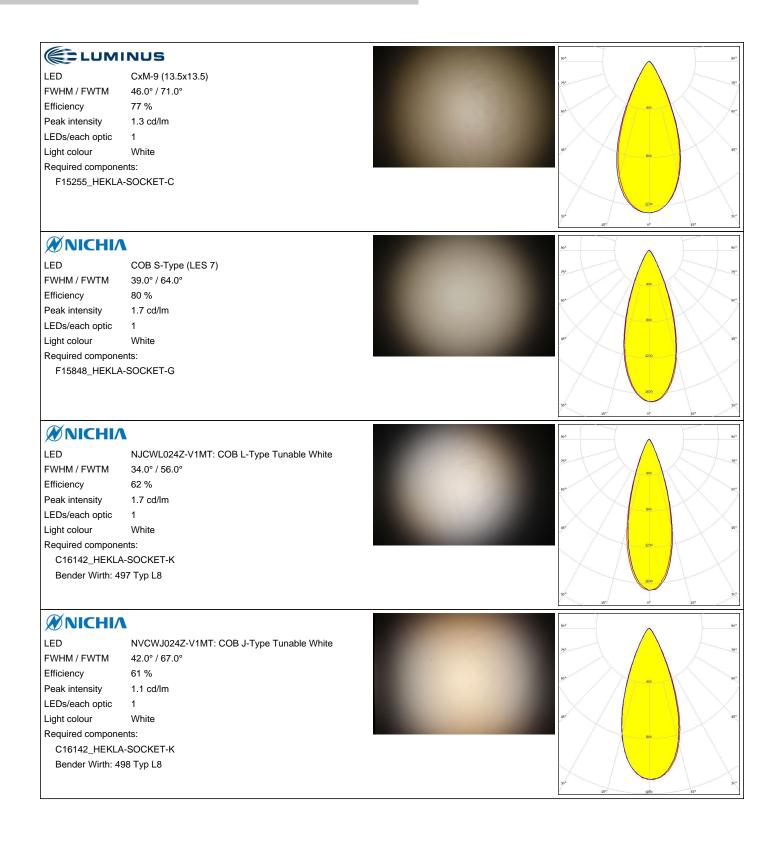


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PHOTOMETRIC DATA (MEASURED):

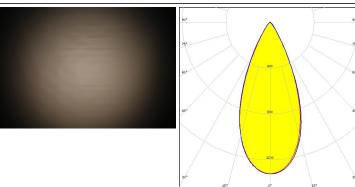
PHILIPS

LED Fortimo SLM L09 CoB

FWHM / FWTM 45.0° / 68.0°
Efficiency 76 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

F15858_HEKLA-SOCKET-H

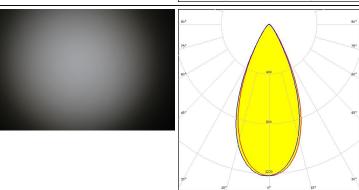
Required components:



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 47.0° / 73.0°
Efficiency 77 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

 LED
 LC010C G2

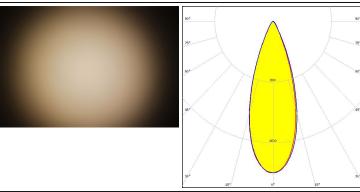
 FWHM / FWTM
 36.0° / 58.0°

 Efficiency
 80 %

 Peak intensity
 2 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C



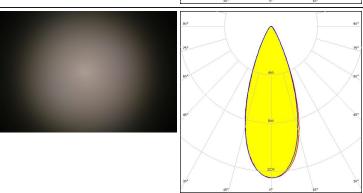
SAMSUNG

LED LC010T (Tunable White)

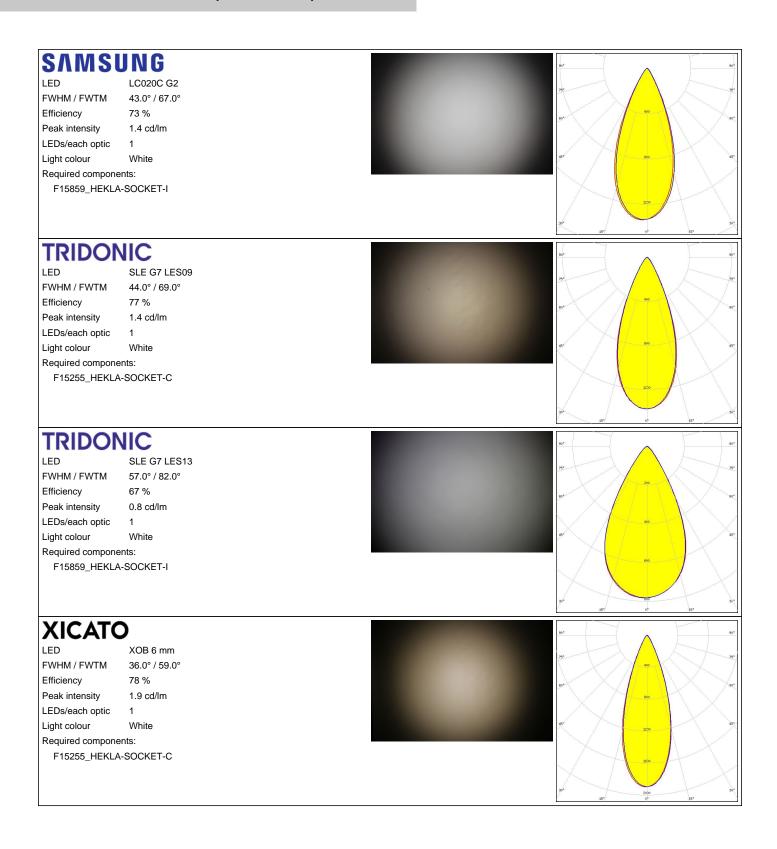
FWHM / FWTM 39.0° / 64.0°
Efficiency 61 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

Light colour Tunable White

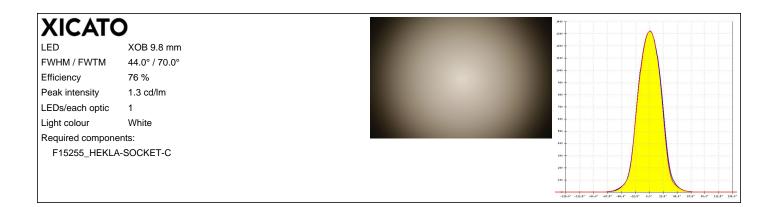
Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8





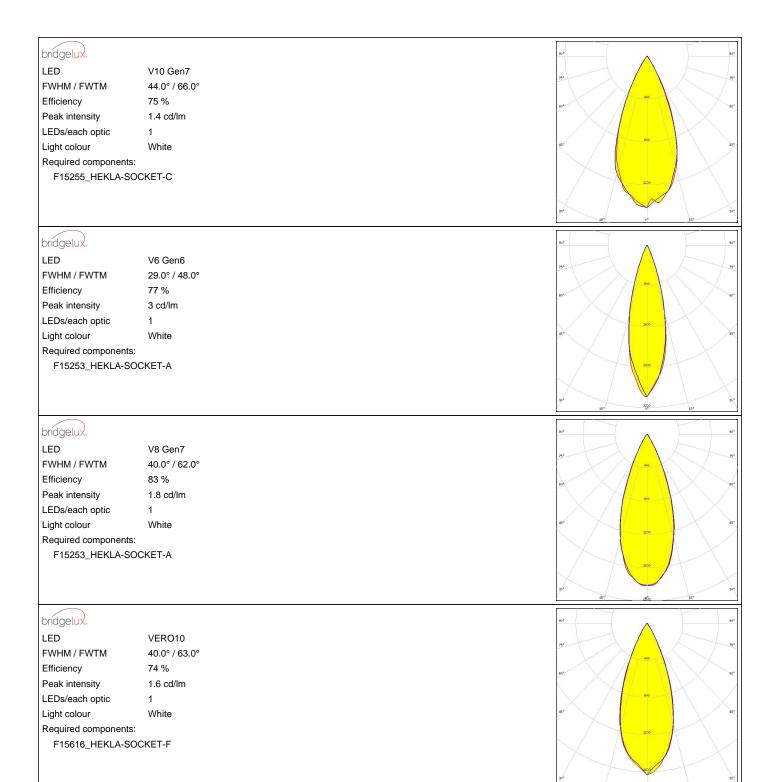








PHOTOMETRIC DATA (SIMULATED):





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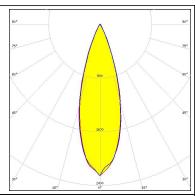


LED COB S-Type (LES 6)

FWHM / FWTM 32.0° / 52.0°
Efficiency 69 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15848_HEKLA-SOCKET-G

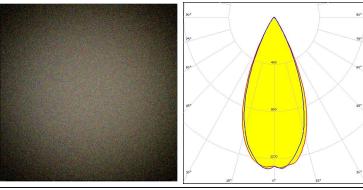


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 46.0° / 67.0°
Efficiency 71 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 44.0° / 66.0°

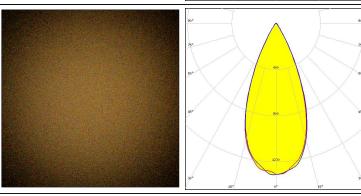
Efficiency 71 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components: F17435_HEKLA-G2-C

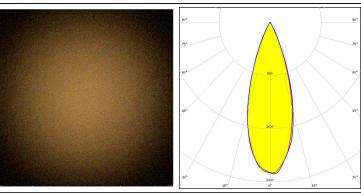


SAMSUNG

LED LC010C FWHM / FWTM 34.0° / 54.0° Efficiency 77 %

Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C





PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LH231B
FWHM / FWTM 41.0° / 65.0°
Efficiency 73 %
Peak intensity 1.5 cd/lm
LEDs/each optic 7
Light colour White

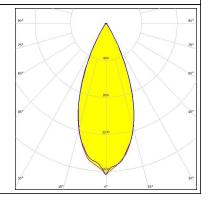
Required components:

F15255_HEKLA-SOCKET-C

XICATO

LED XTM - 9mm LES
FWHM / FWTM 42.0° / 63.0°
Efficiency 79 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C15743_XTM-ADAPTER-50-B





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

Joensuunkatu 13 FI-24240 SALO Finland

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

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