

CARMEN-50-W-C

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

SPECIFICATION:

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



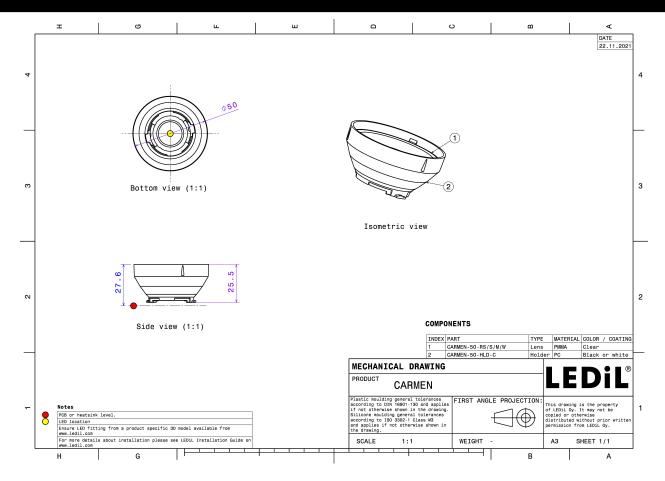
MATERIALS:

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

ORDERING INFORMATION:

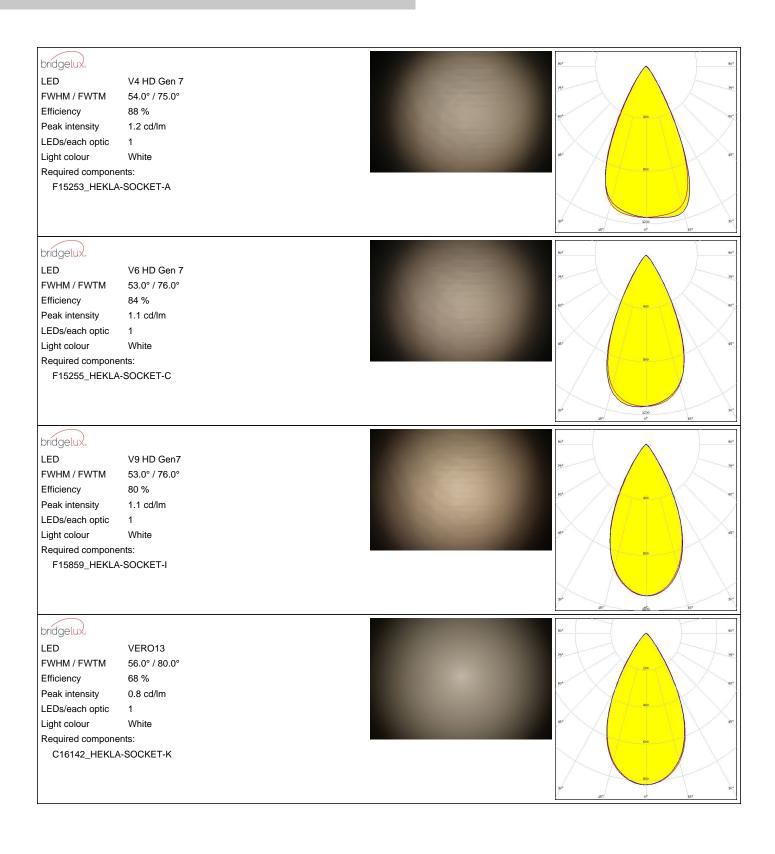
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16109_CARMEN-50-W-C	Single lens	308	112	28	5.7
» Box size: 476 x 273 x 292 mm					

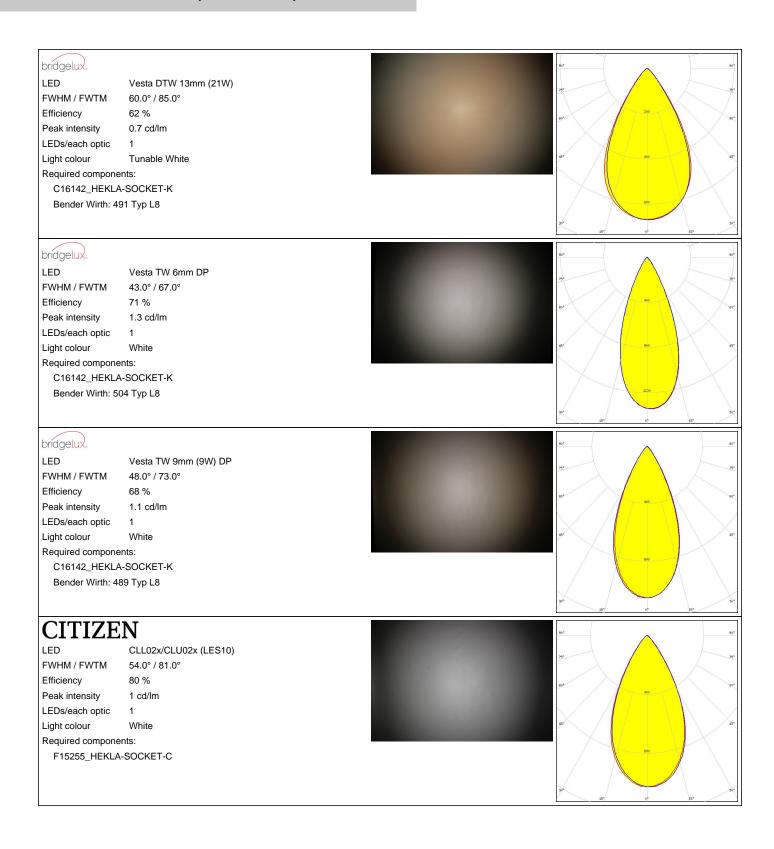




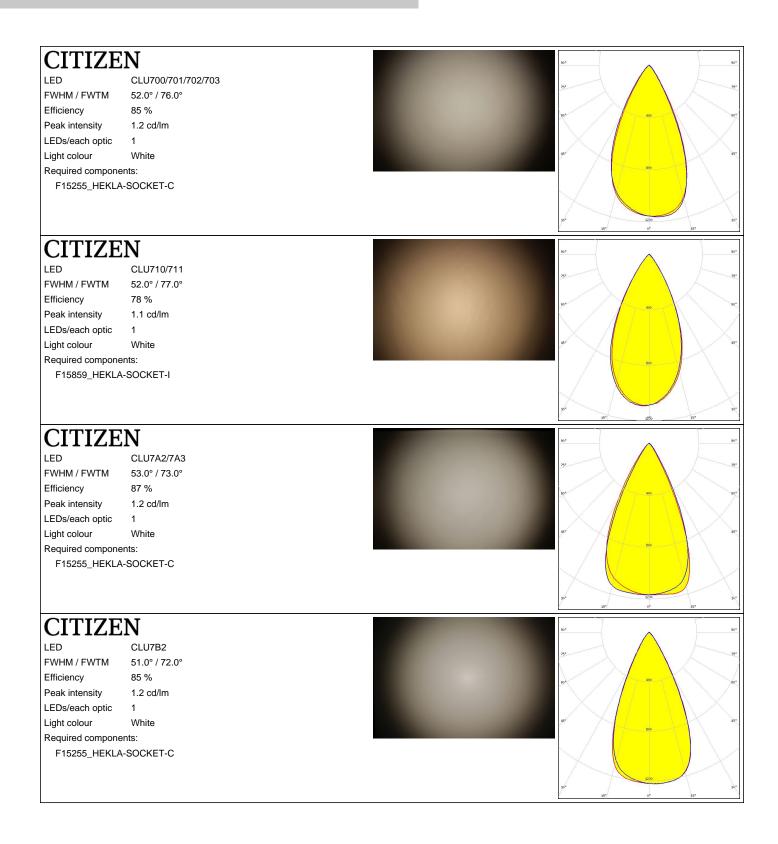
See also our general installation guide: www.ledil.com/installation_guide



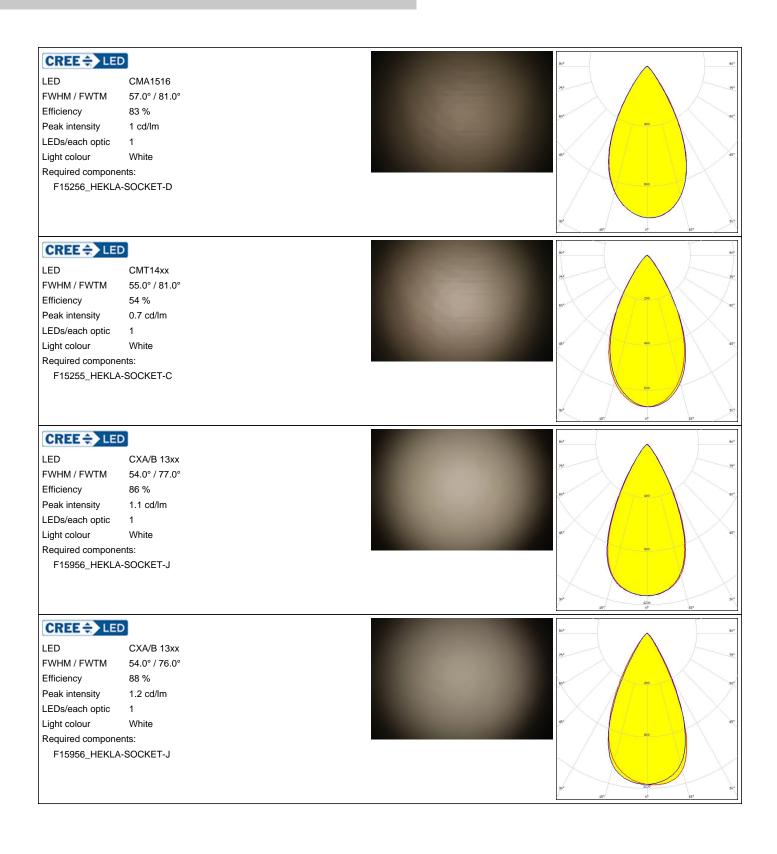




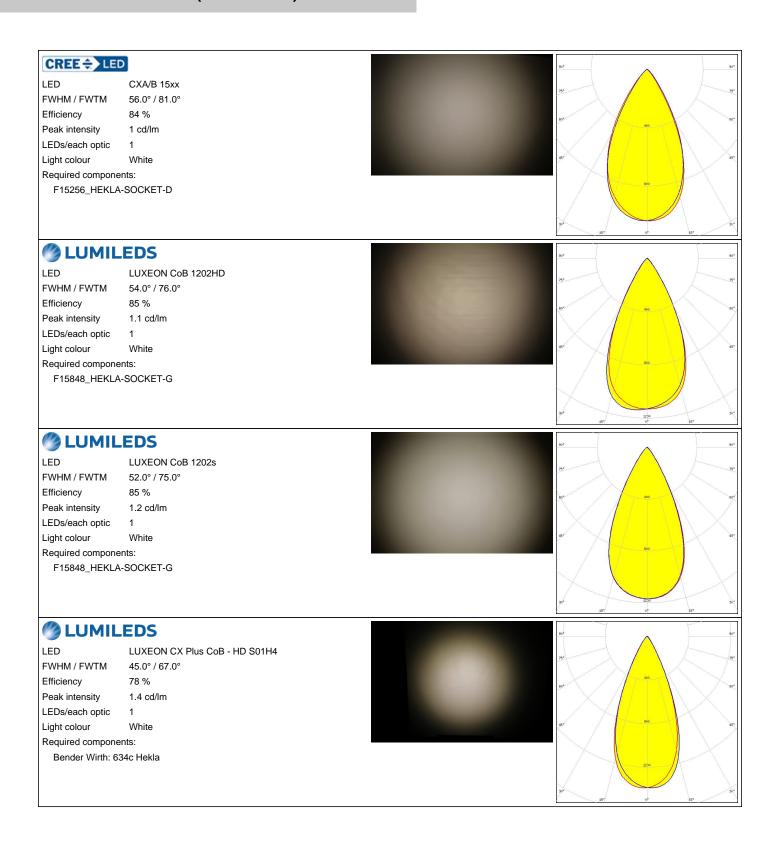


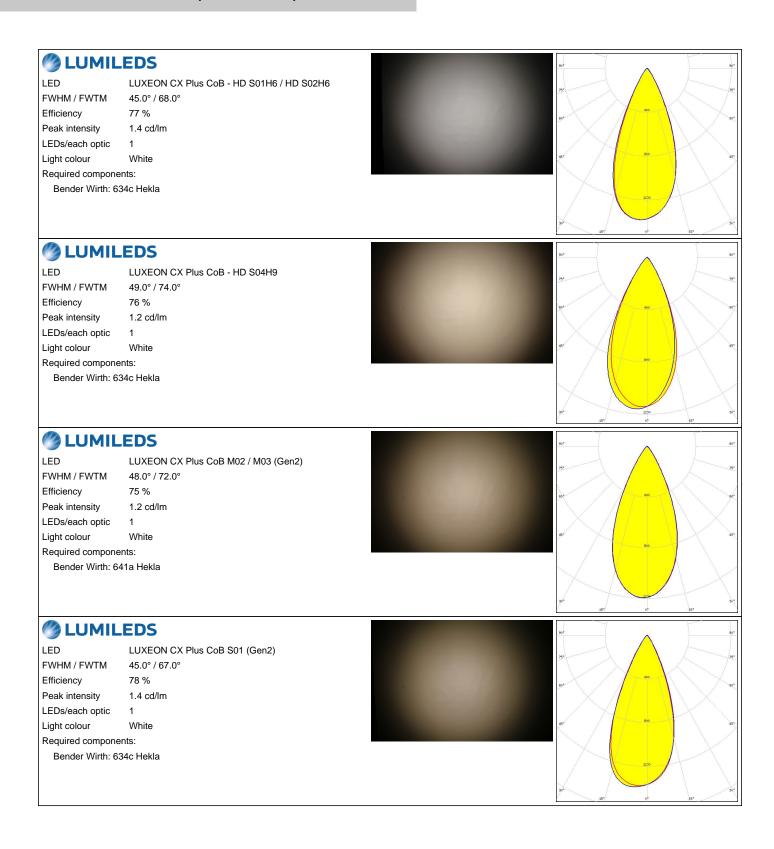


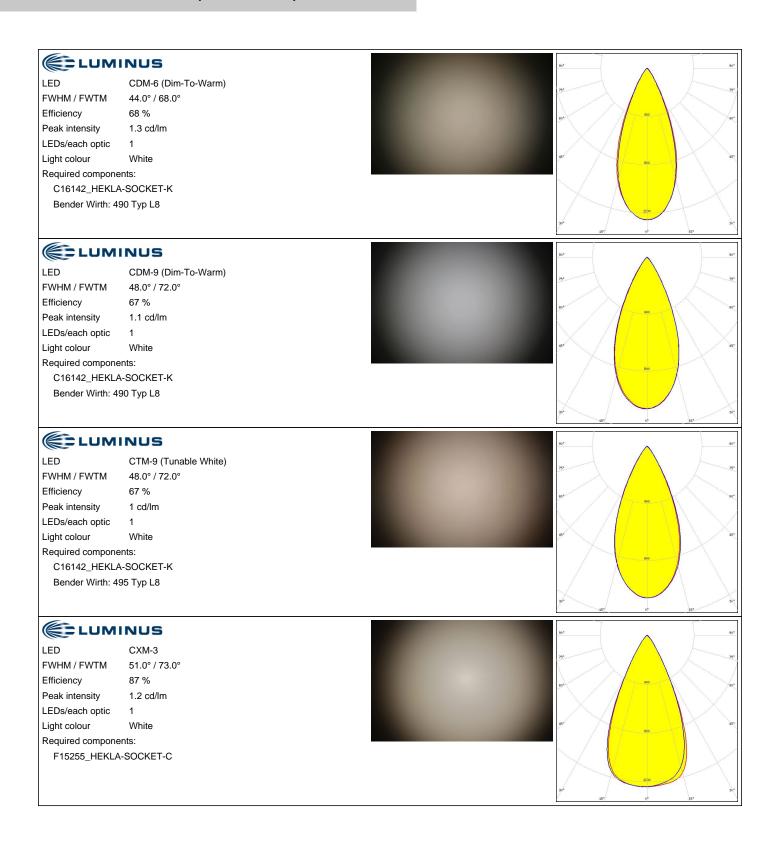


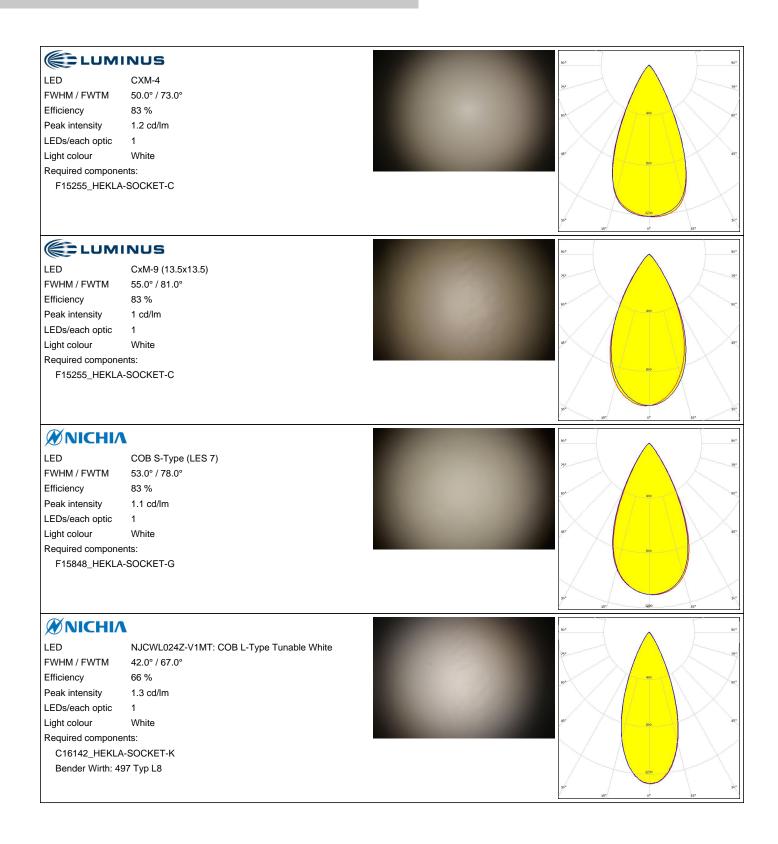






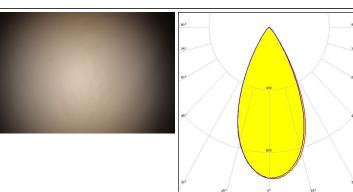






OPTICAL RESULTS (MEASURED):



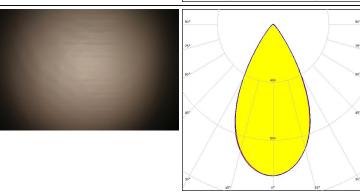


PHILIPS

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

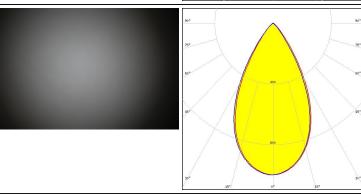


SAMSUNG

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

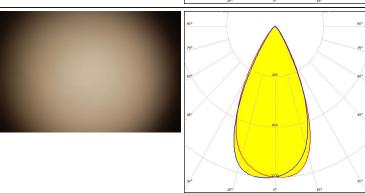


SAMSUNG

LED LC010C G2
FWHM / FWTM 51.0° / 74.0°
Efficiency 85 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15255_HEKLA-SOCKET-C





SAMSUNG

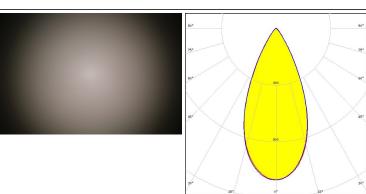
LED LC010T (Tunable White)

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

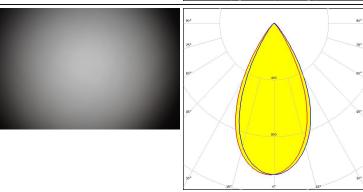


SAMSUNG

LED LC020C G2
FWHM / FWTM 53.0° / 77.0°
Efficiency 79 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I



TRIDONIC

 LED
 SLE G7 LES09

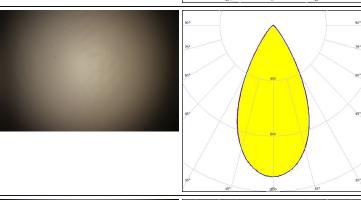
 FWHM / FWTM
 53.0° / 79.0°

 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

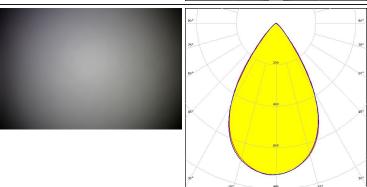
 FWHM / FWTM
 64.0° / 87.0°

 Efficiency
 73 %

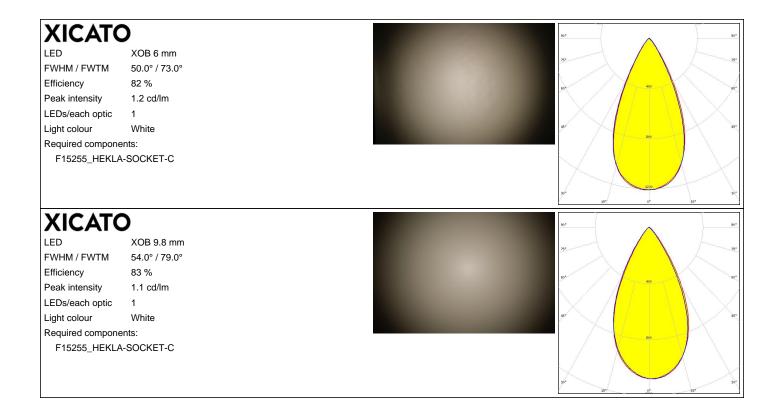
 Peak intensity
 0.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I

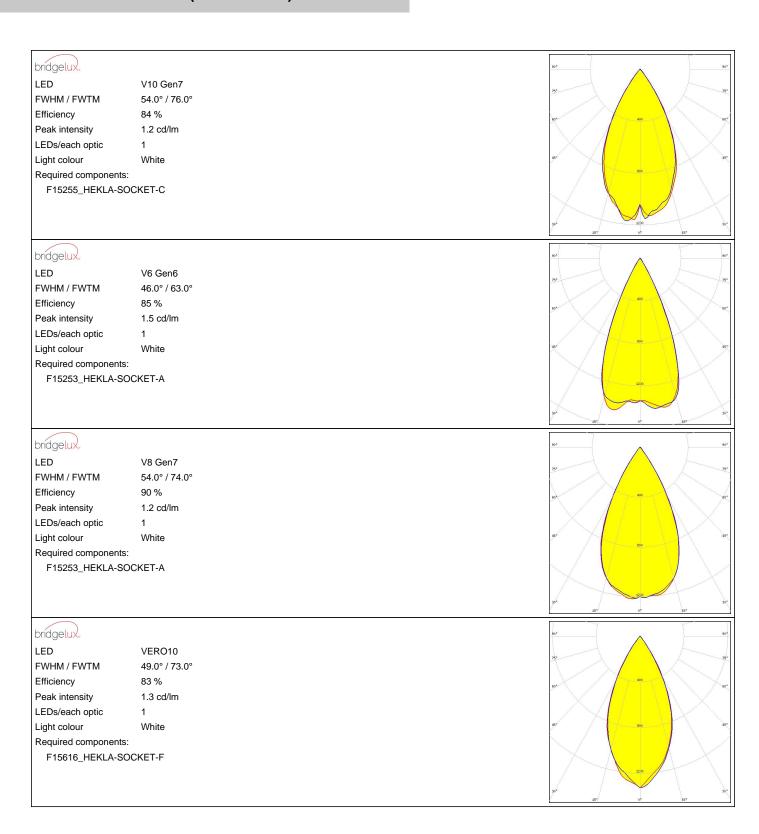








OPTICAL RESULTS (SIMULATED):



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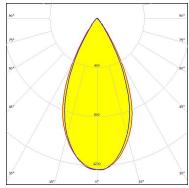
WNICHIA

LED COB L-Type (LES 11)

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

Required components:

F15858_HEKLA-SOCKET-H



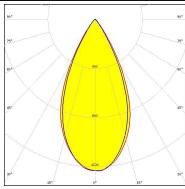
WNICHIA

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



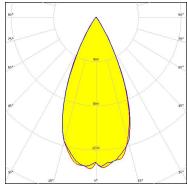
WNICHIA

LED COB S-Type (LES 6)

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

LEDs/each optic 1
Light colour White
Required components:

F15848_HEKLA-SOCKET-G

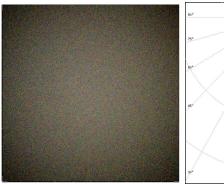


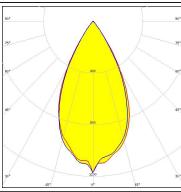
SAMSUNG

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







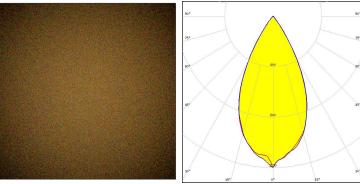
OPTICAL RESULTS (SIMULATED):

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

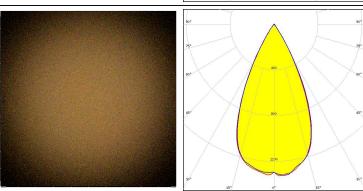
Required components: F17435_HEKLA-G2-C



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

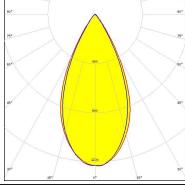


SAMSUNG

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:

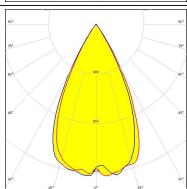
F15255_HEKLA-SOCKET-C





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



OPTICAL RESULTS (SIMULATED):



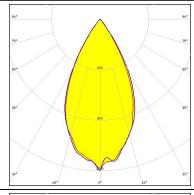
LED MJT COB LES 9.8

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



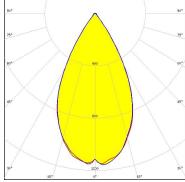
XICATO

Required components:

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

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

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