CARMEN-50-M-C

 ${\sim}35^{\circ}$ medium beam. Assembly with holder C compatible with LEDiL HEKLA.

SPECIFICATION:

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



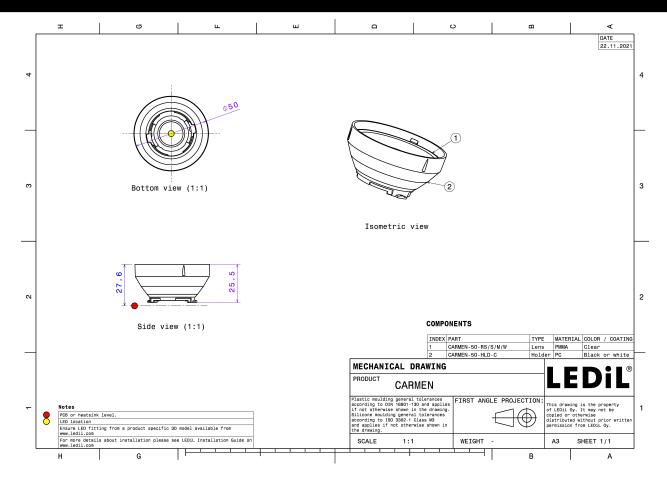
MATERIALS:

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

ORDERING INFORMATION:

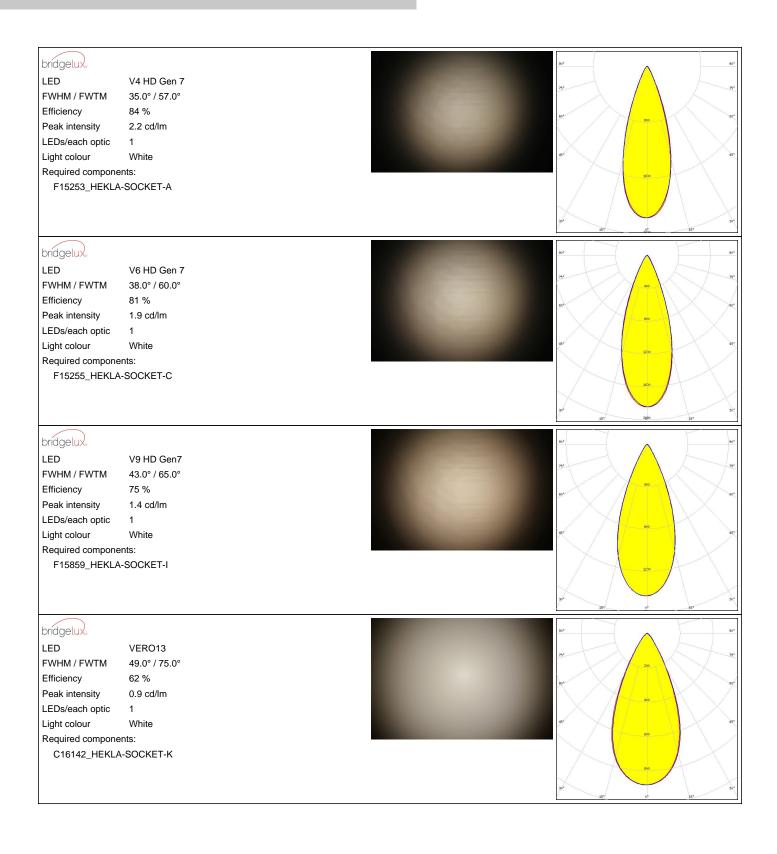
| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CP16108_CARMEN-50-M-C | Single lens | 308 | 112 | 28 | 5.9 |
| » Box size: 476 x 273 x 292 mm | | | | | |



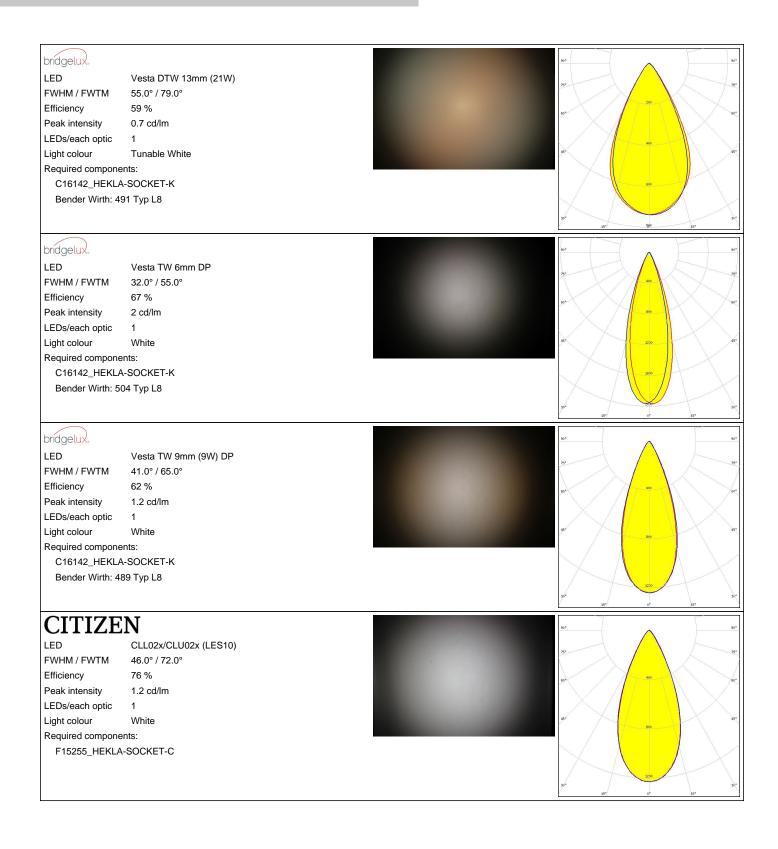


See also our general installation guide: www.ledil.com/installation_guide

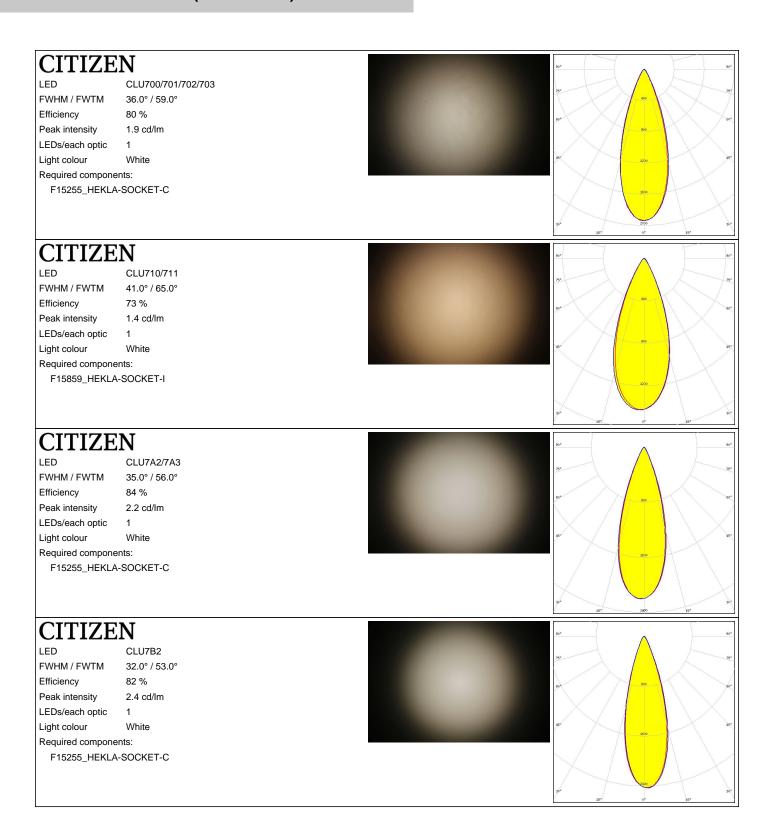




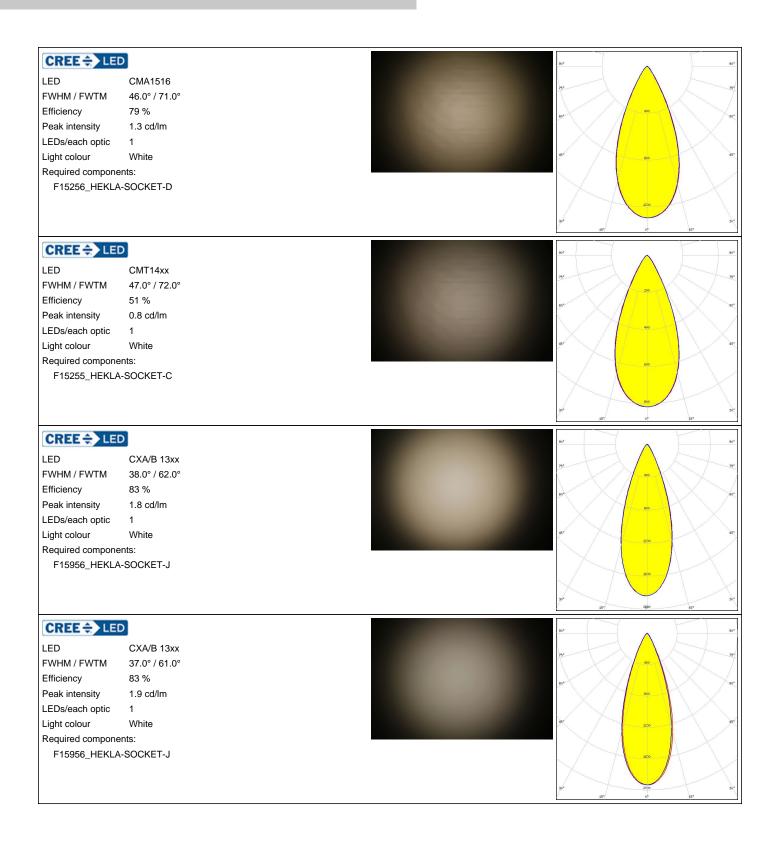




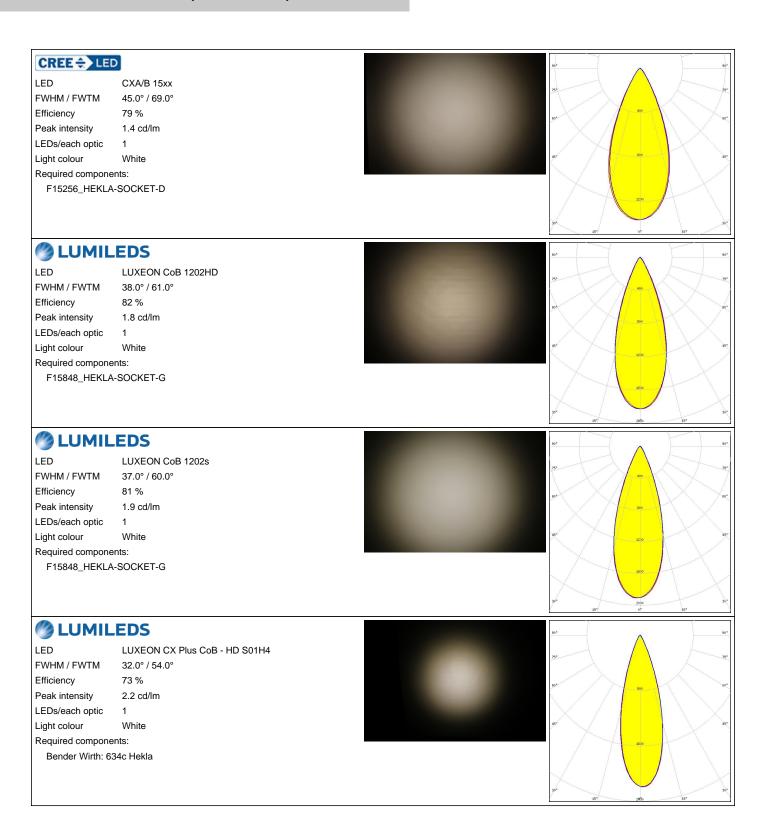


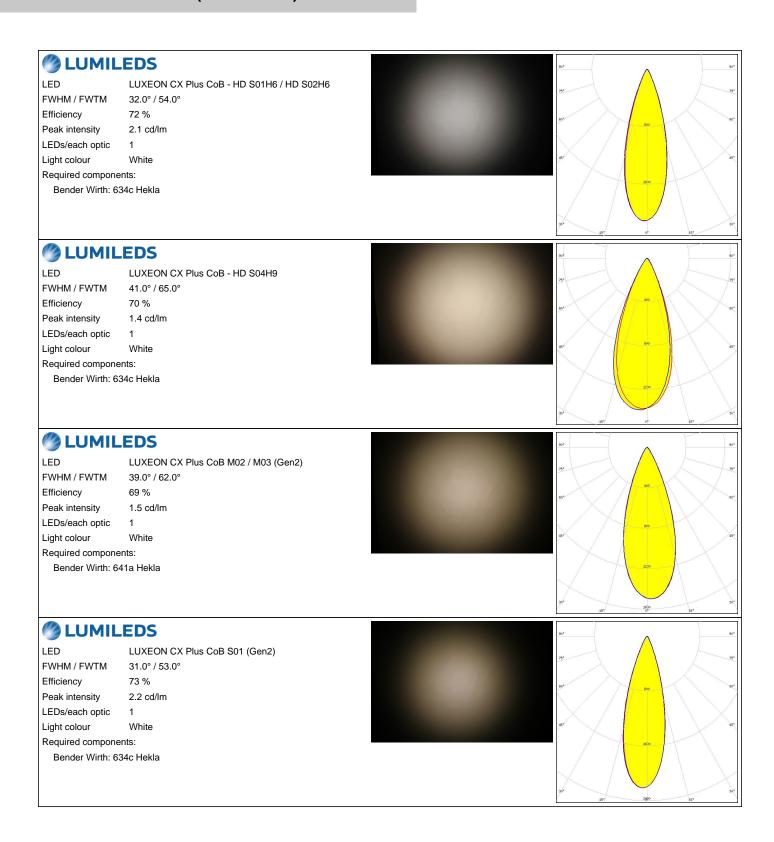


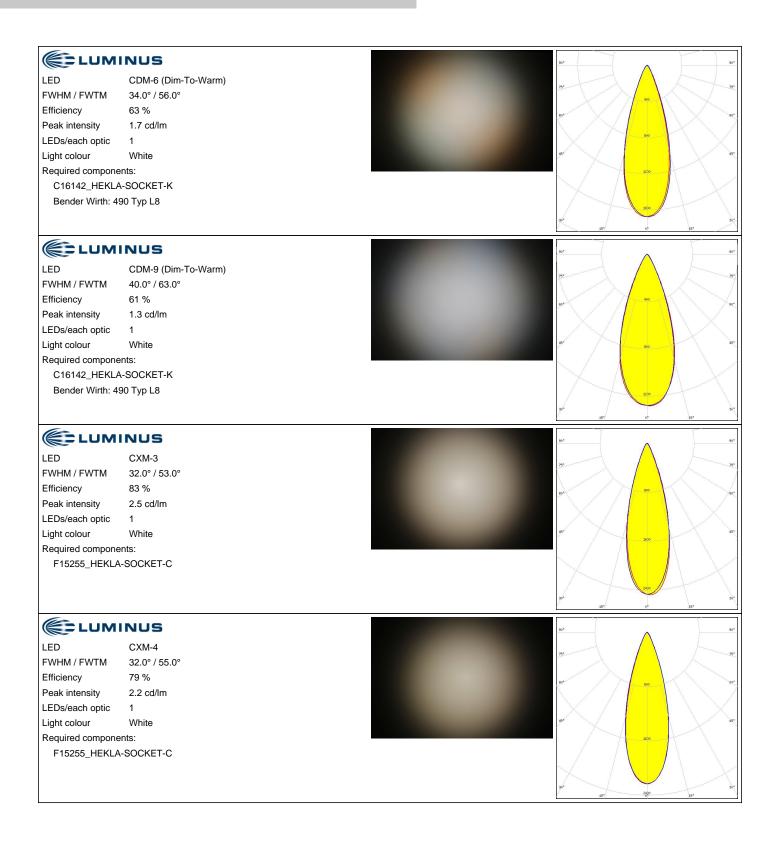


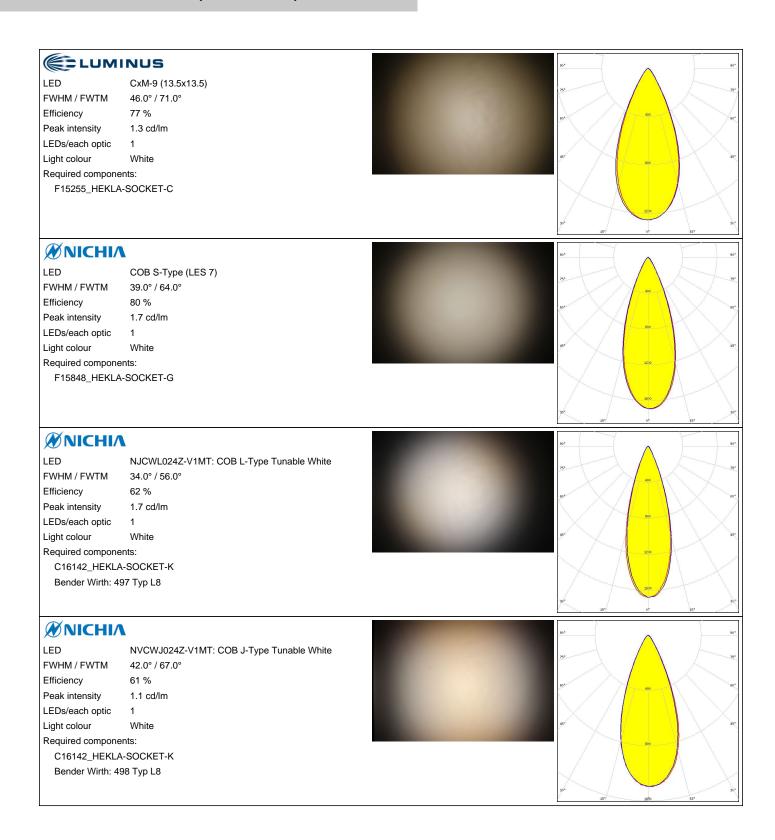














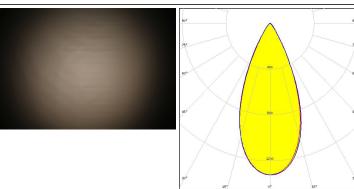
PHILIPS

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

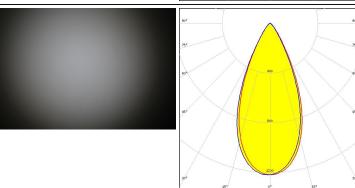
Required components:



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:

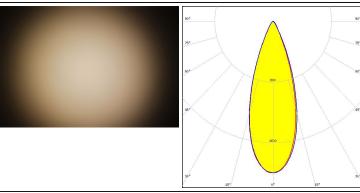


SAMSUNG

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



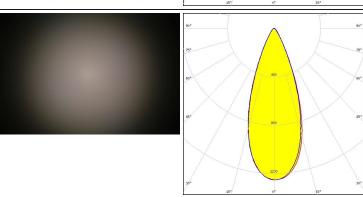
SAMSUNG

LED LC010T (Tunable White)

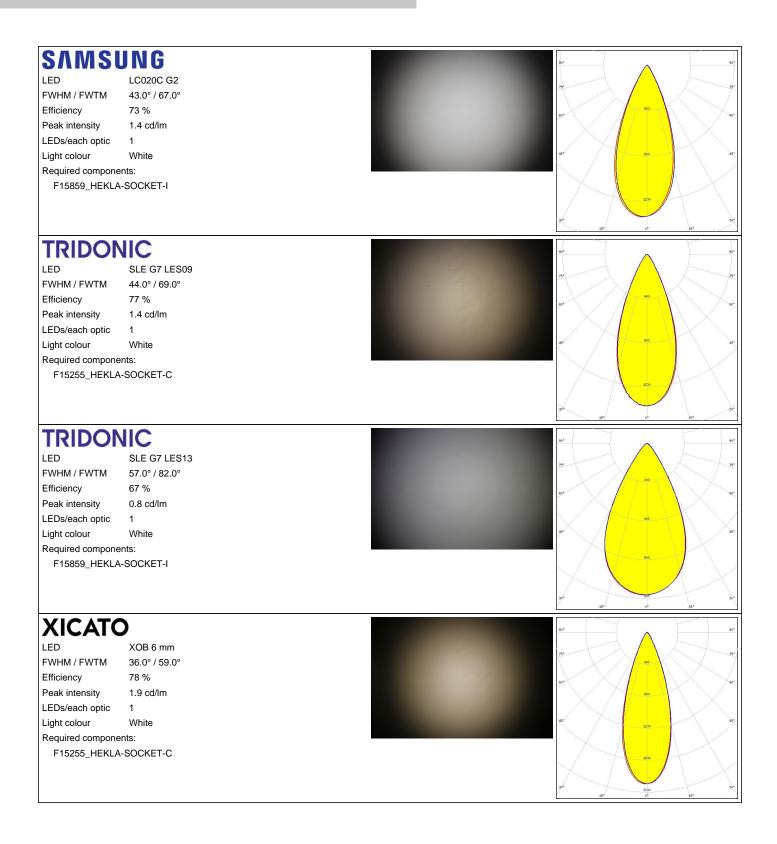
FWHM / FWTM 39.0° / 64.0°
Efficiency 61 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

Light colour Tunable White

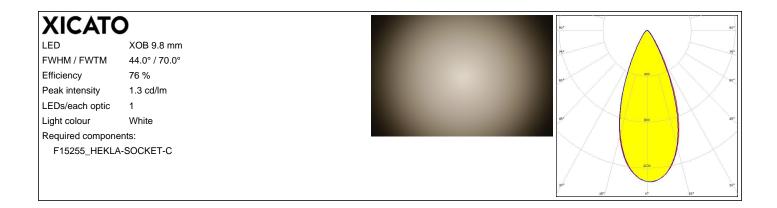
Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8









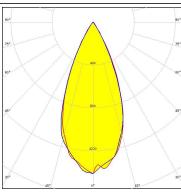




OPTICAL RESULTS (SIMULATED):

| LED | V10 Gen7 |
|----------------------|---------------|
| FWHM / FWTM | 44.0° / 66.0° |
| Efficiency | 75 % |
| Peak intensity | 1.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

F15255_HEKLA-SOCKET-C

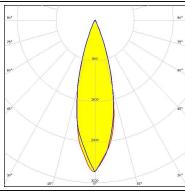


bridgelux.

bridgelux

LED V6 Gen6
FWHM / FWTM 29.0° / 48.0°
Efficiency 77 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

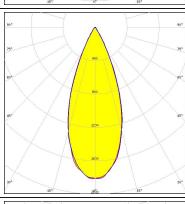
F15253_HEKLA-SOCKET-A



bridgelux

LED V8 Gen7
FWHM / FWTM 40.0° / 62.0°
Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

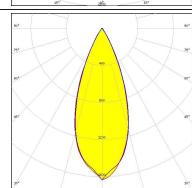
F15253_HEKLA-SOCKET-A



bridgelux.

LED VERO10
FWHM / FWTM 40.0° / 63.0°
Efficiency 74 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15616_HEKLA-SOCKET-F





OPTICAL RESULTS (SIMULATED):



LED COB S-Type (LES 6)

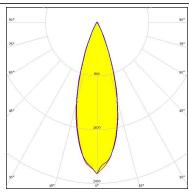
White

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

Required components:

Light colour

F15848_HEKLA-SOCKET-G



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 46.0° / 67.0°

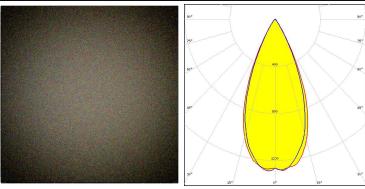
Efficiency 71 %

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°

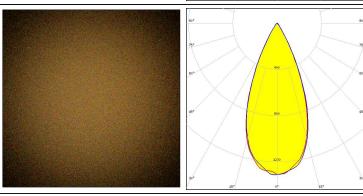
Efficiency 71 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components: F17435_HEKLA-G2-C

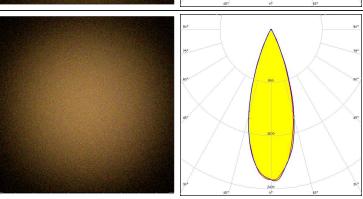


SAMSUNG

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





OPTICAL RESULTS (SIMULATED):

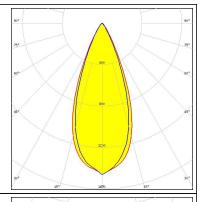
SAMSUNG

LED LH231B FWHM / FWTM 41.0° / 65.0°

Efficiency 73 %
Peak intensity 1.5 cd/lm

LEDs/each optic 7
Light colour White

F15255_HEKLA-SOCKET-C



XICATO

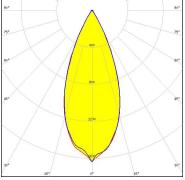
Required components:

LED XTM - 9mm LES
FWHM / FWTM 42.0° / 63.0°
Efficiency 79 %
Peak intensity 1.6 cd/lm

Peak intensity 1.6 cd 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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