

CARMEN-S-C

~14° spot beam. Assembly with holder C compatible with LEDiL HEKLA.

SPECIFICATION:

| Dimensions | Ø 69.5 mm |
|----------------|-----------|
| Height | 41.5 mm |
| Fastening | socket |
| ROHS compliant | yes 🛈 |



MATERIALS:

| Component | Туре | Material | Colour | Finish |
|--------------|-------------|----------|--------|--------|
| CARMEN-S | Single lens | PMMA | clear | |
| CARMEN-HLD-C | Holder | PC | black | |

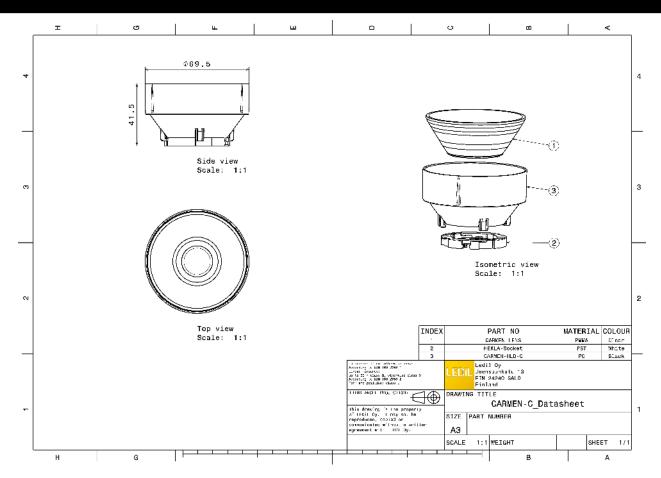
ORDERING INFORMATION:

» Box size: 476 x 273 x 292 mm

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------|-------------|------------|-----|-----|-----------------|
| CP15774_CARMEN-S-C | Single lens | 150 | 150 | 15 | 4.5 |

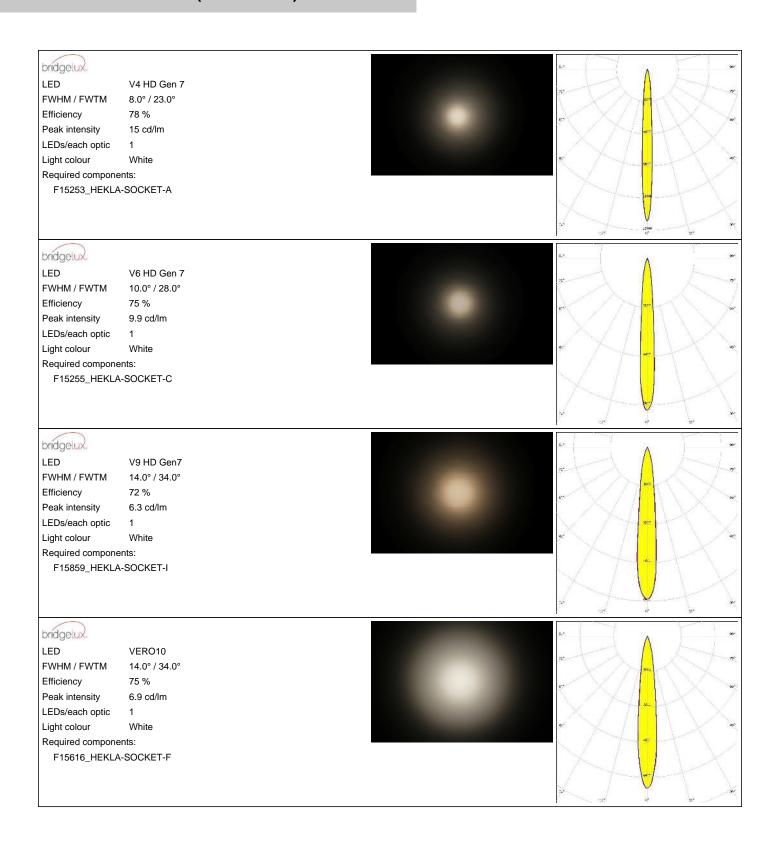


PRODUCT DATASHEET CP15774_CARMEN-S-C

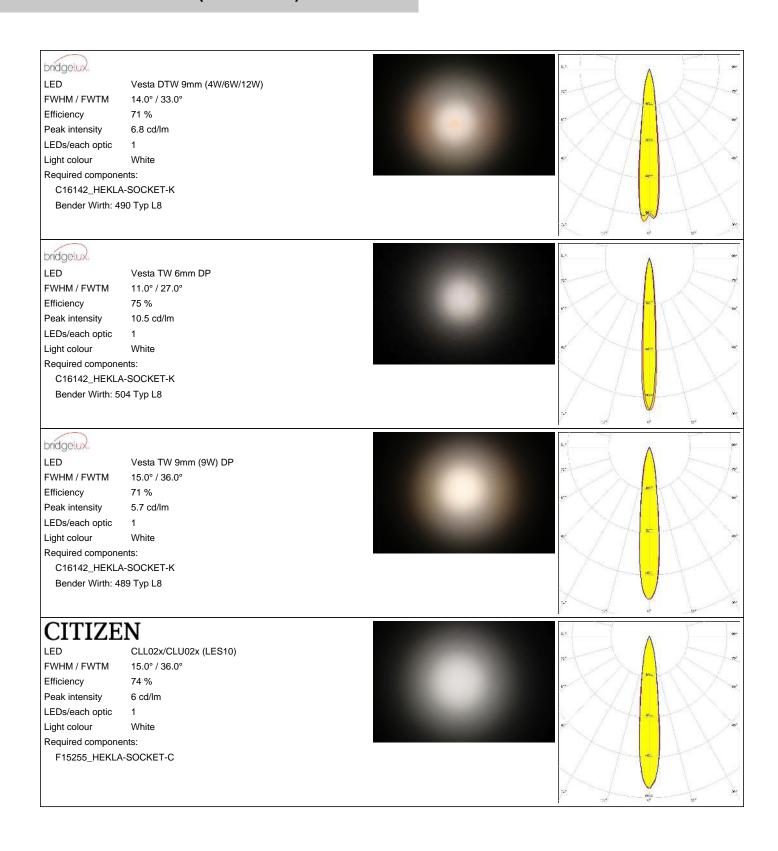


See also our general installation guide: www.ledil.com/installation_guide





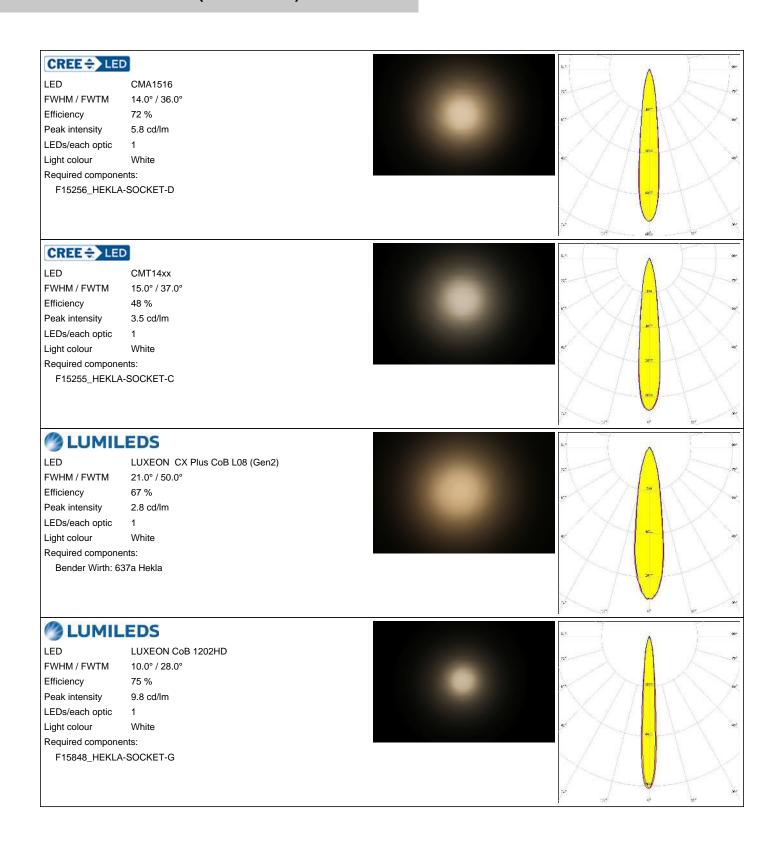




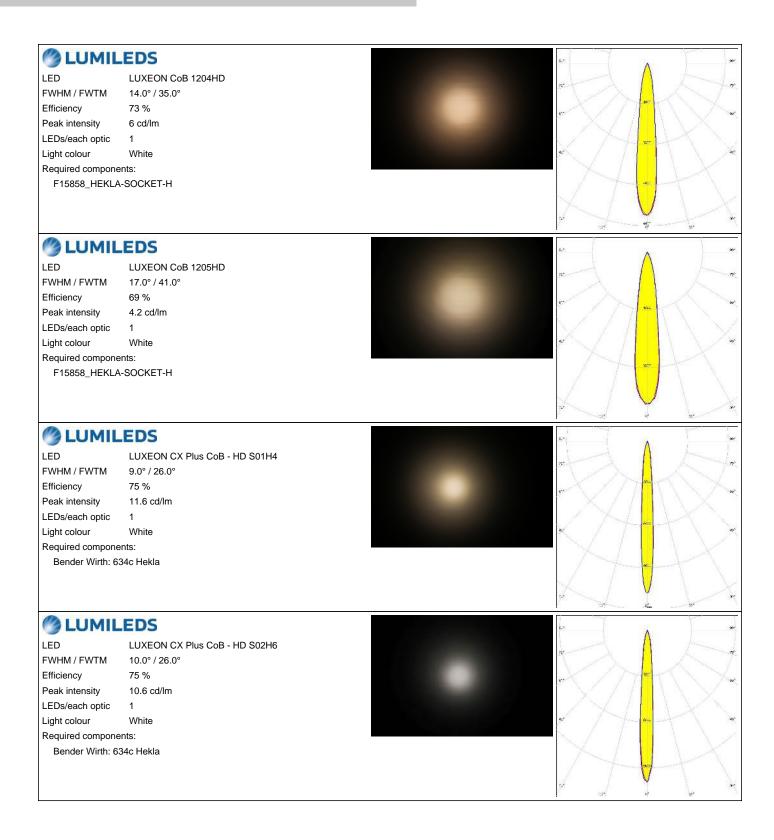


CITIZEN CLU700/701/702/703 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 10.0° / 25.0° Efficiency 78 % Peak intensity 12.7 cd/lm LEDs/each optic Light colour White Required components: F15255_HEKLA-SOCKET-C **CITIZEN** LED CLU710/711 FWHM / FWTM 13.0° / 33.0° Efficiency 73 % Peak intensity 7.2 cd/lm LEDs/each optic 1 White Light colour Required components: F15859_HEKLA-SOCKET-I **CITIZEN** CLU7A2/7A3 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 7.0° / 20.0° Efficiency 80 % Peak intensity 18.5 cd/lm LEDs/each optic Light colour White Required components: F15255_HEKLA-SOCKET-C **CITIZEN** CLU7B2 FWHM / FWTM 6.0° / 19.0° Efficiency 80 % Peak intensity 21.7 cd/lm LEDs/each optic White Light colour Required components: F15255_HEKLA-SOCKET-C

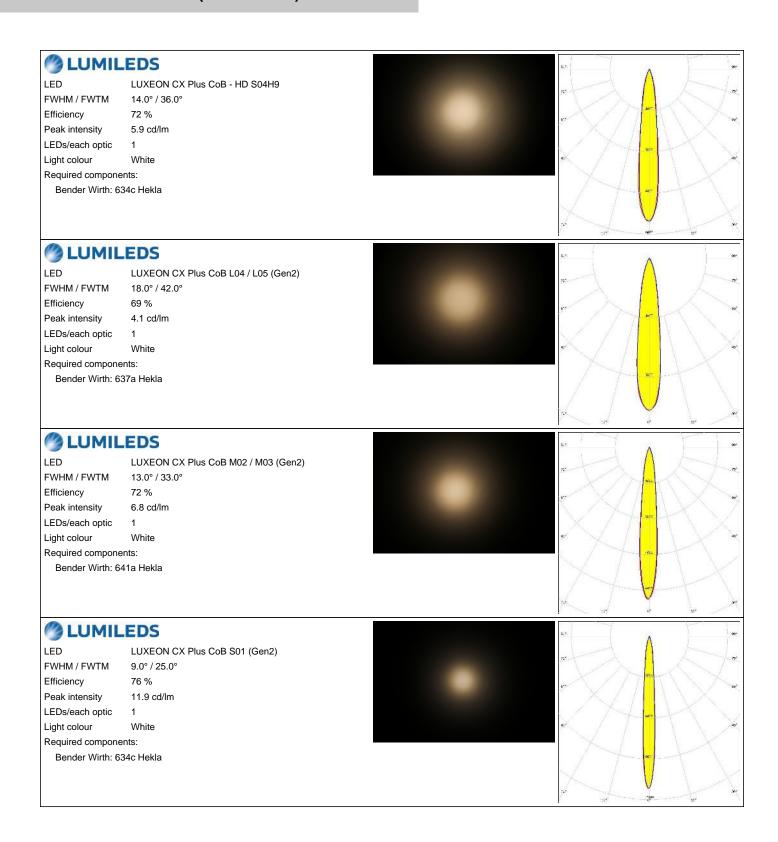




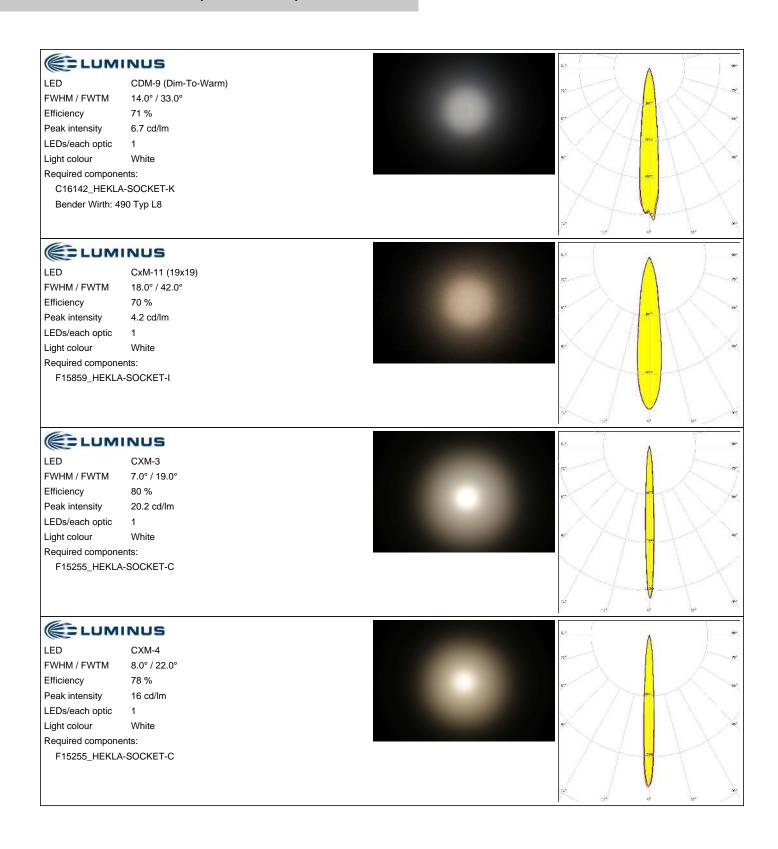




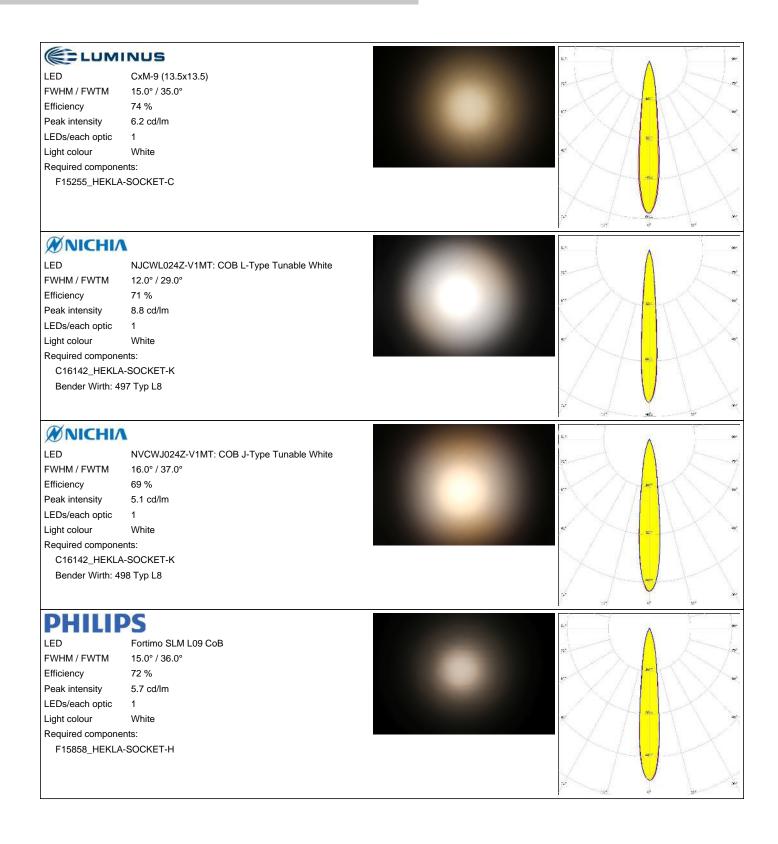












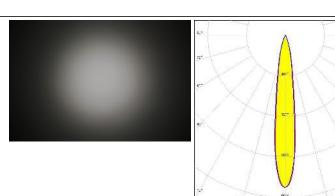


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 15.0° / 36.0°
Efficiency 74 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C



SAMSUNG

 LED
 LC010C G2

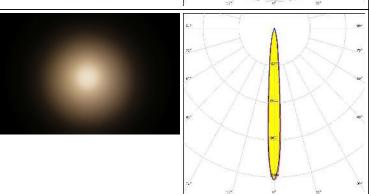
 FWHM / FWTM
 9.0° / 24.0°

 Efficiency
 77 %

 Peak intensity
 13.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C



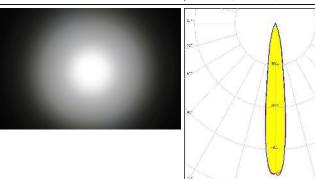
SAMSUNG

LED LC010T (Tunable White)

FWHM / FWTM 15.0° / 35.0° Efficiency 71 % Peak intensity 5.8 cd/lm LEDs/each optic 1

Light colour Tunable White

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

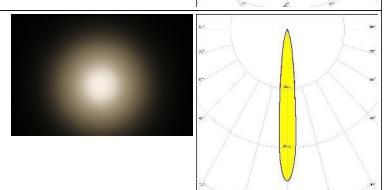


SAMSUNG

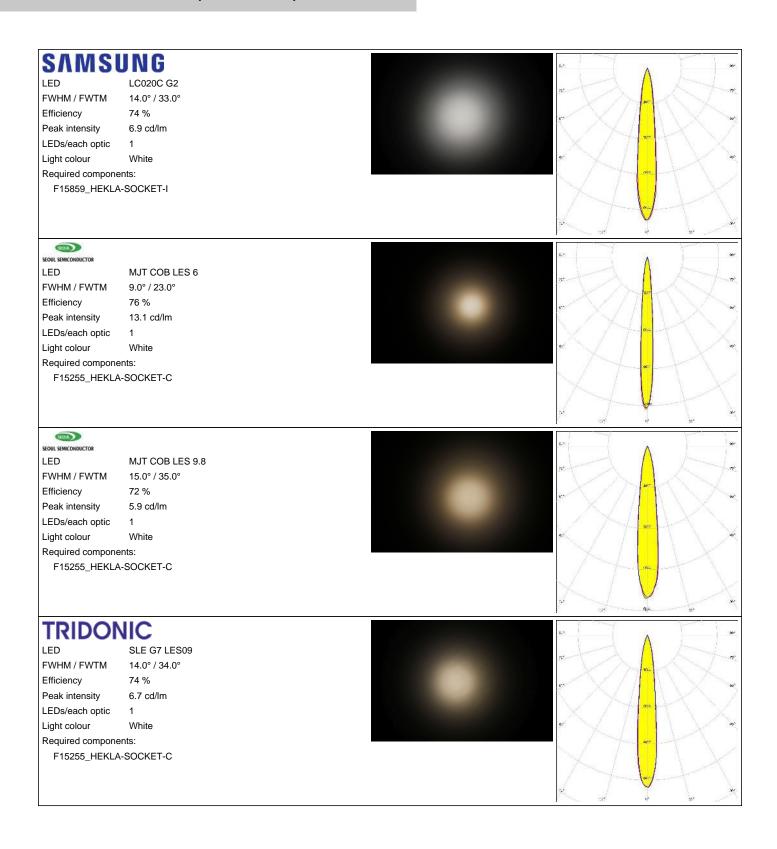
LED LC020C
FWHM / FWTM 12.0° / 31.0°
Efficiency 76 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour White

F15848_HEKLA-SOCKET-G

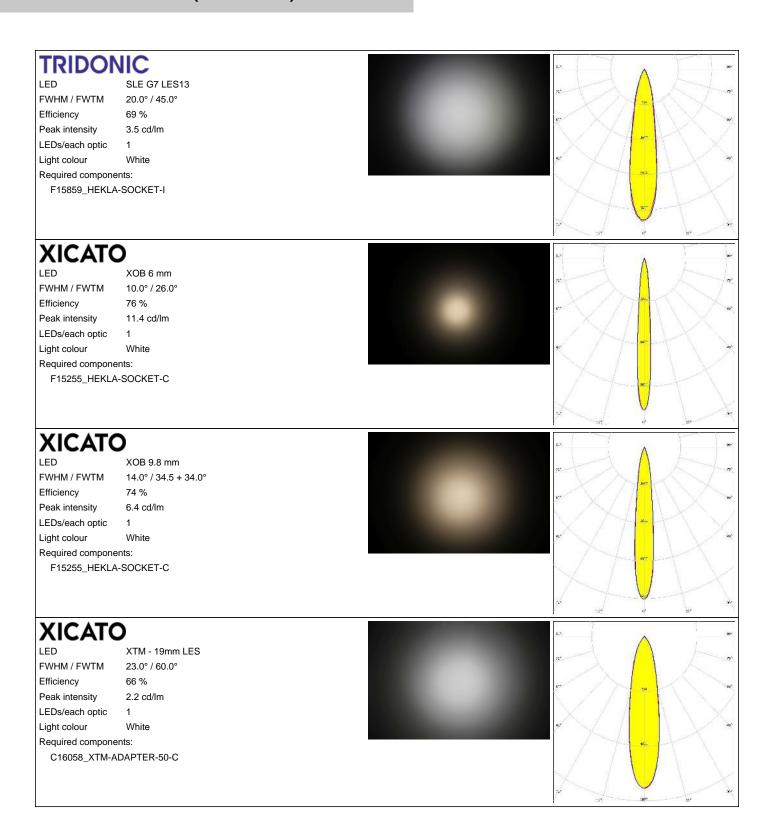
Required components:













bridgelux

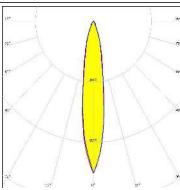
LED VERO13 FWHM / FWTM 16.0° / 42.0°

Efficiency 70 % Peak intensity 4 cd/lm

LEDs/each optic 1
Light colour White

Required components:

C16142_HEKLA-SOCKET-K



CITIZEN

LED CLL02x/CLU02x (LES10)

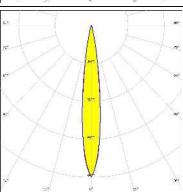
FWHM / FWTM 14.0° / 26.0°
Efficiency 50 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1

Light colour 1

Light colour White

Required components:

F15859_HEKLA-SOCKET-I C16752_CARMEN-70-SHD



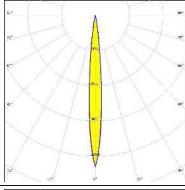
CITIZEN

LED CLU700/701/702/703

FWHM / FWTM 10.0° / 19.0° Efficiency 54 % Peak intensity 13.8 cd/lm

LEDs/each optic 1
Light colour White

Required components: F15255_HEKLA-SOCKET-C C16752_CARMEN-70-SHD



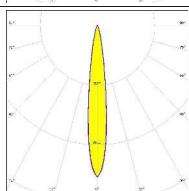
CITIZEN

LED CLU712/713 FWHM / FWTM 14.0° / 30.0°

Efficiency 75 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15859_HEKLA-SOCKET-I





CITIZEN

LED CLU712/713

FWHM / FWTM 12.0° / 24.0°

Efficiency 51 %

Peak intensity 7.6 cd/lm

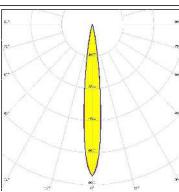
LEDs/each optic 1

Light colour White

Required components:

F15859_HEKLA-SOCKET-I

C16752_CARMEN-70-SHD



CITIZEN

LED CLU7A2/7A3

FWHM / FWTM 8.0° / 16.0°

Efficiency 55 %

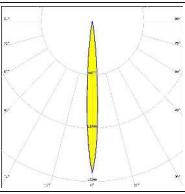
Peak intensity 18.2 cd/lm LEDs/each optic 1

Light colour White

Required components:

F15255_HEKLA-SOCKET-C

C16752_CARMEN-70-SHD



CREE = LED

LED CMA1840

FWHM / FWTM 22.0° / 47.0°

Efficiency 66 %

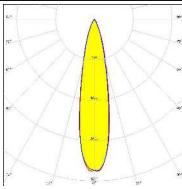
Peak intensity 3 cd/lm

LEDs/each optic 1
Light colour White

Light colour write

Required components:

Bender Wirth: 637a Hekla



CREE & LED

LED CMU15xx

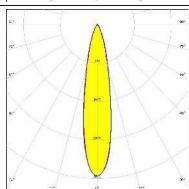
FWHM / FWTM 21.0° / 46.0°

Efficiency 65 %
Peak intensity 3.2 cd/

Peak intensity 3.2 cd/lm LEDs/each optic 1

Light colour White

Required components: F17438_HEKLA-G2-I

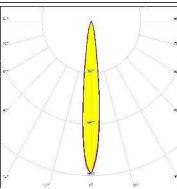




CREE - LED

LED CXA/B 15xx
FWHM / FWTM 12.9° / 28.4°
Efficiency 0 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15256_HEKLA-SOCKET-D

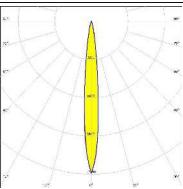


WNICHIA

LED COB T-Type
FWHM / FWTM 11.0° / 24.0°
Efficiency 78 %
Peak intensity 12.7 cd/lm
LEDs/each optic 1
Light colour White

F15848_HEKLA-SOCKET-G

Required components:

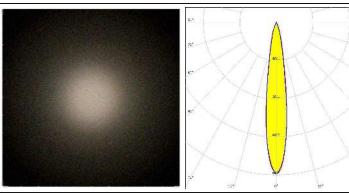


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 16.0° / 34.0°
Efficiency 73 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C

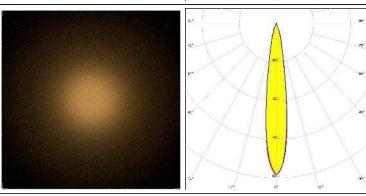


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 16.0° / 34.0°
Efficiency 73 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C

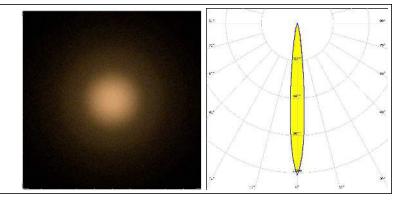




SAMSUNG

LED LC010C
FWHM / FWTM 11.0° / 24.0°
Efficiency 78 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C





PRODUCT DATASHEET CP15774_CARMEN-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.

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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