

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	Type	Material	Colour	Finish
CARMEN-S	Single lens	PMMA	clear	
CARMEN-HLD-C	Holder	PC	black	

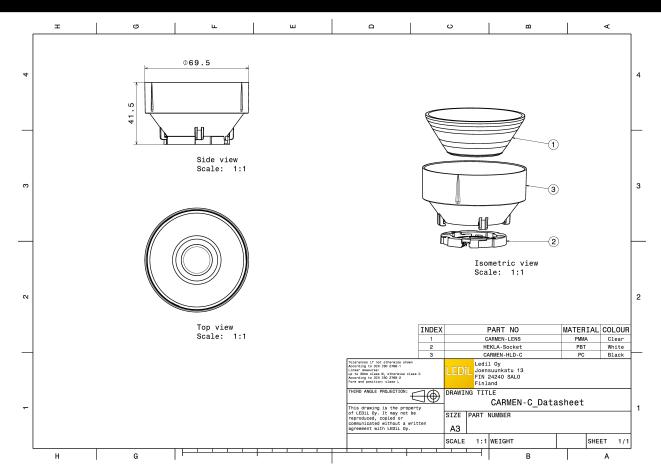
ORDERING INFORMATION:

» 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

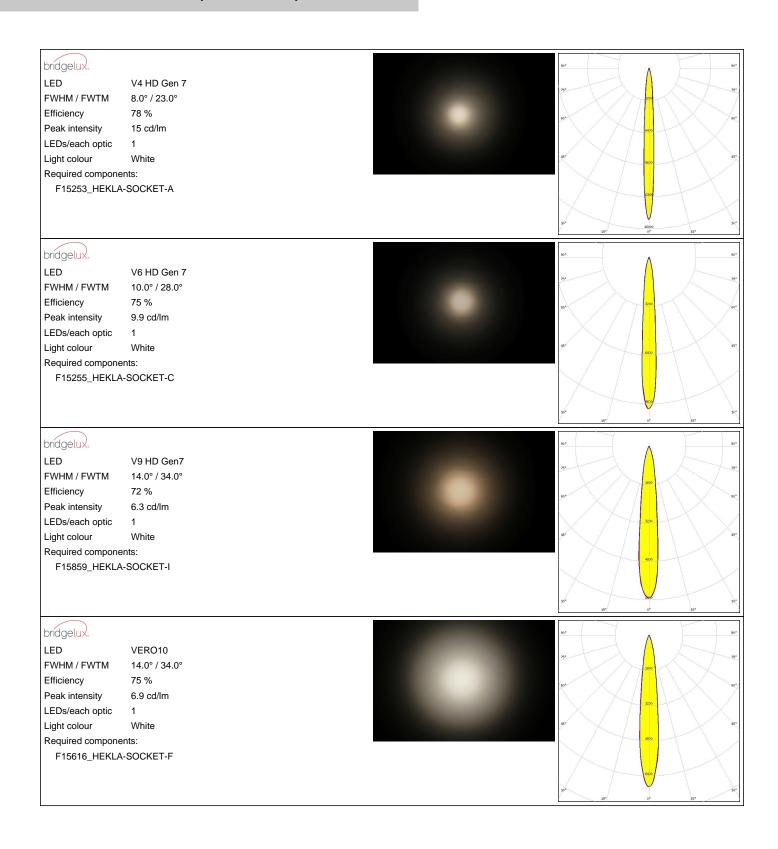


PRODUCT CP15774_CARMEN-S-C



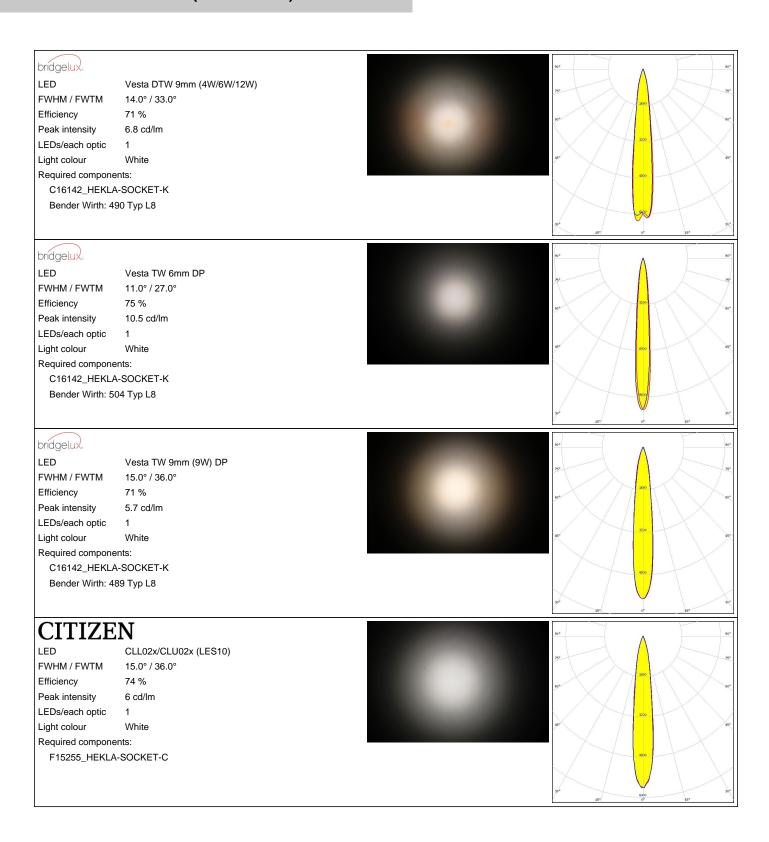
See also our general installation guide: www.ledil.com/installation_guide





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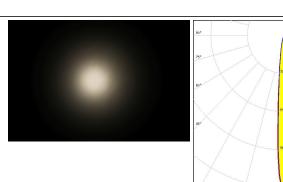


CITIZEN

LED CLU700/701/702/703

FWHM / FWTM 10.0° / 25.0°
Efficiency 78 %
Peak intensity 12.7 cd/lm
LEDs/each optic 1
Light colour White

F15255_HEKLA-SOCKET-C



CITIZEN

Required components:

 LED
 CLU710/711

 FWHM / FWTM
 13.0° / 33.0°

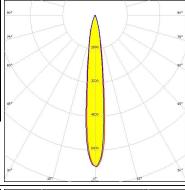
 Efficiency
 73 %

 Peak intensity
 7.2 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I





CITIZEN

 LED
 CLU7A2/7A3

 FWHM / FWTM
 7.0° / 20.0°

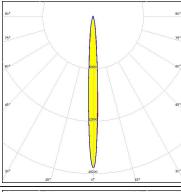
 Efficiency
 80 %

 Peak intensity
 18.5 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





CITIZEN

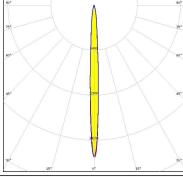
LED CLU7B2
FWHM / FWTM 6.0° / 19.0°
Efficiency 80 %

Peak intensity 21.7 cd/lm

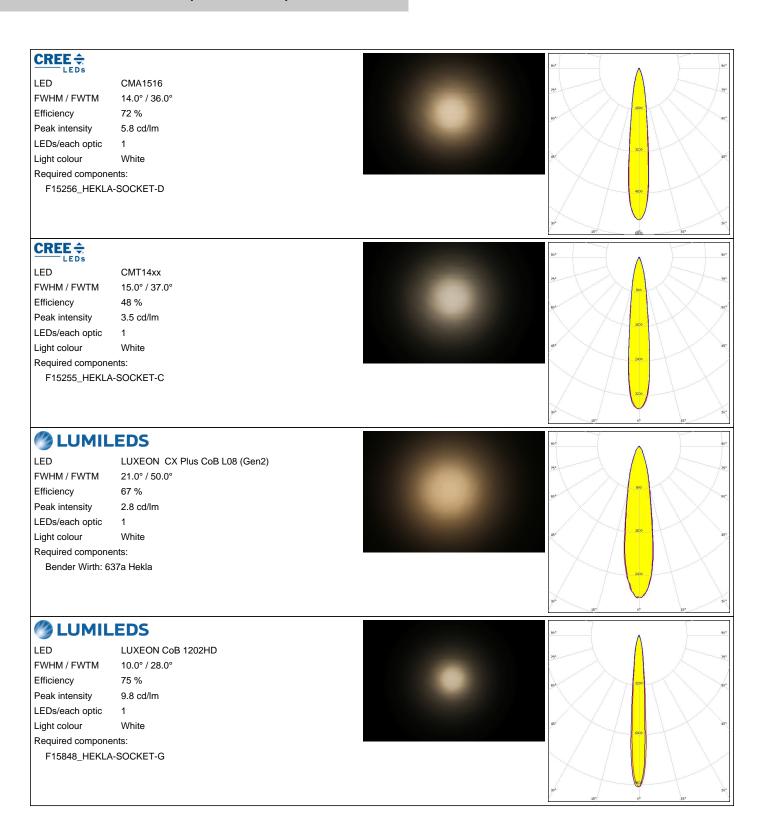
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C

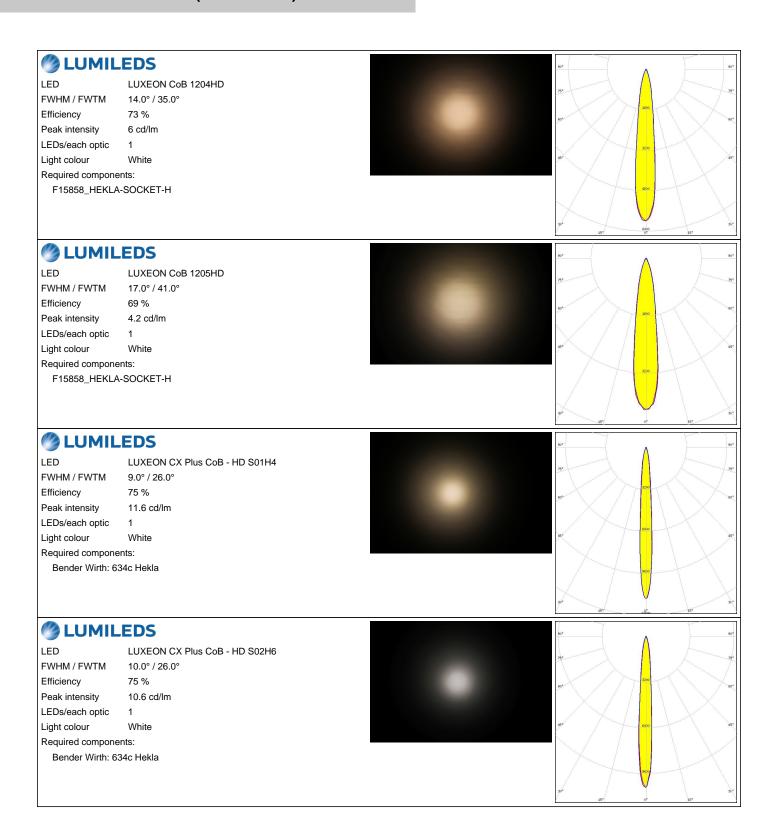




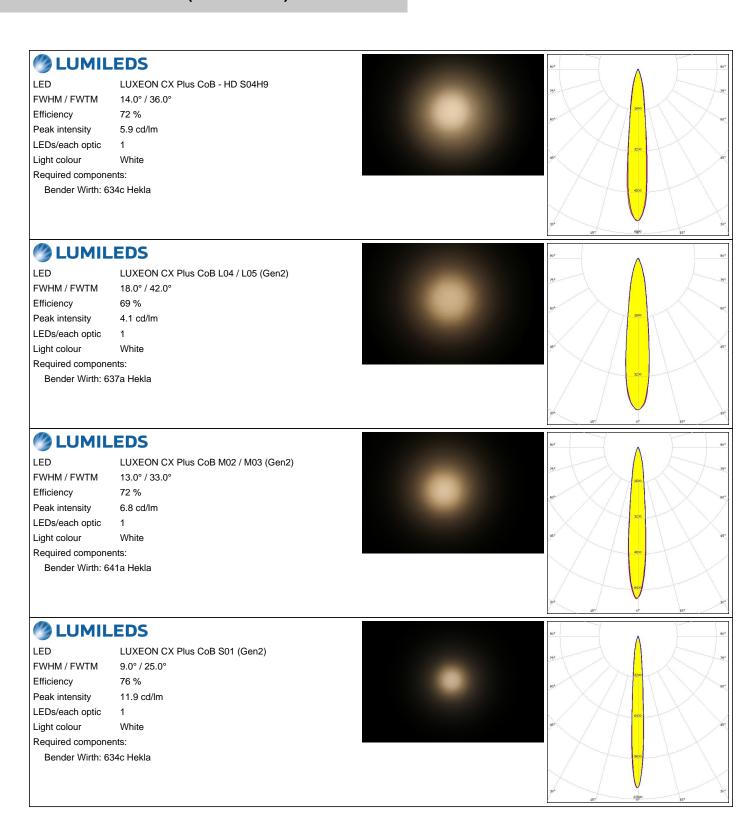




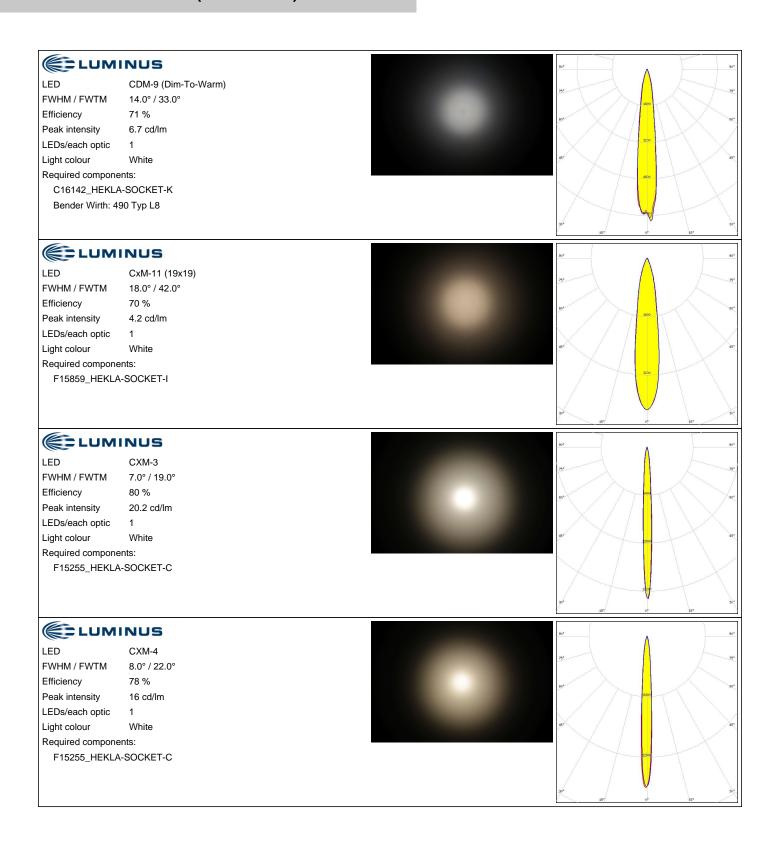




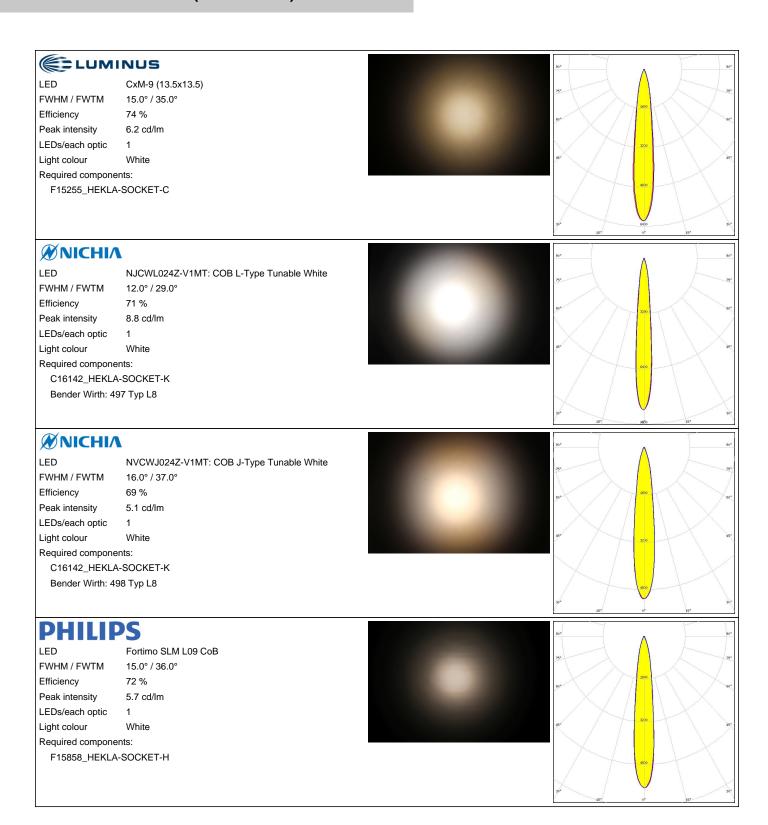














SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

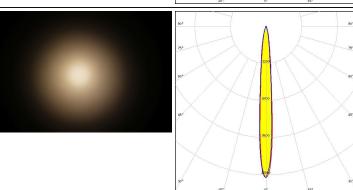
FWHM / FWTM 15.0° / 36.0°
Efficiency 74 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

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



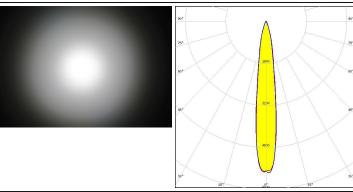
SAMSUNG

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

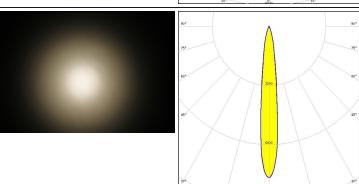


SAMSUNG

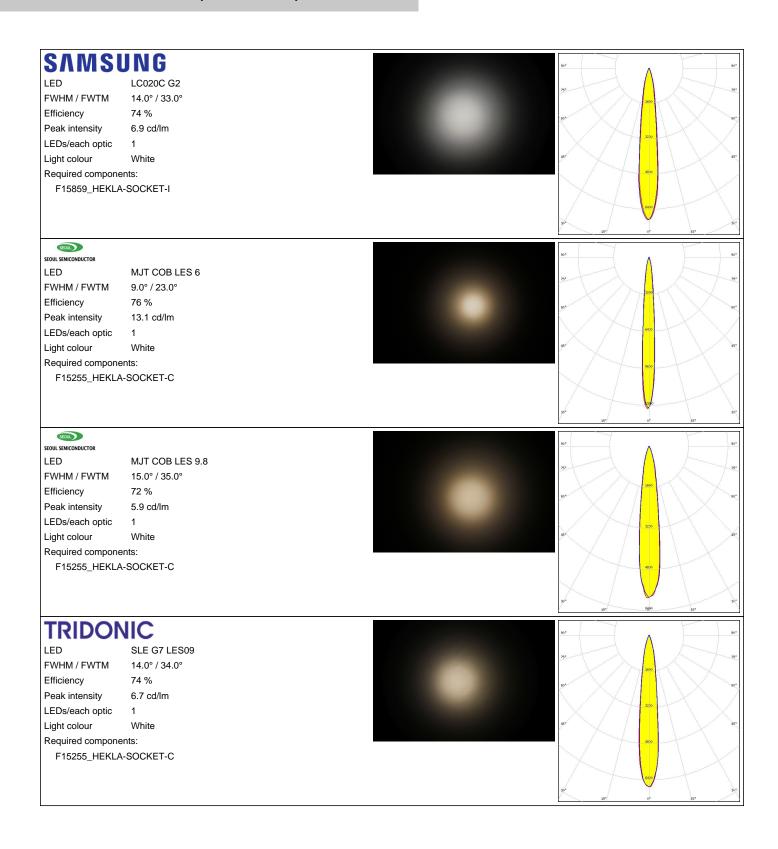
LED LC020C
FWHM / FWTM 12.0° / 31.0°
Efficiency 76 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour White

F15848_HEKLA-SOCKET-G

Required components:





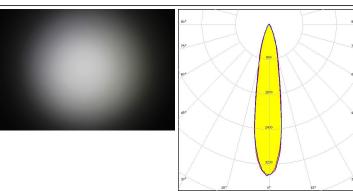




TRIDONIC

LED SLE G7 LES13
FWHM / FWTM 20.0° / 45.0°
Efficiency 69 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White

Required components: F15859_HEKLA-SOCKET-I

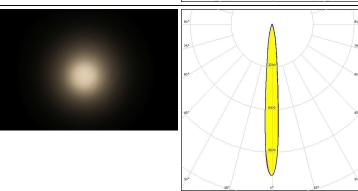


XICATO

LED XOB 6 mm
FWHM / FWTM 10.0° / 26.0°
Efficiency 76 %
Peak intensity 11.4 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C

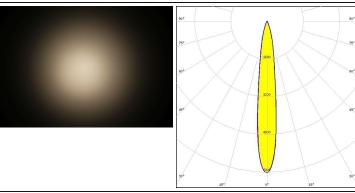


XICATO

LED XOB 9.8 mm FWHM / FWTM 14.0° / 34.5 + 34.0°

Efficiency 74 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C

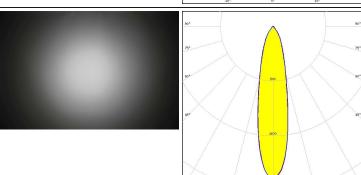


XICATO

 $\begin{array}{lll} \text{LED} & \text{XTM - 19mm LES} \\ \text{FWHM / FWTM} & 23.0^{\circ} \, / \, 60.0^{\circ} \\ \text{Efficiency} & 66 \, \% \\ \end{array}$

Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16058_XTM-ADAPTER-50-C





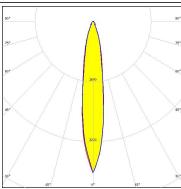
bridgelux

LED VERO13 FWHM / FWTM 16.0° / 42.0° Efficiency 70 %

Peak intensity 4 cd/lm LEDs/each optic White

Light colour Required components:

C16142_HEKLA-SOCKET-K



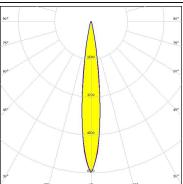
CITIZEN

LED CLL02x/CLU02x (LES10)

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

White Light colour Required components:

F15859_HEKLA-SOCKET-I C16752_CARMEN-70-SHD



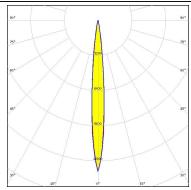
CITIZEN

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

F15255_HEKLA-SOCKET-C C16752_CARMEN-70-SHD



CITIZEN

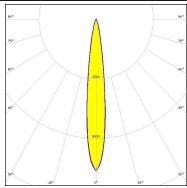
Required components:

CLU712/713 FWHM / FWTM 14.0° / 30.0°

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

Required components:

F15859_HEKLA-SOCKET-I





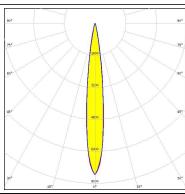
CITIZEN

LED CLU712/713
FWHM / FWTM 12.0° / 24.0°
Efficiency 51 %

Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour White

Light colour
Required components:

F15859_HEKLA-SOCKET-I C16752_CARMEN-70-SHD



CITIZEN

 LED
 CLU7A2/7A3

 FWHM / FWTM
 8.0° / 16.0°

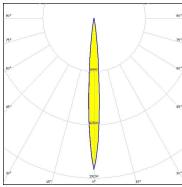
 Efficiency
 55 %

 Peak intensity
 18.2 cd/lm

LEDs/each optic 1
Light colour White

Required components:

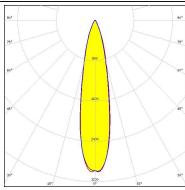
F15255_HEKLA-SOCKET-C C16752_CARMEN-70-SHD



CREE \$

LED CMA1840
FWHM / FWTM 22.0° / 47.0°
Efficiency 66 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White

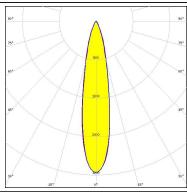
Required components: Bender Wirth: 637a Hekla



CREE \$

LED CMU15xx
FWHM / FWTM 21.0° / 46.0°
Efficiency 65 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17438_HEKLA-G2-I





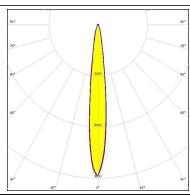
CREE &

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

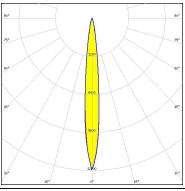


WNICHIA

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

LEDs/each optic 1
Light colour White
Required components:

F15848_HEKLA-SOCKET-G

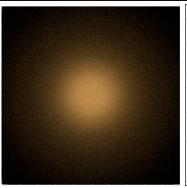


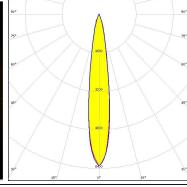
SAMSUNG

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



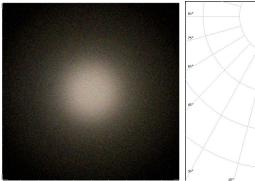


SAMSUNG

LED 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

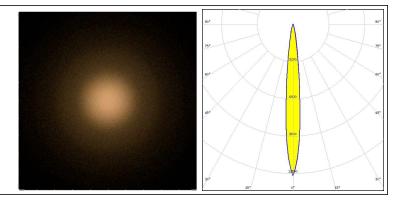




SAMSUNG

LED 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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