

CARMEN-S-C

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

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	41.5 mm
Fastening	socket
ROHS compliant	yes 🕕



MATERIAL SPECIFICATIONS:

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

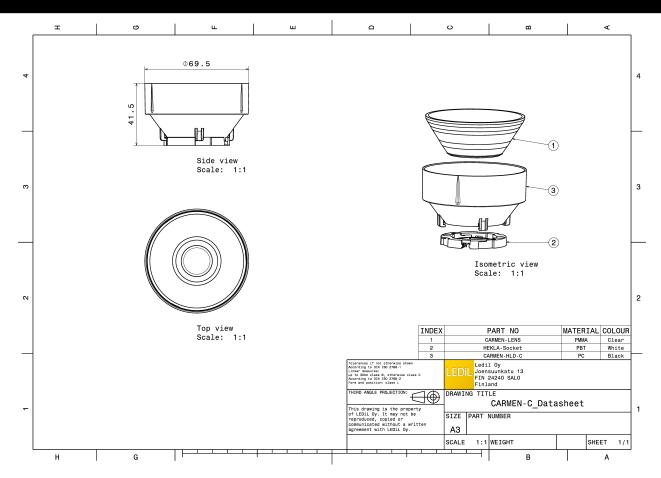
ORDERING INFORMATION:

» 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

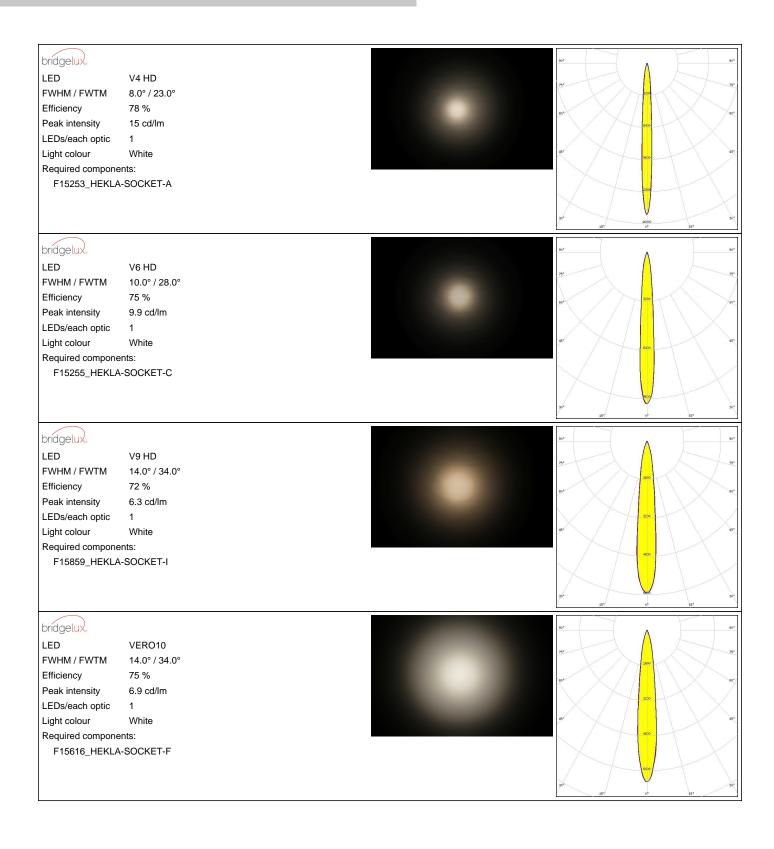


PRODUCT CP15774_CARMEN-S-C



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







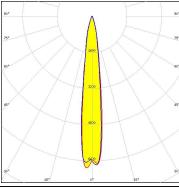
bridgelux

LED Vesta DTW 9mm (4W/6W/12W)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 33.0° Efficiency 71 % Peak intensity 6.8 cd/lm LEDs/each optic Light colour White Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8





bridgelux.

LED Vesta TW 6mm DP FWHM / FWTM 11.0° / 27.0° Efficiency 75 % Peak intensity 10.5 cd/lm LEDs/each optic 1 White Light colour Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8

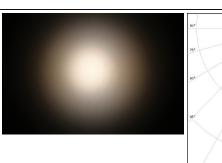


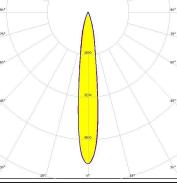
bridgelux

LED Vesta TW 9mm (9W) DP

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 15.0° / 36.0° Efficiency 71 % Peak intensity 5.7 cd/lm LEDs/each optic Light colour White Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8



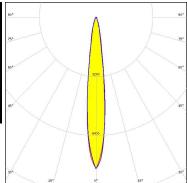


CITIZEN

CLL02x/CLU02x (LES10)

FWHM / FWTM 15.0° / 36.0° Efficiency 74 % Peak intensity 6 cd/lm LEDs/each optic White Light colour Required components: F15255_HEKLA-SOCKET-C



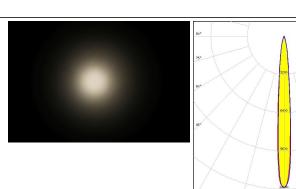




CITIZEN

LED CLU700/701/702
FWHM / FWTM 10.0° / 25.0°
Efficiency 78 %
Peak intensity 12.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

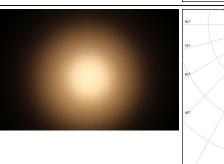
F15255_HEKLA-SOCKET-C

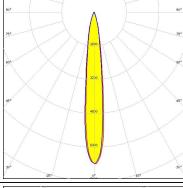


CITIZEN

LED CLU710/711
FWHM / FWTM 13.0° / 33.0°
Efficiency 73 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I





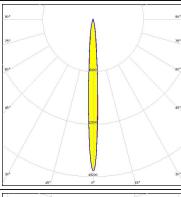
CITIZEN

LED CLU7A2 (LES 4.2mm)

FWHM / FWTM 7.0° / 20.0°
Efficiency 80 %
Peak intensity 18.5 cd/lm
LEDs/each optic 1
Light colour White

F15255_HEKLA-SOCKET-C





CITIZEN

Required components:

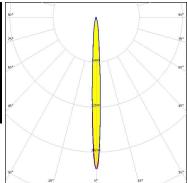
LED CLU7B2
FWHM / FWTM 6.0° / 19.0°
Efficiency 80 %
Peak intensity 21.7 cd/lm
LEDs/each optic 1

Light colour White

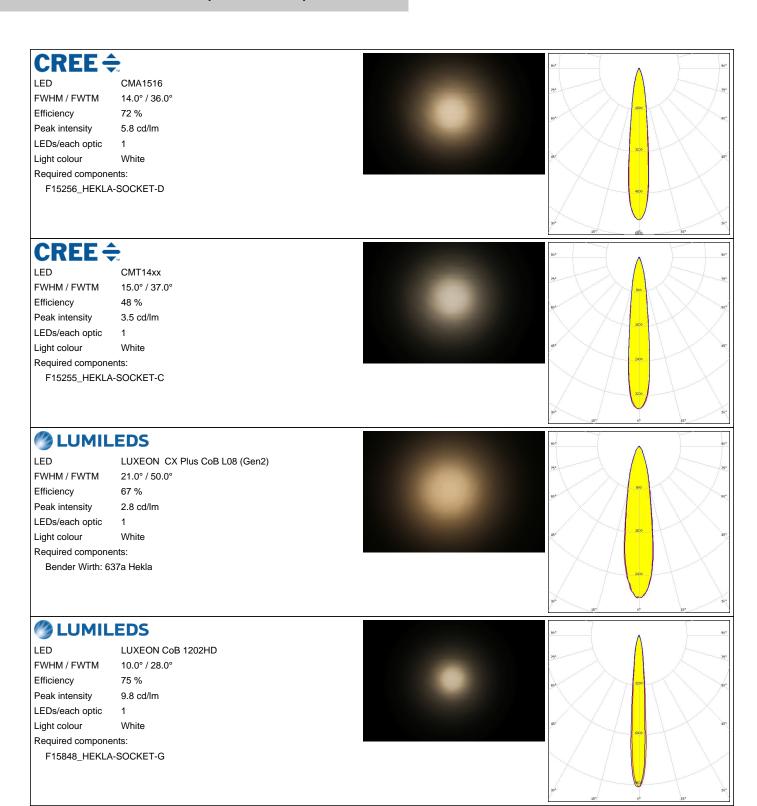
Required components:

F15255_HEKLA-SOCKET-C

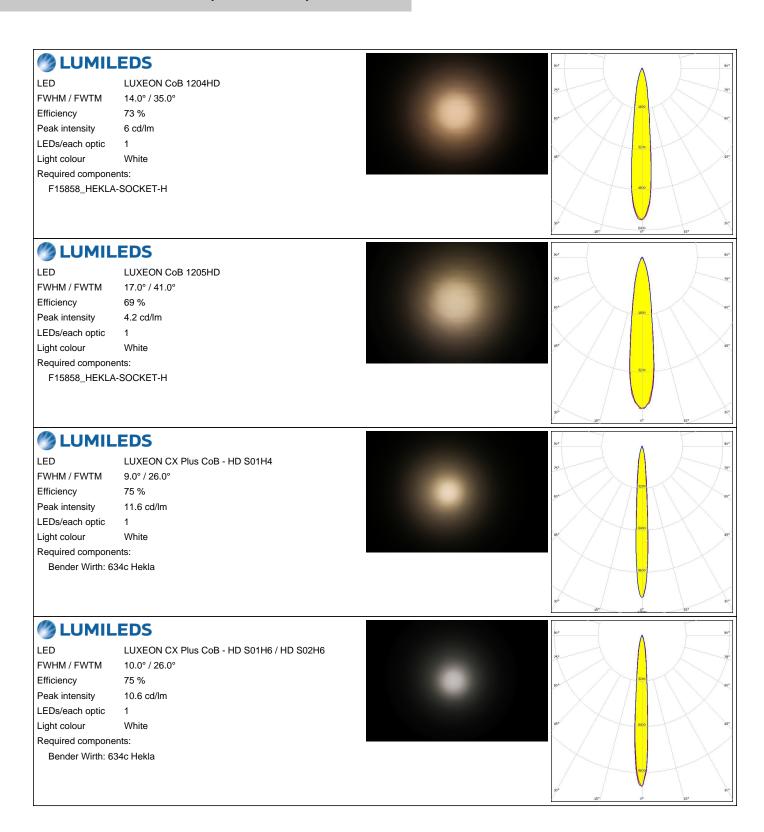




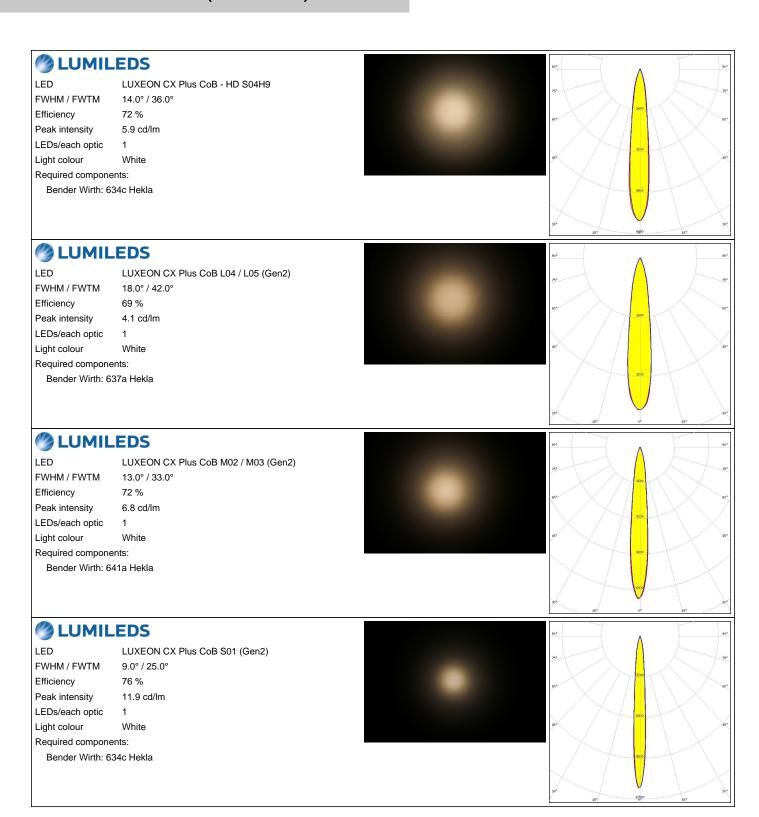




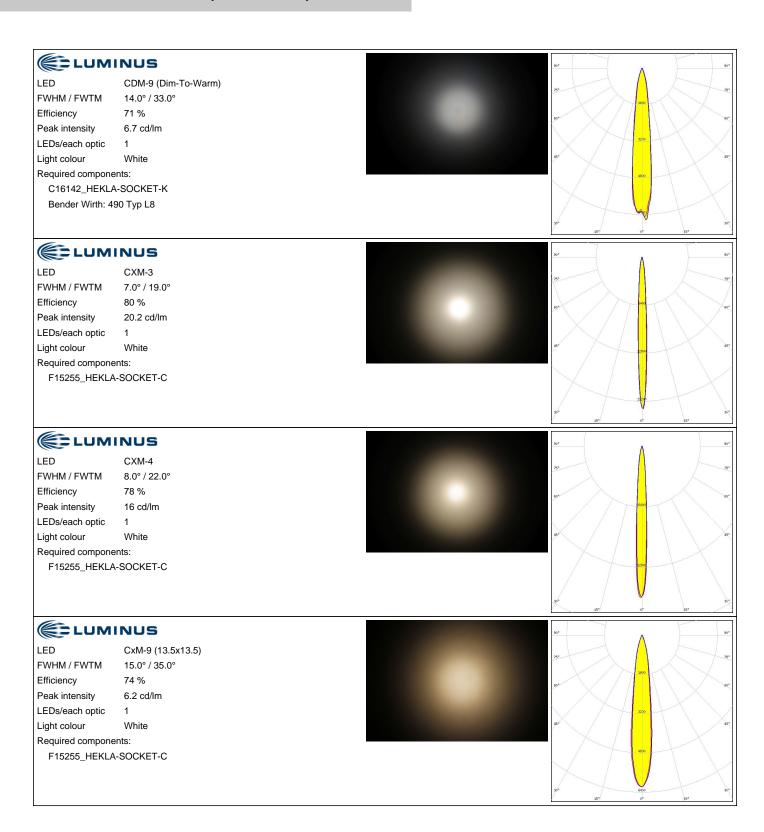














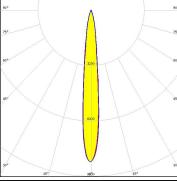
WNICHIA

LED NJCWL024Z-V1MT: COB L-Type Tunable White

FWHM / FWTM 12.0° / 29.0°
Efficiency 71 %
Peak intensity 8.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8





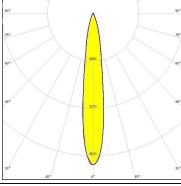
WNICHIA

LED NVCWJ024Z-V1MT: COB J-Type Tunable White

FWHM / FWTM 16.0° / 37.0°
Efficiency 69 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8





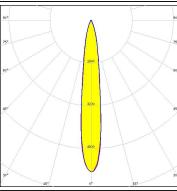
PHILIPS

LED Fortimo SLM L09 CoB

FWHM / FWTM 15.0° / 36.0°
Efficiency 72 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15858_HEKLA-SOCKET-H



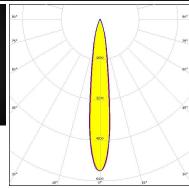


SAMSUNG

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



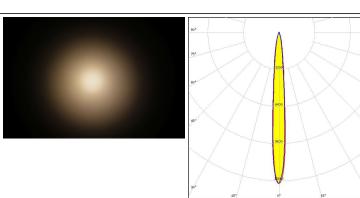




SAMSUNG

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

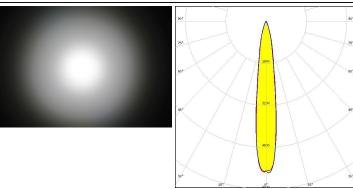
LED LC010T (Tunable White)

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

Light colour Tunable White

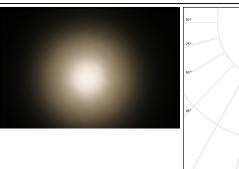
Required components:

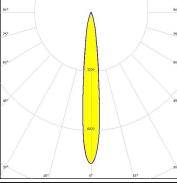
C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8



SAMSUNG

LED LC020C
FWHM / FWTM 12.0° / 31.0°
Efficiency 76 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



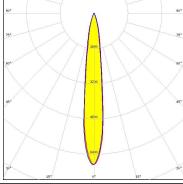


SAMSUNG

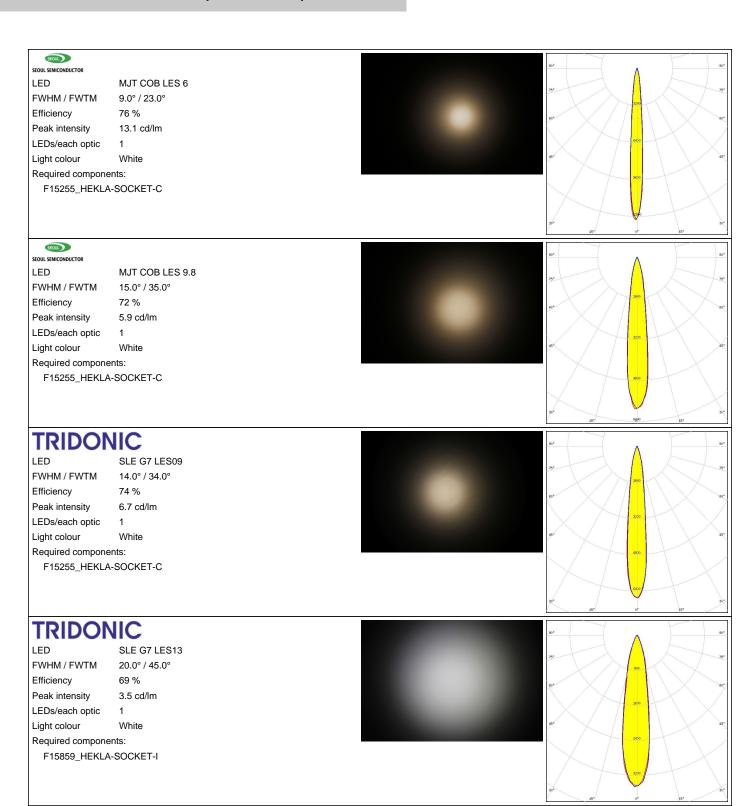
LED LC020C G2
FWHM / FWTM 14.0° / 33.0°
Efficiency 74 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I











XICATO

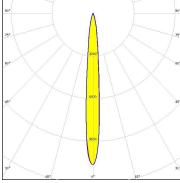
Light colour

LED XOB 6 mm
FWHM / FWTM 10.0° / 26.0°
Efficiency 76 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1

F15255_HEKLA-SOCKET-C

White





XICATO

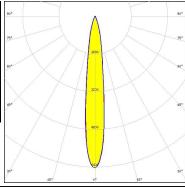
Required components:

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



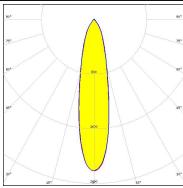


XICATO

LEDXTM - 19mm LESFWHM / FWTM23.0° / 60.0°Efficiency66 %Peak intensity2.2 cd/lmLEDs/each optic1Light colourWhiteRequired components:

C16058_XTM-ADAPTER-50-C







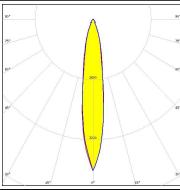
PHOTOMETRIC DATA (SIMULATED):



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



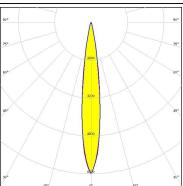
CITIZEN

LED CLL02x/CLU02x (LES10)

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

Required components:

F15859_HEKLA-SOCKET-I C16752_CARMEN-70-SHD



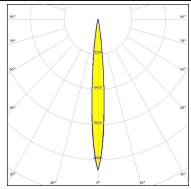
CITIZEN

LED CLU700/701/702 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



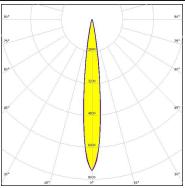
CITIZEN

LED CLU712 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





PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLU712

FWHM / FWTM 14.0° / 30.0°

Efficiency 75 %

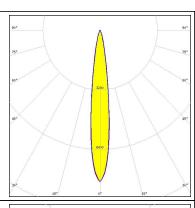
Peak intensity 8.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F15859_HEKLA-SOCKET-I



CITIZEN

LED

CLU7A2 (LES 4.2mm)

FWHM / FWTM

8.0° / 16.0° 55 %

Efficiency Peak intensity

18.2 cd/lm

LEDs/each optic

1

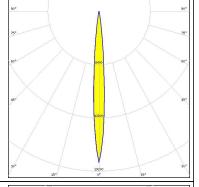
Light colour

White

Required components:

F15255_HEKLA-SOCKET-C

C16752_CARMEN-70-SHD



CREE \$

CXA/B 15xx

FWHM / FWTM

12.9° / 28.4°

Efficiency

0 %

Peak intensity

9.5 cd/lm

LEDs/each optic

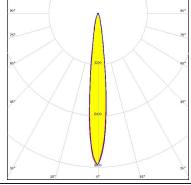
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Light colour

White

Required components:

F15256_HEKLA-SOCKET-D



WNICHIA

LED

COB T-Type

FWHM / FWTM Efficiency 11.0° / 24.0° 78 %

Peak intensity

12.7 cd/lm

LEDs/each optic

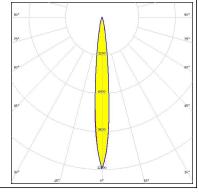
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Light colour

Required components:

White

F15848_HEKLA-SOCKET-G





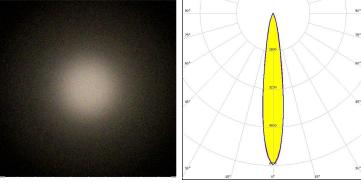
PHOTOMETRIC DATA (SIMULATED):

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

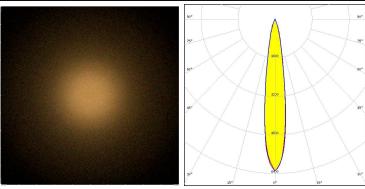


SAMSUNG

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

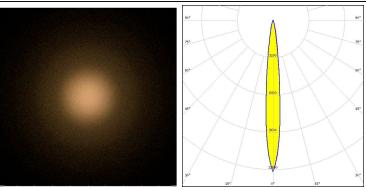
Required components: F17435_HEKLA-G2-C



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



Published: 04/05/2018

16/17



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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