PRODUCT DATASHEET CP15775_CARMEN-M-C

CARMEN-M-C

 ${\sim}35^{\circ}$ medium 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:

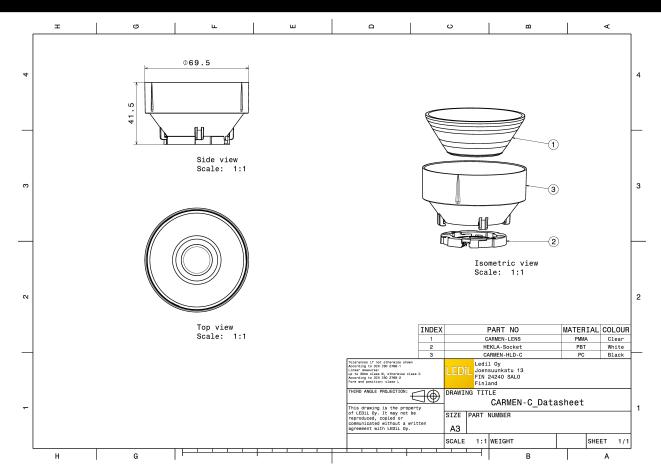
Component	Туре	Material	Colour	Finish
CARMEN-M	Single lens	PMMA	clear	
CARMEN-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP15775_CARMEN-M-C	Single lens	150	150	15	4.6
» Box size: 476 x 273 x 292 mm					



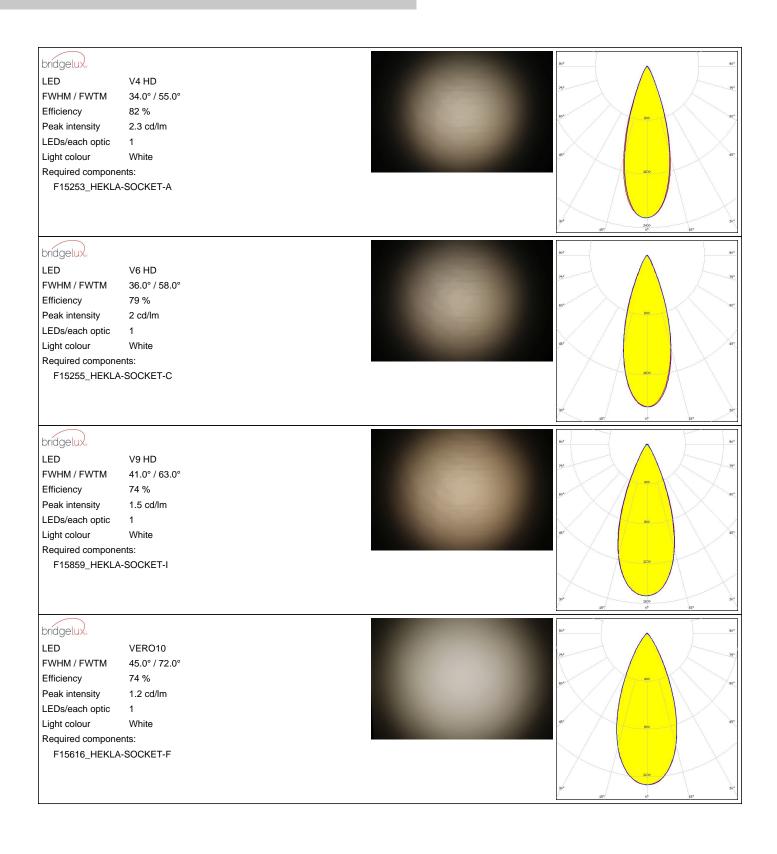
PRODUCT DATASHEET CP15775_CARMEN-M-C



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

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bridgelux

LED Vesta DTW 13mm (21W)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 55.0° / 80.0° Efficiency 64 % Peak intensity 0.8 cd/lm LEDs/each optic

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8

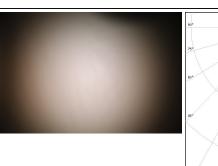


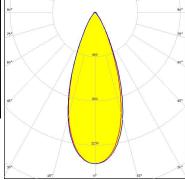
bridgelux

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

FWHM / FWTM 40.0° / 67.0° Efficiency 67 % Peak intensity 1.4 cd/lm LEDs/each optic 1 White Light colour Required components: C16142_HEKLA-SOCKET-K

Bender Wirth: 490 Typ L8





bridgelux

LED Vesta TW 6mm DP $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 37.0° / 63.0° Efficiency 72 % Peak intensity 1.7 cd/lm LEDs/each optic Light colour White Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8

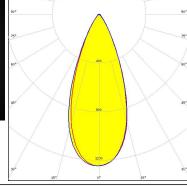


bridgelux.

LED Vesta TW 9mm (12W) CSP

FWHM / FWTM 42.0° / 69.0° Efficiency 66 % Peak intensity 1.2 cd/lm LEDs/each optic White Light colour Required components: C16142_HEKLA-SOCKET-K





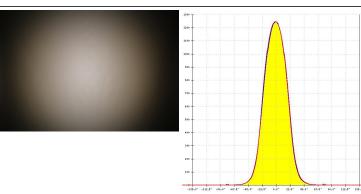




LED Vesta TW 9mm (9W) DP

FWHM / FWTM 43.0° / 69.0°
Efficiency 69 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8

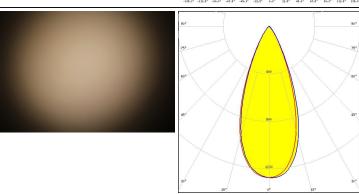


CITIZEN

LED CLC020 Series (Dim-To-Warm)

FWHM / FWTM 42.0° / 68.0°
Efficiency 66 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

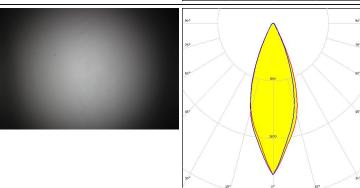
C16142_HEKLA-SOCKET-K



CITIZEN

LED CLL02x/CLU02x (LES10)

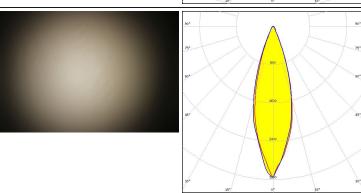
FWHM / FWTM 45.0° / 73.0°
Efficiency 73 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



CITIZEN

LED CLU700/701/702
FWHM / FWTM 37.0° / 66.0°
Efficiency 76 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White

Required components: F15255_HEKLA-SOCKET-C



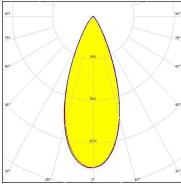


CITIZEN LED CL EWHM / EWTM 41

Light colour

LED CLU710/711
FWHM / FWTM 41.0° / 68.0°
Efficiency 73 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1

Required components: F15859_HEKLA-SOCKET-I



CITIZEN

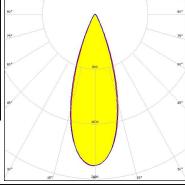
LED CLU7A2 (LES 4.2mm)

White

FWHM / FWTM 37.0° / 64.0°
Efficiency 78 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





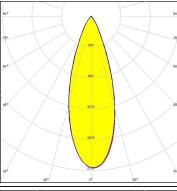
CITIZEN

LED CLU7B2
FWHM / FWTM 35.0° / 62.0°
Efficiency 80 %
Peak intensity 2 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





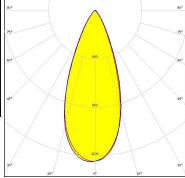
CITIZEN

LED LCN-C01B (Tunable White)

FWHM / FWTM 41.0° / 69.0°
Efficiency 66 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

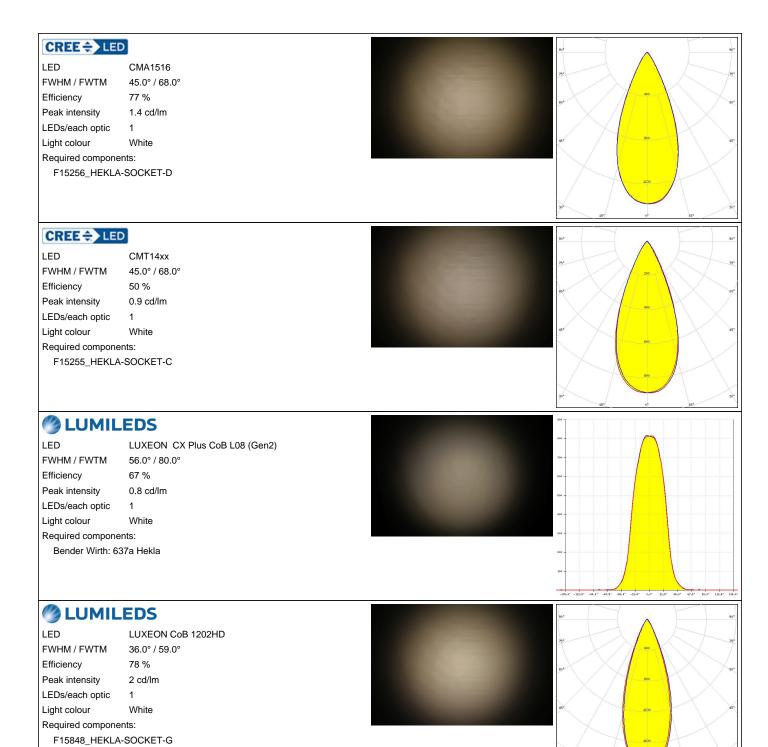
C16142_HEKLA-SOCKET-K



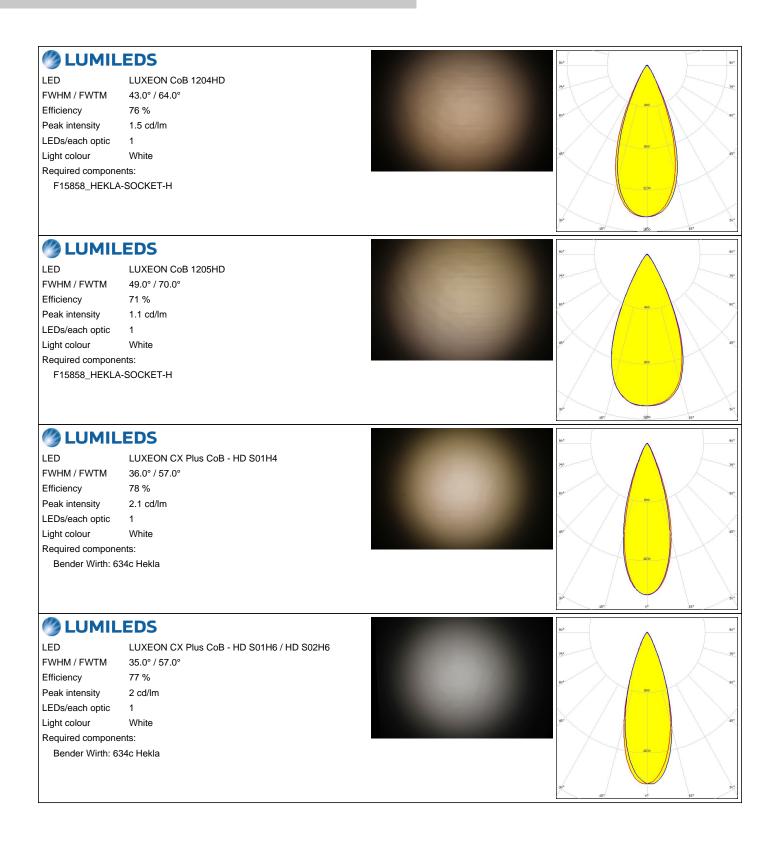


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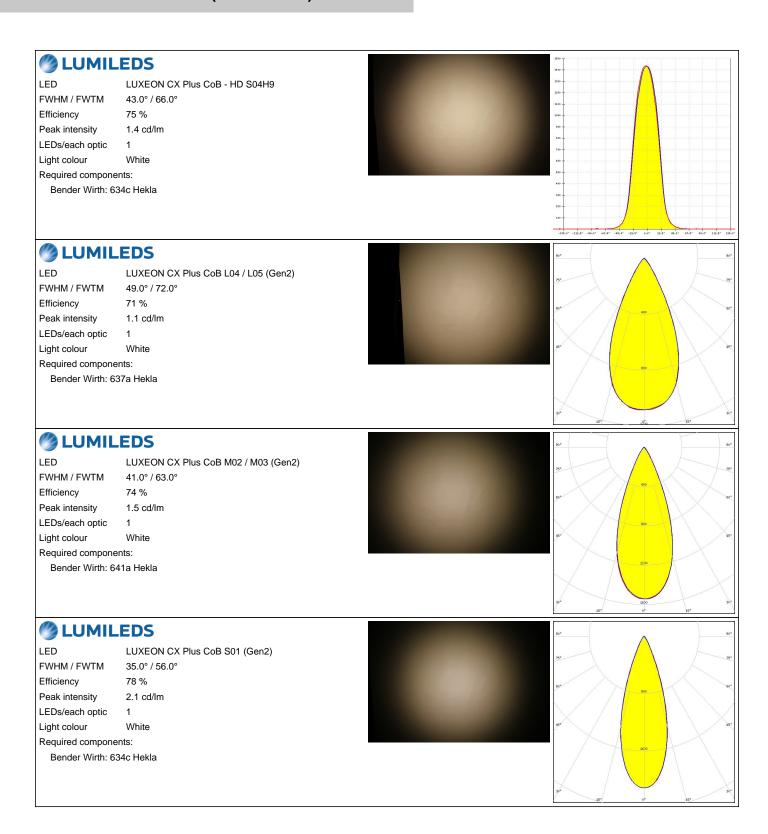




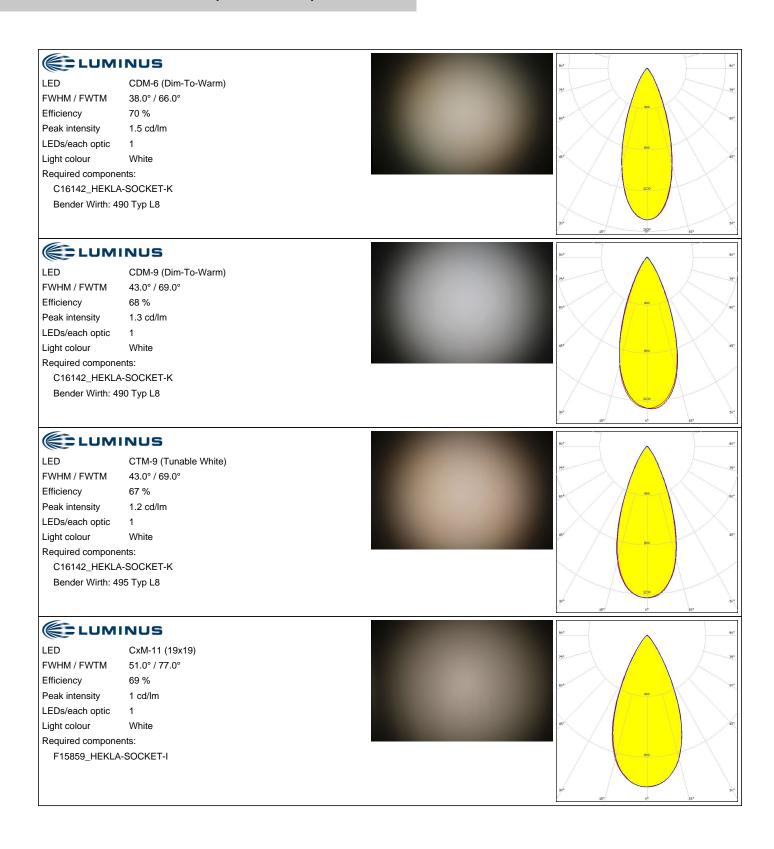




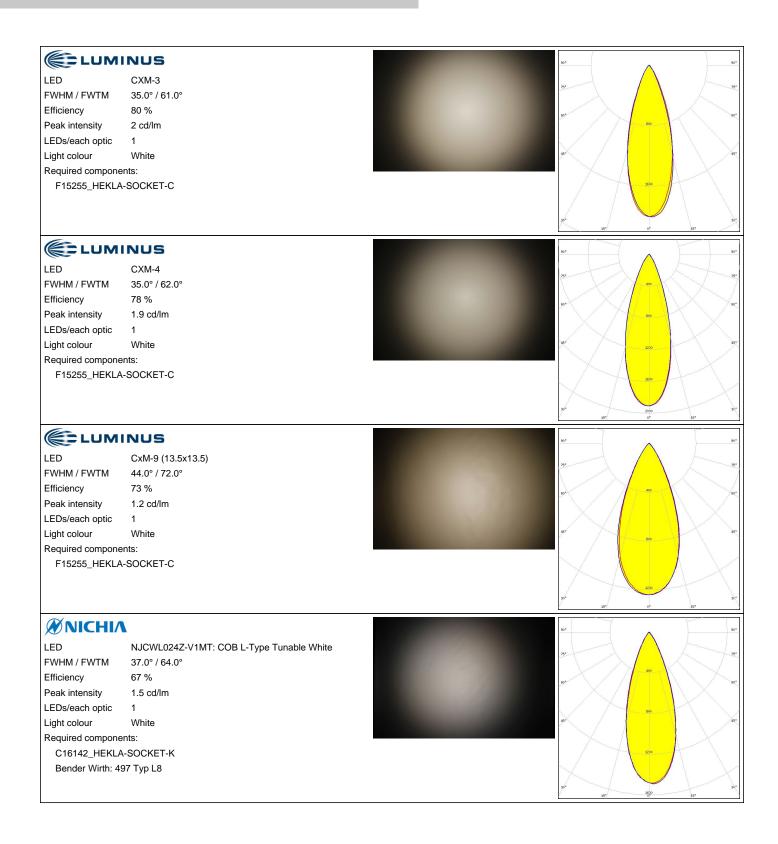














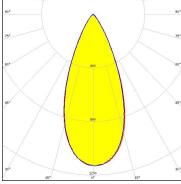


LED NVCWJ024Z-V1MT: COB J-Type Tunable White

FWHM / FWTM 44.0° / 71.0°
Efficiency 66 %
Peak intensity 1.1 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 44.0° / 66.0°

Efficiency 75 %

Peak intensity 1.4 cd/lm

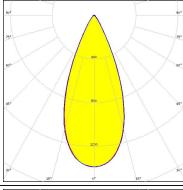
LEDs/each optic 1

Light colour White

Required components:

F15858_HEKLA-SOCKET-H





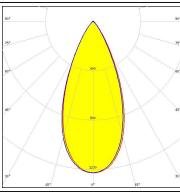
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 45.0° / 73.0°
Efficiency 74 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





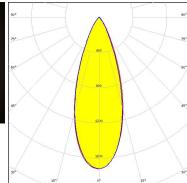
SAMSUNG

LED LC010C G2
FWHM / FWTM 37.0° / 65.0°
Efficiency 76 %
Peak intensity 1.7 cd/lm

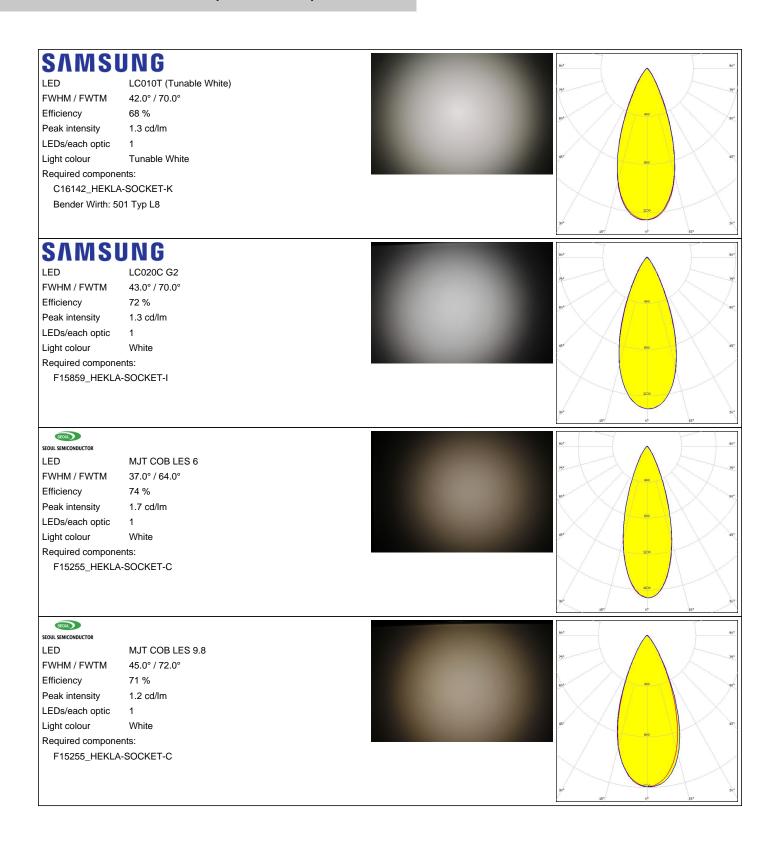
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C







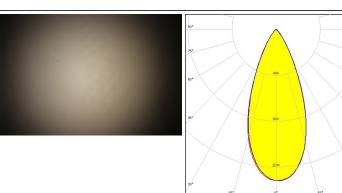




TRIDONIC

LED SLE G7 LES09
FWHM / FWTM 43.0° / 71.0°
Efficiency 74 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

F15255_HEKLA-SOCKET-C

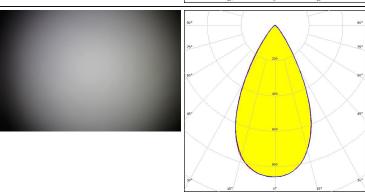


TRIDONIC

Required components:

LED SLE G7 LES13
FWHM / FWTM 54.0° / 79.0°
Efficiency 66 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

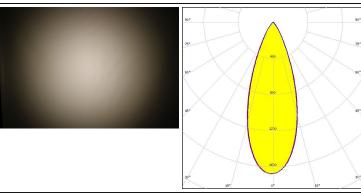
F15859_HEKLA-SOCKET-I



XICATO

LED XOB 6 mm
FWHM / FWTM 38.0° / 66.0°
Efficiency 76 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C

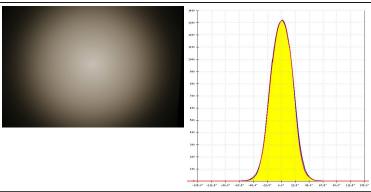


XICATO

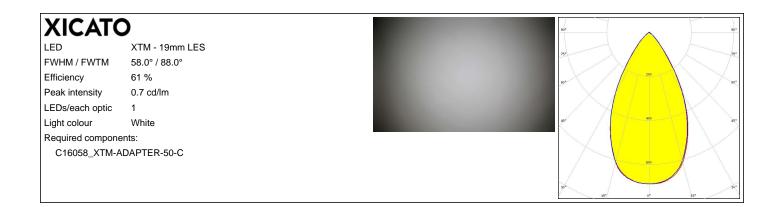
LED XOB 9.8 mm
FWHM / FWTM 43.0° / 72.0°
Efficiency 74 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

Light colour White Required components:

F15255_HEKLA-SOCKET-C









PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED VERO13
FWHM / FWTM 45.0° / 73.0°
Efficiency 63 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White

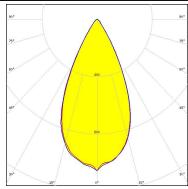
Required components:

C16142_HEKLA-SOCKET-K

CREE \$\(\phi\) LED

LED CMA1825
FWHM / FWTM 49.0° / 72.0°
Efficiency 70 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

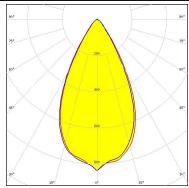


CREE + LED

LED CMA1840
FWHM / FWTM 55.0° / 79.0°
Efficiency 66 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1

White

Light colour
Required components:



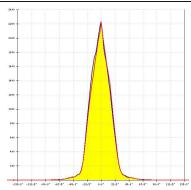
CREE - LED

Required components:

LED CXA/B 15xx FWHM / FWTM 35.8° / 60.0°

Efficiency %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White

F15256_HEKLA-SOCKET-D





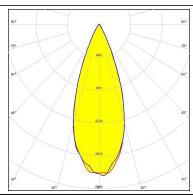
PHOTOMETRIC DATA (SIMULATED):

WNICHIA

LED COB S-Type (LES 7)

FWHM / FWTM 38.0° / 58.0°
Efficiency 75 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White

Required components: F15848_HEKLA-SOCKET-G



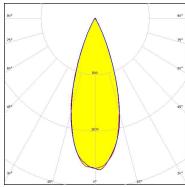
WNICHIA

LED COB T-Type
FWHM / FWTM 36.0° / 55.0°
Efficiency 78 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1

Light colour White

Required components:

F15848_HEKLA-SOCKET-G

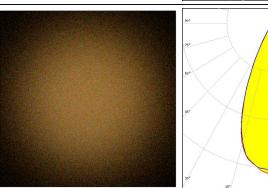


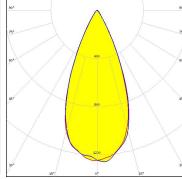
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 44.0° / 66.0°
Efficiency 69 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C



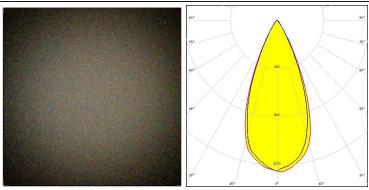


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 45.0° / 67.0°
Efficiency 69 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435_HEKLA-G2-C





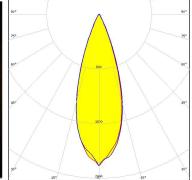
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

F17435_HEKLA-G2-C

LED LC010C
FWHM / FWTM 34.0° / 54.0°
Efficiency 76 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:







PRODUCT DATASHEET CP15775_CARMEN-M-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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