

PRODUCT DATASHEET CP16108_CARMEN-50-M-C

CARMEN-50-M-C

~35° 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:

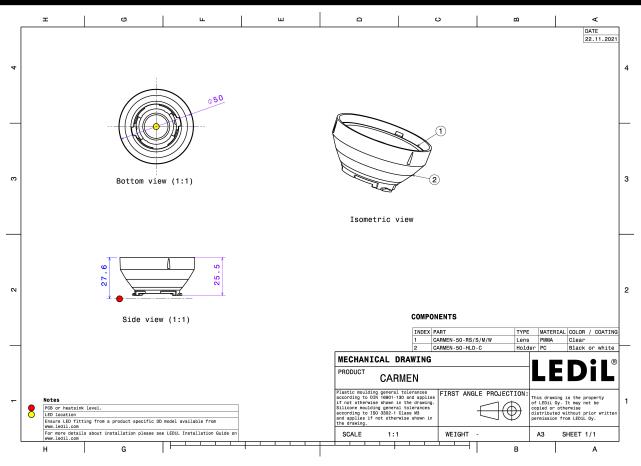
Component	Туре	Material	Colour	Finish	Length
CARMEN-50-M	Single lens	PMMA	clear		47.0
CARMEN-50-HLD-C	Holder	PC	black		

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					



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

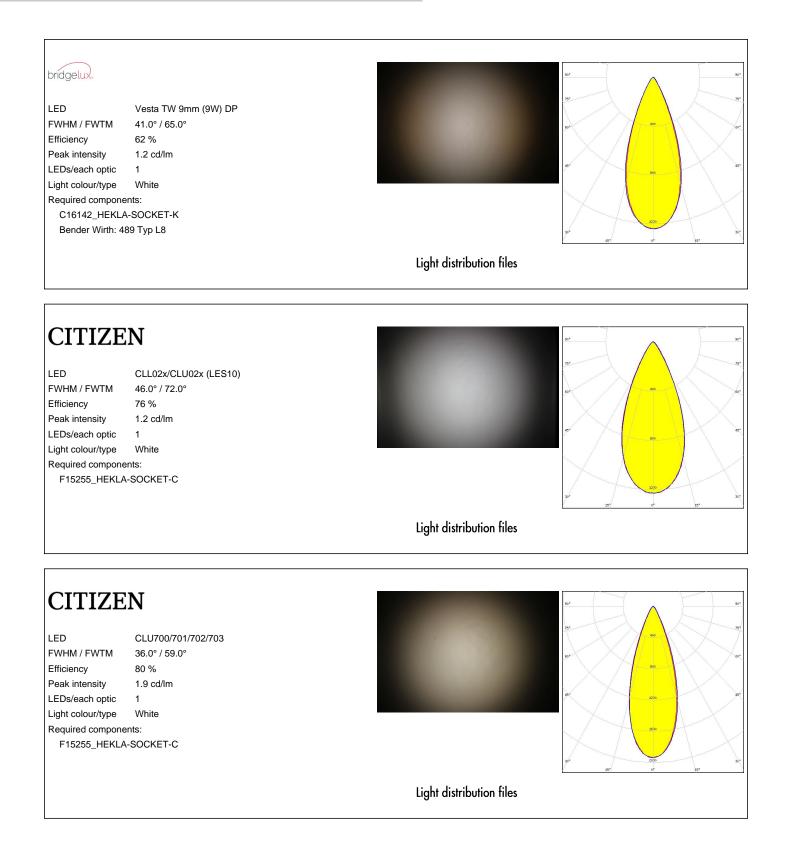


bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone F15253_HEKLA	90 ⁴ 72 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴	0°. 2°.
	Light distribution files	36*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone F15255_HEKLA	Light distribution files	9° - 27 - 27 - 27 - 27 - 27 - 27 - 27 - 27
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone F15859_HEKLA		9° - 2° - 6° - 6°
	Light distribution files	

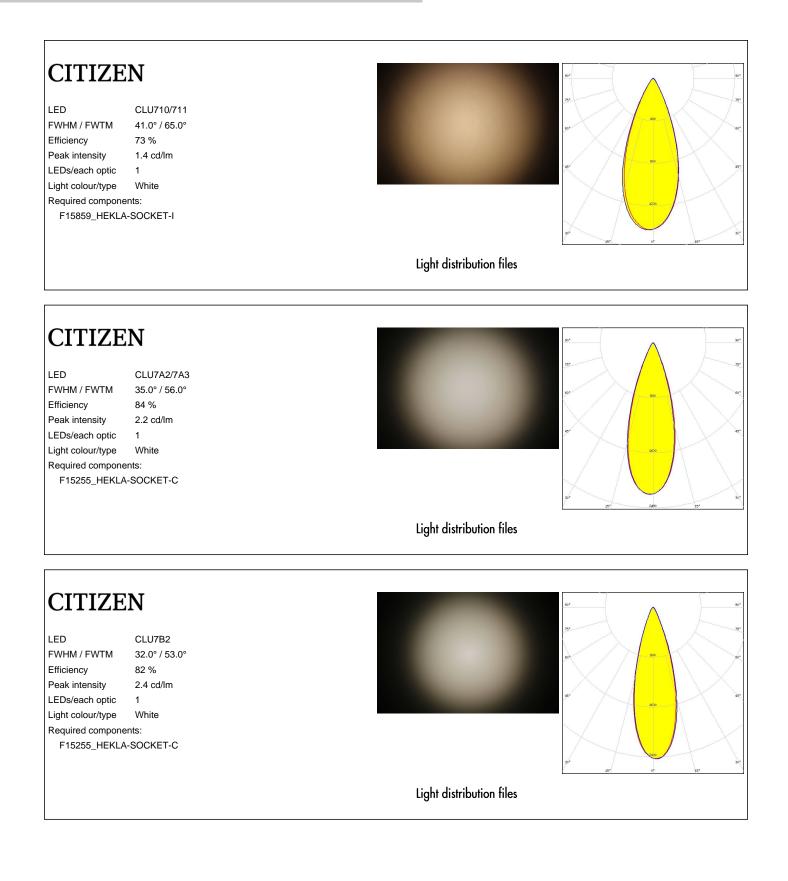


VERO13 49.0° / 75.0° 62 % 0.9 cd/lm 1 White nts: -SOCKET-K		
	I	Light distribution files
Vesta DTW 13mm (21W) 55.0° / 79.0° 59 % 0.7 cd/lm 1 Tunable White nts: -SOCKET-K 11 Typ L8		
	I	Light distribution files
Vesta TW 6mm DP 32.0° / 55.0° 67 % 2 cd/lm 1 White nts: -SOCKET-K 14 Typ L8		
	I	Light distribution files
	49.0° / 75.0° 62 % 0.9 cd/lm 1 White hts: -SOCKET-K Vesta DTW 13mm (21W) 55.0° / 79.0° 59 % 0.7 cd/lm 1 Tunable White hts: -SOCKET-K 1 Typ L8 Vesta TW 6mm DP 32.0° / 55.0° 67 % 2 cd/lm 1 White hts: -SOCKET-K	49.0° / 75.0° 62 % 0.9 cd/lm 1 White TIS: SOCKET-K Vesta DTW 13mm (21W) 55.0° / 79.0° 59 % 0.7 cd/lm 1 Tunable White TIS: SOCKET-K 1 Typ L8

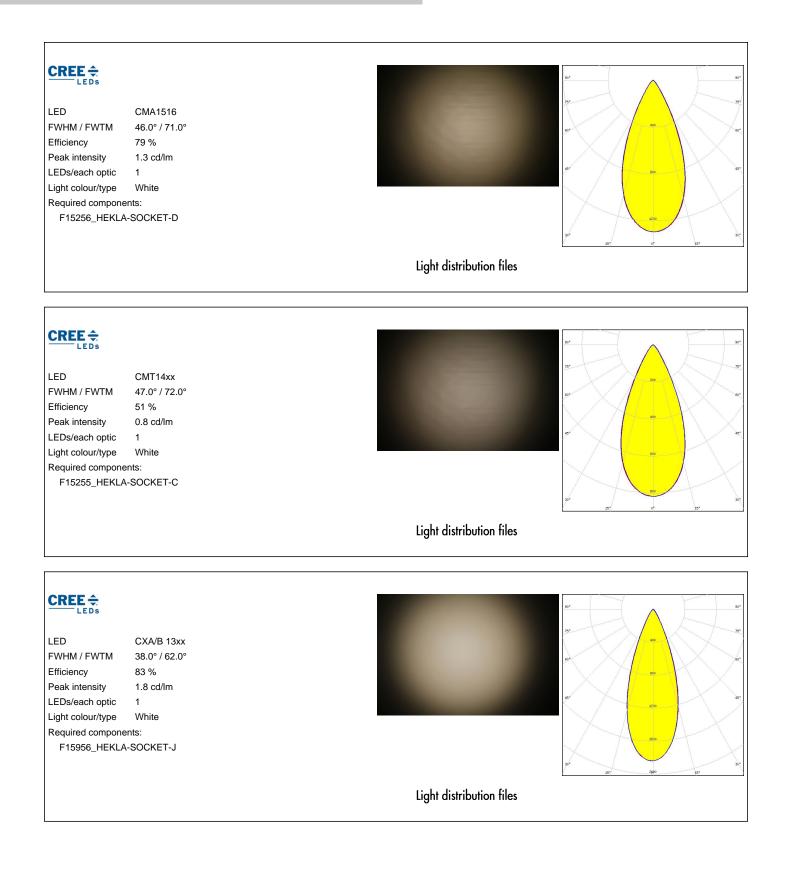




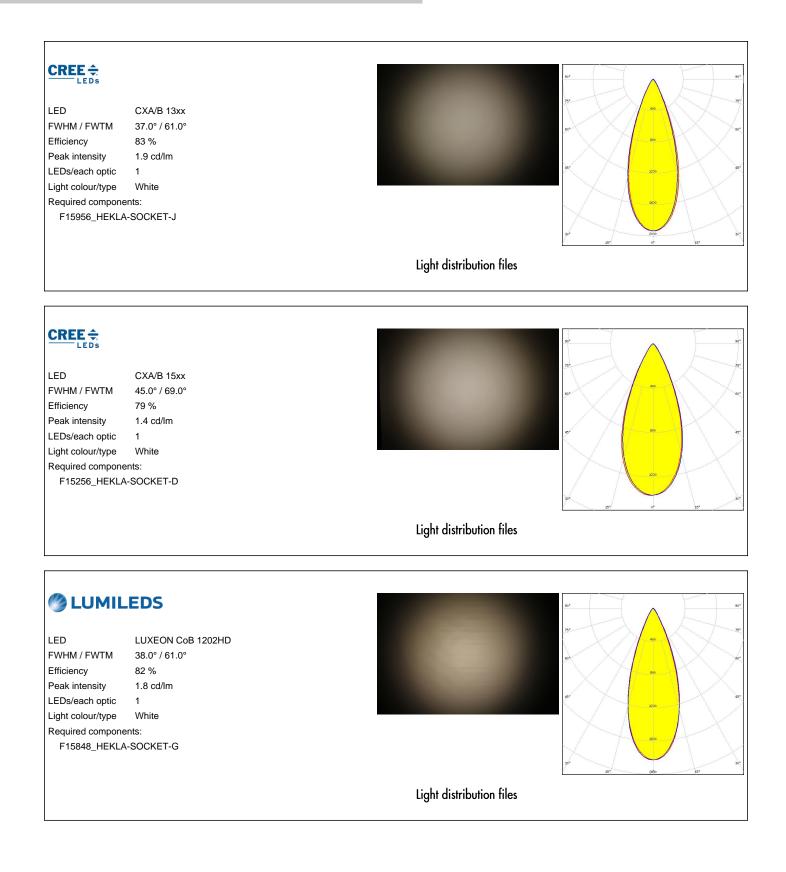




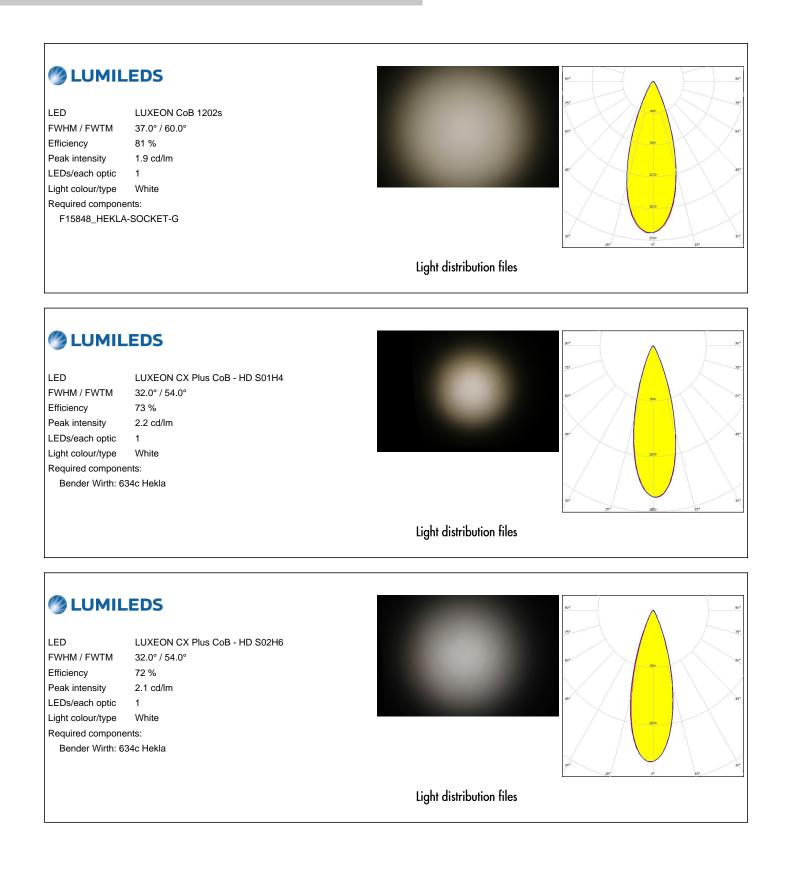




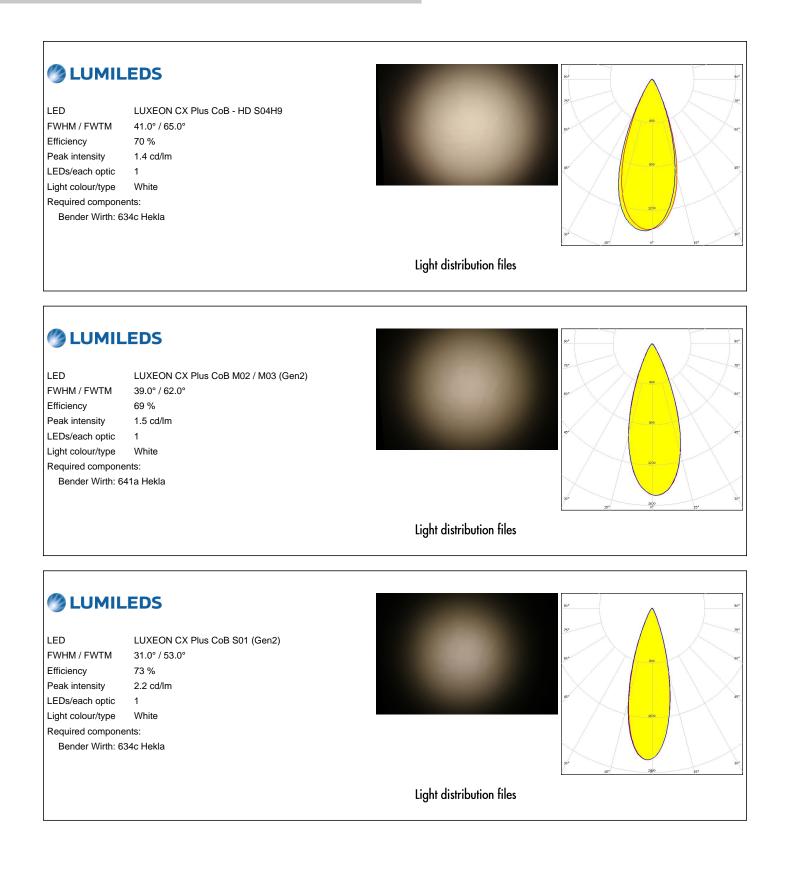






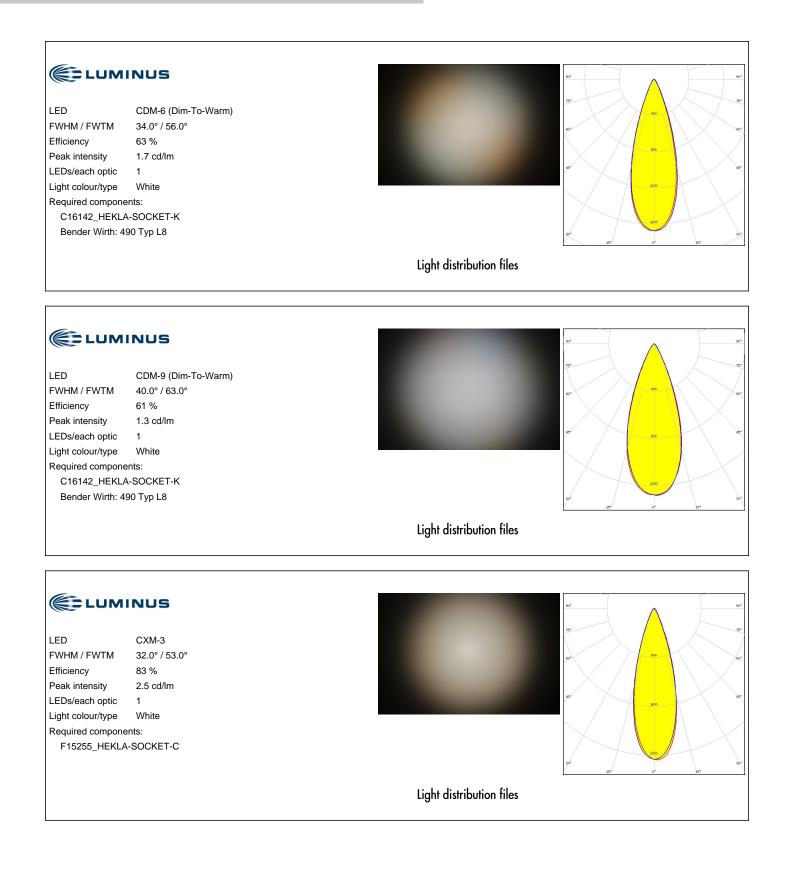




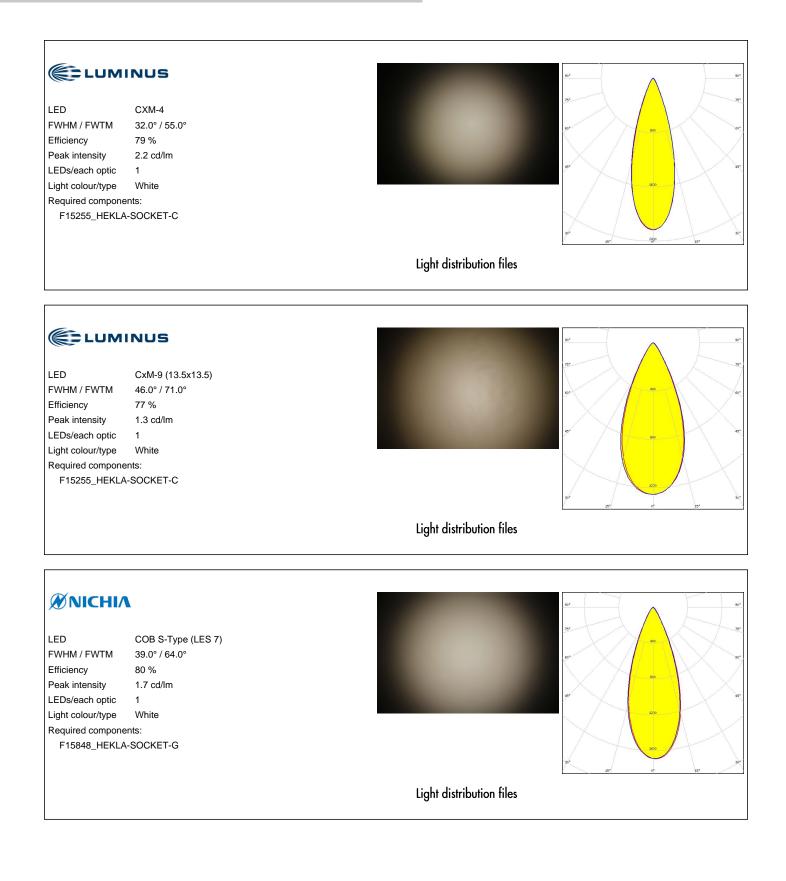


Last update: 13/05/2024Subject to change without prior noticePublished: 02/01/2019LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.10/21











ΜΝΙCΗΙΛ NJCWL024Z-V1MT: COB L-Type Tunable White LED FWHM / FWTM 34.0° / 56.0° Efficiency 62 % Peak intensity 1.7 cd/lm LEDs/each optic 1 White Light colour/type Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8 Light distribution files **Μ**ΝΙCΗΙΛ LED NVCWJ024Z-V1MT: COB J-Type Tunable White FWHM / FWTM 42.0° / 67.0° Efficiency 61 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8 Light distribution files 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/type White Required components: F15858_HEKLA-SOCKET-H

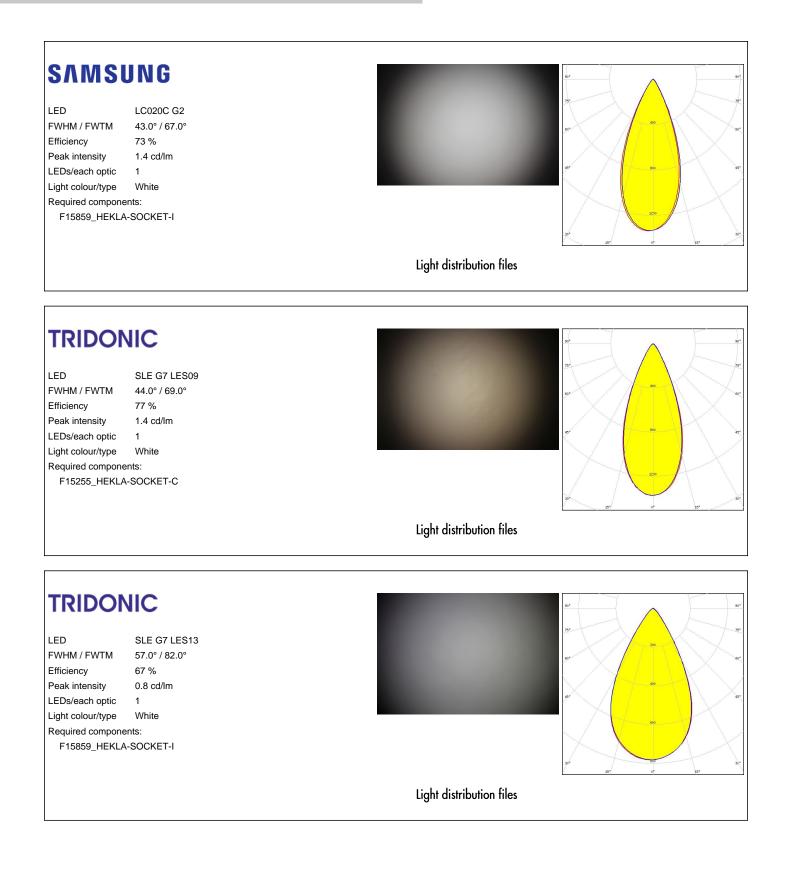
Light distribution files



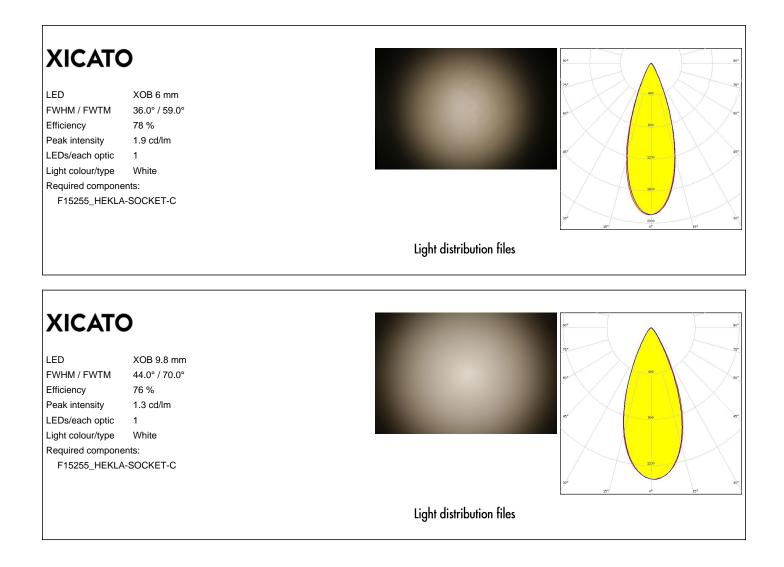
SAMSUNG LED LC003D / LC006D / LC009D / LC013D FWHM / FWTM 47.0° / 73.0° Efficiency 77 % Peak intensity 1.2 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files **SAMSUNG** LED LC010C G2 FWHM / FWTM 36.0° / 58.0° Efficiency 80 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour/type White Required components: F15255_HEKLA-SOCKET-C Light distribution files 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/type **Tunable White** Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8

Light distribution files











LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components F15255_HEKLA-S	Light distribution files
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components F15253_HEKLA-S	Light distribution files
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components F15253_HEKLA-S	Light distribution files



bridgelux.		30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required component F15616_HEKLA-S		75 64 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
		Light distribution files
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required component C16142_HEKLA-S		Light distribution files
Ø ΝΙCΗΙΛ		55
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB S-Type (LES 6) 32.0° / 52.0° 69 % 2.3 cd/lm 1 White	55 66 57 500
Light colour/type Required component F15848_HEKLA-S		30° 2000 10° @ 10°

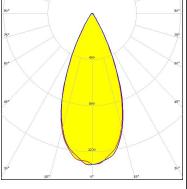


SAMSUNG

LED	LC0
FWHM / FWTM	44.0
Efficiency	71 %
Peak intensity	1.3 c
LEDs/each optic	1
Light colour/type	Whit
Required components:	
F17435_HEKLA-G2-C	

LC003D / LC006D / LC009D / LC013D 44.0° / 66.0° 71 % 1.3 cd/lm 1 White



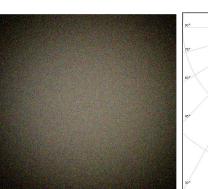


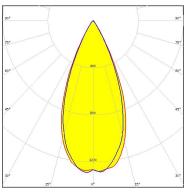
Light distribution files

SAMSUNG

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: F17435_HEKLA-G2-C

LC003D / LC006D / LC009D / LC013D 46.0° / 67.0° 71 % 1.3 cd/lm 1 White





Light distribution files

SAMSUNG LED LC010C FWHM / FWTM 34.0° / 54.0° 77 % Efficiency Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: F17435_HEKLA-G2-C Light distribution files

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SAMSUNG I FD LH231B FWHM / FWTM 41.0° / 65.0° Efficiency 73 % Peak intensity 1.5 cd/lm LEDs/each optic 7 Light colour/type White Required components: F15255_HEKLA-SOCKET-C Light distribution files **XICATO** I FD XTM - 9mm LES FWHM / FWTM 42.0° / 63.0° Efficiency 79 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: C15743_XTM-ADAPTER-50-B Light distribution files



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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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