

CARMEN-SS-C-WHT

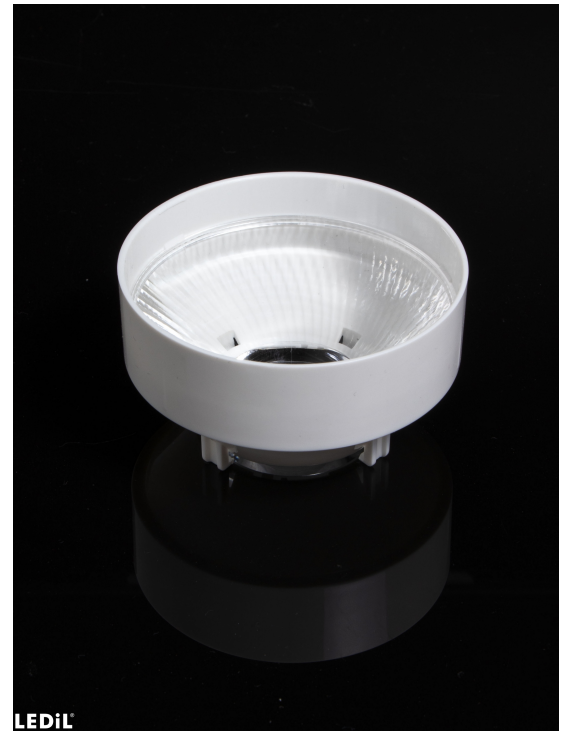
~12° smooth spot beam. Assembly with holder C compatible with LEDiL HEKLA. White version.

SPECIFICATION:

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

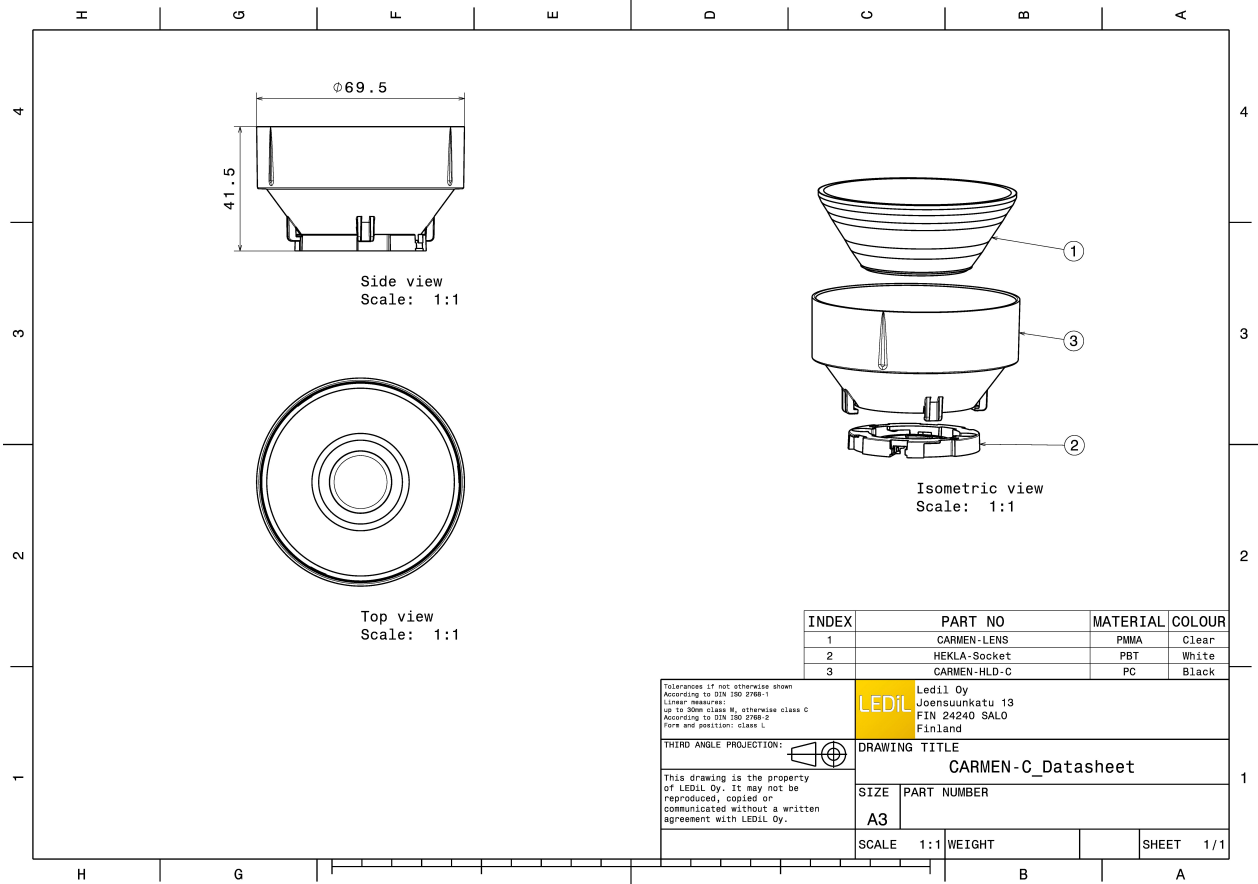
MATERIALS:

Component	Type	Material	Colour	Finish
CARMEN-SS	Single lens	PMMA	clear	
CARMEN-HLD-C-WHT	Holder	PC	white	





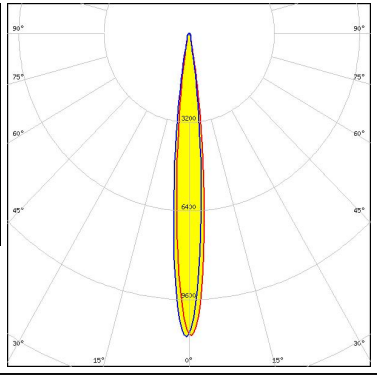


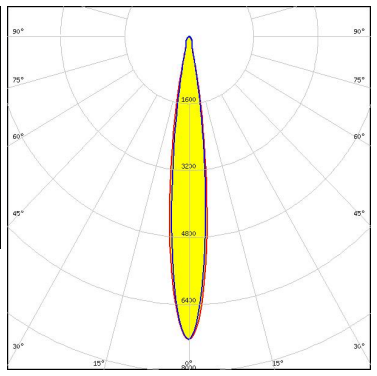

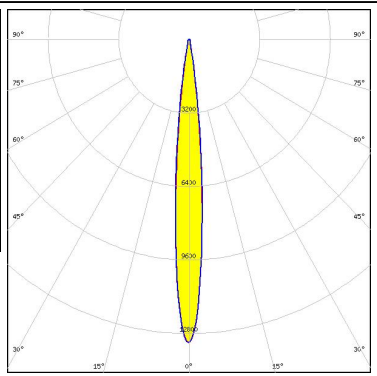

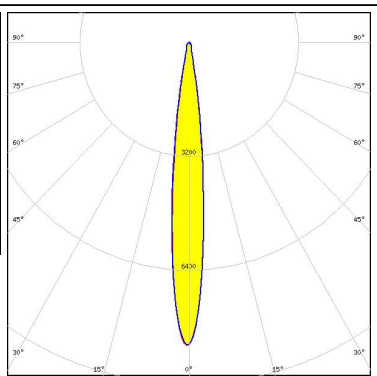
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP16941_CARMEN-SS-C-WHT » Box size: 480 x 280 x 300 mm	Single lens	150	150	15	8.8



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

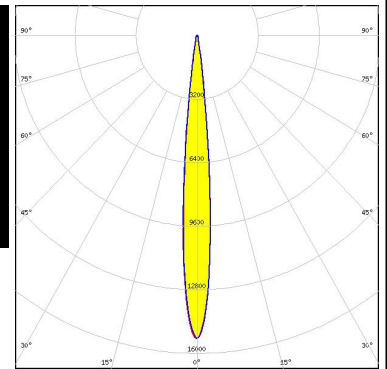
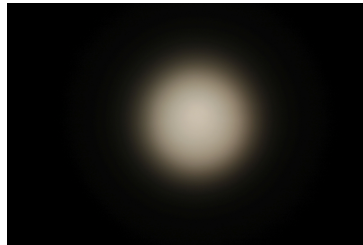
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Vesta TW 6mm DP FWHM / FWTM 11.0° / 21.0° Efficiency 82 % Peak intensity 11 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (9W) DP FWHM / FWTM 14.0° / 25.0° Efficiency 83 % Peak intensity 7.2 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8</p>		
<p>CITIZEN</p> <p>LED CLU700/701/702/703 FWHM / FWTM 10.0° / 20.0° Efficiency 85 % Peak intensity 13.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p>CITIZEN</p> <p>LED CLU710/711 FWHM / FWTM 12.0° / 24.0° Efficiency 82 % Peak intensity 8.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>		

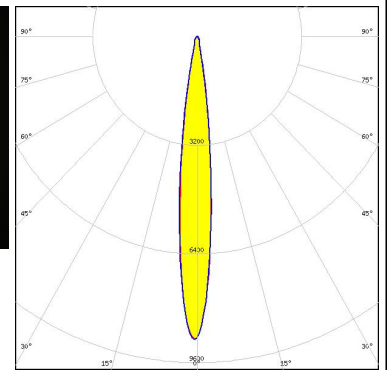
OPTICAL RESULTS (MEASURED):

CITIZEN

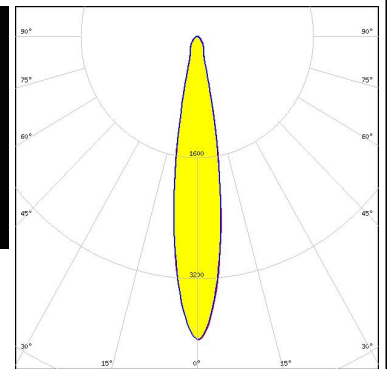
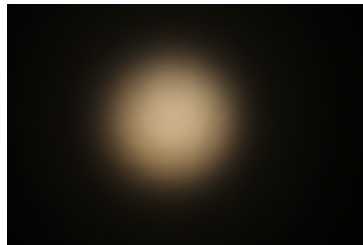
LED CLU7B2
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 86 %
 Peak intensity 15.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



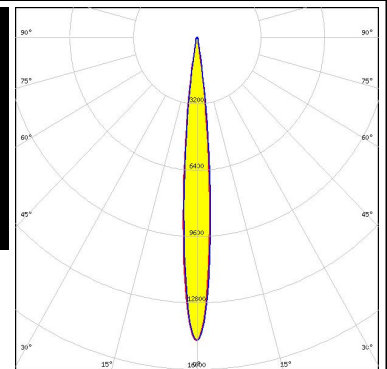
LED CXA/B 15xx
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 84 %
 Peak intensity 9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D




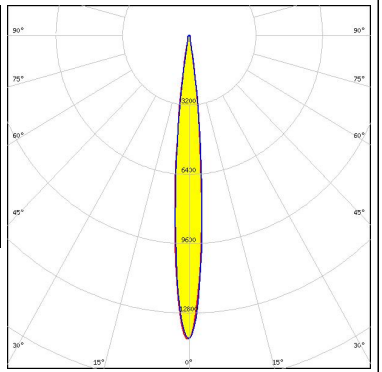

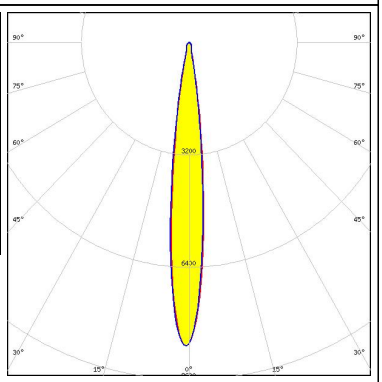

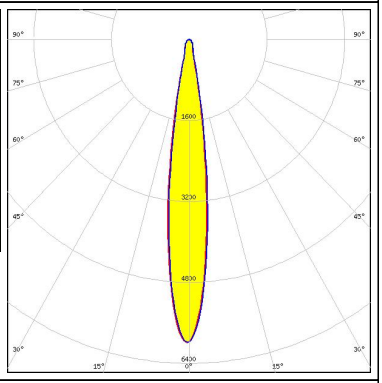

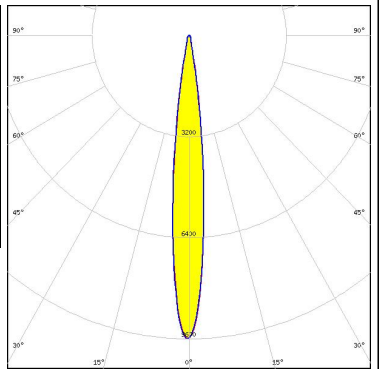
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 18.0° / 34.0°
 Efficiency 84 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla



LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 11.0° / 19.0°
 Efficiency 86 %
 Peak intensity 14.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



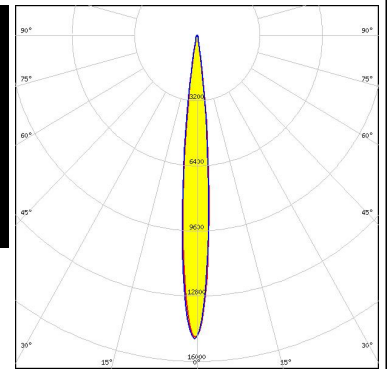
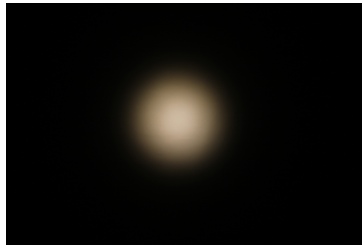
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S02H6</p> <p>FWHM / FWTM 11.0° / 20.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 14 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 8.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L04 / L05 (Gen2)</p> <p>FWHM / FWTM 15.0° / 28.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 637a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2)</p> <p>FWHM / FWTM 12.0° / 23.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 9.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 641a Hekla</p>		

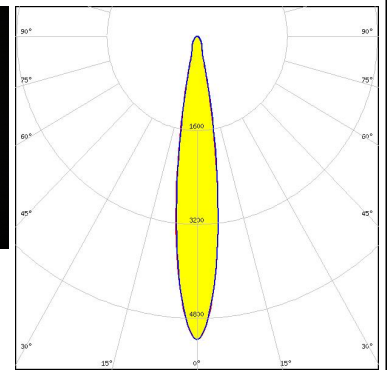
OPTICAL RESULTS (MEASURED):



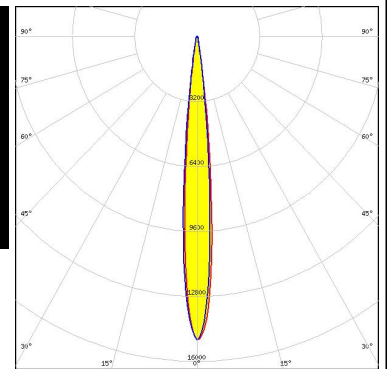
LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 86 %
 Peak intensity 14.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



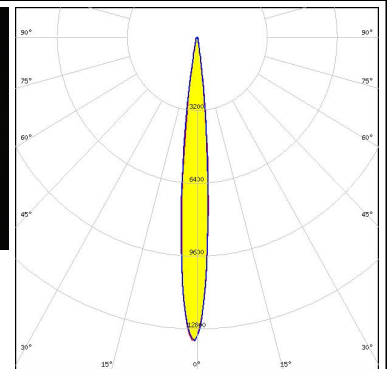
LED CxM-11 (19x19)
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 83 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



LED CXM-3
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 88 %
 Peak intensity 14.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



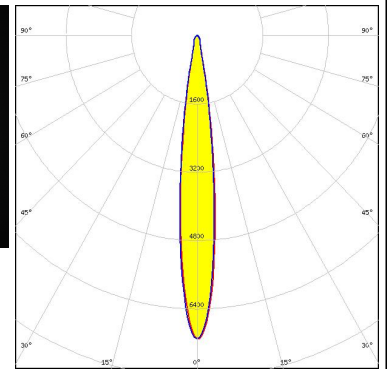
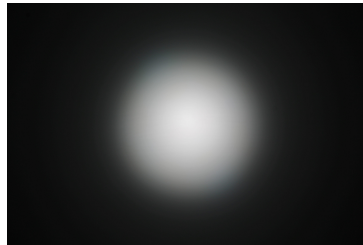
LED CXM-4
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 85 %
 Peak intensity 13.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (MEASURED):

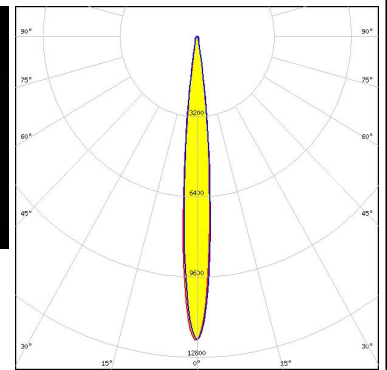
SAMSUNG

LED LC010T (Tunable White)
 FWHM / FWTM 13.0° / 26.0°
 Efficiency 82 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



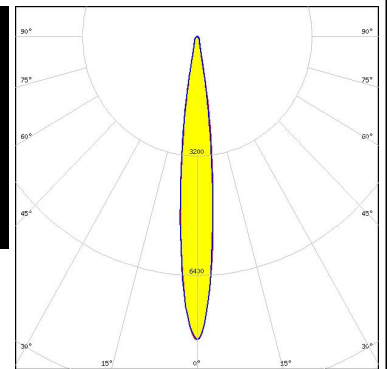
XICATO

LED XOB 6 mm
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 83 %
 Peak intensity 12.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



XICATO

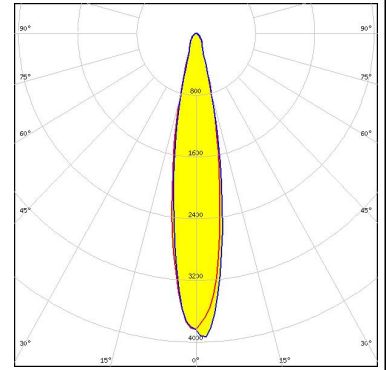
LED XOB 9.8 mm
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 84 %
 Peak intensity 8.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



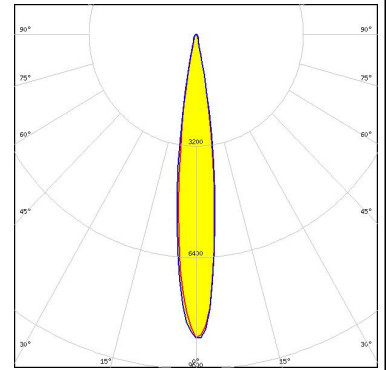
OPTICAL RESULTS (SIMULATED):



LED CMU15xx
FWHM / FWTM 20.0° / 38.0°
Efficiency 82 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



LED SLE G7 LES09
FWHM / FWTM 14.0° / 26.0°
Efficiency 87 %
Peak intensity 8.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-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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