

### AMY-110-S-C

~18° spot beam. Assembly with holder C compatible with LEDiL HEKLA. Black version.

#### SPECIFICATION:

Dimensions	Ø 109.7 mm
Height	23.3 mm
ROHS compliant	yes ⓘ

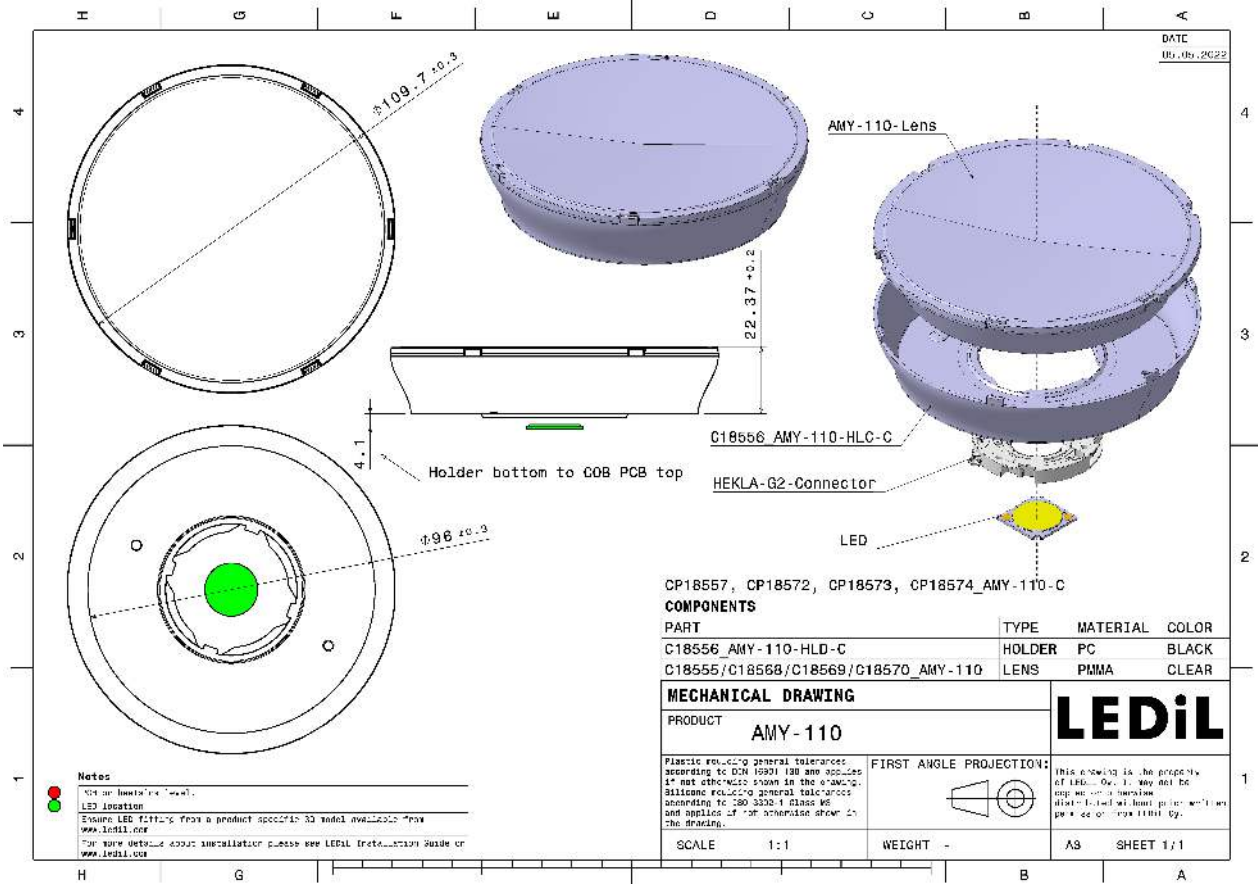


#### MATERIALS:

Component	Type	Material	Colour	Finish
AMY-110-S	Single lens	PMMA	clear	
AMY-110-HLD-C	Holder C	PC	black	

#### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP18557_AMY-110-S-C » Box size: 480 x 280 x 300 mm	77	77	7	8.6


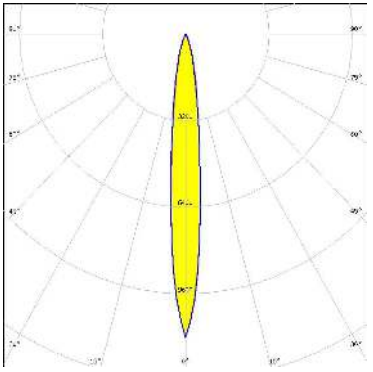

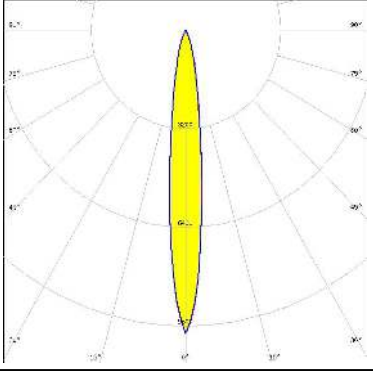

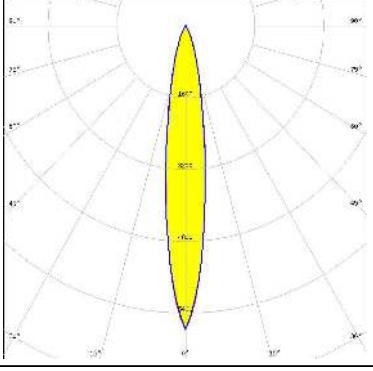

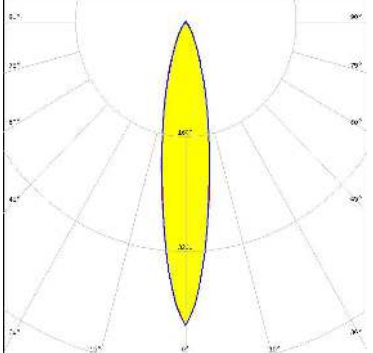


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


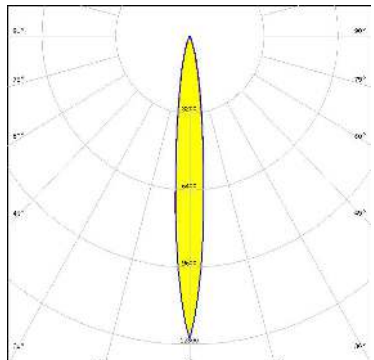

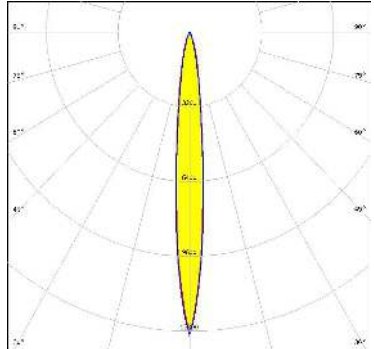

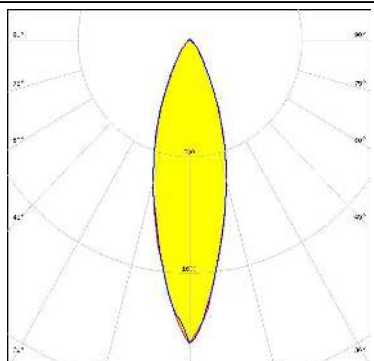

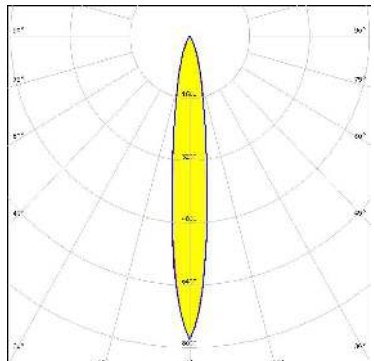
### OPTICAL RESULTS (MEASURED):




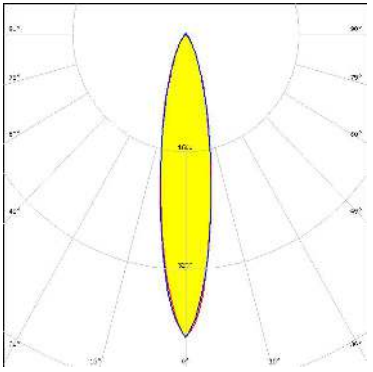

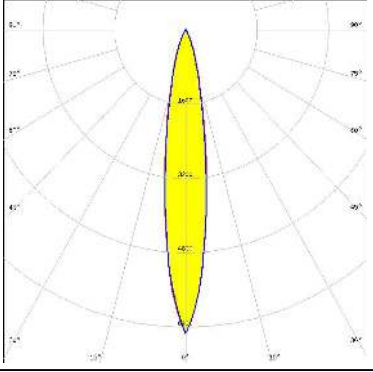

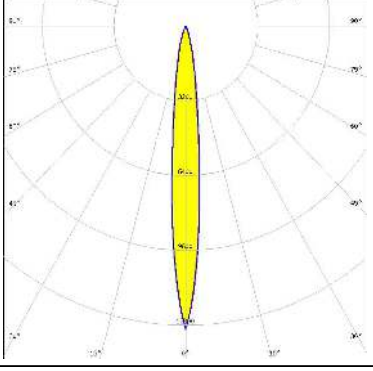

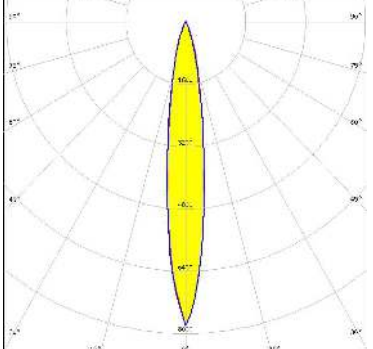
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V10 Gen 8            FWHM / FWTM 12.0° / 30.0°            Efficiency 94 %            Peak intensity 11.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>	
<p></p> <p>LED V11 HD Gen 8            FWHM / FWTM 12.0° / 32.0°            Efficiency 94 %            Peak intensity 9.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15859_HEKLA-SOCKET-I</p>	
<p></p> <p>LED V13 Gen 8            FWHM / FWTM 16.0° / 38.0°            Efficiency 93 %            Peak intensity 6.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15859_HEKLA-SOCKET-I</p>	
<p></p> <p>LED V18 Gen 8            FWHM / FWTM 18.0° / 47.0°            Efficiency 87 %            Peak intensity 4.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 462 Typ L8</p>	


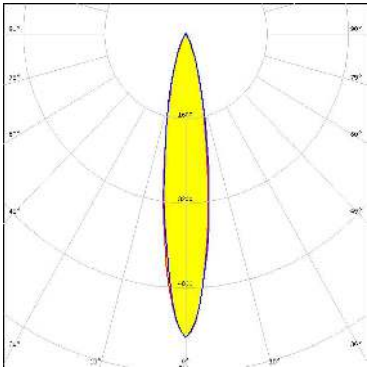

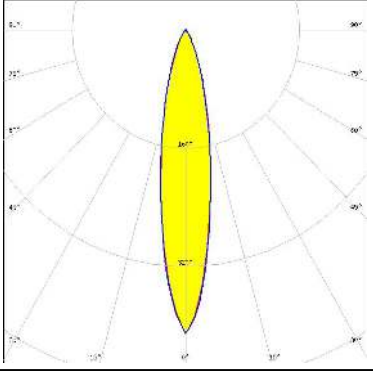

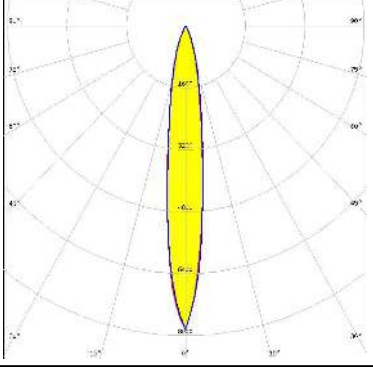
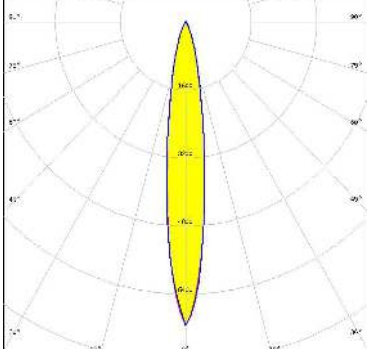
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V8 Gen 8</p> <p>FWHM / FWTM 12.0° / 28.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 12.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>	
<p></p> <p>LED V9 HD Gen 8</p> <p>FWHM / FWTM 10.0° / 28.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 13 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>	
<p></p> <p>LED Vero SE 29</p> <p>FWHM / FWTM 29.0° / 64.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p></p> <p>LED VERO13</p> <p>FWHM / FWTM 14.0° / 37.0 + 36.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 7.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	

#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED VERO18            FWHM / FWTM 20.0° / 50.0 + 49.0°            Efficiency 93 %            Peak intensity 4.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K</p>	
<p></p> <p>LED Vesta DTW 15mm (33W)            FWHM / FWTM 16.0° / 40.0 + 39.0°            Efficiency 93 %            Peak intensity 6.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 632b Hekla XL</p>	
<p></p> <p>LED Vesta DTW 9mm (4W/6W/12W)            FWHM / FWTM 10.0 + 11.0° / 28.0°            Efficiency 94 %            Peak intensity 13 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 652b Hekla</p>	
<p></p> <p>LED Vesta TW 13mm (18W) DP            FWHM / FWTM 14.0° / 36.0 + 34.0°            Efficiency 92 %            Peak intensity 7.8 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 492 Typ L8</p>	

#### OPTICAL RESULTS (SIMULATED):

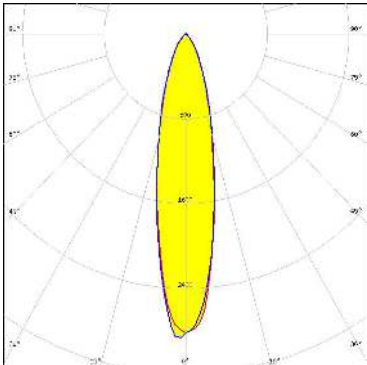
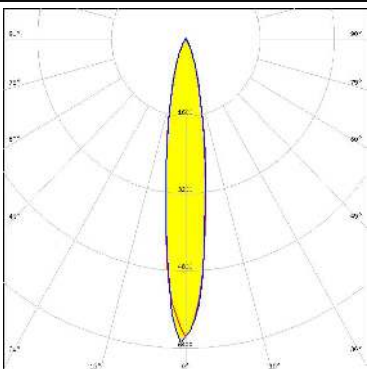
<p></p> <p>LED Vesta TW 15mm DP            FWHM / FWTM 18.0° / 41.0°            Efficiency 92 %            Peak intensity 5.7 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 482 Typ L8</p>	
<p></p> <p>LED Vesta TW 18mm (31W) DP            FWHM / FWTM 20.0° / 48.0°            Efficiency 86 %            Peak intensity 4.1 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 462 Typ L8</p>	
<p></p> <p>LED Vesta TW 9mm (9W) DP            FWHM / FWTM 14.0° / 37.0 + 38.0°            Efficiency 94 %            Peak intensity 7.9 cd/lm            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 489 Typ L8</p>	
<p><b>CITIZEN</b></p> <p>LED CLL03x/CLU03x            FWHM / FWTM 14.0° / 36.0°            Efficiency 92 %            Peak intensity 7.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17438_HEKLA-G2-I</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204/1205</p> <p>FWHM / FWTM 14.0° / 35.0 + 36.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 8.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1205HD</p> <p>FWHM / FWTM 12.0° / 32.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 9.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1208</p> <p>FWHM / FWTM 16.0° / 40.0 + 39.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 6.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1211</p> <p>FWHM / FWTM 20.0° / 49.0 + 48.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 4.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 631b Hekla XL</p>	



#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1213/1216/1812</p> <p>FWHM / FWTM 23.0 + 22.0° / 56.0 + 57.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 631b Hekla XL</p>	
<p><b>SAMSUNG</b></p> <p>LED LC016D / LC019D / LC026D / LC033D</p> <p>FWHM / FWTM 16.0° / 40.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 6.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>	

### 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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