

## ADELIA-110-S

~15° spot beam

### SPECIFICATION:

Dimensions	Ø 109.8 mm
Height	57.9 mm
Fastening	snaps
ROHS compliant	yes ⓘ

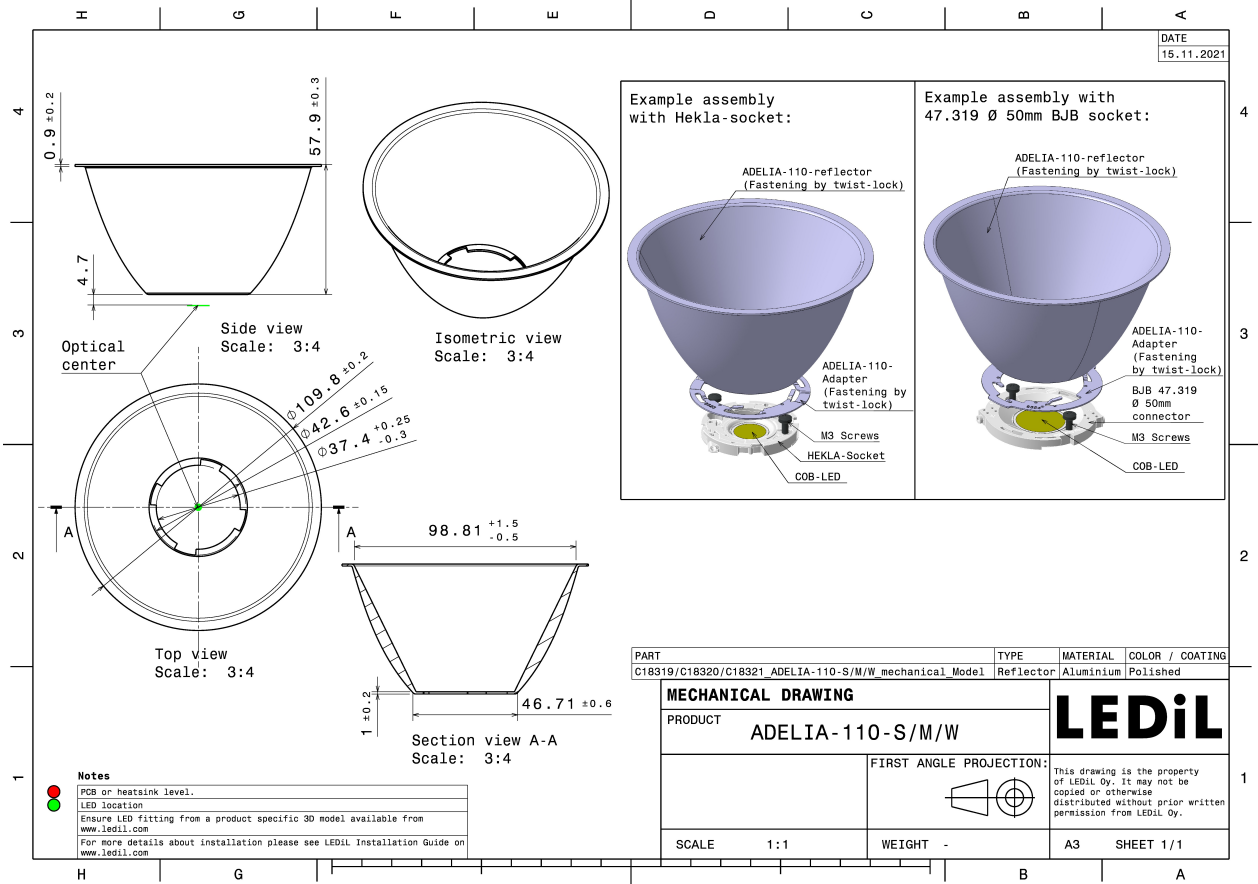
### MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ADELIA-110-S	Reflector	Aluminium	metal	gloss	Anodized



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18319_ADELIA-110-S » Box size: 400 x 280 x 280 mm	360	60	60	13.7



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

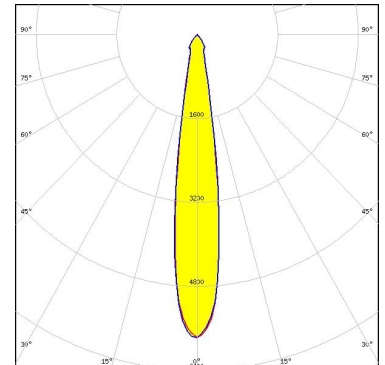
#### OPTICAL RESULTS (SIMULATED):

bridgelux.

LED V18 Gen 8  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 84 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C18323\_ADELIA-110-ADAPTER-C  
 Bender Wirth: 639b Hekla XL

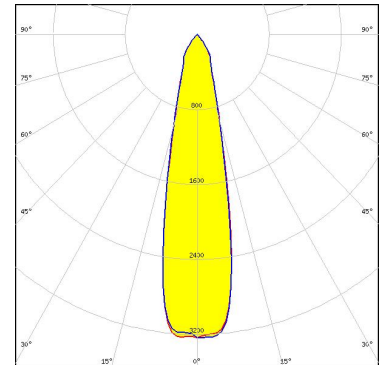
bridgelux.

LED V22 Gen 8  
 FWHM / FWTM 16.0° / 33.0°  
 Efficiency 87 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C18323\_ADELIA-110-ADAPTER-C  
 Bender Wirth: 631b Hekla XL



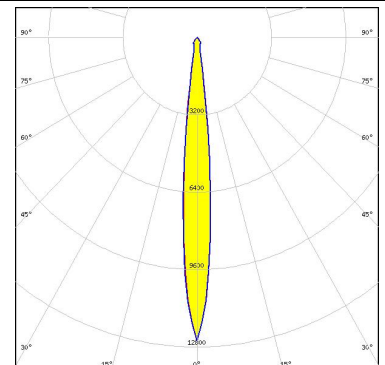
bridgelux.

LED Vero SE 29  
 FWHM / FWTM 24.0° / 55.0°  
 Efficiency 89 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


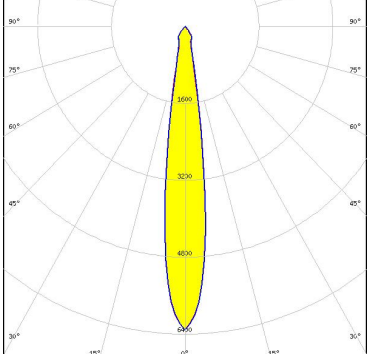
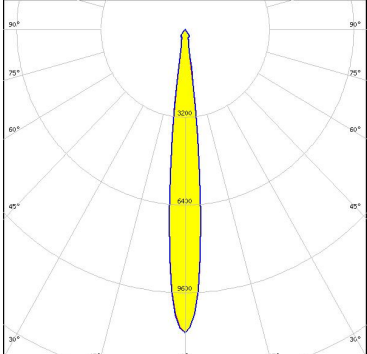
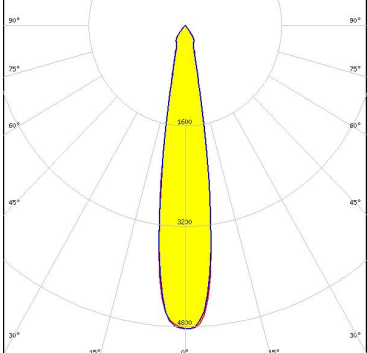

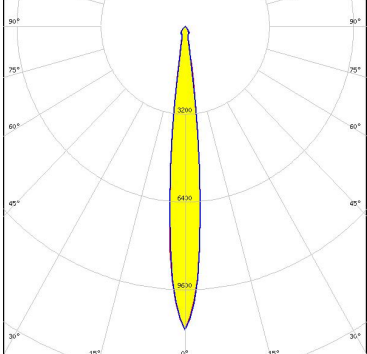


bridgelux.

LED VERO13  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 88 %  
 Peak intensity 12.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C18264\_HEKLA-SOCKET-VERO18  
 C18323\_ADELIA-110-ADAPTER-C



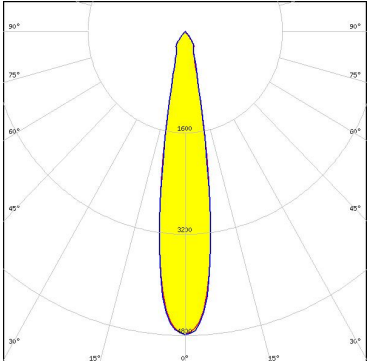
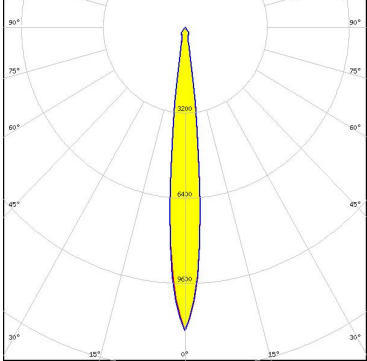
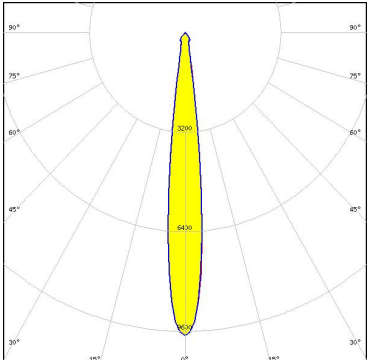
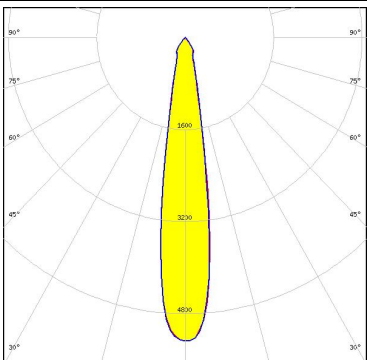
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED: VERO18            FWHM / FWTM: 16.0° / 30.0°            Efficiency: 83 %            Peak intensity: 6.3 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            C18264_HEKLA-SOCKET-VERO18            C18323_ADELIA-110-ADAPTER-C</p>	
<p><b>CITIZEN</b></p> <p>LED: CLL03x/CLU03x            FWHM / FWTM: 12.0° / 22.0°            Efficiency: 91 %            Peak intensity: 11.1 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            F17438_HEKLA-G2-I            C18323_ADELIA-110-ADAPTER-C</p>	
<p><b>CITIZEN</b></p> <p>LED: CLL04x/CLU04x            FWHM / FWTM: 18.0° / 38.0°            Efficiency: 89 %            Peak intensity: 4.9 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            C18324_ADELIA-110-ADAPTER-B            Bender Wirth: 631a Bayonet50</p>	
<p></p> <p>LED: CMA1840            FWHM / FWTM: 12.0° / 22.0°            Efficiency: 89 %            Peak intensity: 11.1 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            C18324_ADELIA-110-ADAPTER-B            Bender Wirth: 637a Bayonet50</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE LED</b></p> <p>LED: CMA3090            FWHM / FWTM: 18.0° / 40.0°            Efficiency: 89 %            Peak intensity: 4.7 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            C18324_ADELIA-110-ADAPTER-B            BJB: 47.319.2151</p>	
<p><b>CREE LED</b></p> <p>LED: CMU22xx            FWHM / FWTM: 18.0° / 39.0°            Efficiency: 89 %            Peak intensity: 4.8 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            C18324_ADELIA-110-ADAPTER-B            Bender Wirth: 631a Bayonet50</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON CoB 1208            FWHM / FWTM: 12.0° / 22.0°            Efficiency: 89 %            Peak intensity: 11 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            C18324_ADELIA-110-ADAPTER-B            Bender Wirth: 632a Bayonet50</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON CoB 1213/1216/1812            FWHM / FWTM: 20.0° / 41.0°            Efficiency: 89 %            Peak intensity: 4.5 cd/lm            LEDs/each optic: 1            Light colour: White</p> <p>Required components:            C18324_ADELIA-110-ADAPTER-B            Bender Wirth: 631a Bayonet50</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMINUS</b></p> <p>LED CxM-22 (28x28)</p> <p>FWHM / FWTM 18.0° / 40.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 4.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C18324_ADELIA-110-ADAPTER-B Bender Wirth: 631a Bayonet50</p>	
<p><b>NICHIA</b></p> <p>LED COB J-Type</p> <p>FWHM / FWTM 12.0° / 22.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 11.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C18324_ADELIA-110-ADAPTER-B Bender Wirth: 663a Bayonet50</p>	
<p><b>SAMSUNG</b></p> <p>LED LC016D / LC019D / LC026D / LC033D</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 9.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I C18323_ADELIA-110-ADAPTER-C</p>	
<p><b>SAMSUNG</b></p> <p>LED LC040D / LC060D / LC080D</p> <p>FWHM / FWTM 18.0° / 38.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C18324_ADELIA-110-ADAPTER-B BJB: 47.319.2030</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.

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