

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

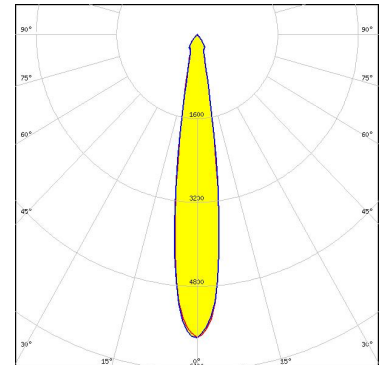
OPTICAL RESULTS (SIMULATED):

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

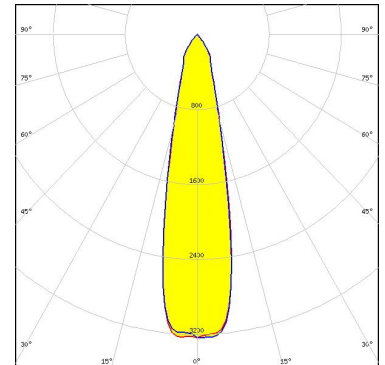
bridgelux.

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



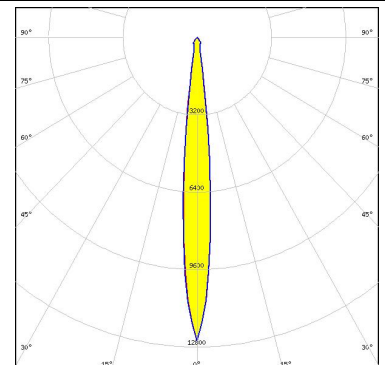
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LED Vero SE 29
 FWHM / FWTM 24.0° / 55.0°
 Efficiency 89 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


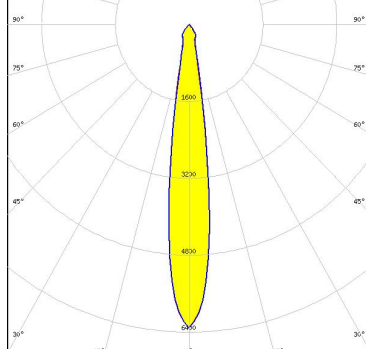
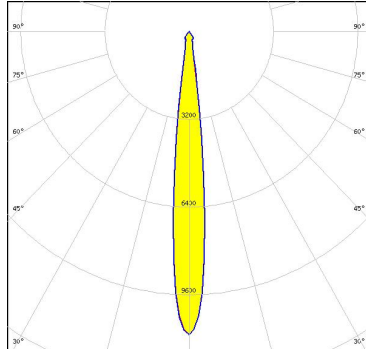
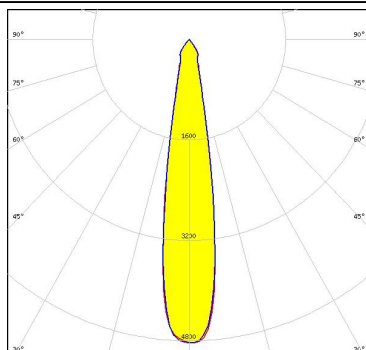

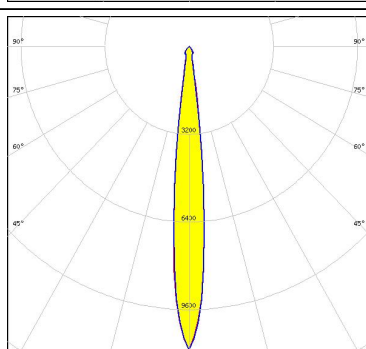


bridgelux.

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



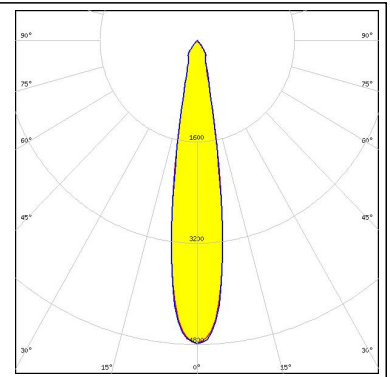
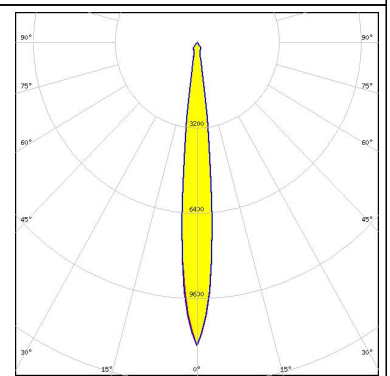
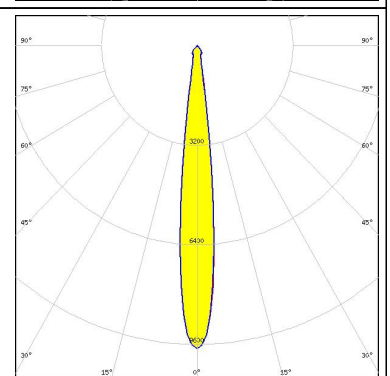
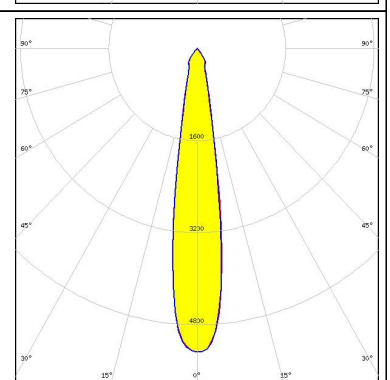
OPTICAL RESULTS (SIMULATED):

<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>CITIZEN</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>CITIZEN</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>CREE LED</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>CREE LED</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>LUMILEDS</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>LUMILEDS</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>LUMINUS</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>NICHIA</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>SAMSUNG</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>SAMSUNG</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.

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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