

## ADELIA-70-M

~24° medium beam

### SPECIFICATION:

Dimensions	Ø 69.7 mm
Height	42.8 mm
Fastening	snaps
ROHS compliant	yes ⓘ

### MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ADELIA-70-M	Reflector	Aluminium	metal	gloss	Anodized



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18424_ADELIA-70-M » Box size: 400 x 300 x 300 mm	840	70	70	14.0



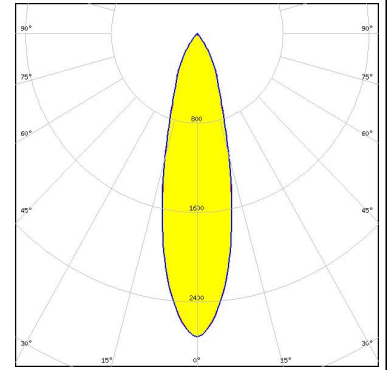
#### OPTICAL RESULTS (MEASURED):

bridgelux

LED V18 Gen 8-9  
FWHM / FWTM 27.0° / 62.0°  
Efficiency 84 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C18432\_ADELIA-ADAPTER-C  
Bender Wirth: 639b Hekla XL



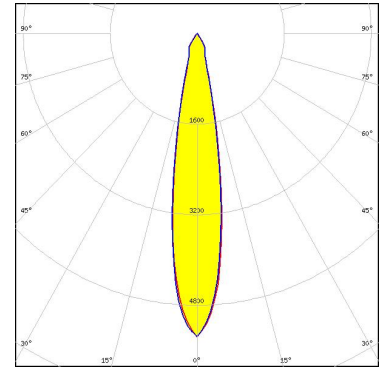
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED V10 Gen 8-9  
FWHM / FWTM 18.0° / 36.0°  
Efficiency 88 %  
Peak intensity 5.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C18431\_ADELIA-ADAPTER-B

BJB: 47.360.1020

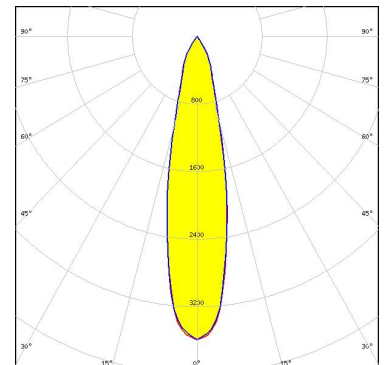


Light distribution files



LED V13 Gen 8-9  
FWHM / FWTM 23.0° / 53.0°  
Efficiency 84 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C18432\_ADELIA-ADAPTER-C

Bender Wirth: 633c Hekla

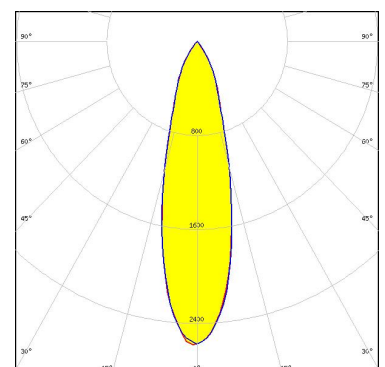


Light distribution files



LED V18 Gen 8-9  
FWHM / FWTM 26.0° / 60.0°  
Efficiency 79 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C18432\_ADELIA-ADAPTER-C

Bender Wirth: 639b Hekla XL



Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED V22 Gen 8-9  
 FWHM / FWTM 28.0° / 62.0°  
 Efficiency 75 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C18432\_ADELIA-ADAPTER-C

Bender Wirth: 631b Hekla XL

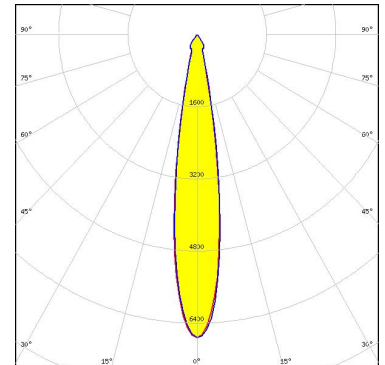


LED V6 HD Gen 7  
 FWHM / FWTM 17.1° / 32.2 + 31.2°  
 Efficiency 93 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

F15253\_HEKLA-SOCKET-A

C18432\_ADELIA-ADAPTER-C



Light distribution files

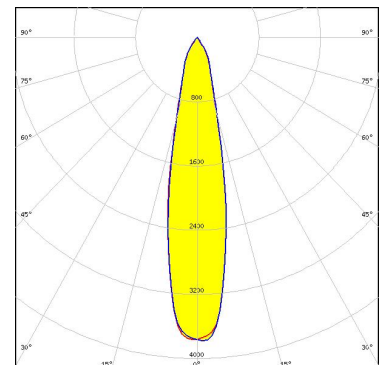


LED VERO13  
 FWHM / FWTM 22.0° / 50.0°  
 Efficiency 84 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C18264\_HEKLA-SOCKET-VERO18

C18432\_ADELIA-ADAPTER-C



Light distribution files

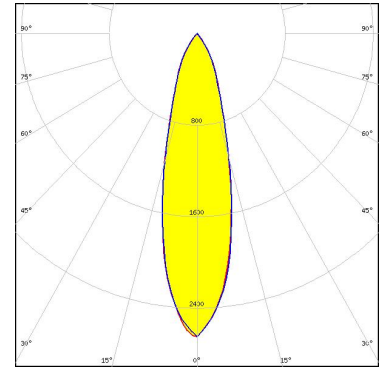
### OPTICAL RESULTS (SIMULATED):



LED VERO18  
 FWHM / FWTM 26.0° / 60.0°  
 Efficiency 81 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C18264\_HEKLA-SOCKET-VERO18  
 C18432\_ADELIA-ADAPTER-C



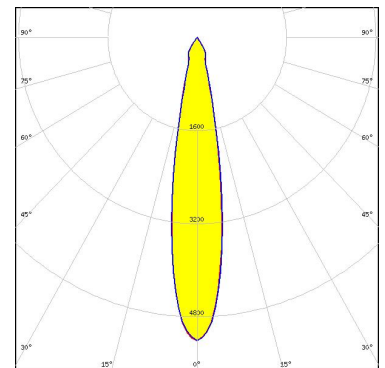
Light distribution files



LED CMU10xx  
 FWHM / FWTM 20.0° / 36.0°  
 Efficiency 88 %  
 Peak intensity 5.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

C18431\_ADELIA-ADAPTER-B



Light distribution files

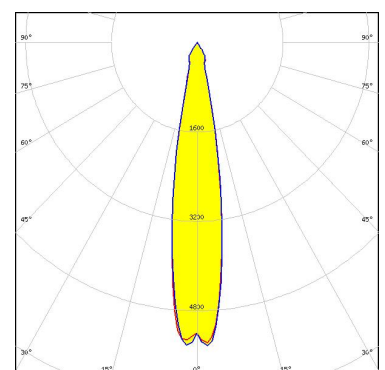
BJB: 47.360.1020



LED CXA/B 15xx  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 87 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

F17436\_HEKLA-G2-D  
 C18432\_ADELIA-ADAPTER-C



Light distribution files

### OPTICAL RESULTS (SIMULATED):

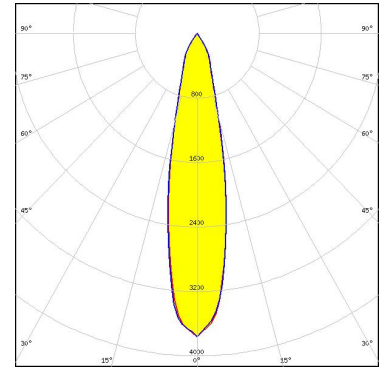


LED CXA/B 1830  
FWHM / FWTM 22.0° / 52.0°  
Efficiency 85 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C18432\_ADELIA-ADAPTER-C

Bender Wirth: 637b Hekla



Light distribution files

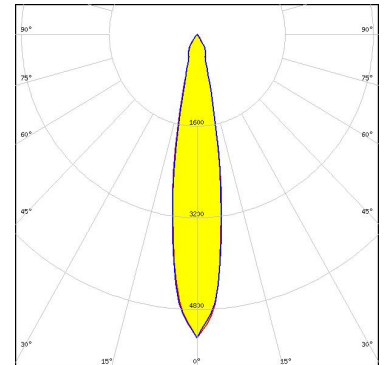


LED LC003D / LC006D / LC009D / LC013D  
FWHM / FWTM 18.0° / 36.0°  
Efficiency 87 %  
Peak intensity 5.3 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17435\_HEKLA-G2-C

C18432\_ADELIA-ADAPTER-C



Light distribution files

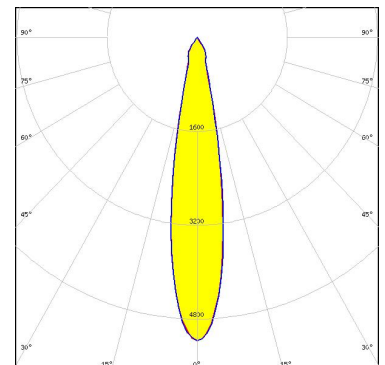


LED LC003D / LC006D / LC009D / LC013D  
FWHM / FWTM 20.1° / 36.2 + 37.2°  
Efficiency 90 %  
Peak intensity 5.2 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17435\_HEKLA-G2-C

C18432\_ADELIA-ADAPTER-C

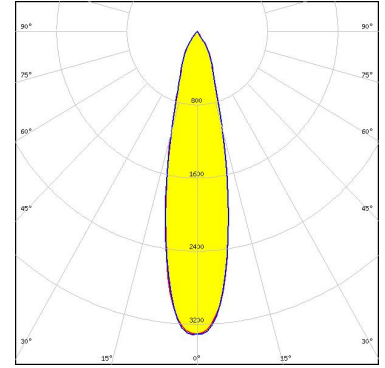


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

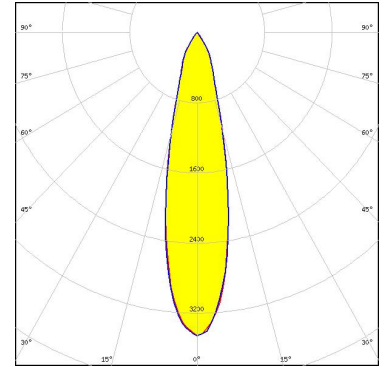
LED LC016D / LC019D / LC026D / LC033D  
FWHM / FWTM 24.0° / 56.0°  
Efficiency 85 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I  
C18432\_ADELIA-ADAPTER-C



Light distribution files

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
FWHM / FWTM 24.1° / 56.3 + 55.3°  
Efficiency 88 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I  
C18432\_ADELIA-ADAPTER-C



Light distribution files



### 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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