

## ADELIA-70-S

~15° spot beam



### SPECIFICATION:

|                |   |
|----------------|---|
| Dimensions     | Ø 69.7  |
| Height         | 42.8 mm   |
| Fastening      | snaps   |
| ROHS compliant | yes  |

### MATERIALS:

LEDiL

### Component

ADELIA-70-S

### Type

Reflector

### Material

Aluminium

### Colour

metal

### Finish

gloss

### Coating

Anodized

### ORDERING INFORMATION:

#### Component

C18423\_ADELIA-70-S

» Box size: 400 x 300 x 300 mm

#### Qty in box

840

#### MOQ

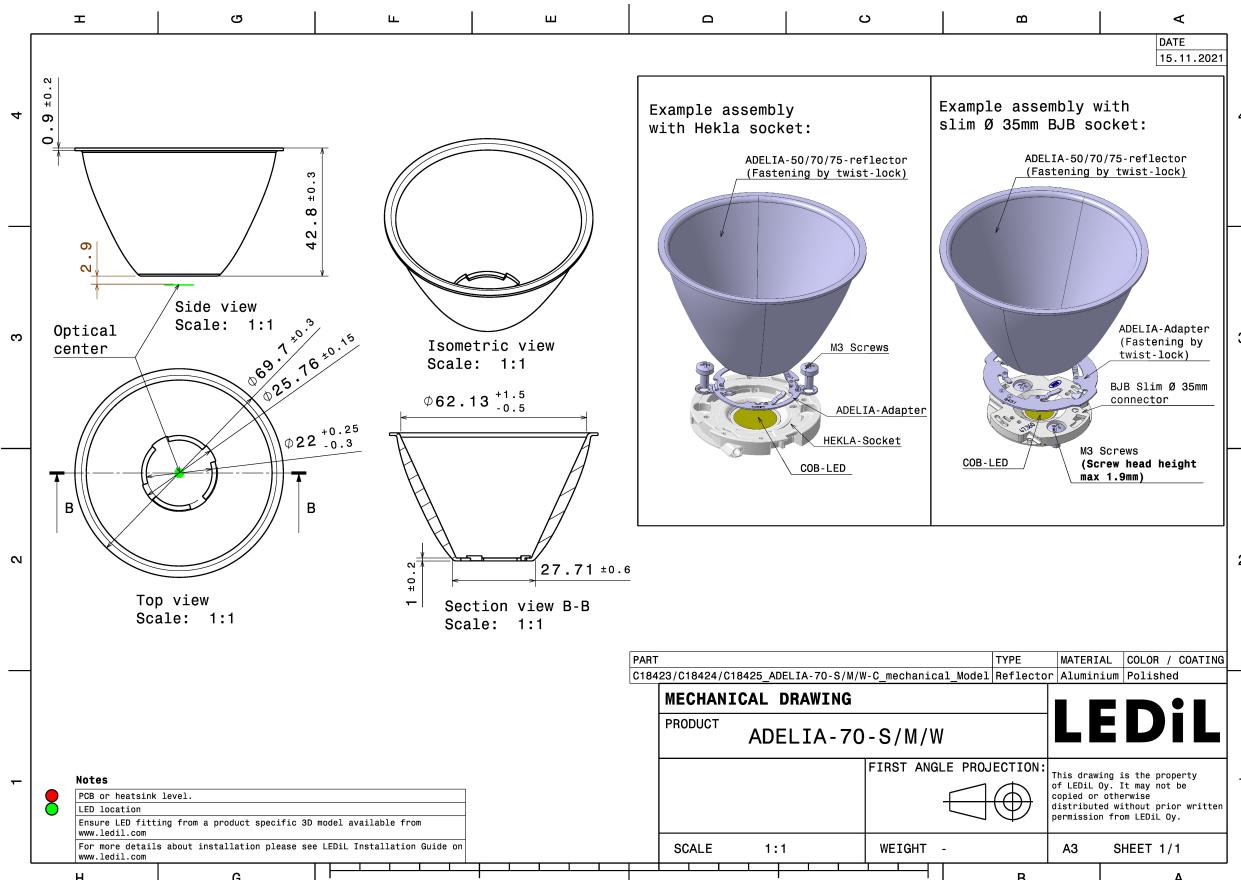
70

#### MPQ

70

#### Box weight (kg)

15.5



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

## OPTICAL RESULTS (MEASURED):



LED V18 Gen 8-9

FWHM / FWTM 23.0° / 59.0°

Efficiency 84 %

Peak intensity 3.2 cd/lm

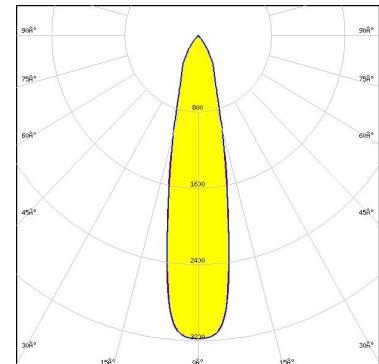
LEDs/each optic 1

Light colour/type White

Required components:

C18432\_ADELIA-ADAPTER-C

Bender Wirth: 639b Hekla XL



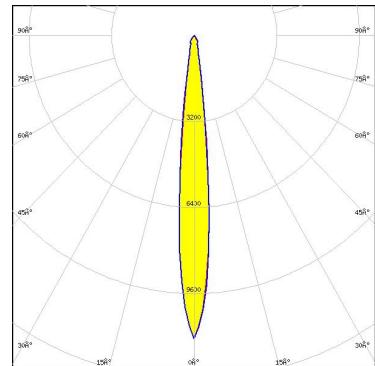
Light distribution files

## OPTICAL RESULTS (SIMULATED):



LED V10 Gen 8-9  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 88 %  
 Peak intensity 11.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18431\_ADELIA-ADAPTER-B

BBJ: 47.360.1020

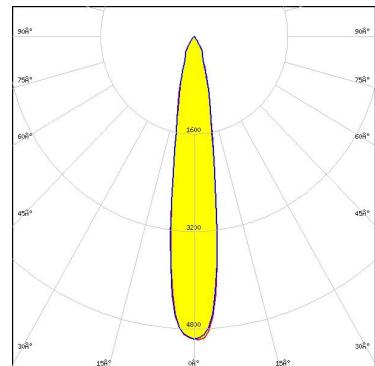


Light distribution files



LED V13 Gen 8-9  
 FWHM / FWTM 18.0° / 41.0°  
 Efficiency 84 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18432\_ADELIA-ADAPTER-C

Bender Wirth: 633c Hekla

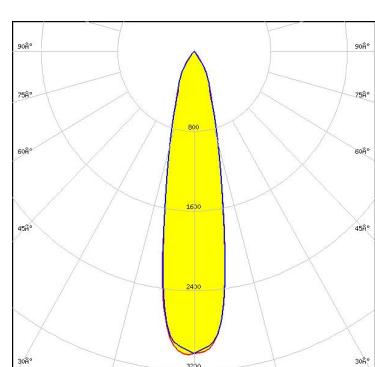


Light distribution files



LED V18 Gen 8-9  
 FWHM / FWTM 22.0° / 56.0°  
 Efficiency 79 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18432\_ADELIA-ADAPTER-C

Bender Wirth: 639b Hekla XL

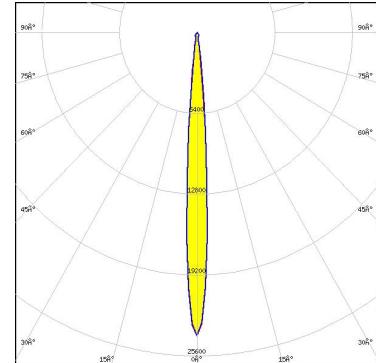


Light distribution files

## OPTICAL RESULTS (SIMULATED):



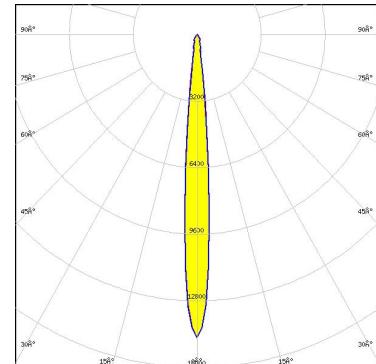
**LED** V6 HD Gen 7  
**FWHM / FWTM** 8.0° / 16.1°  
**Efficiency** 93 %  
**Peak intensity** 24 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15253\_HEKLA-SOCKET-A  
 C18432\_ADELIA-ADAPTER-C



Light distribution files



**LED** V9 HD Gen 8  
**FWHM / FWTM** 10.0° / 20.0°  
**Efficiency** 87 %  
**Peak intensity** 14.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C18432\_ADELIA-ADAPTER-C

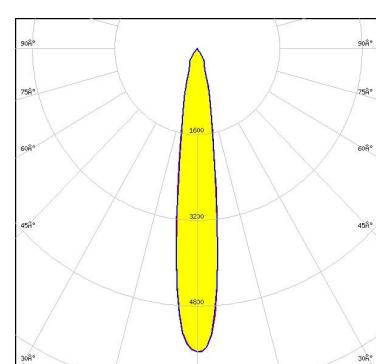


Bender Wirth: 633d Hekla

Light distribution files



**LED** VERO13  
**FWHM / FWTM** 16.0° / 38.0°  
**Efficiency** 84 %  
**Peak intensity** 5.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C18264\_HEKLA-SOCKET-VERO18  
 C18432\_ADELIA-ADAPTER-C

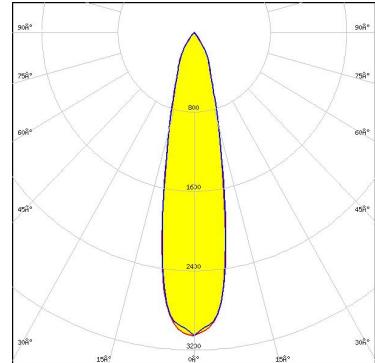


Light distribution files

### OPTICAL RESULTS (SIMULATED):



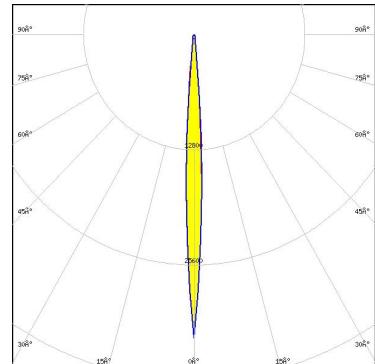
**LED** VERO18  
**FWHM / FWTM** 24.0° / 58.0°  
**Efficiency** 81 %  
**Peak intensity** 3.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C18264\_HEKLA-SOCKET-VERO18  
 C18432\_ADELIA-ADAPTER-C



Light distribution files



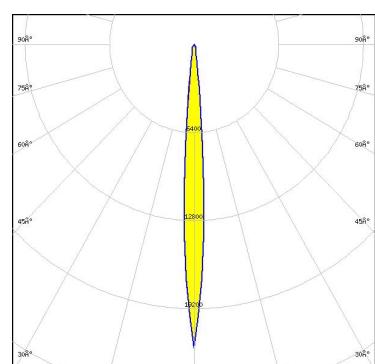
**LED** CHA0410  
**FWHM / FWTM** 6.0° / 14.0°  
**Efficiency** 88 %  
**Peak intensity** 33.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17435\_HEKLA-G2-C  
 C18432\_ADELIA-ADAPTER-C



Light distribution files



**LED** CHA0612  
**FWHM / FWTM** 8.0° / 16.0°  
**Efficiency** 88 %  
**Peak intensity** 22.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17435\_HEKLA-G2-C  
 C18432\_ADELIA-ADAPTER-C

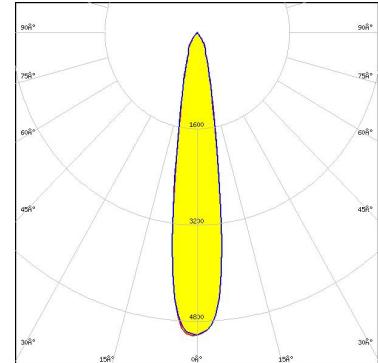


Light distribution files

## OPTICAL RESULTS (SIMULATED):



LED CMA1840  
FWHM / FWTM 18.0° / 40.0°  
Efficiency 86 %  
Peak intensity 5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C18432\_ADELIA-ADAPTER-C

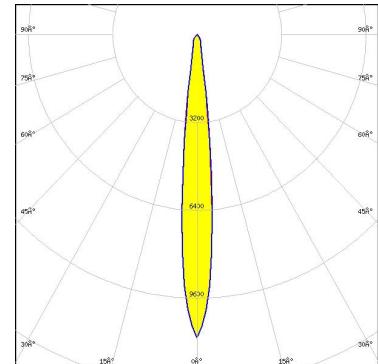


Bender Wirth: 637a Hekla

Light distribution files



LED CMU10xx  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 88 %  
Peak intensity 11 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C18431\_ADELIA-ADAPTER-B

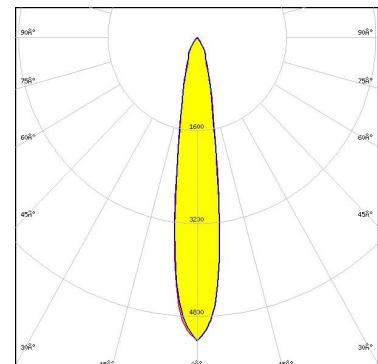


BJB: 47.360.1020

Light distribution files



LED CMU15xx  
FWHM / FWTM 16.0° / 40.0°  
Efficiency 86 %  
Peak intensity 5.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I  
C18432\_ADELIA-ADAPTER-C

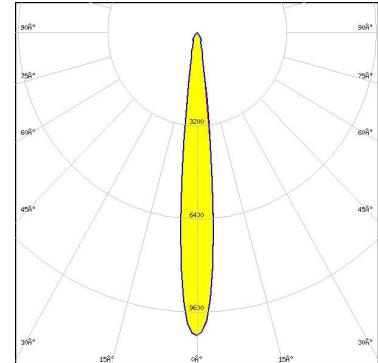


Light distribution files

## OPTICAL RESULTS (SIMULATED):

**SAMSUNG**

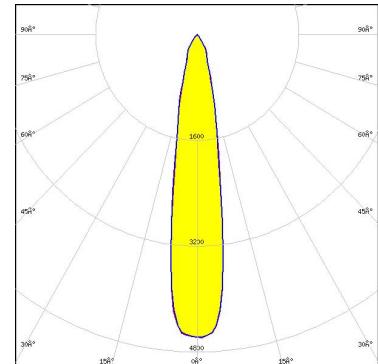
|                         |                                   |
|-------------------------|-----------------------------------|
| LED                     | LC003D / LC006D / LC009D / LC013D |
| FWHM / FWTM             | 12.1° / 24.1°                     |
| Efficiency              | 90 %                              |
| Peak intensity          | 10.4 cd/lm                        |
| LEDs/each optic         | 1                                 |
| Light colour/type       | White                             |
| Required components:    |                                   |
| F17435_HEKLA-G2-C       |                                   |
| C18432_ADELIA-ADAPTER-C |                                   |



## Light distribution files

**SAMSUNG**

|                      |                                   |
|----------------------|-----------------------------------|
| LED                  | LC016D / LC019D / LC026D / LC033D |
| FWHM / FWTM          | 18.1° / 43.2 + 44.2°              |
| Efficiency           | 88 %                              |
| Peak intensity       | 4.6 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.

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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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