

## ADELIA-70-S

~15° spot beam

### SPECIFICATION:

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

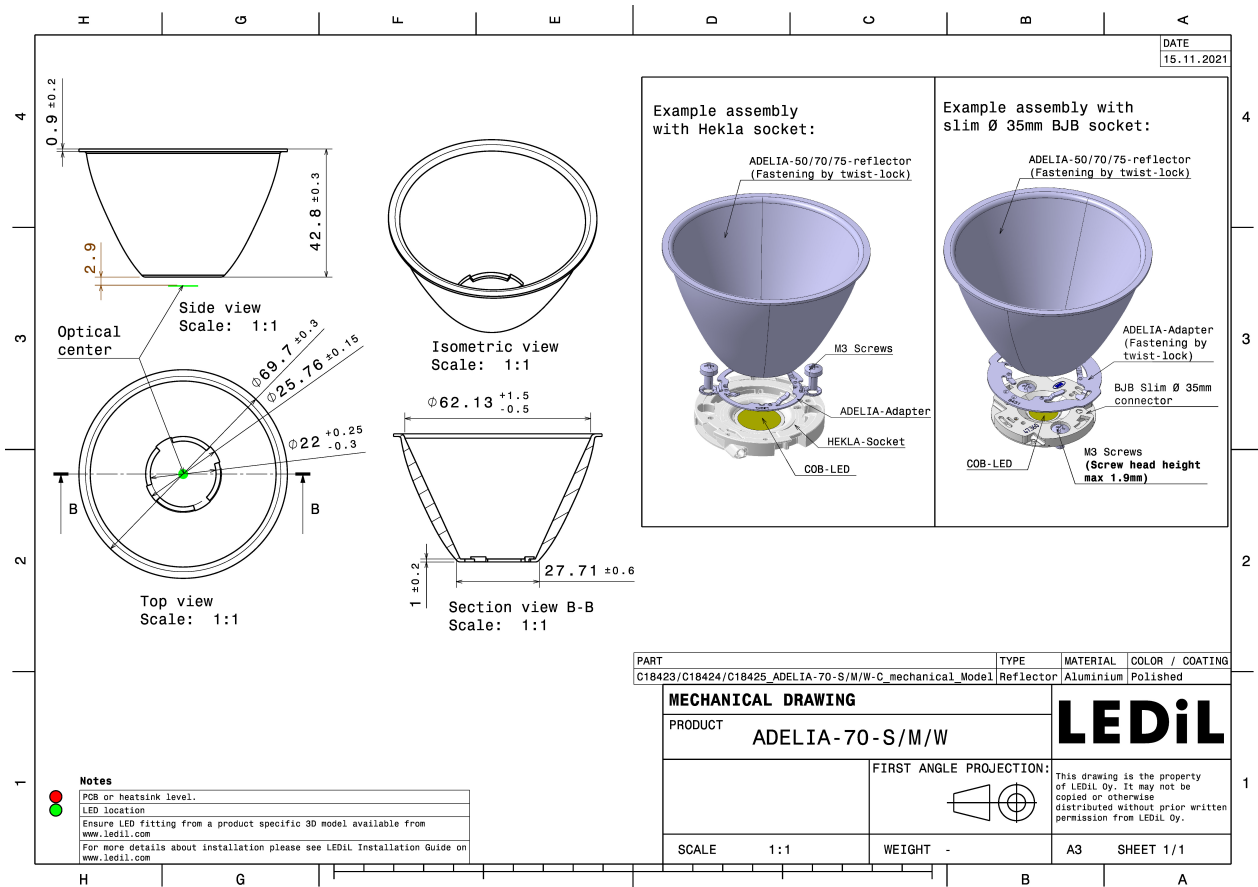
### MATERIALS:

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



### ORDERING INFORMATION:

| Component  | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| C18423_ADELIA-70-S<br>» Box size: 400 x 300 x 300 mm | 840        | 70  | 70  | 15.5            |

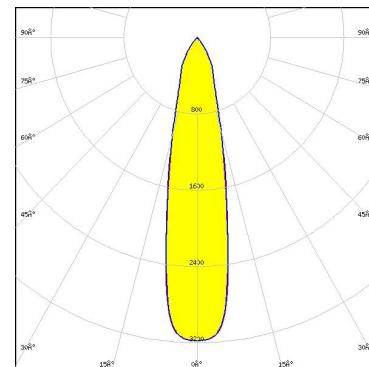


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### 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

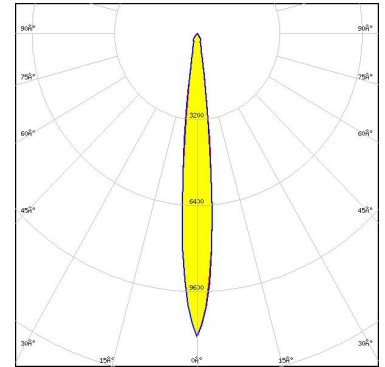
#### OPTICAL RESULTS (SIMULATED):



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

BJB: 47.360.1020



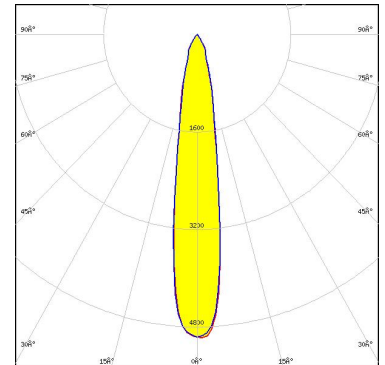
Light distribution files



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



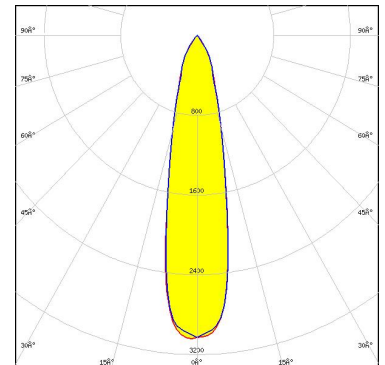
Light distribution files



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

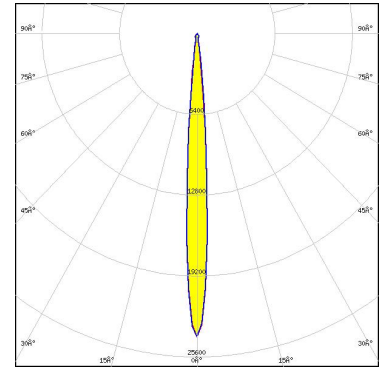
### OPTICAL RESULTS (SIMULATED):



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



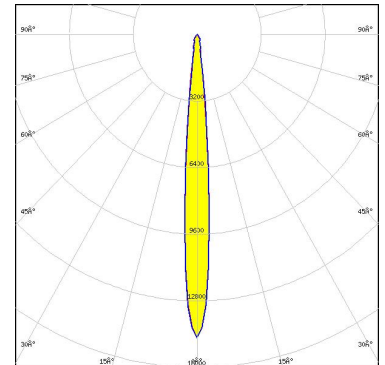
Light distribution files



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



Light distribution files

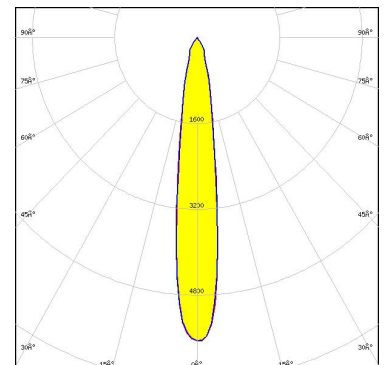
Bender Wirth: 633d Hekla



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

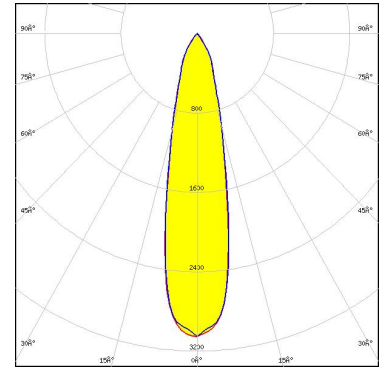
#### OPTICAL RESULTS (SIMULATED):



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



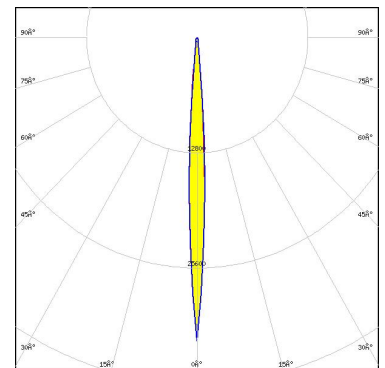
Light distribution files



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



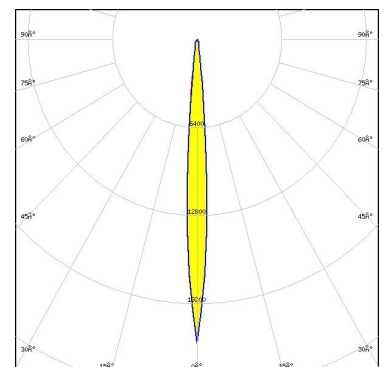
Light distribution files



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):

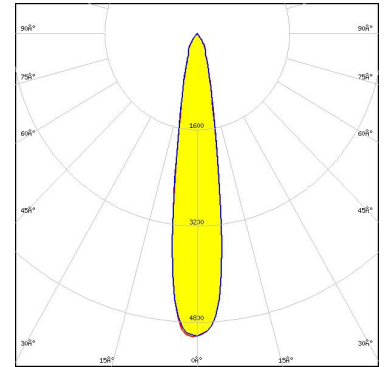


LED CMA1840  
FWHM / FWTM 18.0° / 40.0°  
Efficiency 86 %  
Peak intensity 5 cd/Im  
LEDs/each optic 1  
Light colour/type White

Required components:  
C18432\_ADELIA-ADAPTER-C

Bender Wirth: 637a Hekla

Light distribution files

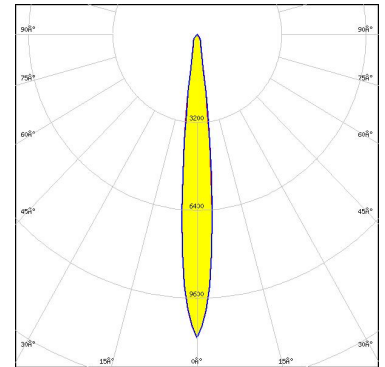


LED CMU10xx  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 88 %  
Peak intensity 11 cd/Im  
LEDs/each optic 1  
Light colour/type White

Required components:  
C18431\_ADELIA-ADAPTER-B

BJB: 47.360.1020

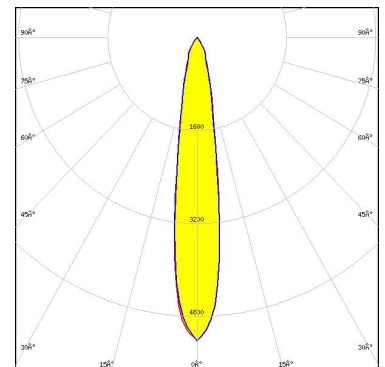
Light distribution files



LED CMU15xx  
FWHM / FWTM 16.0° / 40.0°  
Efficiency 86 %  
Peak intensity 5.2 cd/Im  
LEDs/each optic 1  
Light colour/type White

Required components:  
F17438\_HEKLA-G2-I  
C18432\_ADELIA-ADAPTER-C

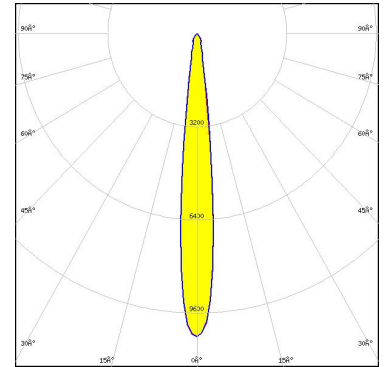
Light distribution files



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

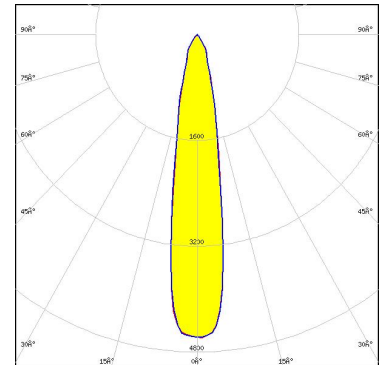
LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 12.1° / 24.1°  
 Efficiency 90 %  
 Peak intensity 10.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C  
 C18432\_ADELIA-ADAPTER-C



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.

### 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 7  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)