

## ADELIA-70-M

~24° medium beam

### SPECIFICATION:

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

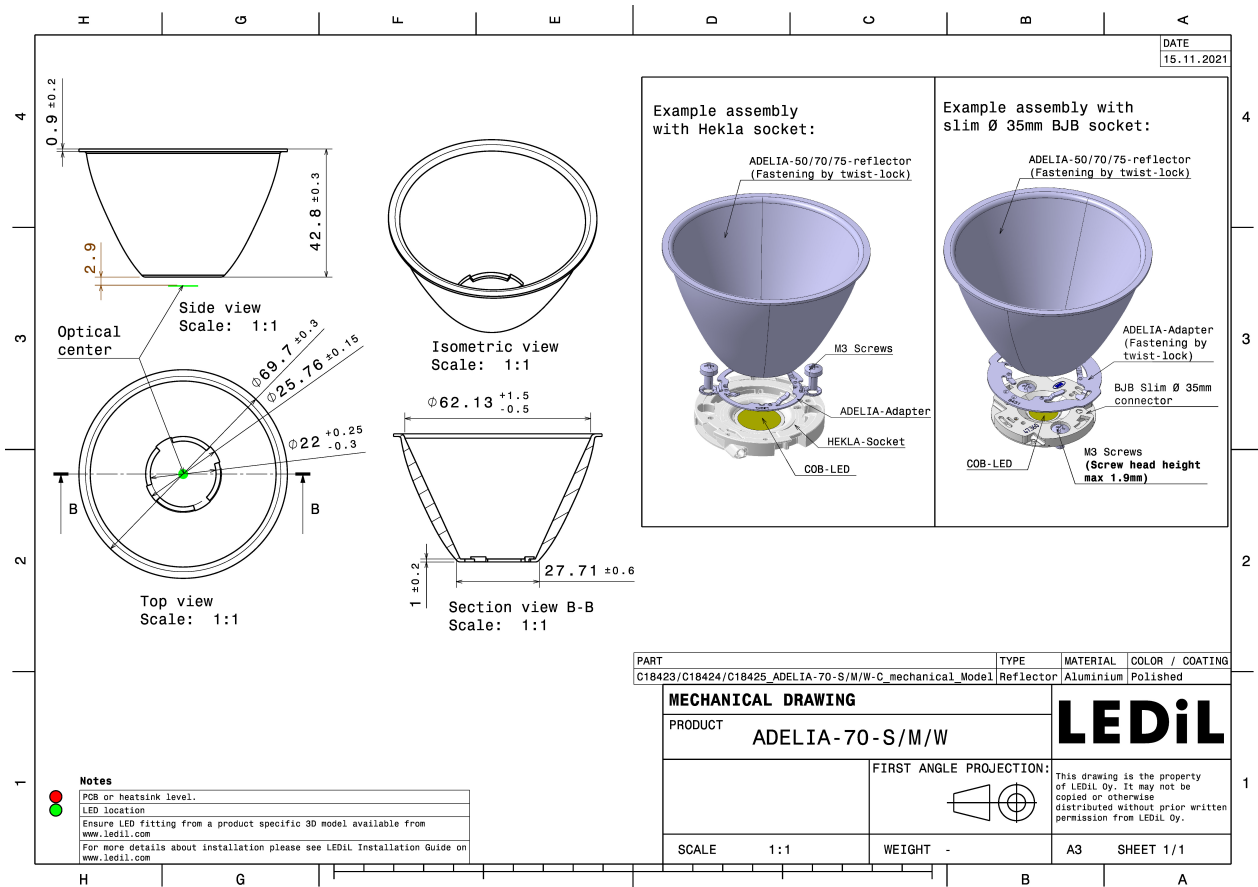
### MATERIALS:

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



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

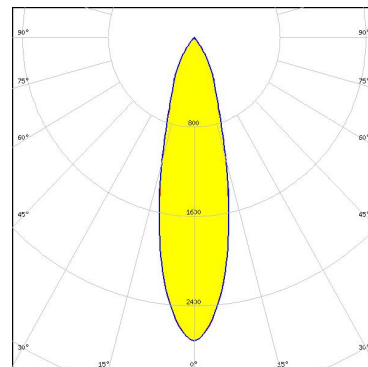
### OPTICAL RESULTS (MEASURED):



LED V18 Gen 8-9  
FWHM / FWTM 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

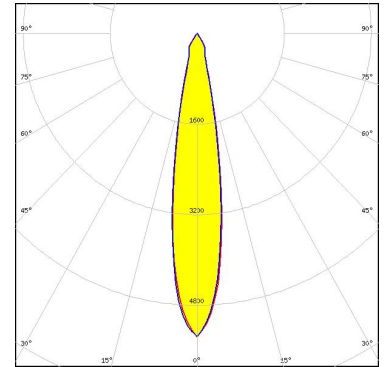
#### OPTICAL RESULTS (SIMULATED):



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



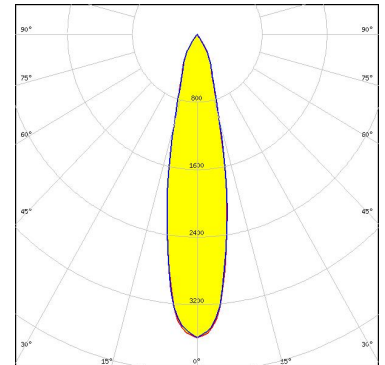
Light distribution files



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



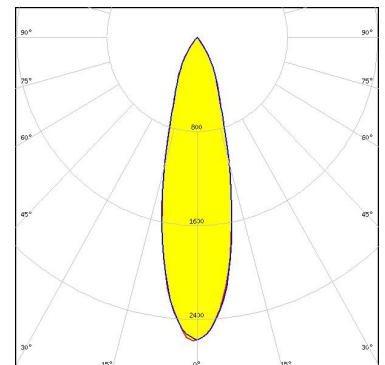
Light distribution files



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

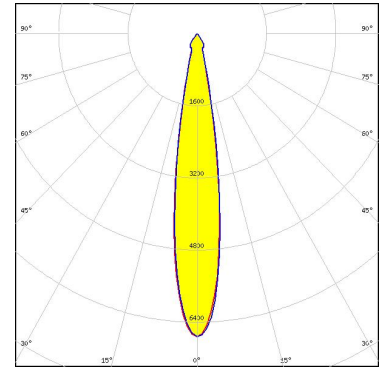
#### OPTICAL RESULTS (SIMULATED):



LED V6 Gen 8-9  
 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



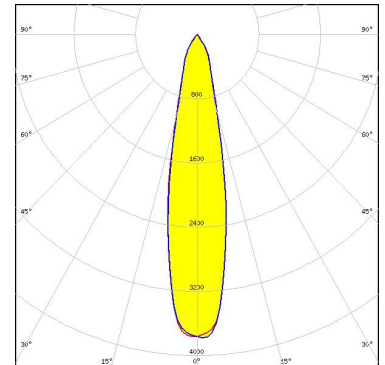
Light distribution files



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



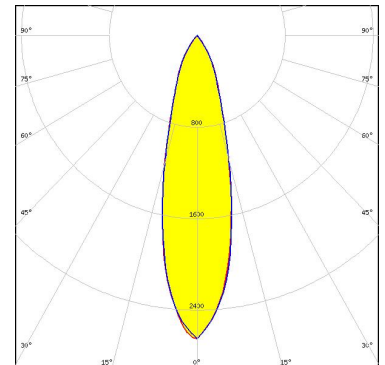
Light distribution files



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

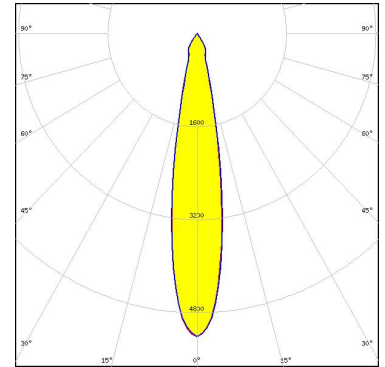
#### OPTICAL RESULTS (SIMULATED):



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

BJB: 47.360.1020

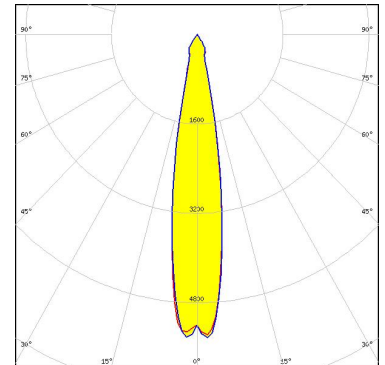


Light distribution files



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



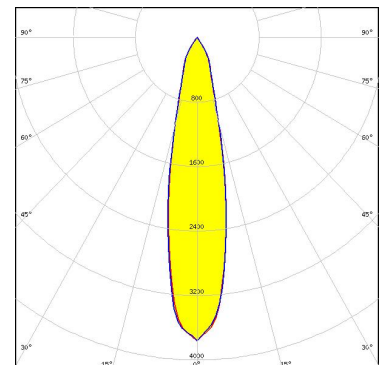
Light distribution files



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

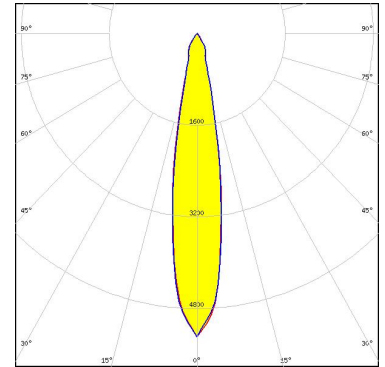


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

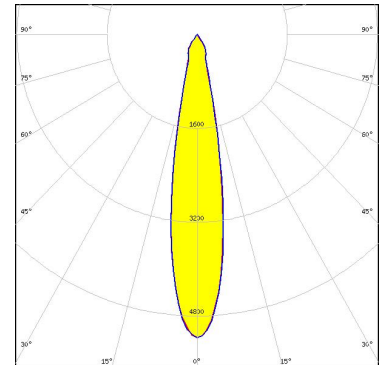
LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	18.0° / 36.0°
Efficiency	87 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	
C18432_ADELIA-ADAPTER-C	



Light distribution files

#### SAMSUNG

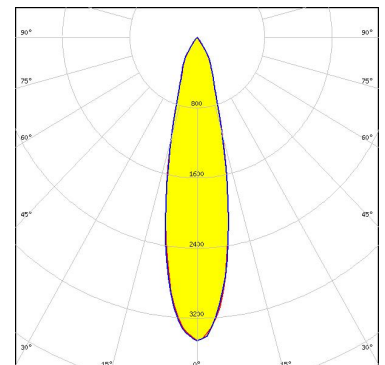
LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	20.1° / 36.2° + 37.2°
Efficiency	90 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	
C18432_ADELIA-ADAPTER-C	



Light distribution files

#### 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

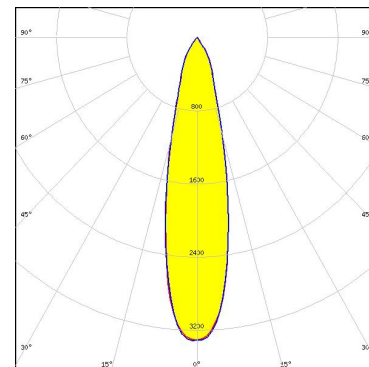
### OPTICAL RESULTS (SIMULATED):

#### 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



### 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-24100 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)