

## ADELIA-50-W

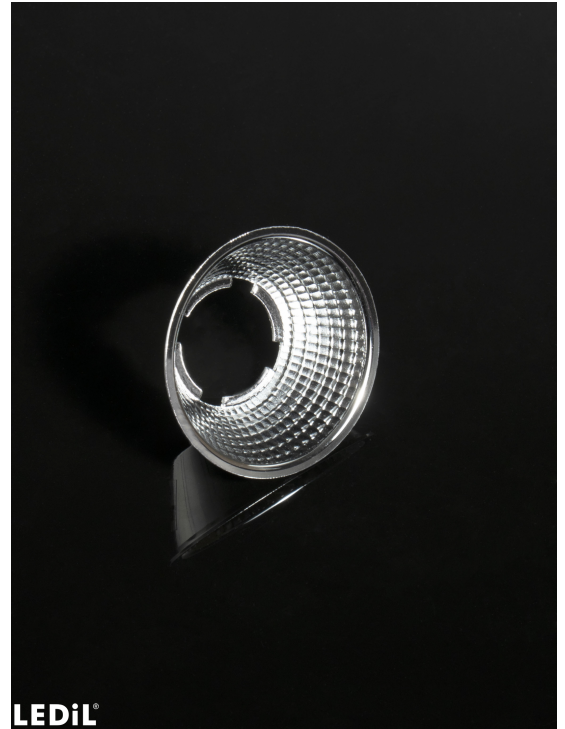
~36° wide beam

### SPECIFICATION:

Dimensions	Ø 49.8 mm
Height	18 mm
Fastening	snaps
ROHS compliant	yes ⓘ

### MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ADELIA-50-W	Reflector	Aluminium	metal	gloss	Anodized

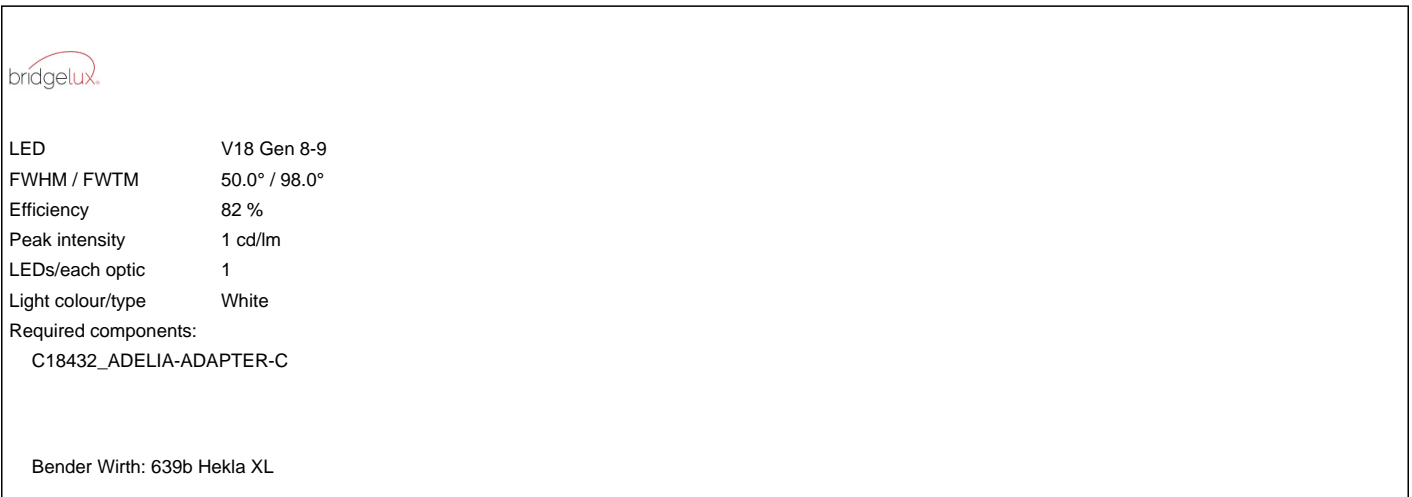
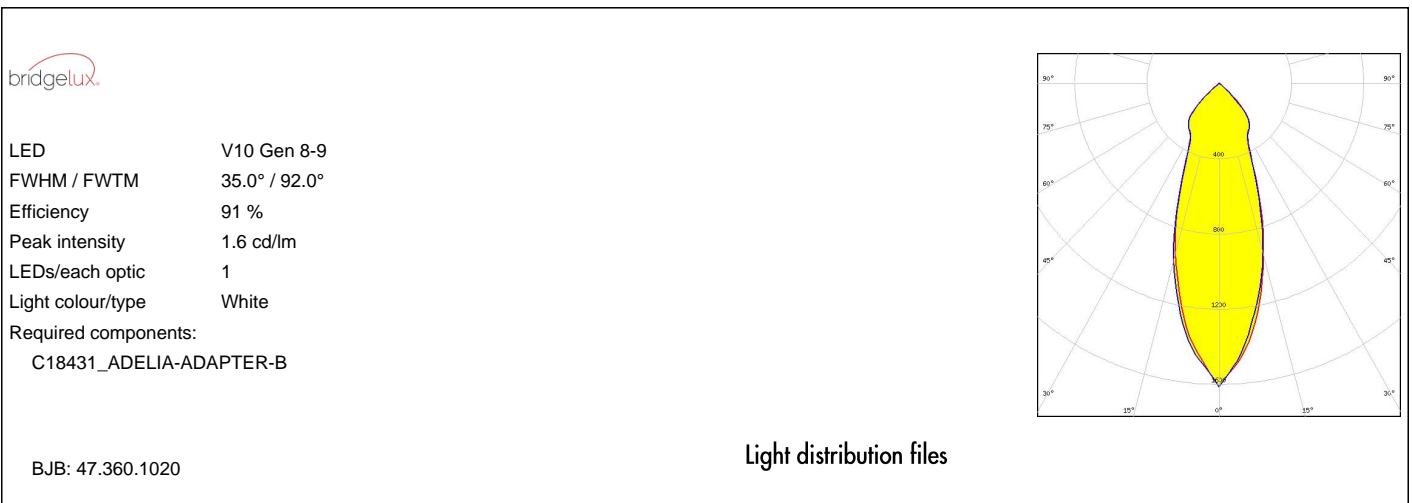
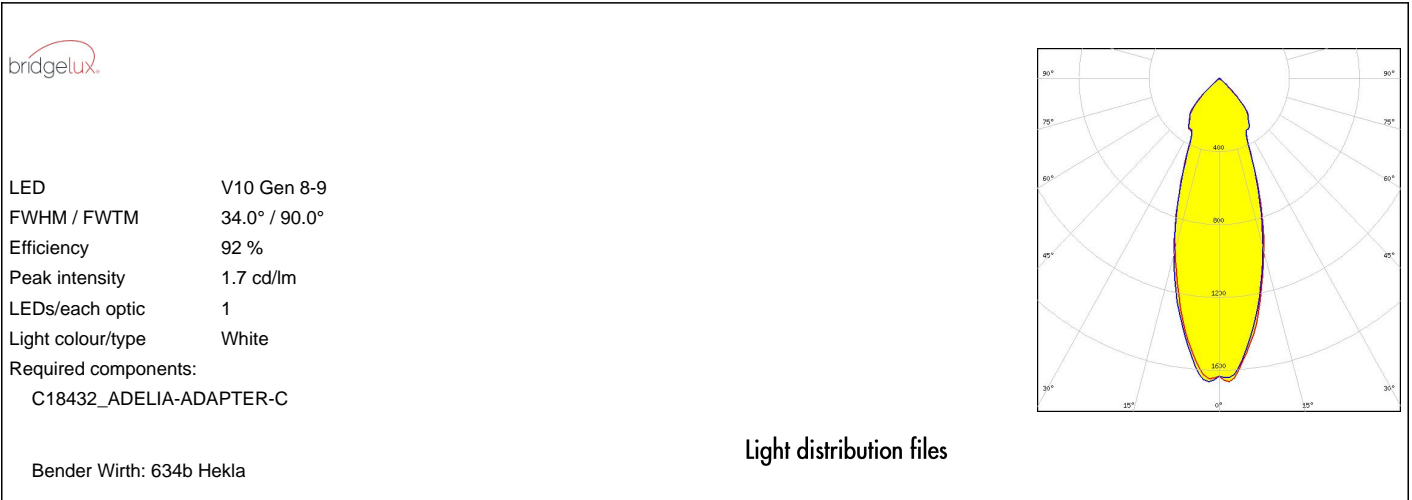


### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18317_ADELIA-50-W » Box size: 370 x 300 x 310 mm	2000	100	100	12.3



### OPTICAL RESULTS (SIMULATED):



### OPTICAL RESULTS (SIMULATED):



LED V22 Gen 8-9  
FWHM / FWTM 50.0° / 98.0°  
Efficiency 79 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C18432\_ADELIA-ADAPTER-C

Bender Wirth: 631b Hekla XL

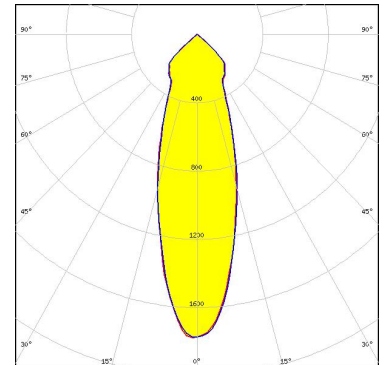


LED V6 HD Gen 7  
FWHM / FWTM 32.2° / 94.5°  
Efficiency 96 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17435\_HEKLA-G2-C

C18432\_ADELIA-ADAPTER-C



Light distribution files

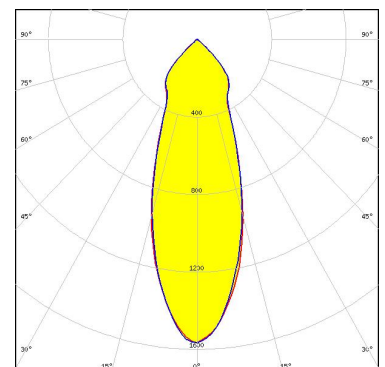
## CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 36.0° / 91.0°  
Efficiency 91 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17435\_HEKLA-G2-C

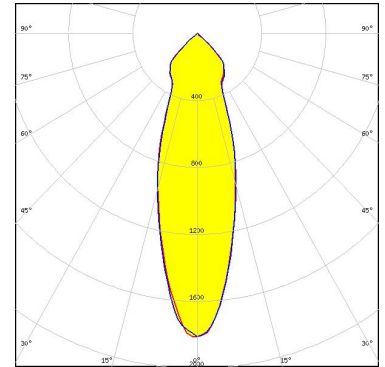
C18432\_ADELIA-ADAPTER-C



#### OPTICAL RESULTS (SIMULATED):

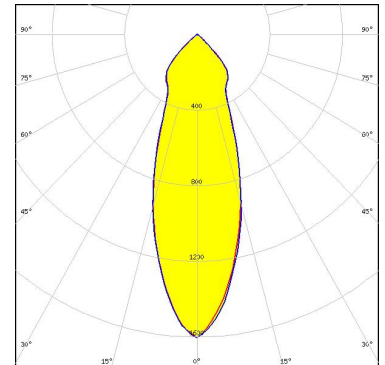
### CITIZEN

LED CLU700/701/702/703  
FWHM / FWTM 32.0° / 92.0°  
Efficiency 91 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C  
C18432\_ADELIA-ADAPTER-C



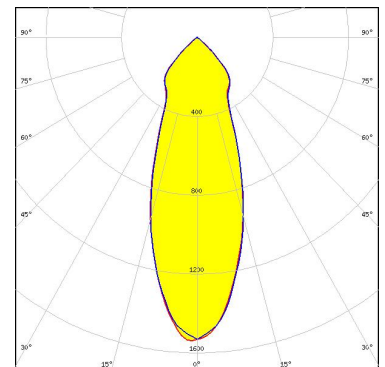
### CREE LEDs

LED CMB15xx  
FWHM / FWTM 34.0° / 91.0°  
Efficiency 90 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17436\_HEKLA-G2-D  
C18432\_ADELIA-ADAPTER-C



### CREE LEDs

LED CMU10xx  
FWHM / FWTM 36.0° / 92.0°  
Efficiency 91 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C18431\_ADELIA-ADAPTER-B



BJB: 47.360.1020

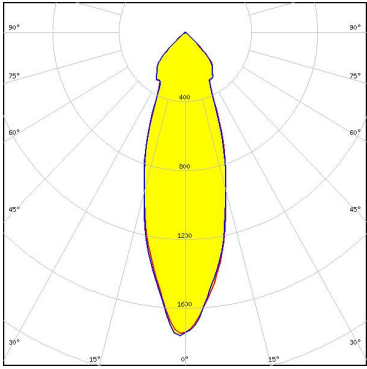
Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**LUMILEDS**

LED: LUXEON CoB 1202/1203  
 FWHM / FWTM: 32.0° / 90.0°  
 Efficiency: 92 %  
 Peak intensity: 1.8 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White

Required components:  
 F17437\_HEKLA-G2-H  
 C18432\_ADELIA-ADAPTER-C

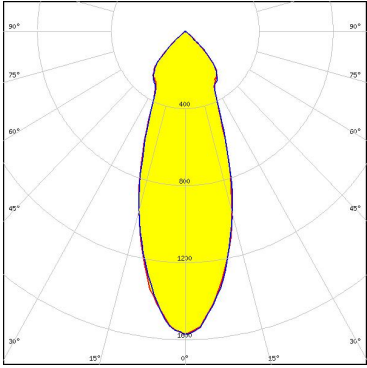


Light distribution files

**SAMSUNG**

LED: LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM: 36.2° / 90.5°  
 Efficiency: 92 %  
 Peak intensity: 1.6 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White

Required components:  
 F17435\_HEKLA-G2-C  
 C18432\_ADELIA-ADAPTER-C

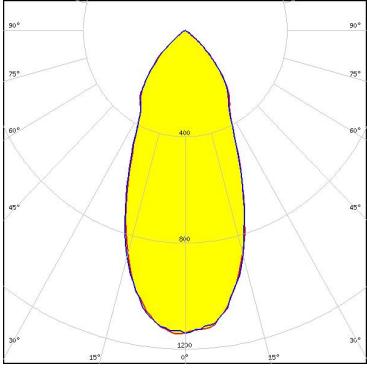


Light distribution files

**SAMSUNG**

LED: LC016D / LC019D / LC026D / LC033D  
 FWHM / FWTM: 44.2° / 94.5°  
 Efficiency: 90 %  
 Peak intensity: 1.1 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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#### LEDiL Oy

Joensuunkatu 13  
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

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