

# ADELIA-70-W

~36° wide beam

## **SPECIFICATION:**

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



PRODUCT DATASHEET

C18425\_ADELIA-70-W

### **MATERIALS:**

Component ADELIA-70-W **Type** Reflector

**Material** Aluminium

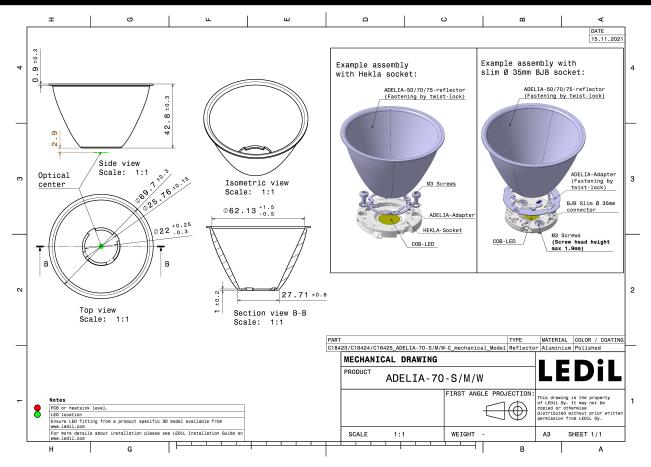
Colour	Finish	Coating
metal	gloss	Anodized

# **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18425_ADELIA-70-W	840	70	70	13.3
» Box size: 400 x 300 x 300 mm				



# PRODUCT DATASHEET C18425\_ADELIA-70-W



See also our general installation guide: www.ledil.com/installation\_guide



# **OPTICAL RESULTS (SIMULATED):**

bridgelux.		55*
LED	V10 Gen 8	
FWHM / FWTM	32.0° / 65.0°	78
Efficiency	87 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		800
C18431_ADELIA-AD	APTER-B	
BJB: 47.360.1020		
		20 <sup>5</sup> 0 <sup>7</sup> 15 <sup>4</sup>
bridgelux.		50°
LED	V13 Gen 8	
FWHM / FWTM	36.0° / 66.0°	
Efficiency	84 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	<i>₹</i>
Required components:		
C18432_ADELIA-AD	APTER-C	
Bender Wirth: 633c H	lekla	
		.30*
		133 <sup>4</sup> 0 <sup>3</sup> 133 <sup>4</sup>
bridgelux.		59*
LED	V18 Gen 8	
		75*
FWHM / FWTM	40.0° / 70.0°	
	40.0° / 70.0° 78 %	
Efficiency		ge
Efficiency Peak intensity	78 %	
Efficiency Peak intensity LEDs/each optic	78 % 1.6 cd/lm	60
Efficiency Peak intensity LEDs/each optic Light colour	78 % 1.6 cd/lm 1	60*
Efficiency Peak intensity LEDs/each optic	78 % 1.6 cd/lm 1 White	60 60 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Efficiency Peak intensity LEDs/each optic Light colour Required components:	78 % 1.6 cd/lm 1 White APTER-C	90
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AD	78 % 1.6 cd/lm 1 White APTER-C	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b H	78 % 1.6 cd/lm 1 White APTER-C	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AD Bender Wirth: 639b H	78 % 1.6 cd/lm 1 White APTER-C Hekla XL	30. 22. 60. 60. 60. 60. 60. 60. 60. 60. 60. 60
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b H	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b H bridgelux. LED FWHM / FWTM	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b H bridgelux. LED FWHM / FWTM Efficiency	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0° 75 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b I bridgelux. LED FWHM / FWTM Efficiency Peak intensity	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0° 75 % 1.5 cd/lm	400 400 400 400 400 400 400 400
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AD Bender Wirth: 639b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0° 75 % 1.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0° 75 % 1.5 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AD Bender Wirth: 639b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0° 75 % 1.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b H bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0° 75 % 1.5 cd/lm 1 White APTER-C	
Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AE Bender Wirth: 639b H bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	78 % 1.6 cd/lm 1 White APTER-C Hekla XL V22 Gen 8 40.0° / 70.0° 75 % 1.5 cd/lm 1 White APTER-C	



# **OPTICAL RESULTS (SIMULATED):**

bridgelux.		90* 90*
LED	V6 HD Gen 7	
FWHM / FWTM	30.2 + 31.2° / 68.4°	75*
Efficiency	93 %	
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 65°
Required components:		
F15253_HEKLA-SO	CKET-A	
C18432_ADELIA-AD	APTER-C	
		30° 30° 30° 30°
bridgelux.		90 <sup>6</sup>
	VER013	73.
FWHM / FWTM	34.0° / 66.0°	
Efficiency	83 %	50° 50°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		1639
C18264_HEKLA-SO		
C18432_ADELIA-AD	APTER-C	
		30°
L		
bridgelux.		90° 90°
bridgelux. LED	VERO18	
LED	VERO18 40.0° / 70.0°	31 <sup>4</sup> 52 <sup>4</sup>
LED FWHM / FWTM		90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency	40.0° / 70.0°	60°
LED FWHM / FWTM	40.0° / 70.0° 80 %	60 <sup>4</sup> 90 <sup>6</sup>
LED FWHM / FWTM Efficiency Peak intensity	40.0° / 70.0° 80 % 1.6 cd/lm	97 97 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	40.0° / 70.0° 80 % 1.6 cd/lm 1	91 91 91 92 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	40.0° / 70.0° 80 % 1.6 cd/lm 1 White	9° 77 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18	99 <sup>3</sup> 77 <sup>4</sup> 69 <sup>4</sup> 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18	27 29 40 40 40 40 40 40 40 40 40 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18	Ba, Ba,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20, 20,   20,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 IAPTER-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx	25° 25° 25° 25° 25° 25° 25° 25° 25° 25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD C18432_ADELIA-AD	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0°	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD C18432_ADELIA-AD	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD C18432_ADELIA-AD LED FWHM / FWTM Efficiency Peak intensity	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0° 87 % 2.4 cd/lm	200 200 200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD C18432_ADELIA-AD Efficiency Peak intensity LEDs/each optic	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0° 87 % 2.4 cd/lm 1	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD C18432_ADELIA-AD LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0° 87 % 2.4 cd/lm	90 90 90 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD C18432_ADELIA-AD LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0° 87 % 2.4 cd/lm 1 White	21. 64. 53. 54. 55. 64. 56. 56. 56. 56. 56. 56. 56. 56
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18431_ADELIA-AD	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0° 87 % 2.4 cd/lm 1 White	21. 000 000 000 000 000 000 000 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18264_HEKLA-SO C18432_ADELIA-AD C18432_ADELIA-AD LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	40.0° / 70.0° 80 % 1.6 cd/lm 1 White CKET-VERO18 APTER-C CMU10xx 32.0° / 66.0° 87 % 2.4 cd/lm 1 White	21. 000 000 000 000 000 000 000 0



# **OPTICAL RESULTS (SIMULATED):**

SAMSU	NG	50° 50°
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	32.2° / 66.4°	
Efficiency	90 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	₹2 <sup>4</sup> 63°
Required component	s:	
F17435_HEKLA-0	92-C	
C18432_ADELIA-	ADAPTER-C	
		30*
SAMSU	NG	30,4 30,4
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	36.2° / 68.4°	
Efficiency	87 %	60° 60°
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr et
	is:	
Required component		
Required component F17438_HEKLA-0	G2-I	- 400
		300



# PRODUCT DATASHEET C18425\_ADELIA-70-W

#### **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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### Local sales and technical support www.ledil.com/ where\_to\_buy

# **Shipping locations**

Salo, Finland Hong Kong, China

#### Distribution Partners www.ledil.com/

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