

ADELIA-70-S

~15° spot beam

SPECIFICATION:

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



PRODUCT DATASHEET

C18423_ADELIA-70-S

MATERIALS:

Component ADELIA-70-S

Type Reflector

Material Aluminium

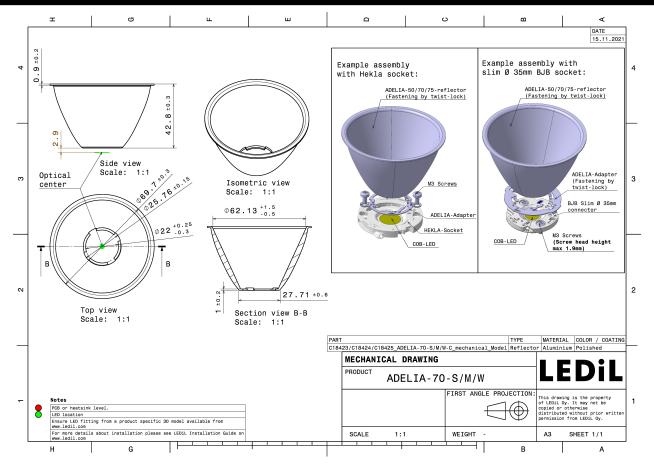
Colour	Finish	Coating
metal	gloss	Anodized

ORDERING INFORMATION:

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



PRODUCT DATASHEET C18423_ADELIA-70-S



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



OPTICAL RESULTS (SIMULATED):

bridgelux.		804
LED	V10 Gen 8	
FWHM / FWTM	12.0° / 23.0°	75
Efficiency	88 %	
Peak intensity	11.3 cd/lm	
LEDs/each optic	1	
Light colour	White	e ^r 600
Required components:		
C18431_ADELIA-AI		
BJB: 47.360.1020		900)
2021 11100011020		\times / \vee / λ
		30°
bridgelux.		90 ⁴ 90
LED	V13 Gen 8	
FWHM / FWTM	18.0° / 41.0°	29
Efficiency	84 %	100 Jan
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	gr ⁴ 200
Required components:		
C18432_ADELIA-AI	DAPTER-C	
Bender Wirth: 633c	Hekla	
		30"
		125 ¹ 0 ² 125 ¹
bridgelux.		90 ⁺
bridgelux. LED	V18 Gen 8	9/ ⁴
	V18 Gen 8 22.0° / 56.0°	32.
LED		23 ¹ 23 ¹ 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM	22.0° / 56.0°	
LED FWHM / FWTM Efficiency	22.0° / 56.0° 79 %	
LED FWHM / FWTM Efficiency Peak intensity	22.0° / 56.0° 79 % 3.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 56.0° 79 % 3.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 56.0° 79 % 3.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C	gr 100 gr 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C	gr 100 gr 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b bridgelux LED FWHM / FWTM	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL V22 Gen 8 24.0° / 58.0° 76 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b bridgeLUX. LED FWHM / FWTM Efficiency Peak intensity	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL V22 Gen 8 24.0° / 58.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL V22 Gen 8 24.0° / 58.0° 76 % 2.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL V22 Gen 8 24.0° / 58.0° 76 % 2.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL V22 Gen 8 24.0° / 58.0° 76 % 2.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL V22 Gen 8 24.0° / 58.0° 76 % 2.8 cd/lm 1 White DAPTER-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C18432_ADELIA-AI Bender Wirth: 639b bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 56.0° 79 % 3.1 cd/lm 1 White DAPTER-C Hekla XL V22 Gen 8 24.0° / 58.0° 76 % 2.8 cd/lm 1 White DAPTER-C	



OPTICAL RESULTS (SIMULATED):

bridgelux.		50° Å 90°
LED	V6 HD Gen 7	
FWHM / FWTM	8.0° / 16.1°	73*
Efficiency	93 %	
Peak intensity	24 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required components		
F15253_HEKLA-SC		
C18432_ADELIA-A		
		30° 22000 30° 30°
bridgelux.		90*
LED	VERO13	
FWHM / FWTM	16.0° / 38.0°	77
Efficiency	84 %	500
Peak intensity	5.7 cd/lm	
LEDs/each optic	1	
Light colour	White	47*
Required components		
C18264_HEKLA-SO	DCKET-VERO18	
C18432_ADELIA-A		400
		30*
		13 ⁵ 0 ⁶ 13 ⁵
bridgelux.		90*
bridgelux. LED	VERO18	99 ²
	VERO18 24.0° / 58.0°	3 ³ 3 ⁷ 3 ⁷
LED		95 ⁴ 90 ⁴
LED FWHM / FWTM	24.0° / 58.0°	$\Gamma \setminus \mathbb{Z} \times [\Lambda \times \mathbb{Z} \times \mathbb{Z}]$
LED FWHM / FWTM Efficiency	24.0° / 58.0° 81 %	$\Gamma \setminus \mathbb{Z} \times [\Lambda \times \mathbb{Z} \times \mathbb{Z}]$
LED FWHM / FWTM Efficiency Peak intensity	24.0° / 58.0° 81 % 3.1 cd/lm	90* 00. 07
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 58.0° 81 % 3.1 cd/lm 1 White	9)** 00. 00.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 58.0° 81 % 3.1 cd/lm 1 White	9)** 00. 00.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	24.0° / 58.0° 81 % 3.1 cd/lm 1 White CKET-VERO18	gr 160 gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18264_HEKLA-SC	24.0° / 58.0° 81 % 3.1 cd/lm 1 White CKET-VERO18	9°* 00. 9° 00. 97 00.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18264_HEKLA-SC C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White CKET-VERO18	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-SC C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White DCKET-VERO18 DAPTER-C	90. 97 77 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18264_HEKLA-SC C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White CKET-VERO18 DAPTER-C CMA1840	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-SC C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White DCKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0°	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-SC C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White DCKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 %	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-SC C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White OCKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 % 5 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-SC C18432_ADELIA-A C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White CKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 % 5 cd/lm 1	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-SC C18432_ADELIA-A C18432_ADELIA-A C18432_ADELIA-A CED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 58.0° 81 % 3.1 cd/lm 1 White CKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 % 5 cd/lm 1 White	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-SC C18432_ADELIA-A C18432_ADELIA-A C18432_ADELIA-A C18432_ADELIA-A Efficiency Peak intensity LEDs/each optic Light colour Required components	24.0° / 58.0° 81 % 3.1 cd/lm 1 White DCKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18264_HEKLA-SC C18432_ADELIA-A C18432_ADELIA-A CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White DCKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 % 5 cd/lm 1 White DAPTER-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18264_HEKLA-SC C18432_ADELIA-A C18432_ADELIA-A C18432_ADELIA-A C18432_ADELIA-A Efficiency Peak intensity LEDs/each optic Light colour Required components	24.0° / 58.0° 81 % 3.1 cd/lm 1 White DCKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 % 5 cd/lm 1 White DAPTER-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18264_HEKLA-SC C18432_ADELIA-A CCREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C18432_ADELIA-A	24.0° / 58.0° 81 % 3.1 cd/lm 1 White DCKET-VERO18 DAPTER-C CMA1840 18.0° / 40.0° 86 % 5 cd/lm 1 White DAPTER-C	



OPTICAL RESULTS (SIMULATED):

		30° 39°
LED	CMU10xx	
FWHM / FWTM	12.0° / 24.0°	75-
Efficiency	88 %	
Peak intensity	11 cd/lm	602
LEDs/each optic	1	
Light colour	White	47* 6400 45*
Required components:	Wille	
C18431_ADELIA-AD	APTER.B	
BJB: 47.360.1020		800
D0D. 47.000.1020		
		30 ⁵ 15 ⁵ 0 ⁶ 25 ⁵ 30 ⁵
		50* 50*
LED	CMU15xx	
FWHM / FWTM	16.0° / 40.0°	
Efficiency	86 %	1600
Peak intensity	5.2 cd/lm	
LEDs/each optic	1	
Light colour	White	5* 3230
Required components:		
F17438_HEKLA-G2-		
C18432_ADELIA-AD	APTER-C	4530
		30-
		(15° 0° 15°
SAMSUN	IG	90* 90*
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	12.1°/24.1°	
Efficiency	90 %	
	90 %	60° 60°
Peak intensity	90 % 10.4 cd/lm	60° 60°
Peak intensity	10.4 cd/lm	
Peak intensity LEDs/each optic	10.4 cd/lm 1	
Peak intensity LEDs/each optic Light colour	10.4 cd/lm 1 White	gr (40)
Peak intensity LEDs/each optic Light colour Required components:	10.4 cd/lm 1 White C	ger (400) (400
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-	10.4 cd/lm 1 White C	
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD	10.4 cd/lm 1 White C APTER-C	
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD	10.4 cd/lm 1 White C APTER-C	
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD	10.4 cd/lm 1 White C APTER-C I G LC016D / LC019D / LC026D / LC033D	33. 30. 30. 30. 33. 22.0 0. 32. 30. 30. 0.0 0.0 0.0 0.0
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSUN LED FWHM / FWTM	10.4 cd/lm 1 White C APTER-C I G LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2°	24 ⁻ 25 ⁻ 20 25 ⁺ 25 ⁻ 20
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSSUN LED FWHM / FWTM Efficiency	10.4 cd/lm 1 White C APTER-C LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2° 88 %	24 ⁻ 25 ⁻ 20 25 ⁺ 25 ⁻ 20
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSSUN LED FWHM / FWTM Efficiency Peak intensity	10.4 cd/lm 1 White C APTER-C I G LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2° 88 % 4.6 cd/lm	33. 34. 35. 36. 37. 40. 37. 40. 37. 37. 37. 37. 37. 37. 37. 37
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.4 cd/lm 1 White C APTER-C I C LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2° 88 % 4.6 cd/lm 1	50 50 50 50 50 50 50 50 50 50
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.4 cd/lm 1 White C APTER-C I G LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2° 88 % 4.6 cd/lm	
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.4 cd/lm 1 White C APTER-C I C LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2° 88 % 4.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17438_HEKLA-G2-	10.4 cd/lm 1 White C APTER-C I G LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2° 88 % 4.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- C18432_ADELIA-AD SAMSSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.4 cd/lm 1 White C APTER-C I G LC016D / LC019D / LC026D / LC033D 18.1° / 43.2 + 44.2° 88 % 4.6 cd/lm 1 White	



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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