

ILONA-W

~35° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.8 mm
Height	29.7 mm
Fastening	socket
ROHS compliant	yes 🛈



PRODUCT DATASHEET

C16688_ILONA-W

MATERIAL SPECIFICATIONS:

Component ILONA-W **Type** Single lens

Material	Colour	Finish
PMMA	clear	

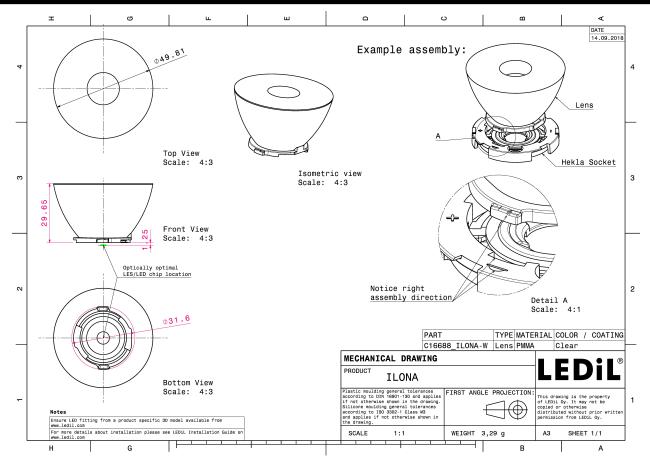
ORDERING INFORMATION:

Component C16688_ILONA-W » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
297	99	33	11.3



PRODUCT DATASHEET C16688_ILONA-W



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



bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	Tunable White nents: A-SOCKET-K	99 ⁴ 75 ⁴ 60 ⁵ 90 ⁴ 90
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 5	White nents: A-SOCKET-K	
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU7B2 41.0° 92 % 1.9 cd/lm 1 White hents:	5° 500 6° 5° 500 6° 5° 500 6° 500 6°
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 6	LUXEON CX Plus CoB L08 (Gen2) 36.0° 90 % 1.6 cd/lm 1 White hents:	



UMIL	EDS	90° 90°
LED	LUXEON CX Plus CoB - HD S01H4	
FWHM	39.0°	75*
Efficiency	93 %	
Peak intensity	2 cd/lm	60° - 60°
LEDs/each optic		
Light colour	White	45*
Required compor		
Bender Wirth:		1630
		30* 30*
-		15 00 15
M LUMIL	EDS	90* 90*
LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6	
FWHM	38.0°	75*
Efficiency	93 %	
Peak intensity	2 cd/lm	······································
LEDs/each optic	1	
Light colour	White	er
Required compor	nents:	
Bender Wirth:	634c Hekla	1630
		30* 34*
		15° 0° 15°
	EDS	av ^a (9) ⁴
		90 ⁴
LED	LUXEON CX Plus CoB - HD S04H9	39 ⁴ 29 ⁵ 27 ⁵
LED FWHM	LUXEON CX Plus CoB - HD S04H9 35.0°	9° 7°
LED FWHM Efficiency	LUXEON CX Plus CoB - HD S04H9 35.0° 92 %	90 ⁴ 91 ⁴ 72 ⁴ 90 ⁴ 900 60 ⁴
LED FWHM Efficiency Peak intensity	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm	500 500 500 500 500 500 500 500 500 500
LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1	54 54 54 56 56 56 56 56 56 56 56 56 56
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White	91 ⁴ 72 91 ⁴ 91 ⁴ 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents:	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents:	5°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents:	99 ⁴ 97 72 90 ⁵ 00 99 ⁴ 00
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents:	25° 6° 25° 29° 29° 29° 29° 29° 29° 29° 29° 29° 29
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents: 634c Hekla	30° 30° 30° 30° 30° 60° 60° 60° 50° 60° 60° 60° 90° 60° 60° 60° 90° 60° 60° 60° 90° 60° 50° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth:	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents: 634c Hekla	94 94 95 95 96 96 96 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth:	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents: 634c Hekla	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth:	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2)	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth:	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White hents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 34.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth:	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White nents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 34.0° 92 % 1.9 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: Mender Wirth:	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White nents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 34.0° 92 % 1.9 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: Bender Wirth: Composition LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White nents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 34.0° 92 % 1.9 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: Bender Wirth: Colour Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White nents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 34.0° 92 % 1.9 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: Bender Wirth: Composition LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White nents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 34.0° 92 % 1.9 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: Bender Wirth: Composition LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON CX Plus CoB - HD S04H9 35.0° 92 % 2.1 cd/lm 1 White nents: 634c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 34.0° 92 % 1.9 cd/lm 1 White nents:	



🥙 LUMIL	EDS	90° 90'
LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° 92 % 2 cd/lm 1	60
Light colour Required compor Bender Wirth: (White nents:	97
Dender wirth.		304 127 0 ¹⁰ 127 301
UMIL	EDS	90° A 90'
LED	LUXEON CX Plus CoB S01 (Gen2)	75*
FWHM	12.0°	
Efficiency	94 %	
Peak intensity LEDs/each optic	14.3 cd/lm	
LEDS/each optic	ı White	45 ⁴
Required compor		
Bender Wirth: (
		3400
UMIL	EDS	90* 90
OBANIL		90 ⁴
	EDS LUXEON Fusion 21-up (20x24) 37.0°	59 ⁴ 50 75 ⁴ 600
LED FWHM Efficiency	LUXEON Fusion 21-up (20x24) 37.0° 91 %	
LED FWHM Efficiency Peak intensity	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/Im	50° (0) (0) (0) (0) (0) (0) (0) (0) (0) (0)
LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White	54 55 55 55 55 55 55 55 55 55 55 55 55 5
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents:	5° 50 120 50 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents: A-SOCKET-K	51 51 51 52 50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents: A-SOCKET-K	5 ⁴ 5 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White hents: A-SOCKET-K 442 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White hents: A-SOCKET-K 442 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White hents: A-SOCKET-K 142 Typ L8 NUS CXM-3	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White hents: A-SOCKET-K 442 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency Peak intensity	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White thenets: A-SOCKET-K 442 Typ L8 NUS CXM-3 41.0° 93 % 1.9 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 CED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents: A-SOCKET-K 442 Typ L8 NUS CXM-3 41.0° 93 % 1.9 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 ED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents: A-SOCKET-K 442 Typ L8 NUS CXM-3 41.0° 93 % 1.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents: A-SOCKET-K 442 Typ L8 NUS CXM-3 41.0° 93 % 1.9 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents: A-SOCKET-K 442 Typ L8 NUS CXM-3 41.0° 93 % 1.9 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 37.0° 91 % 1.9 cd/lm 21 White nents: A-SOCKET-K 442 Typ L8 NUS CXM-3 41.0° 93 % 1.9 cd/lm 1 White nents:	



	NUS	90*
LED	CXM-4	
FWHM	41.0°	400
Efficiency	94 %	60°
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 42*
Required compor		
F15255_HEKL	A-SOCKET-C	1630
		30* 200 3*
0.0.0.0		
SAMSU	ING	907 907
LED	LC010T (Tunable White)	
FWHM	35.0°	400
Efficiency	90 %	60*
Peak intensity	1.8 cd/lm	800
LEDs/each optic	1	
Light colour	Tunable White	43 ¹⁵ 43 ¹⁵
Required compor		
C16142_HEKL		
Bender Wirth:	501 Typ L8	
		34" 34."
		15% 20% 15%
TRIDON		50° 50°
LED	SLE G7 LES09	
FWHM	36.0°	400
Efficiency	92 %	60* 60*
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	47* - 1230
Required compor	nents:	
F15255_HEKL	A-SOCKET-C	1630
		36* 2000 30*
		15° 0° 15°



bridgelux.		90* 90*
LED	V4 HD	
FWHM	38.0°	75* 400 75*
Efficiency	91 %	
		60°
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componen		
F15253_HEKLA-S	SUCKET-A	100
		30° 500 30° 30°
bridgelux.		90°
LED	V6 HD	
FWHM	עם אי 38.0°	75*
Efficiency	90 %	60° 60°
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componen		
F15255_HEKLA-S	SOCKET-C	1650
		30° 30° 30°
bridgeluy		
bridgelux.		50°
LED	V9 HD	50° 50°
LED FWHM	36.0°	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency	36.0° 89 %	64. 65. 100 22. 26. 22. 26. 25.
LED FWHM Efficiency Peak intensity	36.0° 89 % 2 cd/lm	99* 99* 19* 60* 60* 60*
LED FWHM Efficiency Peak intensity LEDs/each optic	36.0° 89 % 2 cd/lm 1	60°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	36.0° 89 % 2 cd/lm 1 White	91 92 91 92 92 92 93 92 94 92 95 95 95 95 95 95 95 95 95 95 95
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	36.0° 89 % 2 cd/lm 1 White ts:	\$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	36.0° 89 % 2 cd/lm 1 White ts:	91 ⁴ 91 ⁴ 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	36.0° 89 % 2 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	36.0° 89 % 2 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I CLL02x/CLU02x (LES10)	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I CLL02x/CLU02x (LES10) 35.0°	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I CLL02x/CLU02x (LES10) 35.0° 79 %	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency Peak intensity	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I CLL02x/CLU02x (LES10) 35.0° 79 % 1.9 cd/lm	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I CLL02x/CLU02x (LES10) 35.0° 79 % 1.9 cd/lm 1	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I CLL02x/CLU02x (LES10) 35.0° 79 % 1.9 cd/lm 1 White	200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I	60° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA-S CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	36.0° 89 % 2 cd/lm 1 White ts: SOCKET-I	

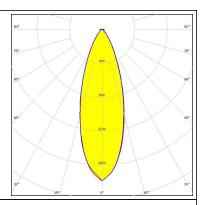


CITIZEN		90* 30*
LED	CLU700/701/702	75* 75*
FWHM	38.0°	400
Efficiency	84 %	60.5
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	er* <u>1220</u> er*
Required componer		
F15255_HEKLA-	SOCKET-C	1630
		30* 2000 30* 30*
CREE ≑		90 ⁺ 90 ⁺
LED	CMA1825	
FWHM	35.0°	25*
Efficiency	87 %	
Peak intensity	1.8 cd/lm	69°
LEDs/each optic	1	
Light colour	White	gr
Required componer		1230
F15254_HEKLA-		
		3630
		259 00 251
		90*
LED	LUXEON CoB 1202/1203	75'
FWHM	36.0°	
Efficiency	88 %	60°
Peak intensity	1.9 cd/lm	
LEDs/each optic Light colour	1 White	a ²
Required componer		120
F17437_HEKLA-		
	JZ-11	150
		34 34
		an 257 3800 257
	DS	
LED	LUXEON CoB 1202s	
FWHM	36.0°	
Efficiency	91 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	its:	
L		



LUMILEDS

LED	LUXEON CoB 1204/1205
FWHM	35.0°
Efficiency	87 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	nts:



LEDLUXFWHM32.0Efficiency88.9Peak intensity2.1LEDs/each optic1Light colourWhitRequired components:

LUXEON CoB 1208
32.0°
88 %
2.1 cd/lm
1
White
:

ΜΝΙCΗΙΛ LED COB S-Type (LES 7) FWHM 36.0° Efficiency 90 % 1.9 cd/lm Peak intensity LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G **Μ**ΝΙCΗΙΛ 90 LED NFSWE11A FWHM 36.0° 83 % Efficiency 1.8 cd/lm Peak intensity LEDs/each optic 30 White Light colour Required components: C16142_HEKLA-SOCKET-K



OSRAM Opto Semiconductors		90* 90*
LED	Duris S8	
FWHM	38.0°	75* 73*
Efficiency	88 %	
Peak intensity	2 cd/lm	60.°
LEDs/each optic	1	
Light colour	White	47° 1220 47°
Required componen		
F15848_HEKLA-S		1500
_		
		300 300
		15° 0° 15°
SAMSU	NG	90*
LED	LC003D / LC006D / LC009D / LC013D	
FWHM	35.0°	75* 75*
Efficiency	80 %	
Peak intensity	1.9 cd/lm	60° (60°
LEDs/each optic	1	
Light colour	White	ggs
Required componen		
F15255_HEKLA-S		
		30* 30* 30*
SAMSII	NG	90° 90°
SAMSU		<u>99*</u>
LED	LC010C	30 ⁴ 30 ⁴
LED FWHM	LC010C 38.0°	51 21 22 23 25 25 25 25 25 25 25 25 25
LED FWHM Efficiency	LC010C 38.0° 87 %	64. 57. 59. 59. 59. 59. 59. 59. 59.
LED FWHM Efficiency Peak intensity	LC010C 38.0° 87 % 1.9 cd/lm	91 ⁴ 92 93 94 96 96 96
LED FWHM Efficiency Peak intensity LEDs/each optic	LC010C 38.0° 87 % 1.9 cd/lm 1	91 91 91 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC010C 38.0° 87 % 1.9 cd/lm 1 White	91 91 92 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts:	91 ⁴ 97 91 91 92 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VG LC020C 34.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G NC LC020C 34.0° 90 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency Peak intensity	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VG LC020C 34.0° 90 % 2.2 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency Peak intensity LEDs/each optic	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VC LC020C 34.0° 90 % 2.2 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VC LC020C 34.0° 90 % 2.2 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VC LC020C 34.0° 90 % 2.2 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VC LC020C 34.0° 90 % 2.2 cd/lm 1 White ts:	6. 6. 90 9. 10.9 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VC LC020C 34.0° 90 % 2.2 cd/lm 1 White ts:	6. 6. 90 9. 10.9 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-S SAMSUI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LC010C 38.0° 87 % 1.9 cd/lm 1 White ts: SOCKET-G VC LC020C 34.0° 90 % 2.2 cd/lm 1 White ts:	c. 00 00 30. 30. 30. 30. 30. 30. 31. 30. 30.



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 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 www.ledil.com/ where_to_buy

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/

where_to_buy