

RONDA-S-C

~25° spot beam with holder C compatible with LEDiL HEKLA

TECHNICAL SPECIFICATIONS:

Dimensions Height

Fastening

17.2 mm socket

Ø 52.1 mm

ROHS compliant yes ()

MATERIAL SPECIFICATIONS:

Component RONDA-S RONDA-HLD-C **Type** Single lens Holder

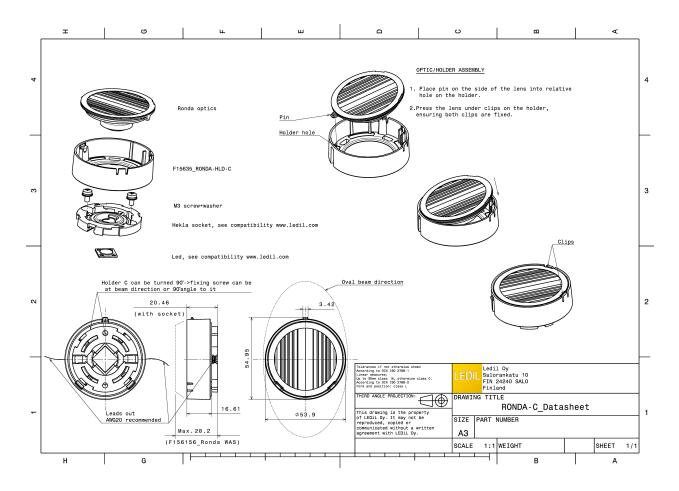


Material	Colour	Finish
PMMA	clear	
PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15970_RONDA-S-C	Single lens	420	120	30	0.0
» Box size:					







PHOTOMETRIC DATA (MEASURED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	200 200 200 200 200 200 200 200
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
bridgetuk LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	500 500 500 500 500 500 500 500
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	White ents:	200 200 200 200 200 200 200 200

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bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15616_HEKL	White ents:	20 00 20 00 00 00
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	White ients: A-SOCKET-K	20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	White ients: A-SOCKET-K	y. g. g. 103 103 103 103
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CLC020 Series (Dim-To-Warm) 28.0° 81 % 1.9 cd/lm 1 White ments:	20 20 20 20 20 20 20 20 20 20



CITIZE	N	50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLL02x/CLU02x (LES10) 26.0° 86 % 2.3 cd/lm 1 White tents:	25 25 25 25 25 25 25 25
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU700/701/702 19.0° 87 % 4.1 cd/lm 1 White tents:	50°
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU7A2 (LES 4.2mm) 15.0° 89 % 6.6 cd/lm 1 White tents:	27
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15256_HEKL	CMA1516 27.0° 89 % 2.5 cd/lm 1 White tents:	20 20 20 20 20 20 20 20 20 20



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15254_HEKL	CMA1825 33.0° 87 % 1.6 cd/lm 1 White tents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 28.0° 88 % 2.3 cd/lm 1 White nents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	CMT19xx 35.0° 82 % 1.2 cd/lm 1 White nents:	30, 100 100 100 100 100 100 100 1
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15956_HEKL	CXA/B 13xx 19.0° 88 % 4.4 cd/lm 1 White nents:	30,0 10,0 10,0 10,0 20,0 20,0 20,0 20,0 30,0 10,0 60,4 20,0 30,0 10,0 60,4 20,0 30,0 10,0 60,4 20,0 30,0 10,0 60,4 20,0 30,0 10,0 60,4 20,4



PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15256_HEKL	CXA/B 15xx 25.0° 88 % 2.7 cd/lm 1 White tents:	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LUXEON CoB 1202HD 21.0° 89 % 4.1 cd/lm 1 White nents:	30 30 30 30 30 30 30 30 30 30
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LUXEON CoB 1202s 19.0° 89 % 4.4 cd/lm 1 White thents:	200 21 25 25 25 200 200 200 200 200 2
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL	LUXEON CoB 1204HD 27.0° 88 % 2.5 cd/lm 1 White nents:	30, 32, 00, 32, 34, 34, 34, 34, 34, 34, 34, 34, 34, 34

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EUMIL ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL	LUXEON CoB 1205HD 31.0° 86 % 1.8 cd/lm 1 White tents:	25
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H4 18.0° 89 % 5 cd/lm 1 White tents:	200 200 200 200 200 200 200 200
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H6 / HD S02H6 19.0° 90 % 4.4 cd/lm 1 White nents:	30° 30° 50° 50° 50° 50° 50° 50° 50° 5
LUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 6	LUXEON CX Plus CoB - HD S04H9 26.0° 88 % 2.6 cd/lm 1 White nents:	39* 300 30* 99* 300 30* 99* 300 30*



PHOTOMETRIC DATA (MEASURED):

		30*
LED	CDM-9 (Dim-To-Warm)	73*
FWHM	26.0°	
Efficiency	82 % 2.3 cd/lm	60* 60*
Peak intensity LEDs/each optic		
Light colour	White	42* 42
Required compor		1630
C16142_HEKL		
Bender Wirth:		
		30° <u>2000</u> 30°
	NUS	50 ⁴
LED	CXM-4	
FWHM	16.0°	
Efficiency	88 %	500 1600 × 500
Peak intensity	5.6 cd/lm	$[\times / /] \times \times$
LEDs/each optic		
Light colour	White	
Required compor		
F15255_HEKL	A-SOCKET-C	4500
		30° 30° 30°
		50°
LED	CxM-9 (13.5x13.5)	73.
FWHM	27.0°	
Efficiency	86 %	60° 50°
Peak intensity	2.3 cd/lm	
LEDs/each optic Light colour	White	55 55
Required compor		1600
F15255_HEKL		
		30° 30°
DUUID		15° 0° 15°
PHILIP		90°
LED	Fortimo SLM L09 CoB	227 0 ⁴ 237
LED FWHM	Fortimo SLM L09 CoB 26.0°	
LED FWHM Efficiency	Fortimo SLM L09 CoB 26.0° 87 %	
LED FWHM Efficiency Peak intensity	Fortimo SLM L09 CoB 26.0° 87 % 2.5 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L09 CoB 26.0° 87 % 2.5 cd/lm 1	73° - 73° 60° - 00° - 00°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L09 CoB26.0°87 %2.5 cd/lm1White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Fortimo SLM L09 CoB 26.0° 87 % 2.5 cd/lm 1 White hents:	6. 6.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L09 CoB 26.0° 87 % 2.5 cd/lm 1 White hents:	6. 6.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Fortimo SLM L09 CoB 26.0° 87 % 2.5 cd/lm 1 White hents:	0. 00 13.

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PHOTOMETRIC DATA (MEASURED):

PHILIP	S S	
LED	Fortimo SLM L13 CoB	
FWHM	33.0°	
Efficiency	80 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		
C16142_HEKL		
Bender Wirth: 4		
PHILIP	S S	50* 50*
LED	Fortimo SLM L13 CoB	
FWHM	33.0°	25-
Efficiency	80 %	
Peak intensity	1.3 cd/lm	60*
LEDs/each optic		$X/V \to X$
Light colour	White	45° 45°
Required compor		
C16140_CLAN		
Bender Wirth: 4		
	Sz Typ Lo	1220
		36° 38° 38°
SAMSU	NG	99* 99*
LED		\land
LED		
	LC003D / LC006D / LC009D / LC013D	75
FWHM	27.0°	75
FWHM Efficiency	27.0° 87 %	01 00 00 00 00 00 00 00 00 00 00 00 00 0
FWHM Efficiency Peak intensity	27.0° 87 % 2.3 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic	27.0° 87 % 2.3 cd/lm 1	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	27.0° 87 % 2.3 cd/lm 1 White	8. 6. 26. 26. 26. 26. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	27.0° 87 % 2.3 cd/lm 1 White ents:	25
FWHM Efficiency Peak intensity LEDs/each optic Light colour	27.0° 87 % 2.3 cd/lm 1 White ents:	gr 50 61*
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	27.0° 87 % 2.3 cd/lm 1 White ents:	a
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	27.0° 87 % 2.3 cd/lm 1 White ents:	21° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C	22 20 22 23 20 22
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C	Na Na Na <
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C	22
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C NG LC010C 20.0°	22 24 26 26 26 26 20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C NG LC010C 20.0° 88 %	6° 23 24 25 25 25 25 25 25 25 25 25 25
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C NG LC010C 20.0° 88 % 3.8 cd/lm	80 80 80 80 80 80
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C NG LC010C 20.0° 88 % 3.8 cd/lm 1	6. 100 100 100 100 100 100 100 10
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C NG LC010C 20.0° 88 % 3.8 cd/lm 1 White	6°. 100 100 100 100 100 100 100 10
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C	a. 900 92 b. 92 92
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C	6. 6. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 8. 700 700 700 700 700 700 700 70
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	27.0° 87 % 2.3 cd/lm 1 White ents: A-SOCKET-C	

PRODUCT DATASHEET

FN15970_RONDA-S-C

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PHOTOMETRIC DATA (MEASURED):

SAMSU		90° 90°
LED FWHM	LC010C G2 19.0°	78*
Efficiency	87 %	
Peak intensity	4.3 cd/lm	50° 60'
LEDs/each optic		
Light colour	White	g
Required compor	ients:	2200
F15255_HEKL	A-SOCKET-C	
		30 ⁶ 35 ⁷ 35 ⁷
SAMSU		90* 90'
LED	LC010T (Tunable White)	
FWHM	26.0°	23.
Efficiency	82 %	
Peak intensity	2.1 cd/im	
LEDs/each optic		
Light colour	Tunable White	₹* €
Required compor		1500
C16142_HEKL		
Bender Wirth: 8	501 Typ L8	
		30° 15° 0° 15° 36°
SAMSU		7
		90* 90*
LED	LC016D / LC019D / LC026D / LC033D	50 ⁴
LED FWHM	LC016D / LC019D / LC026D / LC033D 34.0°	27 27 29
LED FWHM Efficiency	LC016D / LC019D / LC026D / LC033D 34.0° 79 %	
LED FWHM Efficiency Peak intensity	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White	9° 90 77 6° 60 6° 60
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White nents:	9° 90 75 6° 7 6° 7 6° 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White hents: A-SOCKET-I	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White hents: A-SOCKET-I	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White hents: A-SOCKET-I	30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White tents: A-SOCKET-I NG LC020C 24.0°	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White tents: A-SOCKET-I NG LC020C 24.0° 88 %	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL SAMSU LED FWHM Efficiency Peak intensity	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White nents: A-SOCKET-I NCG LC020C 24.0° 88 % 2.9 cd/lm	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White nents: A-SOCKET-I NGC LC020C 24.0° 88 % 2.9 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White nents: A-SOCKET-I	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White tents: A-SOCKET-I NCC LC020C 24.0° 88 % 2.9 cd/lm 1 White tents:	200 - 00 - 00 - 00 - 00 - 00 - 00 - 00
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White tents: A-SOCKET-I NCC LC020C 24.0° 88 % 2.9 cd/lm 1 White tents:	90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LC016D / LC019D / LC026D / LC033D 34.0° 79 % 1.1 cd/lm 1 White tents: A-SOCKET-I NCC LC020C 24.0° 88 % 2.9 cd/lm 1 White tents:	90° 90° 90° 90° 90° 90° 90° 90°

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SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LC020C G2 25.0° 85 % 2.5 cd/lm 1 White	100 100 100 100 100 100 100 100
F15859_HEKL		34 B2 6 B2 24
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 5	LC020T (Tunable white) 33.0° 79 % 1.3 cd/lm 1 Tunable White ents: A-SOCKET-K	T2, 0, T2, 3h, 752 40 6h, 60, 40, 3b, 30, 30,
stoul seniconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	20° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	25° 0° 12° 0° 39° 12° 0° 30° 0° 30° 30° 0° 30° 0°



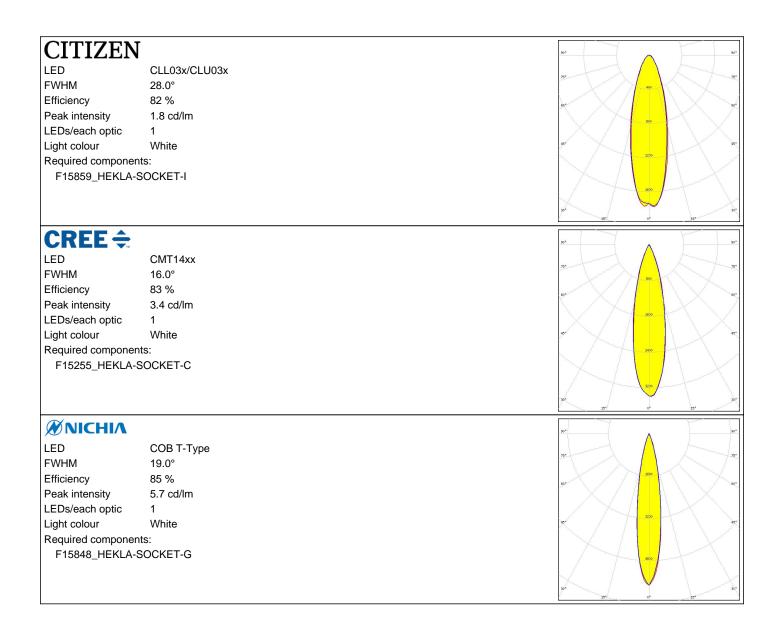
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	SLE G7 LES09 26.0° 86 % 2.5 cd/lm 1 White wents:	30, 0, 12, 0, 30, 30, 9, 31, 30, 9, 32, 90, 9, 34, 90, 9, 35, 9, 9, 36, 9, 9, 36, 9, 9, 36, 9, 9,
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES13 33.0° 81 % 1.3 cd/lm 1 White nents:	
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES15 34.0° 80 % 1.2 cd/lm 1 White nents:	
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	XOB 14.5 mm 34.0° 80 % 1.2 cd/lm 1 White nents:	27 00 00 00 00 00 00 00 00 00 00 00 00 00



XICATO		50°
LED	XOB 9.8 mm	75*
FWHM	25.0°	
Efficiency	87 %	800 800 80°
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45 ² 45 ⁴
Required compo	ients:	
F15255_HEKL	A-SOCKET-C	
		30* 345
		15° 0° 35°
XICATC		90* 90*
LED	XTM - 19mm LES	
FWHM	36.0°	200 25*
Efficiency	80 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	5° 800 5°
Required compor	ients:	
	ADAPTER-50-C	
		30° 36*
		 1000 15° 0° 15°



PHOTOMETRIC DATA (SIMULATED):





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

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