

### **RONDA-O-C**

 ${\sim}50^\circ$  + 30° oval beam with holder C compatible with LEDiL HEKLA

### **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening

20.5 mm socket

Ø 53.9 mm

ROHS compliant yes 1

### **MATERIAL SPECIFICATIONS:**

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

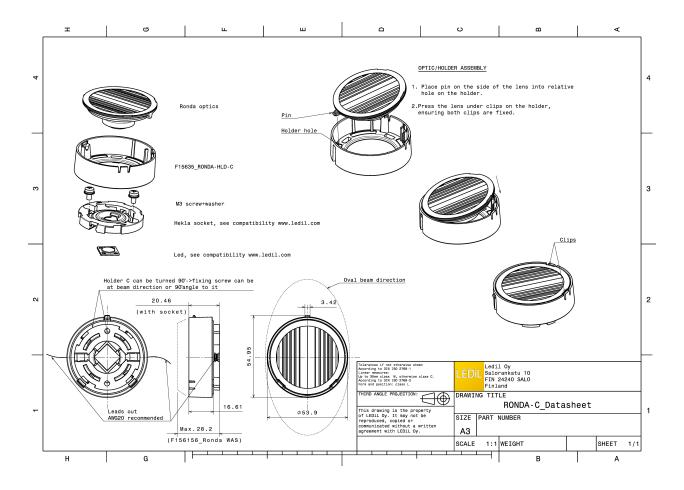


Material	Colour	Finish
PMMA	clear	
PC	white	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15998_RONDA-O-C	Single lens	420	120	30	0.0
» Box size:					







bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	57 57 57 50 50 50 50 50 50 50 50 50 50 50 50 50
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	White ents:	



# PHOTOMETRIC DATA (MEASURED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	White eents: A-SOCKET-K	200 200 200 200 200 200 200 200
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	White ents:	50° - 50° -
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CLC020 Series (Dim-To-Warm) 29.0 + 23.0° 84 % 1.9 cd/lm 1 White tents:	50 50 50 50 50 50 50 50 50 50
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLL02x/CLU02x (LES10) 47.0 + 24.0° 88 % 1.8 cd/lm 1 White tents:	20 20 20 20 20 20 20 20 20 20

PRODUCT DATASHEET

FN15998\_RONDA-O-C

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CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU700/701/702 50.0 + 18.0° 90 % 2.3 cd/lm 1 White hents: A-SOCKET-C	91 <sup>4</sup> 75 <sup>5</sup> 66 <sup>4</sup> 95 <sup>6</sup> 95 <sup>6</sup> 320 320 320 320 320 320 320 320 320 320
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU7A2 (LES 4.2mm) 49.0 + 14.0° 91 % 3 cd/lm 1 White the tents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15256_HEKL	CMA1516 49.0 + 25.0° 91 % 1.8 cd/lm 1 White tents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15254_HEKL	CMA1825 51.0 + 33.0° 88 % 1.3 cd/lm 1 White the the the the the the the the the the	



### PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15255_HEKL/	CMT14xx 48.0 + 26.0° 90 % 1.7 cd/lm 1 White ents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL	CMT19xx 54.0 + 38.0° 84 % 1 cd/lm 1 White ents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15956_HEKL/	CXA/B 13xx 50.0 + 17.0° 91 % 2.4 cd/lm 1 White ents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15256_HEKL/	CXA/B 15xx 49.0 + 23.0° 90 % 1.9 cd/lm 1 White ents:	

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EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LUXEON CoB 1202HD 51.0 + 18.0° 91 % 2.2 cd/lm 1 White nents:	20 20 20 20 20 20 20 20 20 20
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LUXEON CoB 1202s 51.0 + 17.0° 91 % 2.3 cd/lm 1 White thents:	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL	LUXEON CoB 1204HD 48.0 + 25.0° 91 % 1.8 cd/lm 1 White nents:	54 55 77 50 64 50 64 65 50
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL	LUXEON CoB 1205HD 48.0 + 30.0° 88 % 1.5 cd/lm 1 White nents:	



### **PHOTOMETRIC DATA (MEASURED):**

### **LUMILEDS**

LED	LUXEON CX Plus CoB -			
FWHM	50.0 + 18.0°			
Efficiency	90 %			
Peak intensity	2.3 cd/lm			
LEDs/each optic	1			
Light colour	White			
Required components:				
Bender Wirth: 634c Hekla				

HD S01H4 Wirth: 634c Hek

### 

LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6 FWHM 51.0 + 20.0° 91 % Efficiency Peak intensity 2.1 cd/lm LEDs/each optic 1 White Light colour Required components: Bender Wirth: 634c Hekla

### LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9 FWHM 46.0 + 25.0° Efficiency 90 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 634c Hekla

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LED CxM-14 (19x19) FWHM 49.0 + 35.0° Efficiency 79 % Peak intensity 1 cd/lm LEDs/each optic 1 White Light colour Required components: F15859\_HEKLA-SOCKET-I



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	NUS	90° 90°
LED	CXM-4	
FWHM	51.0 + 16.0°	75°
Efficiency	90 %	
Peak intensity	2.5 cd/lm	60°
LEDs/each optic		
Light colour	White	43° 43°
Required compon		1600
F15255_HEKL		
		30°
60		157 07 157
		90* 90*
LED	CxM-9 (13.5x13.5)	75'
FWHM	47.0 + 25.0°	400
Efficiency	89 %	60* 69*
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 43°
Required compon	ents:	
F15255_HEKL/	A-SOCKET-C	
		1600
		30"
<b>Μ</b> ΝΙCΗΙΛ		90*
		91 <sup>2</sup>
LED	NJCWL024Z-V1MT: COB L-Type Tunable White	38. 20. 20.
LED FWHM	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0°	30° 30° 30°
LED FWHM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 %	64 000 25 75 26 75 27 75 29 40
LED FWHM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm	00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm	000 000 000 000 000 000 000 000
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White	81 10 <sup>2</sup> 81 10 <sup>2</sup> 810
LED FWHM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents:	92 92 94 95 96 96 96 96 96 96 96 96 96 96 96 96 96
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K	000 00 00 00 00 00 00 00 00 00
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K	34 35   64 96   96 96   96 96   96 96
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 197 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 197 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White	30° 30°   30°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 197 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 197 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° 84 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 197 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° 84 % 1.6 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 97 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° 84 % 1.6 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 97 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° 84 % 1.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4 <b>MICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 97 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° 84 % 1.6 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4 <b>WICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 97 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° 84 % 1.6 cd/lm 1 White ents: A-SOCKET-K	g
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4 <b>MICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NJCWL024Z-V1MT: COB L-Type Tunable White 46.0 + 20.0° 82 % 1.9 cd/lm 1 White ents: A-SOCKET-K 97 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° 84 % 1.6 cd/lm 1 White ents: A-SOCKET-K	g



### PHOTOMETRIC DATA (MEASURED):

PHILIP	S	90° 90°
LED	Fortimo SLM L09 CoB	
FWHM	48.0 + 25.0°	75°
Efficiency	90 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic		
Light colour	White	gg#
Required compor		1230
F15858_HEKL		
		1670
		30° 36°
		15° 0° 15°
PHILIP	S and the second s	90* 90*
LED	Fortimo SLM L13 CoB	77'
FWHM	41.0 + 45.0°	
Efficiency	83 %	60 <sup>4</sup>
Peak intensity	1 cd/lm	
LEDs/each optic		
Light colour	White	- 65×
Required compor		
C16142_HEKL		
Bender Wirth: 4	I32 Typ L8	
		30° 35° 0° 35°
SAMSU		90° 90°
LED	LC003D / LC006D / LC009D / LC013D	
		75' 75'
FWHM	48.0 + 25.0°	75 - CO
Efficiency	48.0 + 25.0° 89 %	23 <sup>-</sup> 60 <sup>-</sup>
Efficiency Peak intensity	48.0 + 25.0° 89 % 1.7 cd/lm	92°
Efficiency Peak intensity LEDs/each optic	48.0 + 25.0° 89 % 1.7 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	48.0 + 25.0° 89 % 1.7 cd/lm 1 White	25
Efficiency Peak intensity LEDs/each optic Light colour Required compor	48.0 + 25.0° 89 % 1.7 cd/lm 1 White eents:	97
Efficiency Peak intensity LEDs/each optic Light colour	48.0 + 25.0° 89 % 1.7 cd/lm 1 White eents:	23°
Efficiency Peak intensity LEDs/each optic Light colour Required compor	48.0 + 25.0° 89 % 1.7 cd/lm 1 White eents:	27
Efficiency Peak intensity LEDs/each optic Light colour Required compor	48.0 + 25.0° 89 % 1.7 cd/lm 1 White eents:	25° 26° 25° 25° 25° 25° 25° 25° 25° 25° 25° 25
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	48.0 + 25.0° 89 % 1.7 cd/lm 1 White eents: A-SOCKET-C	
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	48.0 + 25.0° 89 % 1.7 cd/lm 1 White tents: A-SOCKET-C	300 300 300 300 300 300 300 300 300 300
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	48.0 + 25.0° 89 % 1.7 cd/lm 1 White eents: A-SOCKET-C	
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM	48.0 + 25.0° 89 % 1.7 cd/lm 1 White ents: A-SOCKET-C NG LC010C 52.0 + 18.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency	48.0 + 25.0° 89 % 1.7 cd/lm 1 White ents: A-SOCKET-C NG LC010C 52.0 + 18.0° 90 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity	48.0 + 25.0° 89 % 1.7 cd/lm 1 White eents: A-SOCKET-C NG LC010C 52.0 + 18.0° 90 % 2.1 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic	48.0 + 25.0° 89 % 1.7 cd/lm 1 White tents: A-SOCKET-C NG LC010C 52.0 + 18.0° 90 % 2.1 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	48.0 + 25.0° 89 % 1.7 cd/lm 1 White vents: A-SOCKET-C NCC LC010C 52.0 + 18.0° 90 % 2.1 cd/lm 1 White	
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	48.0 + 25.0° 89 % 1.7 cd/lm 1 White vents: A-SOCKET-C NCC LC010C 52.0 + 18.0° 90 % 2.1 cd/lm 1 White vents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	48.0 + 25.0° 89 % 1.7 cd/lm 1 White vents: A-SOCKET-C NCC LC010C 52.0 + 18.0° 90 % 2.1 cd/lm 1 White vents:	
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	48.0 + 25.0° 89 % 1.7 cd/lm 1 White vents: A-SOCKET-C NCC LC010C 52.0 + 18.0° 90 % 2.1 cd/lm 1 White vents:	

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### PHOTOMETRIC DATA (MEASURED):

SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	LC010C G2 50.0 + 17.0° 89 % 2.3 cd/lm 1 White the the the the the the the the the the	93° 90° 73° 64° 650 560 560 560 560 560 560 560 560 560
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC016D / LC019D / LC026D / LC033D 55.0 + 37.0° 82 % 1 cd/lm 1 White the tents:	
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LC020C 49.0 + 22.0° 90 % 1.9 cd/lm 1 White tents:	
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC020C G2 47.0 + 23.0° 88 % 1.9 cd/lm 1 White tents:	25° 0° 15° 100 100 100 100 100 100 100 10

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### PHOTOMETRIC DATA (MEASURED):

<b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	SLE G7 LES09 46.0 + 24.0° 88 % 1.8 cd/lm 1 White ents:	91 <sup>4</sup> 91 <sup>4</sup> 91 <sup>4</sup> 90 <sup>4</sup> 90 <sup>4</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup> 90 <sup>6</sup>
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES13 52.0 + 35.0° 84 % 1.1 cd/lm 1 White ents:	
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES15 55.0 + 39.0° 83 % 1 cd/lm 1 White ents:	
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	XOB 14.5 mm 54.0 + 36.0° 83 % 1 cd/lm 1 White ents:	

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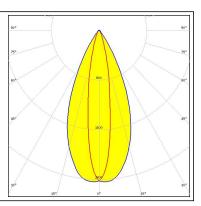
XICATO		30,4 30,4
LED	XOB 9.8 mm	
FWHM	48.0 + 24.0°	73* 73*
Efficiency	89 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	97* G*
Required compo	nents:	
F15255_HEKLA-SOCKET-C		
		1630
		30° 30°
		15% 00 15%
XICATO		90* 99*
LED	XTM - 19mm LES	
FWHM	57.0 + 40.0°	13.
Efficiency	82 %	200
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	9° - 6°
Required compo	nents:	
	ADAPTER-50-C	
		30° 20°
		15° 0° 15°



### PHOTOMETRIC DATA (SIMULATED):

### **Μ**ΝΙCΗΙΛ

LED	COB T-Type		
FWHM	28.0 + 47.0°		
Efficiency	86 %		
Peak intensity	2.5 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
F15848_HEKLA-SOCKET-G			





### **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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