

## **BROOKE-G2-M**

~30° medium beam compatible with LEDiL HEKLA.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 45.0 mm
Height	18.9 mm
Fastening	socket
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	5 kg
Quantity in Box	720 pcs
ROHS compliant	yes 🛈



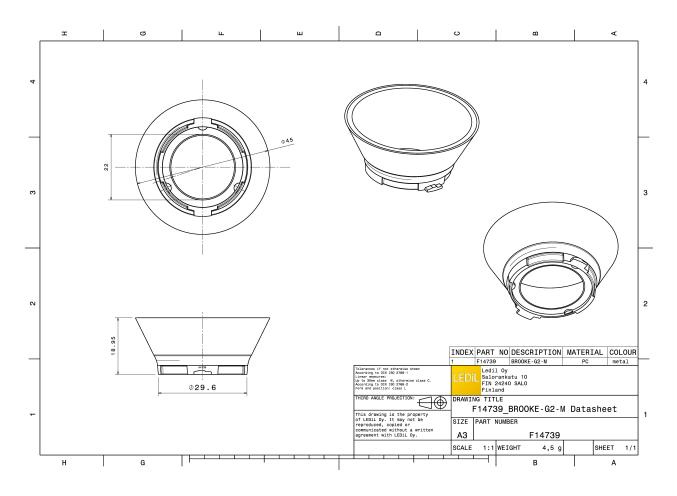
PRODUCT DATASHEET

F14739\_BROOKE-G2-M

#### **MATERIAL SPECIFICATIONS:**

Component BROOKE-G2-M **Type** Reflector **Material** PC **Colour** metal Coating lacquer







### PHOTOMETRIC DATA (MEASURED):

bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL C14658_BARB	White ients: A-SOCKET-A	30. 22. 60. 90. 90. 90. 90. 90. 90. 90. 9
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
bridgetuk LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL C14658_BARB	White ents: A-SOCKET-C	30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	

Last update: 25/05/2018Subject to change without prior noticePublished: 02/05/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.3/22



### PHOTOMETRIC DATA (MEASURED):

bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL	White ents:	
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15859_HEKLJ C14658_BARB	White ents: A-SOCKET-I	
bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15616_HEKL	White ents:	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL	White ents:	



bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	White nents:	
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	White nents: A-SOCKET-K	5° - 00 5° - 00 5° - 00 128 128 128 128 128 128 128 128
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARE Bender Wirth: 4	White nents: A-SOCKET-K GARA-RZ-LENS	21° 0° 12° 21° 0° 0° 0° 0° 0° 0° 1300 0° 0° 0° 0° 0° 0° 0° 0° 0°
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARE Bender Wirth: 4	White nents: A-SOCKET-K AARA-RZ-LENS	20°

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### PHOTOMETRIC DATA (MEASURED):

bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARE Bender Wirth: 4	White nents: A-SOCKET-K BARA-RZ-LENS	34 25 60 12 10 10 10 10 10 10 10 10 10 10
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARE Bender Wirth: 4	White nents: A-SOCKET-K BARA-RZ-LENS	31,         0,         12,           31,         0,         0,           32,         0,         0,           32,         0,         0,           34,         0,         0,           35,         0,         0,           36,         0,         0,           36,         0,         0,           36,         0,         0,           36,         0,         0,           36,         0,         0,           36,         0,         0,           36,         0,         0,           37,         0,         0,
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	White ments: A-SOCKET-K	20 <sup>10</sup> 20 <sup>10</sup> 20 <sup>10</sup> 20 <sup>10</sup> 20 <sup>10</sup>
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic	CLC020 Series (Dim-To-Warm) 31.0° 84 % 1.600 cd/lm	22.         00         00           23.         00         00           26.         20         20



## PHOTOMETRIC DATA (MEASURED):

CITIZE	N	90° 90°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARE Bender Wirth: 4	CLC030 Series (Dim-To-Warm) 41.0° 82 % 1.200 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CLC030 Series (Dim-To-Warm) 38.0° 88 % 1.400 cd/lm 1 White tents:	
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU700/701 23.0° 94 % 2.600 cd/lm 1 White eents:	
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL C14658_BARE	CLU700/701 26.0° 91 % 2.100 cd/lm 1 White pents:	

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CITIZE	N	90° 90°
LED	CLU7A2 (LES 4.2mm)	
FWHM		75.
	16.0° 94 %	
Efficiency		50°
Peak intensity	3.200 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		2430
F15255_HEKL	A-SUCKET-C	
		30* 30*
CITIZE	NT	
		90* 90*
LED	LCN-C01B (Tunable White)	75.
FWHM	29.0°	400
Efficiency	86 %	60° × 60°
Peak intensity	1.700 cd/lm	
LEDs/each optic		
Light colour	White	e.
Required compor		1230
C16142_HEKL		
	ARA-RZ-LENS	1600
Bender Wirth:	481 Typ L8	
CITIZE	N	
		307
LED	LCN-C02B (Tunable White)	75*
FWHM	36.0°	
Efficiency	90 % 4 500 ad/m	50° - 60°
Peak intensity	1.500 cd/lm	
LEDs/each optic	White	
Light colour		
Required compor		
C16142_HEKL	A-SUCKET-K	
		30° 15° 1600 15°
CITIZE	N	30° 30°
FWHM	LCN-C02B (Tunable White) 39.0°	75'
		400
Efficiency	84 % 1 100 ad/m	80° × / 60°
Peak intensity	1.100 cd/lm	
LEDs/each optic		47° 45°
Light colour	White	
Required compor		1200
C16142_HEKL		
	ARA-RZ-LENS	1600
		300
Bender Wirth: 4		15° 0° 15°

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FWHM Efficiency Peak intensity LEDs/each optic	CMA1516 29.0° 94 % 1.800 cd/lm 1 White ents:	51 <sup>4</sup> 51 <sup>5</sup> 51 <sup>5</sup> 5
FWHM Efficiency Peak intensity LEDs/each optic	CMA1825 36.0° 94 % 1.400 cd/lm 1 White ents:	27 27 27 27 27 27 20 20 27 27 27 27 27 27 27 27 27 27
FWHM Efficiency Peak intensity LEDs/each optic	CMT14xx 29.0° 94 % 1.750 cd/lm 1 White ents:	20 20 20 20 20 20 20 20 20 20
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15956_HEKL/	CXA/B 13xx 25.0° 94 % 2.300 cd/lm 1 White ents:	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°

PRODUCT DATASHEET



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15256_HEKL	CXA/B 15xx 32.0° 94 % 1.700 cd/lm 1 White eents:	To.         Co.         To.         Sto.         St
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL C14658_BARB Bender Wirth: 4	CDM-14 (Dim-To-Warm) 38.0° 82 % 1.200 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS	20 20 21 22 22 22 24 25 25 26 26 26 27 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	CDM-14 (Dim-To-Warm) 36.0° 87 % 1.500 cd/lm 1 White tents: A-SOCKET-K	200 200 200 200 200 200 200 200 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL C14658_BARB Bender Wirth: 4	CDM-6 (Dim-To-Warm) 26.0° 85 % 2.000 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS	200 200 200 200 200 200 200 200

PRODUCT DATASHEET



<b>C</b> LUMI	NUS	90* 90*
LED	CDM-9 (Dim-To-Warm)	
FWHM	28.0°	3.
Efficiency	89 %	
Peak intensity	2.200 cd/lm	
LEDs/each optic	1	
Light colour	White	g* g*
Required compor	ents:	
C16142_HEKL	A-SOCKET-K	1600
Bender Wirth: 4	190 Typ L8	
		30* 35* 0* 35*
	NUS	50°
LED	CDM-9 (Dim-To-Warm)	
FWHM	30.0°	73'
Efficiency	84 %	
Peak intensity	1.600 cd/lm	601
LEDs/each optic		
Light colour	White	95*
Required compor	ients:	
C16142_HEKL		
C14658_BARB		
Bender Wirth: 4		30° 20°
		170 00 150
	NUS	90°
LED	NUS CTM-9 (Tunable White)	
LED FWHM		30°
LED FWHM Efficiency	CTM-9 (Tunable White)	
LED FWHM Efficiency Peak intensity	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents:	37 60 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K	37 60 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS	37 60 80
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS	37 60 80
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8	37 60 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4 C14658_BARB Bender Wirth: 4	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14 40.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4 EFMIN LED FWHM Efficiency	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14 40.0° 94 % 1.400 cd/lm	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency Peak intensity	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14 40.0° 94 % 1.400 cd/lm	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4 C14658_BARB Bender Wirth: 4 Efficiency Peak intensity LEDs/each optic	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14 40.0° 94 % 1.400 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4 Ender Wirth: 4 WHM Efficiency Peak intensity LEDs/each optic Light colour	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14 40.0° 94 % 1.400 cd/lm 1 White ents:	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4 Ender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour Required compor	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14 40.0° 94 % 1.400 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARB Bender Wirth: 4 Ender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour Required compor	CTM-9 (Tunable White) 30.0° 85 % 1.700 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 195 Typ L8 NUS CXM-14 40.0° 94 % 1.400 cd/lm 1 White ents:	20 20 20 20 20 20 20 20 20 20

PRODUCT DATASHEET



<b>ELUMI</b>	NUS	90* 90*
LED	CXM-9	
FWHM	32.0°	75*
Efficiency	94 %	
Peak intensity	1.700 cd/lm	$K \longrightarrow 1 \longrightarrow 7$
LEDs/each optic	1	
Light colour	White	5° 5°
Required compor	ients:	1200
F15255_HEKL	A-SOCKET-C	
		2000
		300 300
<i>A</i>		
ØNICHIЛ		90* 90*
LED	NJCWL024Z-V1MT: COB L-Type Tunable White	
FWHM	26.0°	400
Efficiency	81 %	601
Peak intensity	1.800 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 65°
Required compor		
C16142_HEKL		
	ARA-RZ-LENS	1600
Bender Wirth: 4	197 Typ L8	36" 34"
<b>ØNICHIA</b>		90° 90°
		<u>84,</u>
<b>NICHIA</b> LED FWHM	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0°	M2. 20, 20,
LED	NJCWL024Z-V1MT: COB L-Type Tunable White	94 97 72 72 70 70 70 70 70
LED FWHM	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0°	21 22 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm	81 10 10 10 10 10 10 10 10 10 1
LED FWHM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm	91 <sup>4</sup> 91 91 91 91 91 91 91 91 91 91 91 91 91
LED FWHM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White	a <sup>2</sup> 20 23 24 25 26 20 20 20 27 27 27 27 27 27 27 27 27 27
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White nents:	91 92 91 92 92 92 92 92 92 92 92 92 92 92 92 92 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White eents: A-SOCKET-K	91 <sup>4</sup> 71 <sup>5</sup> 10 <sup>7</sup> 90 90 91 <sup>6</sup> 90 90 91 <sup>6</sup> 91 <sup>7</sup> 90 90 91 <sup>6</sup> 91 <sup>7</sup> 90 90 91 <sup>7</sup> 91 <sup>7</sup> 90 90 91 <sup>7</sup> 91 <sup>7</sup> 91 <sup>7</sup> 91 <sup>7</sup> 90 91 <sup>7</sup> 91 <sup>7</sup> 919
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White eents: A-SOCKET-K	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White vents: A-SOCKET-K 497 Typ L8	Na         Na
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White hents: A-SOCKET-K 497 Typ L8	27 27 20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White nents: A-SOCKET-K 497 Typ L8	27 27 20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White hents: A-SOCKET-K 497 Typ L8	Na         Na           200         200         200         200           64         200         66         66           25         200         66         66           26         200         66         66
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 <b>MICHIA</b> LED FWHM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White rents: A-SOCKET-K 497 Typ L8	Na         Na           200         200         200         200           64         200         66         66           25         200         66         66           26         200         66         66
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 <b>MICHIA</b> LED FWHM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White eents: A-SOCKET-K 497 Typ L8	Na         Na           200         200         200         200           64         200         66         66           25         200         66         66           26         200         66         66
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 MICHIA LED FWHM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White eents: A-SOCKET-K 497 Typ L8	30,         30,
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 <b>MICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White nents: A-SOCKET-K 497 Typ L8	92         93<
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 <b>MICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White nents: A-SOCKET-K 497 Typ L8	92         93<
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 <b>WICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White nents: A-SOCKET-K 497 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 <b>WICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 24.0° 86 % 2.300 cd/lm 1 White eents: A-SOCKET-K 497 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 43.0° 84 % 1.100 cd/lm 1 White eents: A-SOCKET-K ARA-RZ-LENS	

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XICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	NVCWJ024Z-V1MT: COB J-Type Tunable White 30.0° 90 % 1.800 cd/lm 1 White thents: A-SOCKET-K	
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL C14658_BARE	Fortimo SLM L09 CoB 30.0° 88 % 1.600 cd/lm 1 White the the the the the the the the the the	
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL	Fortimo SLM L09 CoB 28.0° % 1.800 cd/lm 1 White tents:	
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	Fortimo SLM L13 CoB 36.0° 89 % 1.400 cd/lm 1 White tents: A-SOCKET-K	

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#### **PHILIPS**

 LED
 Fortimo SLM L13 CoB

 FWHM
 39.0°

 Efficiency
 84 %

 Peak intensity
 1.200 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 C16142\_HEKLA-SOCKET-K

 C14658\_BARBARA-RZ-LENS
 Bender Wirth: 432 Typ L8

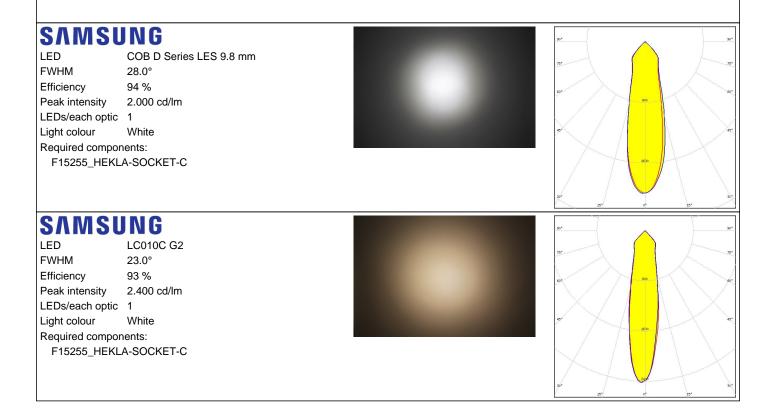


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F14739\_BROOKE-G2-M

# SAMSUNG

LEDCOB D Series LES 9.8 mmFWHM28.0°Efficiency94 %Peak intensity2.000 cd/lmLEDs/each optic1Light colourWhiteRequired components:F15255\_HEKLA-SOCKET-C





seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	97 97 98 97 90 90 90 90 90 90 90 90 90 90 90 90 90
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	20°
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARB	SLE G1 11mm 1000lm 927 Sunset R EXC 40.0° 86 % 1.100 cd/lm 1 White ents: A-SOCKET-I	24 <sup>6</sup> - 20 24 <sup>6</sup> - 20 25 26 27 20 20 20 20 20 20 20 20 20 20
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARB	SLE G1 15mm 2000lm 927 Sunset R EXC 44.0° 86 % 1.100 cd/lm 1 White ents: A-SOCKET-I	31, 17, 15, 15, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12

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### PHOTOMETRIC DATA (MEASURED):

TRIDON		90° 90°
LED	SLE G7 LES09	
FWHM	31.0°	400
Efficiency	94 %	60
Peak intensity	1.800 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compor	nents:	
F15255_HEKL	A-SOCKET-C	
		36. 30.
TRIDON		20 <sup>5</sup> 2000 25 <sup>5</sup>
LED	SLE G7 LES09	
FWHM	SLE G7 LES09 30.0°	75.
Efficiency	91 %	400
Peak intensity	1.700 cd/lm	60° 60°
LEDs/each optic		
Light colour	White	#*
Required compor		1200
F15255_HEKL		
	BARA-RZ-LENS	
		100
		30°
		15° 0° 15°
TRIDON		90° 90° 90°
		30 <sup>4</sup> 30 <sup>2</sup>
LED	SLE G7 LES13	33 <sup>4</sup> 39 <sup>2</sup> 39 <sup>4</sup> 39 <sup>2</sup>
LED FWHM	SLE G7 LES13 40.0°	23 <sup>2</sup> 0 <sup>2</sup> 25 <sup>2</sup>
LED FWHM Efficiency	SLE G7 LES13 40.0° 86 %	60 60 22 50 20 50 20 50 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity	SLE G7 LES13 40.0° 86 % 1.300 cd/lm	60° 60° 60° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic	SLE G7 LES13 40.0° 86 % 1.300 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White	25 <sup>+</sup> 6 <sup>+</sup> 50 <sup>+</sup> 6 <sup>+</sup> 60 <sup>-</sup> 60 <sup>+</sup> 7 <sup>+</sup> 60 <sup>-</sup> 60 <sup>+</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents:	G
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents:	er er 21 125 00 00 00 00 00 00 00 00 00 0
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES13         40.0°         86 %         1.300 cd/lm         1         White         hents:         A-SOCKET-I	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents: A-SOCKET-I BARA-RZ-LENS	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents: A-SOCKET-I BARA-RZ-LENS	23°         23°         6°         13°           23°         23°         6°         6°           23°         23°         6°         6°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents: A-SOCKET-I BARA-RZ-LENS	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents: A-SOCKET-I BARA-RZ-LENS	32         32         32           34         32         32           35         32         32
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents: A-SOCKET-I BARA-RZ-LENS SLE G7 LES13	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents: A-SOCKET-I BARA-RZ-LENS SLE G7 LES13 38.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE <b>TRIDON</b> LED FWHM Efficiency	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White nents: A-SOCKET-I BARA-RZ-LENS SLE G7 LES13 38.0° 93 % 1.400 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE <b>TRIDON</b> LED FWHM Efficiency Peak intensity	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White nents: A-SOCKET-I BARA-RZ-LENS SLE G7 LES13 38.0° 93 % 1.400 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic	SLE G7 LES13 40.0° 86 % 1.300 cd/lm 1 White hents: A-SOCKET-I BARA-RZ-LENS SLE G7 LES13 38.0° 93 % 1.400 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES13         40.0°         86 %         1.300 cd/lm         1         White         hents:         A-SOCKET-I         BARA-RZ-LENS         SLE G7 LES13         38.0°         93 %         1.400 cd/lm         1         White         hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	SLE G7 LES13         40.0°         86 %         1.300 cd/lm         1         White         hents:         A-SOCKET-I         BARA-RZ-LENS         SLE G7 LES13         38.0°         93 %         1.400 cd/lm         1         White         hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C14658_BARE <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	SLE G7 LES13         40.0°         86 %         1.300 cd/lm         1         White         hents:         A-SOCKET-I         BARA-RZ-LENS         SLE G7 LES13         38.0°         93 %         1.400 cd/lm         1         White         hents:	

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### PHOTOMETRIC DATA (MEASURED):

TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL	SLE G7 LES15 42.0° 94 % 1.300 cd/lm 1 White hents:	22 <sup>3</sup> 6 <sup>3</sup> 2 <sup>3</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C15743_XTM-	XTM - 19mm LES 48.0° 91 % 1.100 cd/lm 1 White	30° 130 130 13° 13° 130 13° 13° 130 13° 13° 130 13° 13° 130 13° 13° 13
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C15743_XTM-	XTM - 9mm LES 28.0° 94 % 1.800 cd/lm 1 White	27 27 27 27 20 20 20 20 20 20 20 20 20 20



PRODUCT DATASHEET

F14739\_BROOKE-G2-M

#### PHOTOMETRIC DATA (SIMULATED):

#### bridgelux.

 LED
 V8 Gen6

 FWHM
 25.0°

 Efficiency
 %

 Peak intensity
 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 F15253\_HEKLA-SUCKET-A

#### bridgelux

LED	V8 Gen6
FWHM	25.0°
Efficiency	0 %
Peak intensity	0.000 cd/lm
LEDs/each optic	1
Light colour	White
Required compon	ents:
F15253_HEKL/	A-SOCKET-A

## **CITIZEN**

 LED
 CLL02x/CLU02x (LES10)

 FWHM
 26.0°

 Efficiency
 %

 Peak intensity
 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 F15255\_HEKLA-SOCKET-C

# CITIZEN

 LED
 CLL02x/CLU02x (LES10)

 FWHM
 26.0°

 Efficiency
 0 %

 Peak intensity
 0 %

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 F15255\_HEKLA-SOCKET-C

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#### PHOTOMETRIC DATA (SIMULATED):

#### **CITIZEN** LED CLL02x/CLU02x (LES10) FWHM 26.0° Efficiency 92 % Peak intensity 2.500 cd/lm LEDs/each optic 1 Light colour White Required components: F15255\_HEKLA-SOCKET-C **CITIZEN** LED CLL03x/CLU03x FWHM 36.0° 93 % Efficiency Peak intensity 1.580 cd/lm LEDs/each optic 1 White Light colour Required components: F15859\_HEKLA-SOCKET-I CREE 🚖 LED CXA/B 15xx FWHM 25.0° Efficiency 0 % Peak intensity 0.000 cd/lm LEDs/each optic 1 Light colour White Required components: F15256\_HEKLA-SOCKET-D CREE 🚖 LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM 31.0° Efficiency 0 % 0.000 cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components: F15254\_HEKLA-SOCKET-B

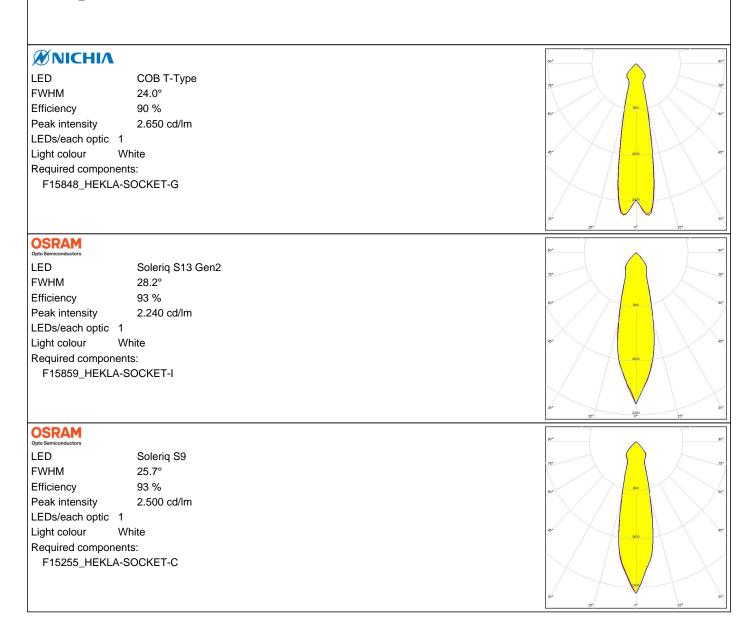
PRODUCT DATASHEET



#### **PHOTOMETRIC DATA (SIMULATED):**

# CREE ≑

LED CXA/B 1816 & CXA/B 1820 & CXA 1850 FWHM 31.0° Efficiency % Peak intensity cd/lm LEDs/each optic 1 Light colour White Required components: F15254\_HEKLA-SOCKET-B



PRODUCT DATASHEET



### PHOTOMETRIC DATA (SIMULATED):

SAMSUNG	90* 90'
LED COB D Series LES 14.5 mm	
FWHM 35.0°	73.
Efficiency 88 %	
Peak intensity 1.570 cd/lm	
LEDs/each optic 1	
Light colour White	g3 <sup>2</sup> 451
Required components:	$\times$
F15859_HEKLA-SOCKET-I	1230
	30* 1000 30
TRIDONIC	1 15° 0° 15°
	200 300
LED SLE G6 LES10	75 75
FWHM 29.0°	
Efficiency 94 %	60° 60°
Peak intensity 2.100 cd/lm	
LEDs/each optic 1 Light colour White	
•	
Required components:	1500
F15255_HEKLA-SOCKET-C	
	30° 15° 0° 15°
TRIDONIC	90* 90
LED SLE G6 LES15	
FWHM 32.0°	75 75
Efficiency 92 %	
Peak intensity 1.900 cd/lm	60 <sup>.6</sup>
LEDs/each optic 1	g
LEDs/each optic 1 Light colour White	9 <sup>4</sup>
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White	0 <sup>°</sup> 122 0 <sup>°</sup>
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17	
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0°	20° - 20° -
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0° Efficiency 92 %	20° - 20° -
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0° Efficiency 92 % Peak intensity 1.590 cd/lm	20° - 20° -
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0° Efficiency 92 % Peak intensity 1.590 cd/lm LEDs/each optic 1	20° - 20° -
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0° Efficiency 92 % Peak intensity 1.590 cd/lm LEDs/each optic 1 Light colour White	20° - 20° -
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0° Efficiency 92 % Peak intensity 1.590 cd/lm LEDs/each optic 1 Light colour White Required components:	20° - 20° -
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0° Efficiency 92 % Peak intensity 1.590 cd/lm LEDs/each optic 1 Light colour White	20° - 20° -
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G6 LES17 FWHM 36.0° Efficiency 92 % Peak intensity 1.590 cd/lm LEDs/each optic 1 Light colour White Required components:	20° - 20° -

PRODUCT DATASHEET

F14739\_BROOKE-G2-M

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#### **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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