

AMY-50-W-C

~36° wide beam. Assembly with holder C compatible with LEDiL HEKLA. Black version.

SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	13.2 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIALS:

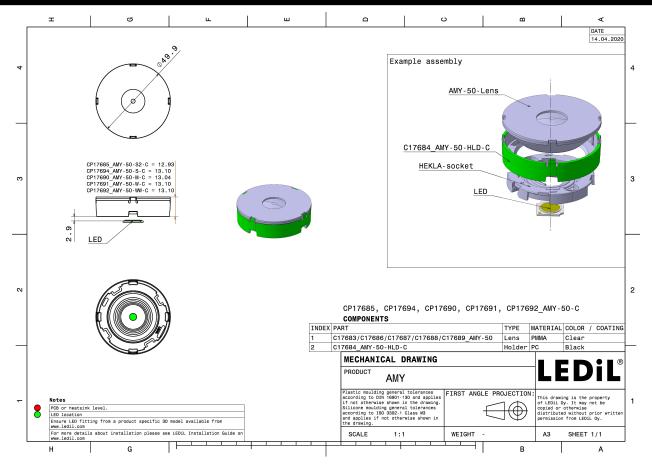
Component	Туре	Material	Colour	Finish
AMY-50-W	Single lens	PMMA	clear	
AMY-50-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17691_AMY-50-W-C	510	120	30	9.0
» Box size: 480 x 280 x 300 mm				



PRODUCT DATASHEET CP17691_AMY-50-W-C



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



bridgelux.		90* 00*
LED	V10 Gen 8	
FWHM / FWTM	35.0° / 61.0°	75°
Efficiency	88 %	
Peak intensity	2 cd/lm	⁹ / /
LEDs/each optic	1	
Light colour	White	er et
Required compone		
F15255_HEKLA		1630
		309 300
		15% 0% 15%
bridgelux.		90* 90*
LED	V11 HD Gen 8	75*
FWHM / FWTM	35.0° / 62.0°	
Efficiency	88 %	60 ⁴
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	43
Required compone	nts:	
Bender Wirth: 63	33d Hekla	- 1630
		30° 15° 0° 15°
bridgelux.		90° 90°
LED	V13 Gen 8	
FWHM / FWTM	37.0° / 69.0°	73'
Efficiency	85 %	
Peak intensity	1.6 cd/lm	60° X 80°
LEDs/each optic	1	
Light colour	White	gr cr
Required compone	nts:	1200
F15859_HEKLA	-SOCKET-I	
		30° 30°
		1 40 0° 30°
bridgelux.		90° 90°
LED	V4 HD Gen 7	25*
FWHM / FWTM	36.0° / 56.0°	
Efficiency	89 %	60° 60°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		1600
F15253_HEKLA	-SOCKET-A	
		300



bridgelux.			90*
LED	V6 HD Gen 7		
FWHM / FWTM	36.0° / 58.0°		
Efficiency	88 %		
Peak intensity	2.1 cd/lm		
LEDs/each optic	1		
Light colour	White		42.
Required compone	nts:		
F15255_HEKLA			1630
			30°
			 159 00 159
bridgelux.			90° 90°
LED	V8 Gen 8		25*
FWHM / FWTM	36.0° / 60.0°		
Efficiency	89 %		60 ⁴ 60 ⁴
Peak intensity	2.1 cd/lm		
LEDs/each optic	1		
Light colour	White		42*
Required compone	nts:	•	
F15253_HEKLA	-SOCKET-A		
			30° 56°
			155° 0° 355
bridgelux.			90° 90°
LED	V9 HD Gen7		75*
FWHM / FWTM	34.0° / 59.0°		
L Efficiency			
Efficiency	86 %		60° 60°
Peak intensity	2.1 cd/lm		60° 60°
Peak intensity LEDs/each optic	2.1 cd/lm 1		
Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White		gr 20 gr 20
Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White nts:		gg
Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White nts:		61 62 62 62 62 62 62 62 62 62 62 62 62 62
Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White nts:		61 61 61 61 61 61 61 61 61 61 61 61 61 6
Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White nts:		30 30 40 50 50 50 50 50 50 50 50 50 5
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	2.1 cd/lm 1 White nts:		30 32 6 32 30 12 6 6 30 12 6 6
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	2.1 cd/lm 1 White nts: -SOCKET-I		30 10 00 00 30 100 00 00
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	2.1 cd/lm 1 White nts: -SOCKET-I		32. 33. 34. 36. 30. 30. 30. 30. 30. 30. 30. 30
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgetux LED FWHM / FWTM	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0°		32. 33. 36. 20. 36. 20. 36. 20.
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgetux. LED FWHM / FWTM Efficiency	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0° 87 %		90 90 90 90 90 90 90 90 90 90
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgetux. LED FWHM / FWTM Efficiency Peak intensity	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0° 87 % 2 cd/lm		84 23 23
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0° 87 % 2 cd/lm 1		84 23 23
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLUX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White nts: -SOCKET-1 VERO10 34.0° / 60.0° 87 % 2 cd/lm 1 White		84 23 23
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLUX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0° 87 % 2 cd/lm 1 White nts:		84 23 23
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLUX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0° 87 % 2 cd/lm 1 White nts:		g. 61 22 24 25
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLUX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0° 87 % 2 cd/lm 1 White nts:		g. 61 22 24 25
Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White nts: -SOCKET-I VERO10 34.0° / 60.0° 87 % 2 cd/lm 1 White nts:		g. 61 22 24 25



bridgelux.		50°
LED	Vesta DTW 13mm (21W)	
FWHM / FWTM	35.0° / 65.0°	77
Efficiency	82 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	at a second s
Required componer		
C16142_HEKLA		
Bender Wirth: 49		
		160
		35° (0 ^h 15°
bridgelux.		90 ⁺
LED	Vesta DTW 15mm (33W)	
FWHM / FWTM	37.0° / 67.0°	
Efficiency	83 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	9 7
Required componer	nts:	
C16142_HEKLA	-SOCKET-K	
Bender Wirth: 49	91 Typ L8	
		24
bridgolup		
bridgelux.		
LED	Vesta TW 13mm (18W) DP	99 ¹
LED FWHM / FWTM	36.0° / 66.0°	77 78 90
LED FWHM / FWTM Efficiency	36.0° / 66.0° 83 %	61 27 26
LED FWHM / FWTM Efficiency Peak intensity	36.0° / 66.0° 83 % 1.7 cd/lm	59° 77 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 66.0° 83 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White	90 ⁴ 71 60 61 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts:	90 ⁴ 75 61 97 77 78 78 78 78 78 78 78 78 78 78 78 78
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K	9°, 1201 1201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K	9° 77 60 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 92 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49 bridgeLUX LED FWHM / FWTM	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 22 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 22 Typ L8 Vesta TW 15mm DP 38.0° / 68.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49 bridgelux. LED FWHM / FWTM Efficiency Peak intensity	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 22 Typ L8 Vesta TW 15mm DP 38.0° / 68.0° 79 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49 bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 02 Typ L8 Vesta TW 15mm DP 38.0° / 68.0° 79 % 1.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49 bridgelux. LED FWHM / FWTM Efficiency Peak intensity	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 22 Typ L8 Vesta TW 15mm DP 38.0° / 68.0° 79 % 1.4 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49 bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 22 Typ L8 Vesta TW 15mm DP 38.0° / 68.0° 79 % 1.4 cd/lm 1 Tunable White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49 bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 27 yp L8 Vesta TW 15mm DP 38.0° / 68.0° 79 % 1.4 cd/lm 1 Tunable White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 49 bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	36.0° / 66.0° 83 % 1.7 cd/lm 1 Tunable White nts: -SOCKET-K 27 yp L8 Vesta TW 15mm DP 38.0° / 68.0° 79 % 1.4 cd/lm 1 Tunable White nts: -SOCKET-K	



bridgelux.	90°
LED Vesta TW 6mm DP	\wedge
FWHM / FWTM 36.0° / 57.0°	
Efficiency 86 %	60*
Peak intensity 2.1 cd/lm	
LEDs/each optic 1	
Light colour Tunable White	43.
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 504 Typ L8	
20 m	0° 13° 30°
bridgelux.	90*
LED Vesta TW 9mm (9W) DP	\land
FWHM / FWTM 35.0° / 60.0°	
Efficiency 85 %	
Peak intensity 2 cd/lm	BU
LEDs/each optic 1	
Light colour Tunable White	45°
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 489 Typ L8	
	30
30 [°]	o" 15"
	90* 35*
CITIZEN LED CLL02x/CLU02x (LES10)	
	· · · · · · · · · · · · · · · · · · ·
LED CLL02x/CLU02x (LES10)	67 257 997 997
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0°	
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 %	00 00 00 00 00 00 00 00 00 00
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm	
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1	000 00 000 000 000000
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White	67 157 997 997 997 997 997 997 997 9
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: **	00
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:	
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C	
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C	
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C CITIZEN LED CLL03x/CLU03x	
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C CITTIZEN LED CLL03x/CLU03x FWHM / FWTM 36.0° / 67.0°	0 th 12 th 30 th
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C CITTIZEN LED CLL03x/CLU03x FWHM / FWTM 36.0° / 67.0° Efficiency 84 %	0 th 12 th 30 th
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C F17435_HEKLA-G2-C ************************************	0 th 12 th 30 th
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C F17435_HEKLA-G2-C ************************************	0 th 12 th 30 th
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C CLL03x/CLU03x FWHM / FWTM 36.0° / 67.0° Efficiency 84 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White	400 00 00 00 00 00 00 00 00 00
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C CITIZEEN LED CLL03x/CLU03x FWHM / FWTM 36.0° / 67.0° Efficiency 84 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C CLL03x/CLU03x FWHM / FWTM 36.0° / 67.0° Efficiency 84 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White	400 00 00 00 00 00 00 00 00 00
LED CLL02x/CLU02x (LES10) FWHM / FWTM 34.0° / 60.0° Efficiency 86 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C CITIZEEN LED CLL03x/CLU03x FWHM / FWTM 36.0° / 67.0° Efficiency 84 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:	400 00 00 00 00 00 00 00 00 00



CITIZE	Ν	20 ⁴ 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU700/701/702/703 35.0° / 57.0° 87 % 2.1 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7A2/7A3 36.0° / 56.0° 87 % 2.1 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7B2 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents:	
CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CMA1516 35.0° / 60.0° 87 % 2 cd/lm 1 White ents:	



		30*
LED	CMA1825	
FWHM / FWTM	35.0° / 64.0°	75
Efficiency	86 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	nts:	
F15254_HEKLA	-SOCKET-B	
		1600
		30 ⁴ 20 ⁷ 30 ⁴⁰ 10 ⁷
		<u>10,</u> 10,
LED	CMT14xx	
FWHM / FWTM	34.0° / 60.0°	
Efficiency	86 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
F17435_HEKLA	-G2-C	
		20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LED	CMT19xx	
FWHM / FWTM	36.0° / 67.0°	77
Efficiency	84 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	1200
F17438_HEKLA	-G2-I	
		30 ⁴ 20 ⁵ 0 ⁴ 10 ⁵
	D	
LED	CMU10xx	
FWHM / FWTM	35.0° / 61.0°	37
Efficiency	87 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
		at at a second se
Light colour	White	
Light colour Required compone		
	ints:	500
Required compone	ints:	- 604
Required compone	ints:	500 24



			900
LED	CXA/B 13xx		
FWHM / FWTM	36.0° / 57.0°		73*
Efficiency	88 %		
Peak intensity	2.1 cd/lm		60° · · · · · · · · · · · · · · · · · · ·
LEDs/each optic	1		
Light colour	White		434 435
Required compone			
F17439_HEKLA			1600
			30° 36'
			15° 0° 15°
			30* 30*
LED	CXA/B 15xx		
FWHM / FWTM	35.0° / 59.0°		
Efficiency	87 %		60
Peak intensity	2.1 cd/lm		
LEDs/each optic	1		
Light colour	White		43° 43°
Required compone	nts:		
F17436_HEKLA	-G2-D		
			36
			15° 0° 15°
LEDIM			90*
LED	LEDIM/C6		94 ³
LED FWHM / FWTM	35.0° / 60.0°		90 ⁴
LED FWHM / FWTM Efficiency	35.0° / 60.0° 87 %		201 202 202 202 203 202
LED FWHM / FWTM Efficiency Peak intensity	35.0° / 60.0° 87 % 2 cd/lm		90 ⁴ 90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	35.0° / 60.0° 87 % 2 cd/lm 9		90 ⁴ 90 90 ⁴ 90 90 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 60.0° 87 % 2 cd/lm 9 White		20 ¹ 00 20 ¹ 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	35.0° / 60.0° 87 % 2 cd/lm 9 White nts:		90* 99 90* 99 90* 90 90* 90* 90 90* 90* 90 90* 90* 90* 90 90* 90* 90* 90 90* 90* 90* 90 90* 90* 90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 60.0° 87 % 2 cd/lm 9 White nts:		90 ⁴ 99 95 95 95 95 95 95 95 95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	35.0° / 60.0° 87 % 2 cd/lm 9 White nts:		90 ⁴ 99 ⁴ 92 ⁵ 72 ⁹ 95 ⁶ 6 ⁴ 95 ⁷ 6 ⁴ 95 ⁷ 6 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	35.0° / 60.0° 87 % 2 cd/lm 9 White nts:		20° 20° 00° 00° 20° 00° 00° 20° 00° 00° 20° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1 EDS LUXEON CoB 1202/1203		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1 EDS LUXEON CoB 1202/1203 34.0° / 59.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1 EDS LUXEON CoB 1202/1203 34.0° / 59.0° 86 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-I EDS LUXEON CoB 1202/1203 34.0° / 59.0° 86 % 2 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-I EDS LUXEON CoB 1202/1203 34.0° / 59.0° 86 % 2 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1 EDS LUXEON CoB 1202/1203 34.0° / 59.0° 86 % 2 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA COMPARENTIAL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1 EDS LUXEON CoB 1202/1203 34.0° / 59.0° 86 % 2 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1 EDS LUXEON CoB 1202/1203 34.0° / 59.0° 86 % 2 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	35.0° / 60.0° 87 % 2 cd/lm 9 White nts: -G2-1 EDS LUXEON CoB 1202/1203 34.0° / 59.0° 86 % 2 cd/lm 1 White nts:		



COMIL	.EDS	<u>90</u> *
LED	LUXEON CoB 1204HD	
FWHM / FWTM	35.0° / 60.0°	
Efficiency	86 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr (
Required compone	ents:	
F17437_HEKLA	-G2-H	
•		259 04 25
UMIL	.EDS	50 ⁴
LED	LUXEON CoB M02/M03	
FWHM / FWTM	35.0° / 60.0°	
Efficiency	87 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F17436_HEKLA	-G2-D	
🥙 LUMIL	.EDS	90*
	LUXEON CoB S01	90*
		25*
LED	LUXEON CoB S01	84 25 26
LED FWHM / FWTM	LUXEON CoB S01 36.0° / 57.0°	6)r 200 22 26
LED FWHM / FWTM Efficiency	LUXEON CoB S01 36.0° / 57.0° 88 %	50°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm	97° 97° 97°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White	97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White	9 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White	9° 9° 90 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White white -G2-J	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J .EDS LUXEON Fusion 12-up (20x24)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White white -G2-J	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J EDS LUXEON Fusion 12-up (20x24) 35.0° / 61.0° 80 %	27 A0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J EDS LUXEON Fusion 12-up (20x24) 35.0° / 61.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J EDS LUXEON Fusion 12-up (20x24) 35.0° / 61.0° 80 % 1.8 cd/lm 12	27 A0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J EDS LUXEON Fusion 12-up (20x24) 35.0° / 61.0° 80 % 1.8 cd/lm 12 White	27 A0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J EDS LUXEON Fusion 12-up (20x24) 35.0° / 61.0° 80 % 1.8 cd/lm 12 White ents:	27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White ents: -G2-J .EDS LUXEON Fusion 12-up (20x24) 35.0° / 61.0° 80 % 1.8 cd/lm 12 White ents: -SOCKET-K	27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 36.0° / 57.0° 88 % 2.1 cd/lm 1 White onts: -G2-J LUXEON Fusion 12-up (20x24) 35.0° / 61.0° 80 % 1.8 cd/lm 12 White onts: -SOCKET-K -RZ-LENS	



LUMIL	EDS	90 ⁵
LED	LUXEON Fusion 21-up (20x24)	
FWHM / FWTM	35.0° / 62.0°	
Efficiency	79 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	21	
Light colour	White	er de la companya de
Required compone	ents:	
C16142_HEKLA		
F18158_HEKLA		500
Bender Wirth: 4	42 Typ L8	30 ⁵ 10 ⁵ e ⁴ 10 ⁵ 3
	EDS	90'
LED	LUXEON Fusion 27-up (20x24)	
FWHM / FWTM	35.0° / 65.0°	79
Efficiency	78 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	27	
Light colour	White	g.
Required compone	ents:	
C16142_HEKLA	A-SOCKET-K	
F18158_HEKLA	A-RZ-LENS	
Bender Wirth: 4	42 Typ L8	30.
	INUS	90*
		90'
LED	CXM-3	8°
LED FWHM / FWTM		30 ⁴
LED FWHM / FWTM Efficiency	CXM-3 36.0° / 55.0° 88 %	50 ⁴ 50 50 ⁴ 50 50 ⁴ 50
LED FWHM / FWTM Efficiency Peak intensity	CXM-3 36.0° / 55.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents:	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C INUS CXM-4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C CXM-4 36.0° / 56.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C INUS CXM-4 36.0° / 56.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C INUS CXM-4 36.0° / 56.0° 88 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C CXM-4 36.0° / 56.0° 88 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 36.0° / 55.0° 88 % 2.1 cd/lm 1 White ents: A-G2-C	



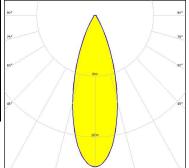
ØNICHI			90° 90
LED	COB L-Type (LES 11)		
FWHM / FWTM	34.0° / 62.0°		175* 400
Efficiency	85 %		
Peak intensity	1.9 cd/lm		60 ⁴ 60
LEDs/each optic	1		
Light colour	White		a ¹
Required compone			
F17437_HEKLA			
			30 2000 30
			15 ⁵ 0 ⁶ 15 ⁵
			90* 90
LED	COB L-Type (LES 9)		75"
FWHM / FWTM	35.0° / 59.0°		
Efficiency	86 %		60° 60
Peak intensity	2 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone			
F17437_HEKLA	-G2-H		
			30, 15, 0, 15, 36
ØNICHI			90* 90
			99 ⁴
	COB S-Type (LES 7) 35.0° / 58.0°		25
LED	COB S-Type (LES 7)		84 22 24 25 25 25 25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM	COB S-Type (LES 7) 35.0° / 58.0°		90* 90 7* 72 60* 60
LED FWHM / FWTM Efficiency	COB S-Type (LES 7) 35.0° / 58.0° 88 %		90* 90 75* 75 60* 60
LED FWHM / FWTM Efficiency Peak intensity	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm		91 ⁴ 91 ⁴ 91 ⁴ 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White		6,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts:		9° - 90 95 - 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts:		9 ⁴ 9 ⁴ 9 ⁵ 9 ⁵ 9 ⁵ 9 ⁶ 9 ⁶ 9 ⁶ 9 ⁷ 9 ⁷ 9 ⁷ 9 ⁷ 9 ⁷ 9 ⁷ 9 ⁷ 9 ⁷
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts:		27 29 40 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: -SOCKET-G		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: -SOCKET-G		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: -SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA PHILLEP FWHM / FWTM Efficiency	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: -SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0° 86 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: -SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0° 86 % 2 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: -SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0° 86 % 2 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: -SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0° 86 % 2 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA PHILLEP FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0° 86 % 2 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0° 86 % 2 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA PHILLEP FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 35.0° / 58.0° 88 % 2.1 cd/lm 1 White nts: SOCKET-G S Fortimo SLM L09 CoB 34.0° / 60.0° 86 % 2 cd/lm 1 White nts:		



LED	LCU
FWHM / FWTM	34.0
Efficiency	86 %
Peak intensity	2 cd
LEDs/each optic	1
Light colour	Whit
Required componen	its:
F17435_HEKLA-(G2-C

LC003D / LC006D / LC009D / LC013D 34.0° / 60.0° 86 % 2 cd/lm 1 White ts: 32.0





SAMSUNG

LED LCON FWHM/FWTM 38.0° Efficiency 84 % Peak intensity 1.5 co LEDs/each optic 1 Light colour White Required components F17438_HEKLA-S2-I

LC016D / LC019D / LC026D / LC033D 38.0° / 70.0° 84 % 1.5 cd/lm 1 White ts:



SAMSUNG LED LC030C/040C G2 FWHM / FWTM 35.0° / 63.0° Efficiency 85 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-I SEOUL 90 SEOUL SEMICONDUCTOR LED MJT COB LES 14.5 FWHM / FWTM 37.0° / 68.0° Efficiency 84 % Peak intensity 1.6 cd/lm LEDs/each optic 1 White Light colour Required components: F17438_HEKLA-G2-I



(
SEOUL		50°
SEOUL SEMICONDUCTOR	MJT COB LES 6	
FWHM / FWTM	36.0° / 57.0°	<u>n</u>
	87 %	
Efficiency	87 % 2.1 cd/lm	60° 000
Peak intensity		
LEDs/each optic	1	
Light colour	White	
Required componer F17435_HEKLA-		
1 17435_HEREA	-62-6	
		30 ⁴
SEOUL		
LED	MJT COB LES 9.8	77
FWHM / FWTM	34.0° / 60.0°	
Efficiency	86 %	691
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		100
F17435_HEKLA-	-62-0	
•		a v a
TRIDON		20 ⁴
LED	SLE G7 LES09	
LED FWHM / FWTM	SLE G7 LES09 34.0° / 59.0°	
LED FWHM / FWTM Efficiency	SLE G7 LES09 34.0° / 59.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA-	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA- TRIDON LED FWHM / FWTM Efficiency	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0° 84 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0° 84 % 1.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0° 84 % 1.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0° 84 % 1.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0° 84 % 1.8 cd/lm 1 White nts:	79 197 190 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0° 84 % 1.8 cd/lm 1 White nts:	79 197 190 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15848_HEKLA TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	SLE G7 LES09 34.0° / 59.0° 86 % 2 cd/lm 1 White nts: -SOCKET-G SLE G7 LES13 35.0° / 65.0° 84 % 1.8 cd/lm 1 White nts:	75



TRIDON	VIC		90*	90°
LED	SLE G7 LES15		75*	1
FWHM / FWTM	37.0° / 68.0°			
Efficiency	84 %		50*	60°
Peak intensity	1.6 cd/lm			
LEDs/each optic	1			$\land \lor$
Light colour	White		93"	ez.
Required compone	ents:		1200	
F17438_HEKLA	A-G2-I		30° 27 et	15° 36*



OPTICAL RESULTS (SIMULATED):

bridgelux.		50°
LED	V8 Gen7	
FWHM / FWTM	36.0° / 58.0°	75*
Efficiency	86 %	
Peak intensity	2.2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	(X X)
Required components:		
F15253_HEKLA-SOC	KET-A	
		300 350 300 350
bridgelux.		90* 90*
LED	Vero SE 13	
FWHM / FWTM	34.0° / 61.0°	75*
Efficiency	80 %	
Peak intensity	1.9 cd/lm	60*
LEDs/each optic	1	
Light colour	White	φ* a*
Required components:	White	120
C16142_HEKLA-SO	YKET-K	
		1630
		30° 30° 30°
CITI7EN		
CITIZEN		90° 90°
LED	CLU700/701/702/703	25 ⁻ 29 ⁻ 29 ⁻
LED FWHM / FWTM	36.2° / 56.3°	35 ¹ 35 ¹
LED FWHM / FWTM Efficiency	36.2° / 56.3° 87 %	6 ¹ 50 ²
LED FWHM / FWTM Efficiency Peak intensity	36.2° / 56.3° 87 % 2.1 cd/lm	59° 59°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.2° / 56.3° 87 % 2.1 cd/lm 1	99 ⁴ 99 ⁴ 75 ⁵ 79 ⁴ 60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.2° / 56.3° 87 % 2.1 cd/lm	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.2° / 56.3° 87 % 2.1 cd/lm 1 White	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.2° / 56.3° 87 % 2.1 cd/lm 1 White	97 97 97 97 97 97 97 97 97 97 97 97 97 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.2° / 56.3° 87 % 2.1 cd/lm 1 White	99 ⁴ 99 ⁴ 99 ⁴ 99 ⁴ 800 80 ⁵ 80 ⁵ 80 ⁵ 80 ⁵ 80 ⁵ 80 ⁵ 80 ⁵ 80 ⁵ 80 ⁵ 80 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.2° / 56.3° 87 % 2.1 cd/lm 1 White	59 ⁴ 59 ⁵ 69 ⁴ 69 ⁴ 60 ⁶ 60 ⁶ 60 ⁷ 60 ⁷ 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC	36.2° / 56.3° 87 % 2.1 cd/lm 1 White	30 32 30 30 52,1 0,2 40 60 60 51,1 0,2 52,1 60 60,1 60,1 52,1 52,1 52,1 53,1 52,1 52,1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC	36.2° / 56.3° 87 % 2.1 cd/lm 1 White XKET-C	301 302 301 302 303 302 304 302 305 302 304 305
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC	36.2° / 56.3° 87 % 2.1 cd/lm 1 White CLU712/713	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC	36.2° / 56.3° 87 % 2.1 cd/lm 1 White CLU712/713 36.0° / 60.0°	5° 5° 5° 5° 5° 5° 5° 5° 5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC CITTIZEN LED FWHM / FWTM Efficiency	36.2° / 56.3° 87 % 2.1 cd/lm 1 White CKET-C CLU712/713 36.0° / 60.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC CITTIZEN LED FWHM / FWTM Efficiency Peak intensity	36.2° / 56.3° 87 % 2.1 cd/lm 1 White CKET-C CLU712/713 36.0° / 60.0° 87 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.2° / 56.3° 87 % 2.1 cd/lm 1 White CKET-C CLU712/713 36.0° / 60.0° 87 % 2.1 cd/lm 1	
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.2° / 56.3° 87 % 2.1 cd/lm 1 White CLU712/713 36.0° / 60.0° 87 % 2.1 cd/lm 1 White	
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OPTICAL RESULTS (SIMULATED):

UMILE	DS	55*	90°
LED	LUXEON CoB 1202/1203	75	25
FWHM / FWTM	34.2° / 59.3 + 58.3°		
Efficiency	85 %	we have a second s	60
Peak intensity	2.1 cd/lm		
LEDs/each optic	1		
Light colour	White	9°	45
Required components	5.		
F15858_HEKLA-S	OCKET-H		
		204	36*
~		<u></u>	/
MICHIΛ		55*	90'
LED	COB S-Type (LES 7)	77	75*
Assembly	NULL	$\land \land \land \land \land$	
FWHM / FWTM	36.0° / 58.0°		60*
Efficiency	86 %		
Peak intensity	2.1 cd/lm		
LEDs/each optic	1	3 7	45
Light colour	White		
Required components	5.		
Bender Wirth: 652a	a Hekla		
		346	36.
		133, 64, 133,	
SAMSU	NG	394 257 04 105	90°
SAMSU LED	NG LC003D / LC006D / LC009D / LC0	»·	90*
		»·	90°
LED	LC003D / LC006D / LC009D / LC0	»·	90° 25°
LED FWHM / FWTM Efficiency	LC003D / LC006D / LC009D / LC0 35.2° / 60.3°	»·	90°
LED FWHM / FWTM	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 %	»·	90°
LED FWHM / FWTM Efficiency Peak intensity	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm	»·	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White	»·	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White	»·	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White	»·	90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White	»·	90' 25' 66' 65'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White 5: OCKET-C	13D	85 64 80
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White 5: OCKET-C	»·	99 75 60 85 85 85 85 85 85 85 85 85
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White 5: OCKET-C	13D	97 197 197 197 197 197 197 197
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: OCKET-C	13D	99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: DCKET-C	13D	99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S TRIDON LED FWHM / FWTM Efficiency Peak intensity	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: OCKET-C SLE SNC8 LES06 36.0° / 57.0 + 56.0° 90 % 2.2 cd/lm	13D	99 27 27 27 27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: OCKET-C SLE SNC8 LES06 36.0° / 57.0 + 56.0° 90 % 2.2 cd/lm 1	13D	99 99 99 99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: DCKET-C SLE SNC8 LES06 36.0° / 57.0 + 56.0° 90 % 2.2 cd/lm 1 White	13D	99 97 97 97 97 97 97 97 97 97 97 97 97 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: OCKET-C SLE SNC8 LES06 36.0° / 57.0 + 56.0° 90 % 2.2 cd/lm 1 White 5:	13D	99 99 99 99 99 99 99 99 99 99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: OCKET-C SLE SNC8 LES06 36.0° / 57.0 + 56.0° 90 % 2.2 cd/lm 1 White 5:	13D	99 99 99 99 99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15255_HEKLA-S TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	LC003D / LC006D / LC009D / LC0 35.2° / 60.3° 84 % 2 cd/lm 1 White S: OCKET-C SLE SNC8 LES06 36.0° / 57.0 + 56.0° 90 % 2.2 cd/lm 1 White 5:	13D	90 92 75 75 75 75 75 75 75 75 75 75 75 75 75



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.

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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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