

carclo
Optics

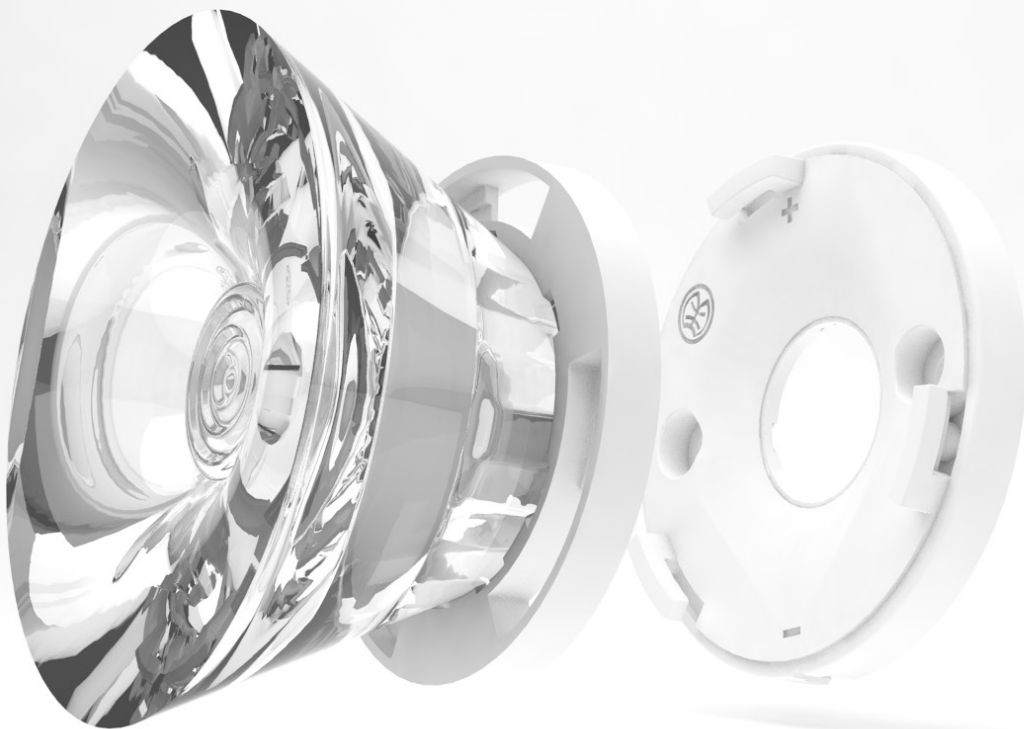
**BENDER
+ WIRTH**

www.carclo-optics.com

www.bender-wirth.com

SUMMER 2021

SILICONE S1



Optic
Select

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67mm
ULTRA NARROW
PLAIN



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67mm
NARROW
PLAIN



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67mm
MEDIUM
PLAIN



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67mm
WIDE SPOT
FROSTED FACE

Contact 25



WHY SILICONE?

Silicone has much higher temperature and UV resistance than either PC or PMMA. This makes it particularly well suited to high powered COB LEDs.

S1 SILICONE OPTICS

Available in Ultra Narrow | Narrow | Medium | Wide

Suitable for Chip On Board (COB) LEDs from 6mm LES to 23mm LES 6 - 85W.



Silicone withstands much higher temperatures than PC or PMMA



The Optic

The premium quality optic is made from silicone and moulded directly into the base piece creating a single unit.

The Base

The base clicks into the interconnect and is supplied with the silicone optic permanently overmoulded in place.



Zhaga

D50 Compatible

Ø50mm

The Interconnect

The silicone systems have been designed to work with the Bender + Wirth 630 3Hook interconnects. The interconnects are ZHAGA compliant (D50 compatible). The results for the S1 systems with leading LEDs can be seen on the following pages.



Part No: **60036**

Diameter: 67mm

Beam Type: ULTRA NARROW

Finish: PLAIN

Optic Type: SILICONE

bridgelux

LED	Efficiency	FWHM	Cd/lm	B+W Part
V10B	84	10	17.1	630 3Hook 634b 47863
V13B	84	15	6.8	630 3Hook 633c 47564
V4 HD White	87	5	65.1	630 3Hook 660a 47957
V6 HD White	87	7	36.2	630 3Hook 634c 47867
V6 White	86	7	42.5	630 3Hook 660a 47957

CITIZEN
Micro HumanTech

CITILED COB CLU7B2	84.5	5	85.2	630 3Hook 634a 47441
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CREE LED

XLAMP CMA 1303	86.0	5	82.7	630 3Hook 634c 47867
XLAMP CMA 1306	86.0	7	37.7	630 3Hook 634c 47867
XLAMP CMA 1825	86.0	14	9.4	630 3Hook 637a 47472
XLAMP CMA 1840	85.0	16	6.7	630 3Hook 637a 47472
XLAMP CMA 2550	83.5	20	4	630 3Hook 639a 47585
XLAMP CMT 1922	84.5	16	6.8	630 3Hook 633c 47564
XLAMP CMT 1930	84.5	16	6.7	630 3Hook 633c 47564
XLAMP CXB 1304	86.5	7	43.0	630 3Hook 634c 47867
XLAMP CXB 1310	86.5	7	37.8	630 3Hook 634c 47867
XLAMP CXB 1816	71.5	12	9.6	630 3Hook 637a 47472
XLAMP CXB 2530	84.5	19	4.6	630 3Hook 639a 47585
XLAMP CXB 2540	84.5	20	4.2	630 3Hook 639a 47585



Part No: **60036**

Diameter: 67mm

Beam Type: ULTRA NARROW

Finish: PLAIN

Optic Type: SILICONE



LED	Efficiency	FWHM	Cd/lm	B+W Part
CX PLUS (Gen2) L04	79.5	13	9.7	630 3Hook 637a 47472
CX PLUS (Gen2) L08	78.0	16	6.5	630 3Hook 637a 47472
CX PLUS (Gen2) M03	84.0	10	16.5	630 3Hook 641a 47460
CX PLUS (Gen2) S01	84.0	7	37.5	630 3Hook 634c 47867
1216 E23	80.5	24	2.6	630 3Hook 631b 47583
1216 F23	82.0	24	2.6	630 3Hook 631b 47583
1812	81.5	23	2.7	630 3Hook 631b 47583

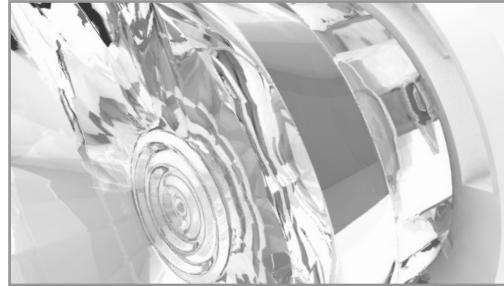
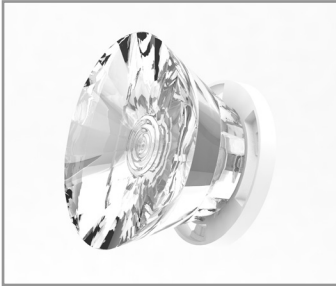


COB CXM-3	87.0	5	87.6	630 3Hook 634a 47441
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SAWS1566A	84.5	18	5.6	630 3Hook 633c 47564
SAWS226AA	82.5	24	2.7	630 3Hook 631a 47582





Part No: **60037**

Diameter: 67mm

Beam Type: NARROW

Finish: PLAIN

Optic Type: SILICONE

bridgelux

LED	Efficiency	FWHM	Cd/lm	B+W Part
V10B	84.0	20	6.5	630 3Hook 634b 47863
V13B	83.5	26	4.0	630 3Hook 633c 47564
V18C	91.0	28	3.7	630 3Hook 639b 47882
V22C	81.5	29	2.4	630 3Hook 631b 47583

CITIZEN
Micro HumanTech

CITILED COB CLU02J	83.5	21	5.9	630 3Hook 634a 47441
CITILED COB CLU03J	81.5	26	3.8	630 3Hook 633a 47562
CITILED COB CLU04J	78.0	30	2.0	630 3Hook 631a 47582
CITILED COB CLU7B2	84.0	12	14.3	630 3Hook 634a 47441
CITILED VIVID CLU028	84.0	20	6.2	630 3Hook 634a 47441
CITILED VIVID CLU038	85.0	25	4.1	630 3Hook 633a 47562
CITILED VIVID CLU048	79.0	30	2.1	630 3Hook 631a 47582
CITILED VIVID CLU721	85.0	22	5.4	630 3Hook 633c 47564
CITILED VIVID CLU731	83.5	24	4.4	630 3Hook 631b 47583





Part No: **60037**

Diameter: 67mm

Beam Type: NARROW

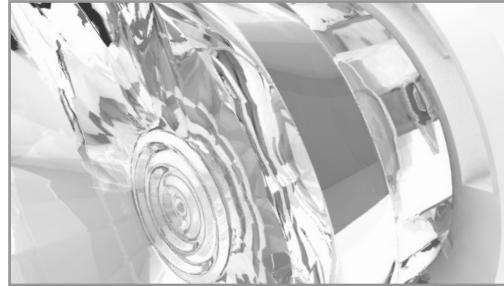
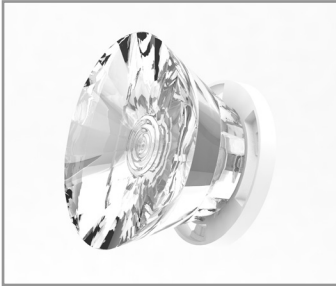
Finish: PLAIN

Optic Type: SILICONE

LED Efficiency FWHM Cd/lm B+W Part

CREE LED

XLAMP CMA 1825	86.0	23	5.0	630 3Hook 637a 47472
XLAMP CMA 1840	85.0	25	4.1	630 3Hook 637a 47472
XLAMP CMA 2550	83.0	28	2.8	630 3Hook 639a 47585
XLAMP CMT 1412	84.5	21	5.9	630 3Hook 634a 47441
XLAMP CMT 1420	85.0	20	6.3	630 3Hook 634a 47441
XLAMP CMT 1922	84.5	25	4.1	630 3Hook 633c 47564
XLAMP CMT 1930	84.5	25	4.0	630 3Hook 633c 47564
XLAMP CMT 1945	84.0	26	3.9	630 3Hook 633c 47564
XLAMP CMT 2850	81.0	30	2.1	630 3Hook 631b 47583
XLAMP CMT 2870	81.0	30	2.2	630 3Hook 631b 47583
XLAMP CMT 2890	81.5	30	2.1	630 3Hook 631b 47583
XLAMP CXB 1507	86.0	20	6.8	630 3Hook 641a 47460
XLAMP CXB 1520	85.5	20	6.6	630 3Hook 641a 47460
XLAMP CXB 1816	71.5	23	4.2	630 3Hook 637a 47472
XLAMP CXB 1820	86.0	23	5.0	630 3Hook 637a 47472
XLAMP CXB 1830	85.5	25	4.2	630 3Hook 637b 47871
XLAMP CXB 2530	84.0	27	3.0	630 3Hook 639a 47585
XLAMP CXB 2540	84.0	28	2.9	630 3Hook 639a 47585



Part No: **60037**

Diameter: 67mm

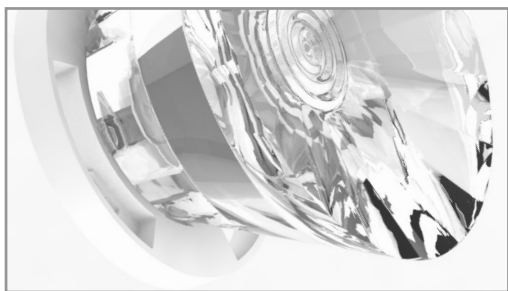
Beam Type: NARROW

Finish: PLAIN

Optic Type: SILICONE

LUXEON
BY PHILIPS LUMILEDS

	LED	Efficiency	FWHM	Cd/lm	B+W Part
CX PLUS (Gen2) L04		79.0	23	4.7	630 3Hook 637a 47472
CX PLUS (Gen2) L08		78.0	25	3.9	630 3Hook 637a 47472
CX PLUS (Gen2) M03		83.5	19	6.6	630 3Hook 641a 47460
CX PLUS (Gen2) S01		83.0	16	9.6	630 3Hook 634c 47867
1202		85.5	20	6.7	630 3Hook 638b 47877
1202 HD		85.5	17	82.9	630 3Hook 652a 47456
1203		85.5	20	6.7	630 3Hook 638b 47877
1205 HD		85.5	22	5.2	630 3Hook 638b 47877
1208		84.5	26	4.0	630 3Hook 632a 47580
1208 F15		83.5	26	4.0	630 3Hook 632a 47580
1211 E19		83.0	29	2.7	630 3Hook 631b 47583
1211 F19		83.0	28	2.8	630 3Hook 631b 47583
1216 E23		78.0	31	1.9	630 3Hook 631b 47583
1216 F23		79.5	30	1.9	630 3Hook 631b 47583
1812		79.0	30	2.0	630 3Hook 631b 47583
1204		83.0	23	4.8	630 3Hook 632a 47580
COB 1204 HD		86.0	20	6.5	630 3Hook 638b 47877
S04H9 HD		85.0	20	6.4	630 3Hook 634b 47863



Part No: **60037**

Diameter: 67mm

Beam Type: NARROW

Finish: PLAIN

Optic Type: SILICONE



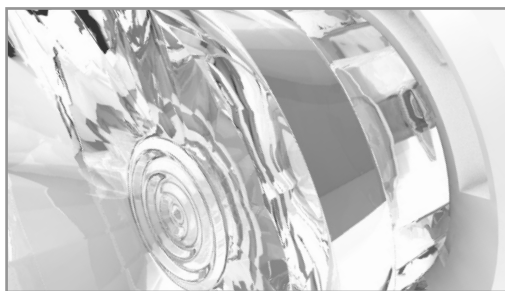
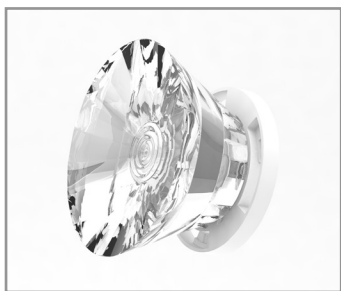
	LED	Efficiency	FWHM	Cd/lm	B+W Part
	COB CXM 9	84.5	21	5.9	630 3Hook 634a 47441
	COB CXM 11	85.5	24	4.7	630 3Hook 633a 47562
	COB CXM 14	84.5	26	3.8	630 3Hook 633a 47562



	NFCWJ 108B	82.0	25	4.0	630 3Hook 663a 47947
	NFCWL 036B	84.0	19	6.9	630 3Hook 638a 47466
	NFCWL 060B	84.0	22	5.3	630 3Hook 638a 47466
	NFDWJ 130B	82.0	25	4.0	630 3Hook 663a 47947
	NVCWL 024Z	84.0	21	5.6	630 3Hook 638a 47466
	NVEWJ 048Z	82.0	25	3.9	630 3Hook 663a 47947
	NVEWL 016Z	84.0	19	6.7	630 3Hook 638a 47466



	C Series LC030C	86.0	23	5.0	630 3Hook 633c 47564
	C Series LC040C	86.0	23	5.0	630 3Hook 633c 47564
	D Series LC040D	82.5	27	2.7	630 3Hook 631b 47583
	D Series LC060D	81.5	28	2.6	630 3Hook 631b 47583
	D Series LC080D	82.0	28	2.6	630 3Hook 631b 47583



Part No: **60037**

Diameter: 67mm

Beam Type: NARROW

Finish: PLAIN

Optic Type: SILICONE

LED Efficiency FWHM Cd/lm

B+W Part



SAWS1063A	86.0	20	6.3	630 3Hook 634b 47863
SAWS1564A	84.5	26	3.8	630 3Hook 633c 47564
SAWS1566A	84.0	27	3.6	630 3Hook 633c 47564
SAWS226AA	80.5	30	2.0	630 3Hook 631a 47582

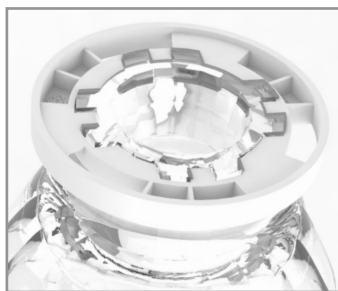


COB SLE Gen7 LES9	83.5	20	6.6	630 3Hook 633c 47564
COB SLE Gen7 LES13	84.0	24	4.3	630 3Hook 633c 47564
COB SLE Gen7 LES15	83.5	26	3.9	630 3Hook 633c 47564



COB VCA1210-830	81.5	27	3.2	630 3Hook 631b 47583
COB VCA1212-830	81.0	28	2.6	630 3Hook 631b 47583
COB VCA123-830	82.5	19	6.6	630 3Hook 634b 47863
COB VCA125-830	83.5	25	4.2	630 3Hook 633c 47564





Part No: **60038**

Diameter: 67mm

Beam Type: MEDIUM

Finish: PLAIN

Optic Type: SILICONE

bridgelux

	LED	Efficiency	FWHM	Cd/lm	B+W Part
V10B		85.0	29	2.6	630 3Hook 634b 47863
V13B		84.5	37	1.7	630 3Hook 633c 47564
V22C		83.0	42	1.1	630 3Hook 631b 47583
V6 HD		87.5	22	3.7	630 3Hook 634c 47867
V6		86.5	20	4.1	630 3Hook 660a 47957
V8E		86.5	25	3.2	630 3Hook 660a 47957
V9 HD		87.5	28	2.8	630 3Hook 633d 47565

CITIZEN
Micro HumanTech

CITILED COB CLU02J	84.5	30	2.4	630 3Hook 634a 47441
CITILED COB CLU03J	84.5	37	1.6	630 3Hook 633a 47562
CITILED COB CLU04J	80.0	44	1.0	630 3Hook 631a 47582
CITILED COB CLU702	85.5	22	3.6	630 3Hook 634a 47441
CITILED COB CLU712	86.5	27	2.8	630 3Hook 633c 47564
CITILED COB CLU7B2	85.0	14	5.9	630 3Hook 634a 47441
CITILED VIVID CLU028	85	30	2.5	630 3Hook 634a 47441
CITILED VIVID CLU038	86.0	36	1.7	630 3Hook 633a 47562
CITILED VIVID CLU048	81.5	43	1.0	630 3Hook 631a 47582
CITILED VIVID CLU701	86.5	21	3.8	630 3Hook 634a 47441
CITILED VIVID CLU711	86.0	27	2.8	630 3Hook 633a 47563



Part No: **60038**

Diameter: 67mm

Beam Type: MEDIUM

Finish: PLAIN

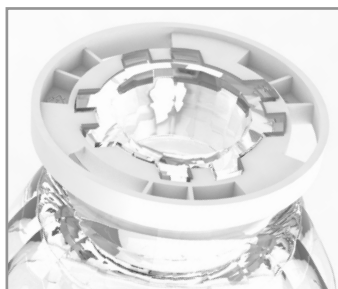
Optic Type: SILICONE

CITIZEN
Micro HumanTech
(Cont.)

LED	Efficiency	FWHM	Cd/lm	B+W Part
CITILED VIVID CLU721	86.0	32	2.2	630 3Hook 633c 47564
CITILED VIVID CLU731	85.0	35	1.8	630 3Hook 631b 47583

CREE LED

XLAMP CMA 1303	86.5	17	79.8	630 3Hook 634c 47867
XLAMP CMA 1306	86.5	21	3.9	630 3Hook 634c 47867
XLAMP CMA 1516	87.0	28	2.7	630 3Hook 641a 47460
XLAMP CMA 1825	87.0	34	2.0	630 3Hook 637a 47472
XLAMP CMA 1840	86.0	37	1.8	630 3Hook 637a 47472
XLAMP CMA 2550	82.5	40	1.3	630 3Hook 639a 47585
XLAMP CMT 1412	85.5	31	2.4	630 3Hook 634a 47441
XLAMP CMT 1420	86.0	29	2.6	630 3Hook 634a 47441
XLAMP CMT 1922	85.5	37	1.8	630 3Hook 633c 47564
XLAMP CMT 1930	85.5	37	1.7	630 3Hook 633c 47564
XLAMP CMT 1945	85.0	37	1.7	630 3Hook 633c 47564
XLAMP CMT 2850	83.0	44	1.0	630 3Hook 631b 47583
XLAMP CMT 2870	83.0	44	1.0	630 3Hook 631b 47583
XLAMP CMT 2890	83.5	43	1.0	630 3Hook 631b 47583
XLAMP CXB 1304	87.0	20	4.1	630 3Hook 634c 47867
XLAMP CXB 1310	87.0	21	3.8	630 3Hook 634c 47867



Part No: **60038**

Diameter: 67mm

Beam Type: MEDIUM

Finish: PLAIN

Optic Type: SILICONE

CREE LED

(Cont.)

LED Efficiency FWHM Cd/lm B+W Part

XLAMP CXB 1507	87.0	28	2.7	630 3Hook 641a 47460
XLAMP CXB 1520	86.5	29	2.7	630 3Hook 641a 47460
XLAMP CXB 1816	72.5	34	1.8	630 3Hook 637a 47472
XLAMP CXB 1820	87.0	34	2.1	630 3Hook 637a 47472
XLAMP CXB 1830	86.5	36	1.8	630 3Hook 637b 47871
XLAMP CXB 2530	85.0	39	1.4	630 3Hook 639a 47585
XLAMP CXB 2540	85	40	1.3	630 3Hook 639a 47585

LUXEON
BY PHILIPS LUMILEDS

CX PLUS (Gen2) L04	80.0	33	2.0	630 3Hook 637a 47472
CX PLUS (Gen2) L08	79.0	36	1.7	630 3Hook 637a 47472
CX PLUS (Gen2) M03	84.5	28	2.6	630 3Hook 641a 47460
CX PLUS (Gen2) S01	84.0	20	3.9	630 3Hook 634c 47867
1202	86.5	29	2.7	630 3Hook 638b 47877
1202 HD	86.5	23	3.5	630 3Hook 652a 47456
1202s	85.0	23	3.4	630 3Hook 652a 47456
1203	86.5	28	2.7	630 3Hook 638b 47877
1205 HD	85.5	33	2.1	630 3Hook 638b 47877
1208 E15	85.5	37	1.7	630 3Hook 632a 47580
1208 F15	85.0	37	1.7	630 3Hook 632a 47580
1211 E19	84.5	41	1.2	630 3Hook 631b 47583



Part No: **60038**

Diameter: 67mm

Beam Type: MEDIUM

Finish: PLAIN

Optic Type: SILICONE

LUXEON
BY PHILIPS LUMILEDS

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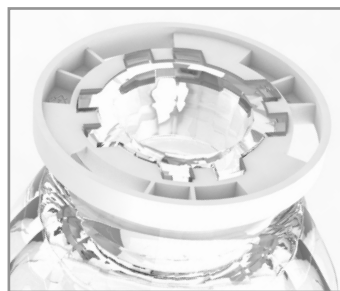
LED	Efficiency	FWHM	Cd/lm	B+W Part
1211 F19	84.5	41	1.2	630 3Hook 631b 47583
1216 E23	80.5	45	0.9	630 3Hook 631b 47583
1216 F23	82.0	45	0.9	630 3Hook 631b 47583
1812	81.5	44	1.0	630 3Hook 631b 47583
1204	84.0	28	2.5	630 3Hook 632a 47580
COB 1204 HD	87.0	29	2.6	630 3Hook 638b 47877
S04H9 HD	86.0	29	2.6	630 3Hook 634b 47863

LUMINUS
LEADER IN BIG CHIP LEDS

COB CXM 6	86.0	23	3.5	630 3Hook 634a 47441
COB CXM 9	85.5	31	2.4	630 3Hook 634a 47441
COB CXM 11	86.5	34	2.0	630 3Hook 633a 47562
COB CXM 14	85.5	37	1.6	630 3Hook 633a 47562

NICHIA

NFCWJ 108B	83.5	36	1.7	630 3Hook 663a 47947
NFCWL 036B	85.5	26	2.8	630 3Hook 638a 47466
NFCWL 060B	85.0	32	2.1	630 3Hook 638a 47466
NFDWJ 130B	83.5	36	1.7	630 3Hook 663a 47947
NJCWJ S024Z	84.5	23	3.3	630 3Hook 652a 47456
NVCWL 024Z	85.0	31	2.2	630 3Hook 638a 47466



Part No: **60038**

Diameter: 67mm

Beam Type: MEDIUM

Finish: PLAIN

Optic Type: SILICONE

NICHIA
(Cont.)

	LED	Efficiency	FWHM	Cd/lm	B+W Part
NTCWS 024B		84.5	22	3.4	630 3Hook 652a 47456
NVEWJ 048Z		83.5	36	1.7	630 3Hook 663a 47947
NVEWL 016Z		85.0	27	2.7	630 3Hook 638a 47466
NVNWS 007Z		85.0	20	3.8	630 3Hook 652a 47456

SAMSUNG

C Series LC010C	87.0	22	3.7	630 3Hook 634a 47441
C Series LC020C	87.5	29	2.7	630 3Hook 633c 47564
C Series LC030C	87.5	33	2.1	630 3Hook 633c 47564
C Series LC040C	87.0	33	2.1	630 3Hook 633c 47564
D Series LC040D	84.0	40	1.2	630 3Hook 631b 47583
D Series LC060D	83.5	41	1.1	630 3Hook 631b 47583
D Series LC080D	83.5	41	1.2	630 3Hook 631b 47583
D Series LC006D	86.5	28	2.8	630 3Hook 634a 47441
D Series LC009D	86.0	28	2.8	630 3Hook 634a 47441
D Series LC013D	86.0	28	2.8	630 3Hook 634a 47441



SAWS 0661A	87.5	21	4.0	630 3Hook 634b 47863
SAWS1063A	87.0	29	2.6	630 3Hook 634b 47863
SAWS1564A	85.5	38	1.6	630 3Hook 633c 47564
SAWS1566A	85.5	38	1.6	630 3Hook 633c 47564



Part No: **60038**

Diameter: 67mm

Beam Type: MEDIUM

Finish: PLAIN

Optic Type: SILICONE



LED	Efficiency	FWHM	Cd/lm	B+W Part
SAWS226AA	82.5	44	1.0	630 3Hook 631a 47582

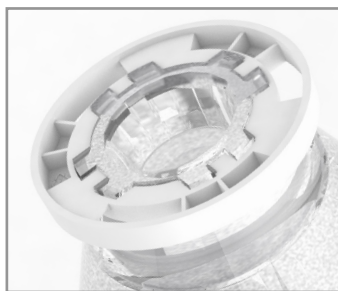


COB SLE Gen7 LES9	84.5	28	2.6	630 3Hook 634a 47441
COB SLE Gen7 LES13	85.0	35	1.8	630 3Hook 633c 47564
COB SLE Gen7 LES15	84.5	37	1.7	630 3Hook 633c 47564



COB VCA1210-830	83.0	38	1.4	630 3Hook 631b 47583
COB VCA1212-830	82.5	41	1.1	630 3Hook 631b 47583
COB VCA123-830	83.5	28	2.6	630 3Hook 634b 47863
COB VCA125-830	84.5	36	1.7	630 3Hook 633c 47564





Part No: **60039**

Diameter: 67mm

Beam Type: WIDE

Finish: FROSTED

Optic Type: SILICONE

bridgelux

LED	Efficiency	FWHM	Cd/lm	B+W Part
V10B	82.5	36	1.9	630 3Hook 634b 47863
V13B	81.0	40	1.4	630 3Hook 633c 47564
V18B	90.0	50	1.1	630 3Hook 639b 47882
V22C	81.0	47	0.9	630 3Hook 631b 47583
V4 HD	87.5	34	2.3	630 3Hook 660a 47957
V6 HD	87.5	35	2.2	630 3Hook 634c 47867
V8E	86.5	35	2.2	630 3Hook 660a 47957
V9 HD	87.5	36	2.0	630 3Hook 633d 47565

CITIZEN
Micro HumanTech

CITILED COB CLU02J	84.5	37	1.8	630 3Hook 634a 47441
CITILED COB CLU03J	83.5	41	1.3	630 3Hook 633a 47562
CITILED COB CLU04J	79.0	49	0.8	630 3Hook 631a 47582
CITILED COB CLU702	86.0	35	2.1	630 3Hook 634a 47441
CITILED COB CLU712	86.5	36	1.9	630 3Hook 633c 47564
CITILED COB CLU7B2	83.0	32	2.3	630 3Hook 634a 47441
CITILED VIVID CLU028	85.0	37	1.8	630 3Hook 634a 47441
CITILED VIVID CLU038	85.0	40	1.4	630 3Hook 633a 47562
CITILED VIVID CLU048	80	48	0.9	630 3Hook 631a 47582
CITILED VIVID CLU701	86.5	35	2.1	630 3Hook 634a 47441



Part No: **60039**

Diameter: 67mm

Beam Type: WIDE

Finish: FROSTED

Optic Type: SILICONE

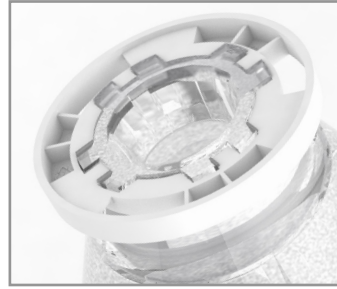
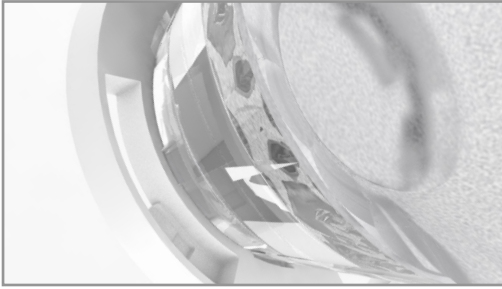
CITIZEN
Micro HumanTech

(Cont.)

LED	Efficiency	FWHM	Cd/lm	B+W Part
CITILED VIVID CLU711	86.0	36	1.9	630 3Hook 633a 47563
CITILED VIVID CLU721	85.5	38	1.7	630 3Hook 633c 47564
CITILED VIVID CLU731	84.0	40	1.5	630 3Hook 631b 47583

CREE LED

XLAMP CMA 1303	88.0	34	81.9	630 3Hook 634c 47867
XLAMP CMA 1306	86.5	35	2.2	630 3Hook 634c 47867
XLAMP CMA 1516	86.5	36	1.9	630 3Hook 641a 47460
XLAMP CMA 1840	85.0	41	1.5	630 3Hook 637a 47472
XLAMP CMA 2550	82.5	45	1.1	630 3Hook 639a 47585
XLAMP CMT 1412	85.0	37	1.8	630 3Hook 634a 47441
XLAMP CMT 1420	86.0	37	1.9	630 3Hook 634a 47441
XLAMP CMT 1922	84.5	41	1.5	630 3Hook 633c 47564
XLAMP CMT1930	84.5	41	1.4	630 3Hook 633c 47564
XLAMP CMT 1945	84.0	41	1.4	630 3Hook 633c 47564
XLAMP CMT 2850	81.0	49	0.9	630 3Hook 631b 47583
XLAMP CMT 2870	81.0	49	0.9	630 3Hook 631b 47583
XLAMP CMT 2890	81.0	49	0.9	630 3Hook 631b 47583
XLAMP CXB 1304	87.5	35	2.2	630 3Hook 634c 47867



Part No: **60039**

Diameter: 67mm

Beam Type: WIDE

Finish: FROSTED

Optic Type: SILICONE

CREE LED

(Cont.)

LED	Efficiency	FWHM	Cd/lm	B+W Part
XLAMP CXB 1310	87.5	35	2.2	630 3Hook 634c 47867
XLAMP CXB 1507	87.5	36	1.9	630 3Hook 641a 47460
XLAMP CXB 1520	86.0	37	1.9	630 3Hook 641a 47460
XLAMP CXB 1816	72.5	38	1.5	630 3Hook 637a 47472
XLAMP CXB 1820	86.5	39	1.7	630 3Hook 637a 47472
XLAMP CXB 1830	85.5	40	1.5	630 3Hook 637b 47871
XLAMP CXB 2530	83.5	45	1.2	630 3Hook 639a 47585
XLAMP CXB 2540	83.5	45	1.1	630 3Hook 639a 47585

LUXEON
BY PHILIPS LUMILEDS

CX PLUS (Gen2) L04	80.5	39	1.6	630 3Hook 637a 47472
CX PLUS (Gen2) L08	79.0	41	1.4	630 3Hook 637a 47472
CX PLUS (Gen2) M03	82.0	35	1.8	630 3Hook 641a 47460
CX PLUS (Gen2) S01	86.0	35	2.1	630 3Hook 634c 47867
1202	86.0	37	1.9	630 3Hook 638b 47877
1202 HD	86.5	35	2.1	630 3Hook 652a 47456
1202s	85.0	35	2.0	630 3Hook 652a 47456
1203	86.5	37	1.9	630 3Hook 638b 47877
1205 HD	86.0	38	1.7	630 3Hook 638b 47877



Part No: **60039**

Diameter: 67mm

Beam Type: WIDE

Finish: PLAIN

Optic Type: SILICONE

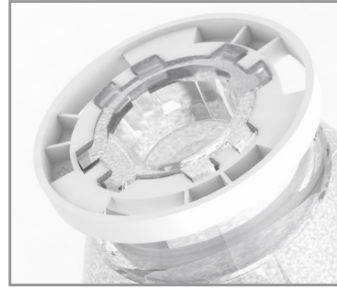
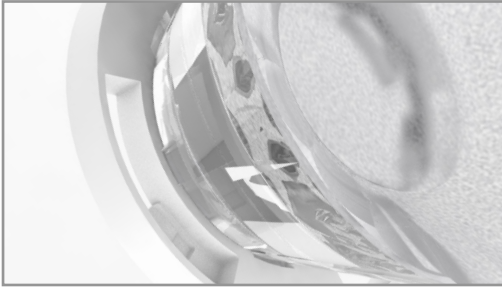
LUXEON
BY PHILIPS LUMILEDS
(Cont.)

LED Efficiency FWHM Cd/lm B+W Part

1208 E15	84.5	41	1.4	630 3Hook 632a 47580
1208 F15	84.0	41	1.4	630 3Hook 632a 47580
1211 E19	83.0	46	1.1	630 3Hook 631b 47583
1211 F19	83.0	46	1.1	630 3Hook 631b 47583
1216 E23	78.5	51	0.8	630 3Hook 631b 47583
1216 F23	79.5	51	0.8	630 3Hook 631b 47583
1812	79.5	50	0.8	630 3Hook 631b 47583
COB 1204	83.5	39	1.6	630 3Hook 632a 47580
COB 1204 HD	86.5	37	1.9	630 3Hook 638b 47877
COB S04H9	85.5	37	1.8	630 3Hook 634b 47863

LUMINUS
LEADER IN BIG CHIP LEDS

COB CDM 14	81.0	40	1.4	630 3Hook 632b 47858
COB CXM 11	85.5	39	1.6	630 3Hook 633a 47562
COB CXM 14	84.0	41	1.4	630 3Hook 633a 47562
COB CXM 3	87.5	33	2.3	630 3Hook 634a 47441
COB CXM 6	86.0	35	2.0	630 3Hook 634a 47441
COB CXM 9	85.0	38	1.8	630 3Hook 634a 47441



Part No: **60039**

Diameter: 67mm

Beam Type: WIDE

Finish: FROSTED

Optic Type: SILICONE

NICHIA

	LED	Efficiency	FWHM	Cd/lm	B+W Part
NFCWJ 108B		84.0	40	1.4	630 3Hook 663a 47947
NFCWL 036B		86.5	36	1.9	630 3Hook 638a 47466
NFCWL 060B		86.0	38	1.7	630 3Hook 638a 47466
NFDWJ 130B		84.0	41	1.4	630 3Hook 663a 47947
NJCWJ S024Z		86.0	36	2.0	630 3Hook 652a 47456
NTCWS 024B		86.0	35	2.1	630 3Hook 652a 47456
NVCWL 024Z		86.0	38	1.7	630 3Hook 638a 47466
NVEWJ 048Z		83.5	41	1.4	630 3Hook 663a 47947
NVEWL 016Z		86.5	36	1.9	630 3Hook 638a 47466
NVNWS 007Z		86.5	35	2.1	630 3Hook 652a 47456

SAMSUNG

C Series LC010C	87.0	35	2.1	630 3Hook 634a 47441
C Series LC020C	87.0	37	1.9	630 3Hook 633c 47564
C Series LC030C	86.5	38	1.7	630 3Hook 633c 47564
C Series LC040C	86.5	38	1.7	630 3Hook 633c 47564
D Series LC040D	82.0	45	1.0	630 3Hook 631b 47583
D Series LC006D	86.0	36	1.9	630 3Hook 634a 47441



Part No: **60039**

Diameter: 67mm

Beam Type: WIDE

Finish: FROSTED

Optic Type: SILICONE

SAMSUNG

(Cont.)

	LED	Efficiency	FWHM	Cd/lm	B+W Part
D Series LC060D		81.0	47	1.0	630 3Hook 631b 47583
D Series LC009D		85.5	36	1.9	630 3Hook 634a 47441
D Series LC013D		85.5	37	1.9	630 3Hook 634a 47441
D Series LC080D		81.5	46	1.0	630 3Hook 631b 47583



SAWS0661A		87.5	34	2.2	630 3Hook 634b 47863
SAWS1063A		86.5	37	1.9	630 3Hook 634b 47863
SAWS1564A		84.5	41	1.4	630 3Hook 633c 47564
SAWS1566A		82.0	41	1.4	630 3Hook 633c 47564
SAWS226AA		78.0	50	0.8	630 3Hook 631a 47582



COB SLE Gen7 LES9		86.0	37	1.9	630 3Hook 634a 47441
COB SLE Gen7 LES13		85.5	40	1.5	630 3Hook 633c 47564
COB SLE Gen7 LES15		85.0	41	1.4	630 3Hook 633c 47564



COB VCA102-830		86.5	35	2.1	630 3Hook 634b 47863
COB VCA1210-830		83.0	43	1.2	630 3Hook 631b 47583
COB VCA1212-830		81.5	47	1	630 3Hook 631b 47583
COB VCA123-830		84.5	37	1.8	630 3Hook 634b 47863
COB VCA125-830		85.0	40	1.5	630 3Hook 633c 47564

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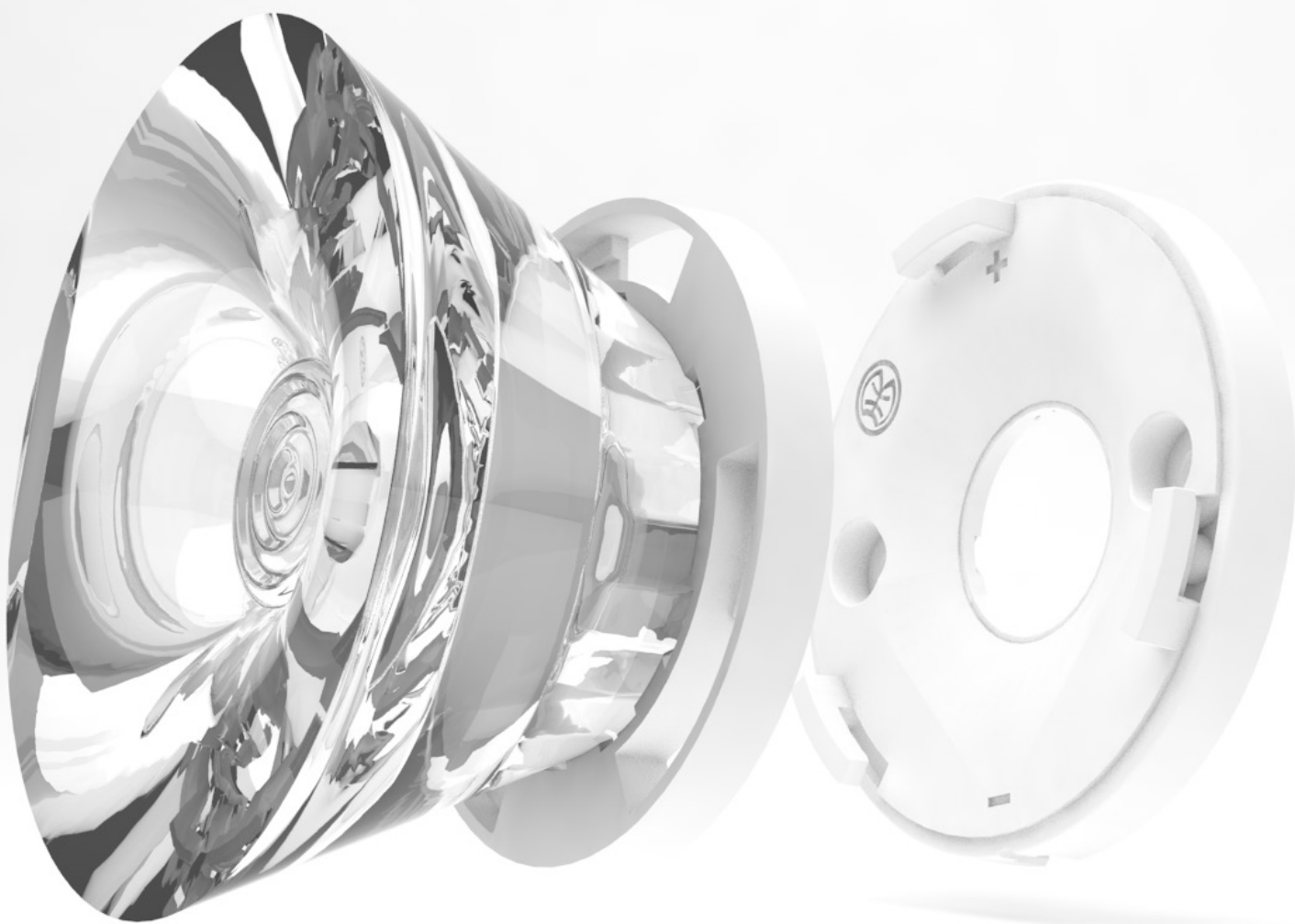
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SILICONE S1



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