

Strip Light RGBW Product

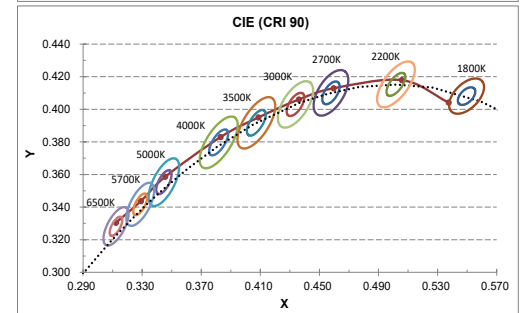
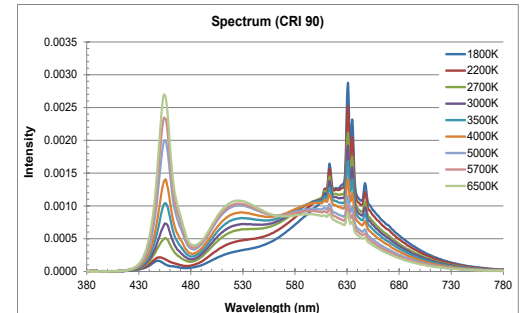
Bridgelux Differentiation

- 20+ years of driving LED industry transformation
- Vertical integration across chip, phosphor and package
- Broad product portfolio including CSPs, SMDs, COBs and modules
- Human centric and dynamic lighting technology leader



Features and Benefits

- Packaged Bridgelux 3838 RGBW 4-in-1 package (3.8x4.0x0.8mm)
- Up to CRI 97; 1900lm/m (580lm/ft); 134 or greater LPW
- 10mm (3/8") Width and every 100mm (4") Cut
- Phosphor converted narrow band Red and Green, or Green chip option
- Highest RGB performance in the industry
- White tunable or selectable along BBC from 1800K to 6500K
- Compatible with Bridgelux 4 channel Driver
- Customized solution are available per customer request
- Decorative, Residential, Commercial, Architectural lighting applicaitons



@ 1m (3.28ft) length, CRI 95 Strip Light RGBW Color Tunable Along BBC — Constant Flux @CCT from 1800K to 6500K

CRI	CCT	Total If (mA)	Nominal Drive Current (mA)				Typical Forward Volatge (V)				Typ. Flux (lm)	Power (W)	Efficacy (lm/W)
			White	Red	Green	Blue	White	Red	Green	Blue			
95	1800K	350	157	191	3	0	25	25	20	0	735	8.7	84
	2200K		158	165	26	2	25	25	21	19	850	8.5	100
	2700K		175	123	42	10	25	24	22	21	959	8.4	114
	3000K		175	108	52	15	25	23	22	21	984	8.3	119
	3500K		171	91	64	25	25	23	22	21	1045	8.3	126
	4000K		158	82	77	33	25	23	23	21	1061	8.2	129
	5000K		130	75	96	49	24	23	23	22	1059	8.1	131
	5700K		121	71	102	56	24	22	23	22	1062	8.1	131
	6500K		114	61	108	67	24	22	23	22	1055	8.1	131
95	1800K	650	291	354	5	0	27	28	21	0	1297	18.1	72
	2200K		293	306	48	3	27	27	22	20	1469	17.5	84
	2700K		325	229	77	18	28	26	23	21	1641	17.1	96
	3000K		325	200	96	29	28	25	23	21	1711	16.9	101
	3500K		318	168	118	46	28	25	24	22	1777	16.7	106
	4000K		293	152	144	62	27	24	24	22	1824	16.5	111
	5000K		242	140	178	90	26	24	25	23	1810	16.2	112
	5700K		225	132	189	105	26	24	25	23	1816	16.1	113
	6500K		213	114	200	124	26	23	25	24	1823	16.1	113

All measurements are at $T_{sp}=25^{\circ}C$. Additional electrical configurations and product options are available, please consult your Bridgelux sales representative.

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Strip Light RGBW Product

@ 1m (3.28ft) length, CRI 90 Strip Light RGBW Color Tunable Along BBC — Constant Flux @CCT from 1800K to 6500K

CRI	CCT	Total If (mA)	Nominal Drive Current (mA)				Typical Forward Voltage (V)				Typ. Flux (lm)	Power (W)	Efficacy (lm/W)
			White	Red	Green	Blue	White	Red	Green	Blue			
90	1800K	350	157	191	3	0	25	25	20	0	735	8.7	84
	2200K		186	145	19	1	25	24	21	14	875	8.6	102
	2700K		200	107	37	6	26	23	22	20	983	8.5	115
	3000K		200	87	47	16	26	23	22	21	1023	8.5	121
	3500K		207	65	56	22	25	22	22	21	1060	8.4	126
	4000K		201	49	68	32	25	22	23	22	1092	8.4	130
	5000K		180	35	86	48	25	22	23	22	1102	8.3	133
	5700K		158	35	96	61	25	21	23	22	1106	8.2	134
	6500K		158	22	101	69	24	21	23	23	1098	8.2	133
90	1800K	500	224	273	4	0	26	27	21	0	1044	13.1	79
	2200K		265	207	27	2	27	25	21	22	1245	13.0	96
	2700K		286	154	53	8	27	24	22	21	1367	12.8	107
	3000K		286	124	67	23	27	24	22	21	1426	12.7	112
	3500K		295	93	80	32	27	23	23	21	1484	12.7	117
	4000K		288	70	97	45	27	22	23	22	1535	12.6	122
	5000K		258	50	123	69	27	22	24	22	1562	12.4	126
	5700K		226	50	137	87	26	21	24	23	1567	12.3	127
	6500K		226	32	144	98	26	21	24	23	1555	12.3	126
90	1800K	650	291	354	5	0	27	28	21	0	1297	18.1	72
	2200K		345	269	34	2	28	27	22	20	1490	17.7	84
	2700K		371	200	69	10	28	25	22	21	1650	17.4	95
	3000K		371	161	87	30	28	25	23	21	1723	17.2	100
	3500K		384	121	104	42	28	24	23	22	1802	17.1	105
	4000K		374	91	127	59	28	23	24	22	1864	17.0	110
	5000K		335	65	160	90	27	23	25	23	1902	16.7	114
	5700K		293	65	179	113	27	22	25	23	1905	16.5	115
	6500K		293	41	188	128	27	22	25	24	1897	16.5	115

@ 1m (3.28ft) length, Strip Light RGB Performance

Color	CCT	CRI	Drive Current (mA)	Voltage (V)	Typical Flux (lm)	Power (W)	Efficacy (lm/W)	Dominant Wavelength (nm)
Red	/	/	150	22.7	145	3.4	43	618.5
Green	/	/	150	22.7	735	3.4	216	535.1
Blue	/	/	150	22.7	85	3.4	25	458.8
White	2500K	70	150	22.8	559	3.4	163	583.7

All measurements are at $T_{sp} = 25^{\circ}\text{C}$. Additional electrical configurations and product options are available, please consult your Bridgelux sales representative.