

RGBW Product

Bridgelux Differentiation

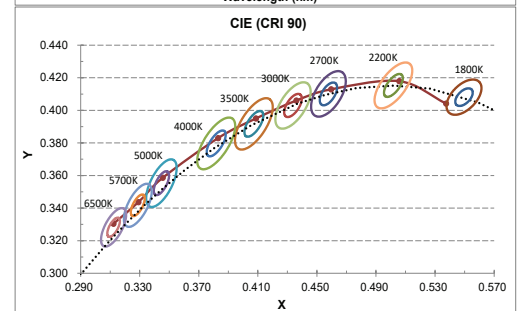
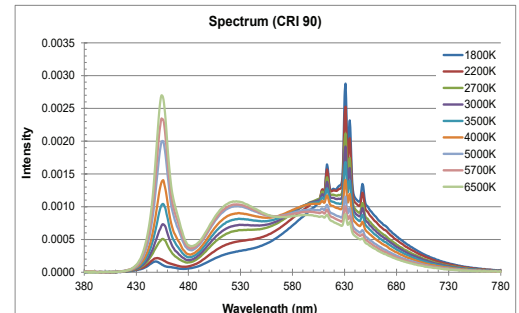
- 15+ years of driving LED industry transformation
- Vertically integrated global supply chain
- Broad product portfolio including CSPs, SMDs, COBs and modules
- Human centric and dynamic lighting technology leader

Features and Benefits

- 3838 RGBW 4 in one package (3.8mmx4.0mmx0.8mm)
- Phosphor converted narrow band Red and Green
- Highest RGB performance in the industry
- White Tunable or selectable along BBC from 1800K to 6500K
- One replace 5 packages (RGB+WC) with compatible efficacy and lumens to 1W white LED

Applications

- Decorative, Entertainment/stage, Architectural, Pool/fountain lighting
- Spotlight, Downlight, Linear, Area, Floor/wall
- Hospitality, Smart Home



Color	CCT	CRI	Drive Current (mA)	Voltage (V)	Power (W)	Typical Flux (lm)	Dominant Wavelength (nm)
Red	/	/	120	3.0	0.36	14.3	618
Green	/	/	120	3.0	0.36	77.0	535.2
Blue	/	/	120	3.0	0.36	8.1	457.5
White	2500K	70	120	3.0	0.36	58.0	/

RGBW 3838 Color Tunable Along BBC — Constant Flux @CCT from 1800K to 6500K

CRI	CCT	Drive Current (mA)				CIE-X	CIE-Y	CRI	R9	Flux (lm)	Power (W)	Efficacy (lm/W)
		White	Red	Green	Blue							
90	1800K	67.1	80.1	2.8	0.0	0.5375	0.4041	92	53	47	0.43	110
	2200K	77.8	63.0	8.5	0.7	0.5058	0.4179	94	55	54	0.43	127
	2700K	83.5	46.2	16.1	4.2	0.4597	0.4129	94	59	61	0.43	143
	3000K	83.5	39.5	20.3	6.8	0.4361	0.4060	95	61	63	0.43	149
	3500K	83.5	31.0	25.2	10.3	0.4087	0.3950	94	60	66	0.42	155
	4000K	83.5	22.3	29.9	14.4	0.3831	0.3830	92	53	68	0.42	161
	5000K	75.0	16.1	37.2	21.7	0.3456	0.3586	92	53	69	0.42	165
	5700K	72.5	12.2	39.3	26.0	0.3292	0.3436	92	54	69	0.42	164
6500K	67.1	9.6	42.9	30.5	0.3122	0.3304	91	53	69	0.42	165	
95	1800K	58.1	88.0	3.9	0.0	0.5424	0.4008	93	63	45	0.43	104
	2200K	69.9	68.8	10.5	0.8	0.5042	0.4174	96	68	53	0.43	124
	2700K	79.5	49.1	17.0	4.3	0.4586	0.4127	96	65	60	0.43	141
	3000K	78.9	43.1	21.1	6.8	0.4356	0.4054	96	69	62	0.42	147
	3500K	78.9	34.8	25.9	10.3	0.4084	0.3943	95	68	65	0.42	153
	4000K	74.4	29.9	31.4	14.3	0.3819	0.3810	96	72	66	0.42	157
	5000K	64.3	25.4	38.9	21.4	0.3443	0.3560	96	79	66	0.42	158
	5700K	60.9	22.6	41.2	25.4	0.3284	0.3423	96	83	66	0.42	159
6500K	55.8	20.6	44.3	29.3	0.3123	0.3296	95	84	66	0.42	158	

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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