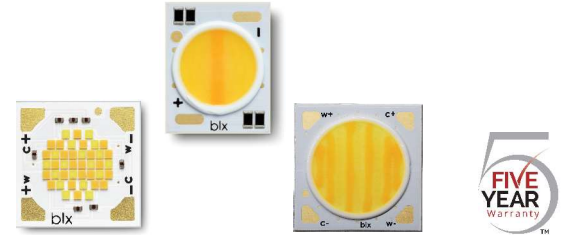


Vesta® Series Arrays

Bridgelux Differentiation

- 15+ years of driving LED industry transformation
- Vertically integrated global supply chain
- It's in our DNA to solve customers' problems
- Fully customizable platforms, including LED layouts, and color points

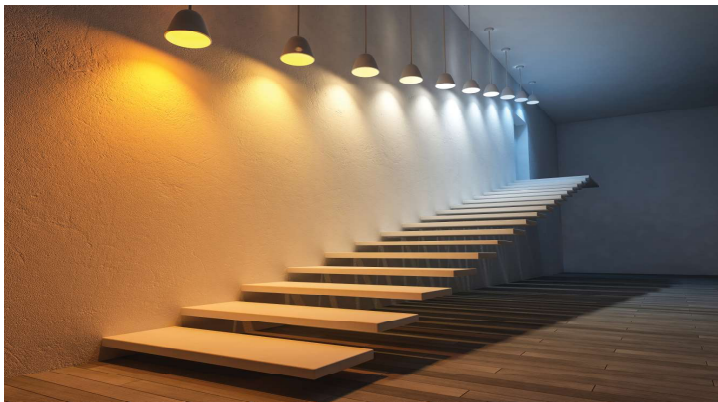


Features

- Comprehensive line of Dim-To-Warm and Tunable White arrays
- Phosphor dispensed and CSP arrays for premium applications
- Proprietary packaging technology to enhance near field color uniformity
- Thrive tunable spectrum to closely match natural light

Benefits

- Superior color dimming transition and color mixing
- Compact system design
- Phosphor dispensed products suitable precision optics down to 15 degrees
- Full consistent spectrum with fewer spectral spikes



Applications

- Retail
- Hospitality
- Architectural & Museums
- Residential
- Healthcare
- Education
- Entertainment
- Food



Product	LES Dimensions	Tunable/Dimming CCT Range	CRI	SDCM	Flux ¹ (lm)	Current (mA)	Voltage ¹ (V)	Efficacy ¹ (lm/W)	Technology
Dim-To-Warm Array	6 mm (6W)	1800K - 2700/3000K ¹	90, 95	3	640	350	17.0	108	Dispensed Phosphor
	9 mm (6 W)				685	350	17.0	115	
	9 mm (12 W)				1360	350	33.8	115	
	13 mm (21W)				2315	600	33.5	115	
	15 mm (33 W)				3725	950	34.1	115	
Tunable White Array	9 mm (12 W)	2700K - 5000K ²	90	3	1385	700	18.0	106	CSP
	13 mm (25 W)				2750	700	36.0	106	
Tunable White Array	6 mm (6 W)	2700K - 5000/6500K ²	90	3	600	150	36.0	111	Dispensed Phosphor
	9 mm (9 W)				1800 - 3000/4000K ²	90, Thrive	3	1177	
	13 mm (18 W)	2700K - 5000/6500K ²	2312	500	36.0			128	
	15 mm (21 W)	2700K - 5000/6500K ²	90	3	2954	650	35.5	128	
	18 mm (25 W)				4028	900	35.5	128	
	22 mm (44 W)				6106	900	53.0	128	
29 mm (54 W)	7043				1050	53.0	128		

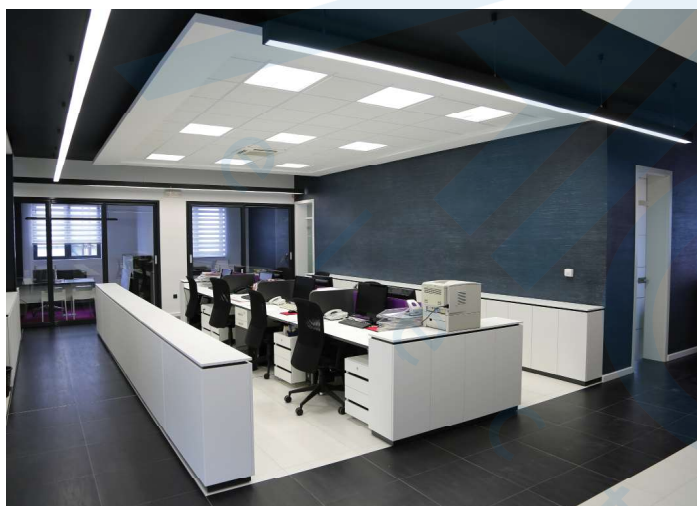
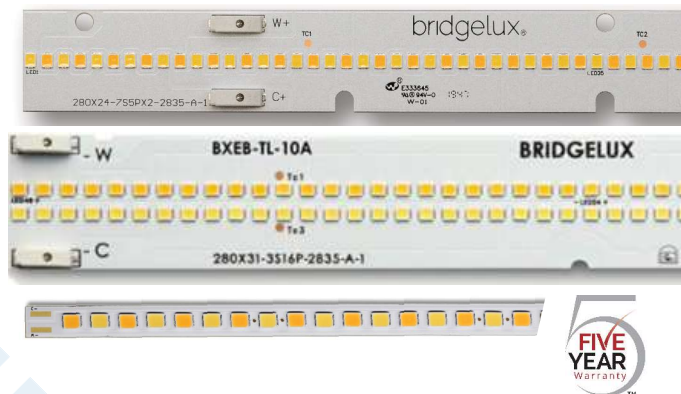
Notes:

1. All measurements are at T_c = 25°C, 90 CRI, and the highest rated CCT
2. All measurements are at T_c = 85°C, 90 CRI, and the highest rated CCT

Vesta® Series Linear Modules

Bridgelux Differentiation

- It's in our DNA to solve customers' problems
- 15+ years of driving LED industry transformation
- Vertically integrated global supply chain
- Fully customizable platforms, including board shapes, LED layouts, and color points



Features & Benefits

- Linear SMD based tunable white modules ideal for selectable CCT or human centric lighting applications
- New single SMD row modules in 280mm, 560mm, and 1120mm with multiple CCT ranges and CRIs
- New Thrive white point options, engineered to match the spectra of natural light
- New high efficiency options achieve 200 lm/W at 80 CRI
- Drop in replacement for 2x2 panel lights and 2x4 troffers
- All modules have Zhaga compatible form factors with poke-in connectors (except Edge)
- All modules capable of 2x current overdrive
- Plug & Play with Vesta Flex TW drivers & control modules

Product Configuration	Dimensions	CCT Tuning Range	CRI	Flux* (lm)	Current (mA)	Voltage* (V)	Efficacy* (lm/W)	SDCM
Edge (1 SMD Row)	570mm x 6mm	2700K-5000K	90	2730	600	34.6	132	3
Linear (1 SMD Row)	280mm x 24mm	1800K-3000K 1800K-4000K 2700K-5000K 2700K-6500K	80, 90, Thrive	1320	375	19.9	177	3
	560mm x 24mm			2640				
	1120mm x 24mm			5280	750	39.8		
Linear (2 SMD Rows)	280mm x 31mm	2700K-5000K 2700K-6500K	80, 90, Thrive	1850	500	19.3	192	3
	560mm x 31mm			3700				
	1120mm x 31mm			7400	1000	38.6		

* All data is at 5000K, 80 CRI, and T_c=25°C