



Bridgelux Inc.
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Livermore, CA 94551

Date: December 21, 2016

TO: Bridgelux Customers and Authorized Distributors

**RE: Customer Change Notice:
Bridgelux Vf Bin Markings**

Ref: CCN-12212016-Vf Bin Markings Change

This is a Customer Change Notice (CCN) for the Gen. 7 V Series, Vero Series and Vero SE Series Bridgelux LED Array products.

Effective February 2, 2017, Bridgelux will implement new backside laser markings for V Series, Vero Series and Vero SE Series LED Array products. The new laser markings on the back side of the substrate will now include a voltage bin code (circled in the below image on the left). These V_f markings are an industry first, and are being included to enable greater luminaire design flexibility. The new laser markings will have the following nomenclature:

30	G	400	B	72	2F
CCT	CRI	Flux indicator	Array Configuration	CCT Bin Code	V_f Bin Code

New backside laser markings for Gen. 7 V Series, Vero Series and Vero SE Series Bridgelux LED Array products:



Current backside laser markings for Gen. 7 V Series, Vero Series and Vero SE Series Bridgelux LED Array products:





V_f Bin Code Definition:

V _f (V)	V _f Bin Code
≥ 10	1A
≥ 10.5	1B
≥ 11	1C
≥ 11.5	1D
≥ 12	1E
≥ 12.5	1F
≥ 13	1G
≥ 13.5	1H
≥ 14	1J
≥ 14.5	1K
≥ 15	1L
≥ 15.5	1M
≥ 16	1N
≥ 16.5	1P
≥ 17	1Q
≥ 17.5	1R
≥ 18	1S
≥ 18.5	1T
≥ 19	1U
≥ 19.5	1V
≥ 20	2A
≥ 20.5	2B
≥ 21	2C
≥ 21.5	2D
≥ 22	2E
≥ 22.5	2F
≥ 23	2G
≥ 23.5	2H
≥ 24	2J
≥ 24.5	2K
≥ 25	2L
≥ 25.5	2M
≥ 26	2N
≥ 26.5	2P
≥ 27	2Q

V _f (V)	V _f Bin Code
≥ 27.5	2R
≥ 28	2S
≥ 28.5	2T
≥ 29	2U
≥ 29.5	2V
≥ 30	3A
≥ 30.5	3B
≥ 31	3C
≥ 31.5	3D
≥ 32	3E
≥ 32.5	3F
≥ 33	3G
≥ 33.5	3H
≥ 34	3J
≥ 34.5	3K
≥ 35	3L
≥ 35.5	3M
≥ 36	3N
≥ 36.5	3P
≥ 37	3Q
≥ 37.5	3R
≥ 38	3S
≥ 38.5	3T
≥ 39	3U
≥ 39.5	3V
≥ 40	4A
≥ 40.5	4B
≥ 41	4C
≥ 41.5	4D
≥ 42	4E
≥ 42.5	4F
≥ 43	4G
≥ 43.5	4H
≥ 44	4J
≥ 44.5	4K

V _f (V)	V _f Bin Code
≥ 45	4L
≥ 45.5	4M
≥ 46	4N
≥ 46.5	4P
≥ 47	4Q
≥ 47.5	4R
≥ 48	4S
≥ 48.5	4T
≥ 49	4U
≥ 49.5	4V
≥ 50	5A
≥ 50.5	5B
≥ 51	5C
≥ 51.5	5D
≥ 52	5E
≥ 52.5	5F
≥ 53	5G
≥ 53.5	5H
≥ 54	5J
≥ 54.5	5K
≥ 55	5L
≥ 55.5	5M
≥ 56	5N
≥ 56.5	5P
≥ 57	5Q
≥ 57.5	5R
≥ 58	5S
≥ 58.5	5T
≥ 59	5U
≥ 59.5	5V
≥ 60	6A
≥ 60.5	6B
≥ 61	6C
≥ 61.5	6D
≥ 62	6E

V _f (V)	V _f Bin Code
≥ 62.5	6F
≥ 63	6G
≥ 63.5	6H
≥ 64	6J
≥ 64.5	6K
≥ 65	6L
≥ 65.5	6M
≥ 66	6N
≥ 66.5	6P
≥ 67	6Q
≥ 67.5	6R
≥ 68	6S
≥ 68.5	6T
≥ 69	6U
≥ 69.5	6V
≥ 70	7A
≥ 70.5	7B
≥ 71	7C
≥ 71.5	7D
≥ 72	7E
≥ 72.5	7F
≥ 73	7G
≥ 73.5	7H
≥ 74	7J
≥ 74.5	7K
≥ 75	7L
≥ 75.5	7M
≥ 76	7N
≥ 76.5	7P
≥ 77	7Q
≥ 77.5	7R
≥ 78	7S
≥ 78.5	7T
≥ 79	7U
≥ 79.5	7V

The addition of the V_f bin backside laser marking will allow customers to easily bin products using the V_f binning code table.

The introduction of the new V_f bin backside laser markings has no impact to the form, fit, function or operating performance of the LED Arrays. Additional guidelines and V_f binning details will be provided in Bridgelux Applications Notes that will be published on the Bridgelux website at the time of implementation.

During the phase-in of the new backside laser markings on the V Series, Vero Series and Vero SE Series Bridgelux LED Array products, customers and resellers may receive a combination of the previous backside markings and then new backside laser markings which include the V_f bin code until all pre-packaged V Series, Vero Series and Vero SE Series Bridgelux LED Array inventory is exhausted.

If you have any questions regarding the new V_f bin backside laser markings for Gen. 7 V Series, Vero Series and Vero SE Series products, please contact your Bridgelux Sales Representative.

Regards,

Product Management

Bridgelux - USA

Product	Part Number
Vero 10B	BXRC-27E1000-B-72
Vero 10B	BXRC-27E1000-B-73
Vero 10C	BXRC-27E1000-C-72
Vero 10C	BXRC-27E1000-C-73
Vero 10D	BXRC-27E1000-D-72
Vero 10D	BXRC-27E1000-D-73
Vero 10B	BXRC-27G1000-B-72
Vero 10B	BXRC-27G1000-B-73
Vero 10C	BXRC-27G1000-C-72
Vero 10C	BXRC-27G1000-C-73
Vero 10D	BXRC-27G1000-D-72
Vero 10D	BXRC-27G1000-D-73
Vero 10B	BXRC-27H1000-B-72
Vero 10B	BXRC-27H1000-B-73
Vero 10C	BXRC-27H1000-C-72
Vero 10C	BXRC-27H1000-C-73
Vero 10D	BXRC-27H1000-D-72
Vero 10D	BXRC-27H1000-D-73
Vero 10B	BXRC-30A1001-B-73
Vero 10C	BXRC-30A1001-C-73
Vero 10D	BXRC-30A1001-D-73
Vero 10B	BXRC-30E1000-B-72
Vero 10B	BXRC-30E1000-B-73
Vero 10C	BXRC-30E1000-C-72
Vero 10C	BXRC-30E1000-C-73
Vero 10D	BXRC-30E1000-D-72
Vero 10D	BXRC-30E1000-D-73
Vero 10B	BXRC-30G1000-B-72
Vero 10B	BXRC-30G1000-B-73
Vero 10C	BXRC-30G1000-C-72
Vero 10C	BXRC-30G1000-C-73
Vero 10D	BXRC-30G1000-D-72
Vero 10D	BXRC-30G1000-D-73
Vero 10B	BXRC-30H1000-B-72
Vero 10B	BXRC-30H1000-B-73
Vero 10C	BXRC-30H1000-C-72
Vero 10C	BXRC-30H1000-C-73
Vero 10D	BXRC-30H1000-D-72
Vero 10D	BXRC-30H1000-D-73
Vero 10B	BXRC-35A1001-B-73
Vero 10C	BXRC-35A1001-C-73
Vero 10D	BXRC-35A1001-D-73
Vero 10B	BXRC-35E1000-B-72

Vero 10B	BXRC-35E1000-B-73
Vero 10C	BXRC-35E1000-C-72
Vero 10C	BXRC-35E1000-C-73
Vero 10D	BXRC-35E1000-D-72
Vero 10D	BXRC-35E1000-D-73
Vero 10B	BXRC-35G1000-B-72
Vero 10B	BXRC-35G1000-B-73
Vero 10C	BXRC-35G1000-C-72
Vero 10C	BXRC-35G1000-C-73
Vero 10D	BXRC-35G1000-D-72
Vero 10D	BXRC-35G1000-D-73
Vero 10B	BXRC-40A1001-B-73
Vero 10C	BXRC-40A1001-C-73
Vero 10D	BXRC-40A1001-D-73
Vero 10B	BXRC-40E1000-B-72
Vero 10B	BXRC-40E1000-B-73
Vero 10C	BXRC-40E1000-C-72
Vero 10C	BXRC-40E1000-C-73
Vero 10D	BXRC-40E1000-D-72
Vero 10D	BXRC-40E1000-D-73
Vero 10B	BXRC-40G1000-B-72
Vero 10B	BXRC-40G1000-B-73
Vero 10C	BXRC-40G1000-C-72
Vero 10C	BXRC-40G1000-C-73
Vero 10D	BXRC-40G1000-D-72
Vero 10D	BXRC-40G1000-D-73
Vero 10B	BXRC-50C1001-B-74
Vero 10C	BXRC-50C1001-C-74
Vero 10D	BXRC-50C1001-D-74
Vero 10B	BXRC-50E1001-B-74
Vero 10C	BXRC-50E1001-C-74
Vero 10D	BXRC-50E1001-D-74
Vero 10B	BXRC-50G1001-B-74
Vero 10C	BXRC-50G1001-C-74
Vero 10D	BXRC-50G1001-D-74
Vero 10B	BXRC-57C1001-B-74
Vero 10C	BXRC-57C1001-C-74
Vero 10D	BXRC-57C1001-D-74
Vero 10B	BXRC-57E1001-B-74
Vero 10C	BXRC-57E1001-C-74
Vero 10D	BXRC-57E1001-D-74
Vero 10B	BXRC-65C1001-B-74
Vero 10C	BXRC-65C1001-C-74
Vero 10D	BXRC-65C1001-D-74

Vero 10B	BXRC-65E1001-B-74
Vero 10C	BXRC-65E1001-C-74
Vero 10D	BXRC-65E1001-D-74
Vero 13B	BXRC-27E2000-B-72
Vero 13B	BXRC-27E2000-B-73
Vero 13C	BXRC-27E2000-C-72
Vero 13C	BXRC-27E2000-C-73
Vero 13D	BXRC-27E2000-D-72
Vero 13D	BXRC-27E2000-D-73
Vero 13B	BXRC-27G2000-B-72
Vero 13B	BXRC-27G2000-B-73
Vero 13C	BXRC-27G2000-C-72
Vero 13C	BXRC-27G2000-C-73
Vero 13D	BXRC-27G2000-D-72
Vero 13D	BXRC-27G2000-D-73
Vero 13B	BXRC-27H2000-B-72
Vero 13B	BXRC-27H2000-B-73
Vero 13C	BXRC-27H2000-C-72
Vero 13C	BXRC-27H2000-C-73
Vero 13D	BXRC-27H2000-D-72
Vero 13D	BXRC-27H2000-D-73
Vero 13B	BXRC-30A2001-B-73
Vero 13C	BXRC-30A2001-C-73
Vero 13D	BXRC-30A2001-D-73
Vero 13B	BXRC-30E2000-B-72
Vero 13B	BXRC-30E2000-B-73
Vero 13C	BXRC-30E2000-C-72
Vero 13C	BXRC-30E2000-C-73
Vero 13D	BXRC-30E2000-D-72
Vero 13D	BXRC-30E2000-D-73
Vero 13B	BXRC-30G2000-B-72
Vero 13B	BXRC-30G2000-B-73
Vero 13C	BXRC-30G2000-C-72
Vero 13C	BXRC-30G2000-C-73
Vero 13D	BXRC-30G2000-D-72
Vero 13D	BXRC-30G2000-D-73
Vero 13B	BXRC-30H2000-B-72
Vero 13B	BXRC-30H2000-B-73
Vero 13C	BXRC-30H2000-C-72
Vero 13C	BXRC-30H2000-C-73
Vero 13D	BXRC-30H2000-D-72
Vero 13D	BXRC-30H2000-D-73
Vero 13B	BXRC-35A2001-B-73
Vero 13C	BXRC-35A2001-C-73

Vero 13D	BXRC-35A2001-D-73
Vero 13B	BXRC-35E2000-B-72
Vero 13B	BXRC-35E2000-B-73
Vero 13C	BXRC-35E2000-C-72
Vero 13C	BXRC-35E2000-C-73
Vero 13D	BXRC-35E2000-D-72
Vero 13D	BXRC-35E2000-D-73
Vero 13B	BXRC-35G2000-B-72
Vero 13B	BXRC-35G2000-B-73
Vero 13C	BXRC-35G2000-C-72
Vero 13C	BXRC-35G2000-C-73
Vero 13D	BXRC-35G2000-D-72
Vero 13D	BXRC-35G2000-D-73
Vero 13B	BXRC-40A2001-B-73
Vero 13C	BXRC-40A2001-C-73
Vero 13D	BXRC-40A2001-D-73
Vero 13B	BXRC-40E2000-B-72
Vero 13B	BXRC-40E2000-B-73
Vero 13C	BXRC-40E2000-C-72
Vero 13C	BXRC-40E2000-C-73
Vero 13D	BXRC-40E2000-D-72
Vero 13D	BXRC-40E2000-D-73
Vero 13B	BXRC-40G2000-B-72
Vero 13B	BXRC-40G2000-B-73
Vero 13C	BXRC-40G2000-C-72
Vero 13C	BXRC-40G2000-C-73
Vero 13D	BXRC-40G2000-D-72
Vero 13D	BXRC-40G2000-D-73
Vero 13B	BXRC-50C2001-B-74
Vero 13C	BXRC-50C2001-C-74
Vero 13D	BXRC-50C2001-D-74
Vero 13B	BXRC-50E2001-B-74
Vero 13C	BXRC-50E2001-C-74
Vero 13D	BXRC-50E2001-D-74
Vero 13B	BXRC-50G2001-B-74
Vero 13C	BXRC-50G2001-C-74
Vero 13D	BXRC-50G2001-D-74
Vero 13B	BXRC-57C2001-B-74
Vero 13C	BXRC-57C2001-C-74
Vero 13D	BXRC-57C2001-D-74
Vero 13B	BXRC-57E2001-B-74
Vero 13C	BXRC-57E2001-C-74
Vero 13D	BXRC-57E2001-D-74
Vero 13B	BXRC-65C2001-B-74

Vero 13C	BXRC-65C2001-C-74
Vero 13D	BXRC-65C2001-D-74
Vero 13B	BXRC-65E2001-B-74
Vero 13C	BXRC-65E2001-C-74
Vero 13D	BXRC-65E2001-D-74
Vero 18B	BXRC-17E4000-B-74
Vero 18C	BXRC-17E4000-C-74
Vero 18D	BXRC-17E4000-D-74
Vero 18B	BXRC-25E4000-B-74
Vero 18C	BXRC-25E4000-C-74
Vero 18D	BXRC-25E4000-D-74
Vero 18B	BXRC-27E4000-B-72
Vero 18B	BXRC-27E4000-B-73
Vero 18C	BXRC-27E4000-C-72
Vero 18C	BXRC-27E4000-C-73
Vero 18D	BXRC-27E4000-D-72
Vero 18D	BXRC-27E4000-D-73
Vero 18B	BXRC-27G4000-B-72
Vero 18B	BXRC-27G4000-B-73
Vero 18C	BXRC-27G4000-C-72
Vero 18C	BXRC-27G4000-C-73
Vero 18D	BXRC-27G4000-D-72
Vero 18D	BXRC-27G4000-D-73
Vero 18B	BXRC-27H4000-B-72
Vero 18B	BXRC-27H4000-B-73
Vero 18C	BXRC-27H4000-C-72
Vero 18C	BXRC-27H4000-C-73
Vero 18D	BXRC-27H4000-D-72
Vero 18D	BXRC-27H4000-D-73
Vero 18B	BXRC-30A4001-B-73
Vero 18C	BXRC-30A4001-C-73
Vero 18D	BXRC-30A4001-D-73
Vero 18B	BXRC-30E4000-B-72
Vero 18B	BXRC-30E4000-B-73
Vero 18C	BXRC-30E4000-C-72
Vero 18C	BXRC-30E4000-C-73
Vero 18D	BXRC-30E4000-D-72
Vero 18D	BXRC-30E4000-D-73
Vero 18B	BXRC-30G4000-B-72
Vero 18B	BXRC-30G4000-B-73
Vero 18C	BXRC-30G4000-C-72
Vero 18C	BXRC-30G4000-C-73
Vero 18D	BXRC-30G4000-D-72
Vero 18D	BXRC-30G4000-D-73

Vero 18B	BXRC-30H4000-B-72
Vero 18B	BXRC-30H4000-B-73
Vero 18C	BXRC-30H4000-C-72
Vero 18C	BXRC-30H4000-C-73
Vero 18D	BXRC-30H4000-D-72
Vero 18D	BXRC-30H4000-D-73
Vero 18B	BXRC-35A4001-B-73
Vero 18C	BXRC-35A4001-C-73
Vero 18D	BXRC-35A4001-D-73
Vero 18B	BXRC-35E4000-B-72
Vero 18B	BXRC-35E4000-B-73
Vero 18C	BXRC-35E4000-C-72
Vero 18C	BXRC-35E4000-C-73
Vero 18D	BXRC-35E4000-D-72
Vero 18D	BXRC-35E4000-D-73
Vero 18B	BXRC-35G4000-B-72
Vero 18B	BXRC-35G4000-B-73
Vero 18C	BXRC-35G4000-C-72
Vero 18C	BXRC-35G4000-C-73
Vero 18D	BXRC-35G4000-D-72
Vero 18D	BXRC-35G4000-D-73
Vero 18B	BXRC-40A4001-B-73
Vero 18C	BXRC-40A4001-C-73
Vero 18D	BXRC-40A4001-D-73
Vero 18B	BXRC-40E4000-B-72
Vero 18B	BXRC-40E4000-B-73
Vero 18C	BXRC-40E4000-C-72
Vero 18C	BXRC-40E4000-C-73
Vero 18D	BXRC-40E4000-D-72
Vero 18D	BXRC-40E4000-D-73
Vero 18B	BXRC-40G4000-B-72
Vero 18B	BXRC-40G4000-B-73
Vero 18C	BXRC-40G4000-C-72
Vero 18C	BXRC-40G4000-C-73
Vero 18D	BXRC-40G4000-D-72
Vero 18D	BXRC-40G4000-D-73
Vero 18B	BXRC-50C4001-B-74
Vero 18C	BXRC-50C4001-C-74
Vero 18D	BXRC-50C4001-D-74
Vero 18B	BXRC-50E4001-B-74
Vero 18C	BXRC-50E4001-C-74
Vero 18D	BXRC-50E4001-D-74
Vero 18B	BXRC-50G4001-B-74
Vero 18C	BXRC-50G4001-C-74

Vero 18D	BXRC-50G4001-D-74
Vero 18B	BXRC-56G4001-B-74
Vero 18C	BXRC-56G4001-C-74
Vero 18D	BXRC-56G4001-D-74
Vero 18B	BXRC-57C4001-B-74
Vero 18C	BXRC-57C4001-C-74
Vero 18D	BXRC-57C4001-D-74
Vero 18B	BXRC-57E4001-B-74
Vero 18C	BXRC-57E4001-C-74
Vero 18D	BXRC-57E4001-D-74
Vero 18B	BXRC-65C4001-B-74
Vero 18C	BXRC-65C4001-C-74
Vero 18D	BXRC-65C4001-D-74
Vero 18B	BXRC-65E4001-B-74
Vero 18C	BXRC-65E4001-C-74
Vero 18D	BXRC-65E4001-D-74
Vero 29B	BXRC-17E10K0-B-74
Vero 29C	BXRC-17E10K0-C-74
Vero 29D	BXRC-17E10K0-D-74
Vero 29B	BXRC-25E10K0-B-74
Vero 29C	BXRC-25E10K0-C-74
Vero 29D	BXRC-25E10K0-D-74
Vero 29B	BXRC-27E10K0-B-72
Vero 29B	BXRC-27E10K0-B-73
Vero 29C	BXRC-27E10K0-C-72
Vero 29C	BXRC-27E10K0-C-73
Vero 29D	BXRC-27E10K0-D-72
Vero 29D	BXRC-27E10K0-D-73
Vero 29B	BXRC-27G10K0-B-72
Vero 29B	BXRC-27G10K0-B-73
Vero 29C	BXRC-27G10K0-C-72
Vero 29C	BXRC-27G10K0-C-73
Vero 29D	BXRC-27G10K0-D-72
Vero 29D	BXRC-27G10K0-D-73
Vero 29B	BXRC-30A10K1-B-73
Vero 29C	BXRC-30A10K1-C-73
Vero 29D	BXRC-30A10K1-D-73
Vero 29B	BXRC-30E10K0-B-72
Vero 29B	BXRC-30E10K0-B-73
Vero 29C	BXRC-30E10K0-C-72
Vero 29C	BXRC-30E10K0-C-73
Vero 29D	BXRC-30E10K0-D-72
Vero 29D	BXRC-30E10K0-D-73
Vero 29B	BXRC-30G10K0-B-72

Vero 29B	BXRC-30G10K0-B-73
Vero 29C	BXRC-30G10K0-C-72
Vero 29C	BXRC-30G10K0-C-73
Vero 29D	BXRC-30G10K0-D-72
Vero 29D	BXRC-30G10K0-D-73
Vero 29B	BXRC-35A10K1-B-73
Vero 29C	BXRC-35A10K1-C-73
Vero 29D	BXRC-35A10K1-D-73
Vero 29B	BXRC-35E10K0-B-72
Vero 29B	BXRC-35E10K0-B-73
Vero 29C	BXRC-35E10K0-C-72
Vero 29C	BXRC-35E10K0-C-73
Vero 29D	BXRC-35E10K0-D-72
Vero 29D	BXRC-35E10K0-D-73
Vero 29B	BXRC-35G10K0-B-72
Vero 29B	BXRC-35G10K0-B-73
Vero 29C	BXRC-35G10K0-C-72
Vero 29C	BXRC-35G10K0-C-73
Vero 29D	BXRC-35G10K0-D-72
Vero 29D	BXRC-35G10K0-D-73
Vero 29B	BXRC-40A10K1-B-73
Vero 29C	BXRC-40A10K1-C-73
Vero 29D	BXRC-40A10K1-D-73
Vero 29B	BXRC-40E10K0-B-72
Vero 29B	BXRC-40E10K0-B-73
Vero 29C	BXRC-40E10K0-C-72
Vero 29C	BXRC-40E10K0-C-73
Vero 29D	BXRC-40E10K0-D-72
Vero 29D	BXRC-40E10K0-D-73
Vero 29B	BXRC-40G10K0-B-72
Vero 29B	BXRC-40G10K0-B-73
Vero 29C	BXRC-40G10K0-C-72
Vero 29C	BXRC-40G10K0-C-73
Vero 29D	BXRC-40G10K0-D-72
Vero 29D	BXRC-40G10K0-D-73
Vero 29B	BXRC-50C10K1-B-74
Vero 29C	BXRC-50C10K1-C-74
Vero 29D	BXRC-50C10K1-D-74
Vero 29B	BXRC-50E10K1-B-74
Vero 29C	BXRC-50E10K1-C-74
Vero 29D	BXRC-50E10K1-D-74
Vero 29B	BXRC-50G10K1-B-74
Vero 29C	BXRC-50G10K1-C-74
Vero 29D	BXRC-50G10K1-D-74

Vero 29B	BXRC-56G10K1-B-74
Vero 29C	BXRC-56G10K1-C-74
Vero 29D	BXRC-56G10K1-D-74
Vero 29B	BXRC-57C10K1-B-74
Vero 29C	BXRC-57C10K1-C-74
Vero 29D	BXRC-57C10K1-D-74
Vero 29B	BXRC-57E10K1-B-74
Vero 29C	BXRC-57E10K1-C-74
Vero 29D	BXRC-57E10K1-D-74
Vero 29B	BXRC-65C10K1-B-74
Vero 29C	BXRC-65C10K1-C-74
Vero 29D	BXRC-65C10K1-D-74
Vero 29B	BXRC-65E10K1-B-74
Vero 29C	BXRC-65E10K1-C-74
Vero 29D	BXRC-65E10K1-D-74