ENEC LICENCE

Licence No. ENEC-01559-M1
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Licence Holder	Bridgelux Inc 101 PORTOLA AVE LIVERMORE, CA 94551-7665 USA
Production site	KAISTAR LIGHTING (XIAMEN) CO LTD NO. 101 XIANG XING ROAD XIANG AN BRANCH, TORCH HI-TECH INDUSTRIAL DEVELOPMENT ZONE XIAMEN, 361101 China
Certification Mark	See Annex 1
Certified Product	Built-in LED Module
Model	BXRC-ABCDEFG-H-IJ, BXRE-ABCDEFG-H-IJ See Page 2
Trademark	bridgelux
Rated Voltage / Frequency	Imax: 3420 mA
Rated Current / Power	See Rated Voltage / Frequency
Insulation Class	--
Degree of protection (IP)	--
Tested acc. to	EN 62031:2008/A1:2013, EN 62031:2008/A2:2015, EN 62031:2008
Test Report No.	4787572819-1 issued on 2017-03-23
Additional	Tc 105°C

Certification Manager
Jan-Erik Storgaard

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

Certification Body

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Model Details:
Rating for Vero Series:

LED COB Model Nomenclature p/n	Series	Max numbers of diodes	Max Current (mA)	Max operating voltage VDC	Max Power (W)	Max CCT (K)
Generation 6						
BXRC-ABCDEFG-H-IJ	Vero 29	156	3150	50	120	6500
BXRC-ABCDEFG-H-IJ	Vero 18	60	2100	50	65	6500
BXRC-ABCDEFG-H-IJ	Vero 13	33	1050	50	36	6500
BXRC-ABCDEFG-H-IJ	Vero 10	18	700	50	20	6500
Generation 7						
BXRC-ABCDEFG-H-IJ	Vero 29/ Vero 29 SE	456	3420	80	237	6500
BXRC-ABCDEFG-H-IJ	Vero 18/ Vero 18 SE	156	2340	60	81	6500
BXRC-ABCDEFG-H-IJ	Vero 13/ Vero 13 SE	84	1050	60	36	6500
BXRC-ABCDEFG-H-IJ	Vero 10/ Vero 10 SE	48	700	60	20	6500

Product Key explanation:

BXRC: designated product family
AB : designates the nominal ANSI color temperature (not exceeding 6500K)
C: designates minimum CRI
DEFG: designates model type where the first three suffixes are as follows and G can be any alphanumeric character:
10KG – Vero 29 Series
400G – Vero 18 Series
200G – Vero 13 Series
100G – Vero 10 Series
H: designates array configuration (specify the Current and Typical Voltage and Typical Power)
IJ: designates CCT bin options where i = 0 or 2 for Generation 6, and i = 7 for Generation 7
SE: suffix designates 'SE' holder, when used

Generation 7 may only use tails or the Vero SE holder for the full rated current. The connector option (Non-Vero SE) is suitable only for maximum 3150 mA.

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Rating for V Series:

LED COB Model Nomenclature p/n	Series	Max numbers of diodes	Max Current (mA)	Max operating voltage VDC	Max Power (W)	Max CCT (K)
Generation 6						
BXRE-ABCDEFG-H-IJ	V22	96	2100	50	78	6500
BXRE-ABCDEFG-H-IJ	V18	60	2100	50	65	6500
BXRE-ABCDEFG-H-IJ	V15	48	1400	50	56	6500
BXRE-ABCDEFG-H-IJ	V13	33	1050	50	36	6500
BXRE-ABCDEFG-H-IJ	V10	18	700	50	20.6	6500
BXRE-ABCDEFG-H-IJ	V8	12	700	50	13.8	6500
BXRE-ABCDEFG-H-IJ	V8	12	350	50	13.8	6500
BXRE-ABCDEFG-H-IJ	V6	6	700	50	6.9	6500
BXRE-ABCDEFG-H-IJ	V6	6	350	50	6.9	6500
Generation 7						
BXRE-ABCDEFG-H-IJ	V22	288	2340	60	121	6500
BXRE-ABCDEFG-H-IJ	V18	156	2340	60	81	6500
BXRE-ABCDEFG-H-IJ	V15	96	1400	60	51	6500
BXRE-ABCDEFG-H-IJ	V13	84	1260	60	25	6500
BXRE-ABCDEFG-H-IJ	V10	48	720	60	25	6500
BXRE-ABCDEFG-H-IJ	V8	28	700	60	14.3	6500

Product Key explanation:

BXRE: designated product family
AB : designates the nominal ANSI colour temperature (not exceeding 6500K)
C: designates minimum CRI
DEFG: designates model type where the first three suffixes are as follows and G can be any alphanumeric character:
650G – V22 Series
400G – V18 Series
300G – V15 Series
200G – V13 Series
100G – V10 Series
080G – V8 Series
H: designates array configuration (specify the Current and Typical Voltage and Typical Power)
IJ: designates CCT bin options where i is 0,or 2 for Generation 6 and i is 7 for Generation 7

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Additional Information:
Reason for correction:
-removed "not less than 70" under Product Key explanation;
-removed "not less than 70" under Product Key explanation;
-changed "Am2" instead "Am1" in General Product Information

This certificate replaces the certificate no. ENEC-01559 issued on 2016-11-24

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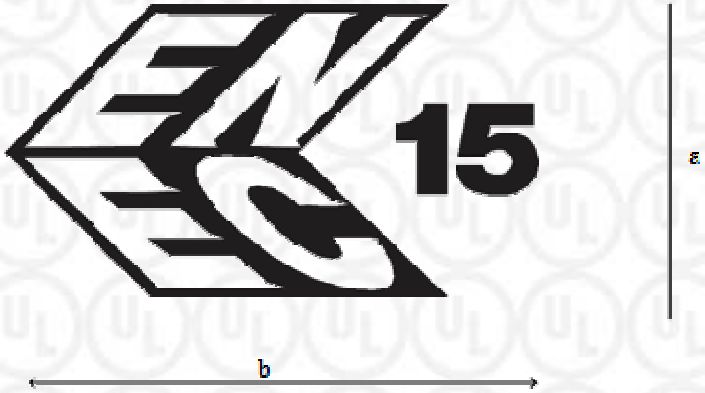
Annex 1 to Licence No.

ENEC-01559-M1

Annex of the form of the Mark



* Identification number of the Certification Body

Size of the mark:

The size of the mark may be reduced on the condition that it remains legible and that the ratio b/a=1,7 is kept

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