ENERGY STAR® LM-80 Cover Sheet

Administrative Information

Tested subcomponent series:	BXKE-*******-*-***, BXKC-*******-*-***, BXKH-*******-*-***, BXRH-*******-*-***
Tested subcomponent model number:	BXKH-30E6500-H-003
Report number:	GO1807170202
Report issue date:	July 24, 2018
Report revision date (if applicable):	N/A
Testing start date:	April 21, 2017
Testing completion date:	May 30, 2018
DUT sampling method:	24 pieces of LED samples are randomly selected from different production dates of this product.

DUT Identification

DUT manufacturer's name:	Bridgelux, Inc.
DUT identification, e.g., model number:	BXKH-30E6500-H-003
Description of DUT, including if the DUT is an LED package or module:	LED Package

DUT Characteristics

Total input power (W):	82.6
Average current density per LED die (mA/mm^2):	644
Average power density per LED die (W/mm^2):	2.306
Nominal CCT:	3000K
Representative CRI (Ra) of the tested sample set: (Indicate whether the reported value is the mean or median value of the sample set, or per unit)	80
Minimum die edge to die edge spacing:	0.27mm

This LM80 report is applicable to the following Bridgelux products:

Bridgelux Part Number	Current (mA)	Vf (V)	Power (W)	LED Quantity	Current per Die (mA)	Power Density (W/mm^2)	Current Density (mA/mm^2)	CCT	Minimum Spacing (mm)
BXKH-30E6500-H-003	1920	43	82.6	96	240	2.306	644	≧2200K	0.27
BXKH-***650*-*-**	1920	36	69.1	96	240	1.931	644	≧2200K	0.27
BXKH-***050*-*-**	240	36	8.6	12	240	1.931	644	≧2200K	0.27
BXKH-***090*-*-**	480	36	17.3	24	240	1.931	644	≧2200K	0.27
BXKH-***180*-*-**	960	36	34.6	48	240	1.931	644	≧2200K	0.27
BXKH-***270*-*-**	1440	36	51.8	72	240	1.931	644	≧2200K	0.30
BXKE-***30H*-*-**	960	36	34.6	48	240	1.931	644	≧2200K	0.43
BXKE-***500*-*-**	1680	36	60.5	84	240	1.931	644	≧2200K	0.70
BXKE-***650*-*-**	1920	36	69.1	96	240	1.931	644	≧2200K	0.84

BXKE-***400*-*-**	1440	36	51.8	72	240	1.931	644	≧2200K	0.54
BXKE-***300*-*-**	960	36	34.6	48	240	1.931	644	≧2200K	0.84
BXKE-***200*-*-**	720	36	25.9	36	240	1.931	644	≧2200K	0.53
BXKE-***150*-*-**	480	36	17.3	24	240	1.931	644	≧2200K	0.47
BXKE-***080*-*-**	240	36	8.6	12	240	1.931	644	≧2200K	0.43
BXKE-***150*-*-**	480	36	17.3	24	240	1.931	644	≧2200K	0.47
BXKE-***080*-*-**	240	36	8.6	12	240	1.931	644	≧2200K	0.43
BXKE-***060*-*-**	182	9	1.6	12	45.5	0.366	122	≧2200K	0.80
BXKE-***1502-*-**	360	54	19.4	36	180	1.448	483	≧2200K	1.03
BXKE-***350*-*-**	450	36	16.2	60	90	0.724	241	≧2200K	0.74
BXKC-***150*-B-1*	200	36	7.2	24	100	0.804	268	≧2200K	0.53
BXKC-***150*-D-1*	400	18	7.2	24	100	0.804	268	≧2200K	0.53
BXKC-***080*-A-1*	100	36	3.6	12	100	0.804	268	≧2200K	0.56
BXKC-***080*-B-1*	200	18	3.6	12	100	0.804	268	≧2200K	0.56
BXKC-***080*-D-1*	400	9	3.6	12	100	0.804	268	≧2200K	0.56
BXKC-***150*-B-2*	200	36	7.2	24	100	0.804	268	≧2200K	0.38
BXKC-***150*-D-2*	400	18	7.2	24	100	0.804	268	≧2200K	0.38
BXKC-***080*-A-2*	100	36	3.6	12	100	0.804	268	≧2200K	0.42
BXKC-***080*-B-2*	200	18	3.6	12	100	0.804	268	≧2200K	0.42
BXKC-***080*-D-2*	400	9	3.6	12	100	0.804	268	≧2200K	0.44
BXRH-***060*-*-**	240	36	8.6	12	240	1.931	644	≧2200K	0.27
BXRH-***100*-*-**	480	36	17.3	24	240	1.931	644	≧2200K	0.27
BXRH-***300*-*-**	960	36	34.6	48	240	1.931	644	≧2200K	0.27
BXRH-***500*-*-**	1440	36	51.8	72	240	1.931	644	≧2200K	0.30

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