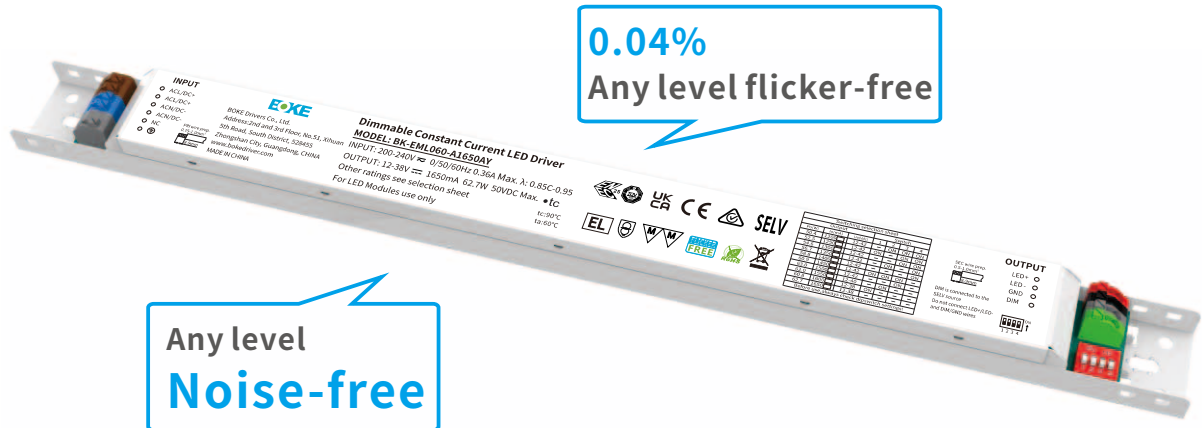


Constant current linear dimmable driver
EML Series suffix Y(3.3V/5V/10V PWM)

First choice for floor light



Features

- Support 3.3V/5V/10V PWM dimming
- Noise-free at any dimming level
- Soft dimming and flicker-free at any brightness
- 10-level current output can be realized by DIP-switch
- Dimming range 1~100%, output current accuracy 3%
- Low power-on surge
- Turn off the light quickly
- Support loop-in and loop-out wiring
- Using HPC patented technology at any dimming level, the brightness of the lights is the same
- Standby power input<0.5W, meets the requirements of ErP certification
- High PF, high efficiency, low THD
- SELV and Class I design, suitable for use inside of the luminaires
- Passed CE, ENEC, UKCA, RCM, EL, CCC and other certifications
- IP20 protection grade, indoor use
- Nominal life-time up to 100,000 h
- 5.5-year guarantee

Interfaces

- PWM(3.3V /5V /10V PWM)

Functions

- Support central emergency application (dimming normal in DC input)
- Support self-contained emergency application
- Protective features
(short-circuit protection, no-load protection)

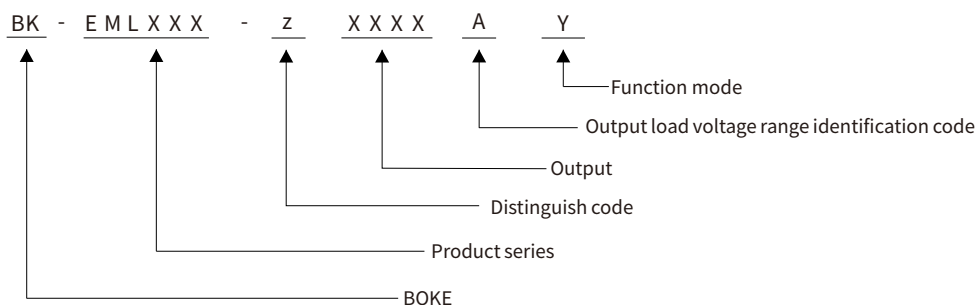
Suitable for lights

- Suitable for linear lights, tri-proof lights, floor lights, bracket lights and other linear or ultra-thin lights etc.

Typical applications

- LED indoor lighting
- LED office lighting
- LED commercial lighting

Model coding rules of EML series



Function list

Model	Suffix	Wired dimming
		3.3V/5V/10V PWM
BK-EML060-A BK-EML080-A BK-EML080-B	Y	√

Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension
BK-EML060-A1650AY	200-240VAC/DC	63W MAX.	12-42VDC	1.2-1.65A	L375*W30*H21mm
BK-EML080-A2000AY	200-240VAC/DC	80W MAX.	12-42VDC	1.55-2.0A	L375*W36*H23mm
BK-EML080-B2000AY	200-240VAC/DC	80W MAX.	12-42VDC	1.55-2.0A	L375*W30*H21mm

Technical data

Product model	BK-EML060-A1650AY
Output parameters	
Regulation method	Constant Current
Rated output current range	1.2-1.65A, see the DIP-switch for details
Rated output voltage range	12-42VDC, see the DIP-switch for details
Rated output power	62.7W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(10 levels)
Output current ripple LF	± 2%
Output current accuracy	± 3%
Linear regulation	± 5%
Load regulation	± 5%
No load output voltage	50VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.04%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.002, SVM = 0.001, (The above parameters are obtained from testing the panel lights), see the parameter below for details
Input parameters	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 180-264VDC
Input voltage shock	<380 V AC
Input current	<0.36A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF:0.98, DF:0.98, see the electrical values below for details
Input THD(typ.)	6.5%, see the electrical values below for details
Efficiency(typ.)	89.5%, see the electrical values below for details
In-rush current(typ.)	15.09A peak, 180us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start), <0.5s(DC start), <0.3s(AC/DC switchover), <0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):70.4W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC(LED, DIM port must be short-circuited), I/P-FG:1750V AC, O/P-FG:500V AC
Mains surge capability	L-N:2KV, L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:A)
Leakage current(typ.)	0.4mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	3.3V/5V/10V PWM
Auxiliary power supply	N/A
Dimming range	1%-100% (The minimum current of each dip gear is 12mA)
Dimming drive mode	AM(amplitude modulation)
Emergency support	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H, MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz, 5G 12min./1cycle, period for 72min. each along X,Y,Z axes
Acoustic Noise	<20dB(20cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Certification	CE, ENEC, UKCA, RCM, CCC, EL
Safety	EN61347-1, EN61347-2-13, EN62384
EMC	EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547
DALI-2	N/A
EL	Compatible IEC 61347-2-13 Annex J, compatible with EN 60598-2-22 and EN 50172
RF	N/A

Remarks

1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.

Technical data

Product model	BK-EML080-A2000AY
Output parameters	
Regulation method	Constant Current
Rated output current range	1.55-2.0A, see the DIP-switch for details
Rated output voltage range	12-42VDC, see the DIP-switch for details
Rated output power	80W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(10 levels)
Output current ripple LF	±2%
Output current accuracy	±3%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	50VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.04%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.013, SVM = 0.001, (The above parameters are obtained from testing the panel lights), see the parameter below for details
Input parameters	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 180-264VDC
Input voltage shock	<380 V AC
Input current	<0.47A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF:0.98, DF:0.98, see the electrical values below for details
Input THD(typ.)	6%, see the electrical values below for details
Efficiency(typ.)	90.5%, see the electrical values below for details
In-rush current(typ.)	13.58A peak, 208us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start), <0.5s(DC start), <0.3s(AC/DC switchover), <0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):89.4W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC(LED, DIM port must be short-circuited), I/P-FG:1750V AC, O/P-FG:500V AC
Mains surge capability	L-N:2KV, L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:A)
Leakage current(typ.)	0.44mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	3.3V/5V/10V PWM
Auxiliary power supply	N/A
Dimming range	1%-100% (The minimum current of each dip gear is 15mA)
Dimming drive mode	AM(amplitude modulation)
Emergency support	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H, MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz, 5G 12min./1cycle, period for 72min. each along X,Y,Z axes
Acoustic Noise	<20dB(20cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Certification	CE, ENEC, UKCA, RCM, CCC, EL
Safety	EN61347-1, EN61347-2-13, EN62384
EMC	EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547
DALI-2	N/A
EL	Compatible IEC 61347-2-13 Annex J, compatible with EN 60598-2-22 and EN 50172
RF	N/A

Remarks

1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.

Technical data

Product model	BK-EML080-B2000AY
Output parameters	
Regulation method	Constant Current
Rated output current range	1.55-2.0A, see the DIP-switch for details
Rated output voltage range	12-42VDC, see the DIP-switch for details
Rated output power	80W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(10 levels)
Output current ripple LF	±2%
Output current accuracy	±3%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	50VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.04%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.013, SVM = 0.001, (The above parameters are obtained from testing the panel lights), see the parameter below for details
Input parameters	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 180-264VDC
Input voltage shock	<380 V AC
Input current	<0.456A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF:0.98 ,DF:0.98, see the electrical values below for details
Input THD(typ.)	6% , see the electrical values below for details
Efficiency(typ.)	90% , see the electrical values below for details
In-rush current(typ.)	14.35A peak ,204us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start), <0.5s(DC start), <0.3s(AC/DC switchover), <0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):89.9W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC(LED,DIM port must be short-circuited),I/P-FG:1750V AC,O/P-FG:500V AC
Mains surge capability	L-N:2KV,L-FG/N-FG:2KV(90°/270° , 5 times each with an interval of 60s)(Performance criterion:A)
Leakage current(typ.)	0.44mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	3.3V/5V/10V PWM
Auxiliary power supply	N/A
Dimming range	1%-100% (The minimum current of each dip gear is 15mA)
Dimming drive mode	AM(amplitude modulation)
Emergency support	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-50°C
Case temperature	Tc=85°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes
Acoustic Noise	<20dB(20cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Certification	CE, ENEC, UKCA, RCM, CCC, EL
Safety	EN61347-1, EN61347-2-13, EN62384
EMC	EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
DALI-2	N/A
EL	Compatible IEC 61347-2- 13 Annex J, compatible with EN 60598-2-22 and EN 50172
RF	N/A

Remarks

1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.

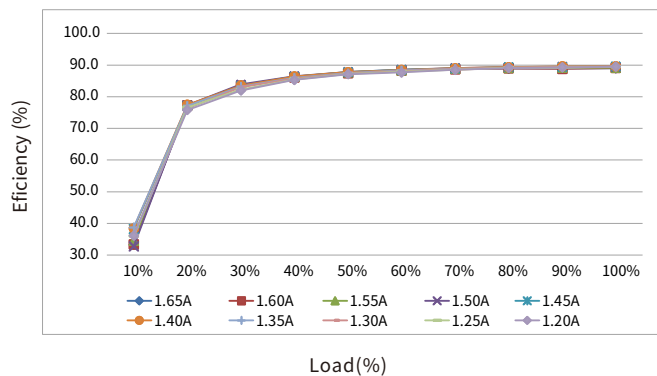
BK-EML060-A

Flicker-free

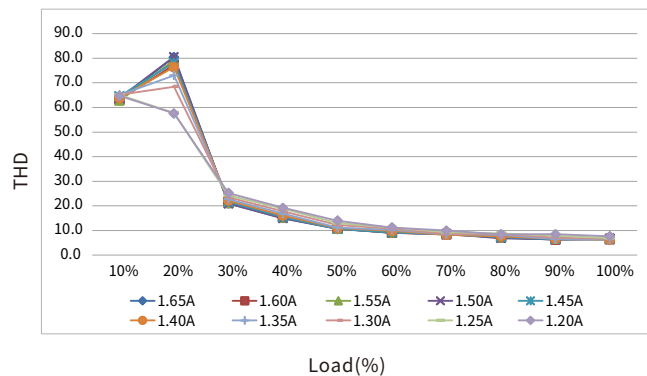
lights	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Flickering percent(IEEE 1789)	0.12%	0.26%	0.28%	0.27%	0.25%	0.23%	0.19%	0.12%	0.06%	0.04%

Electrical values

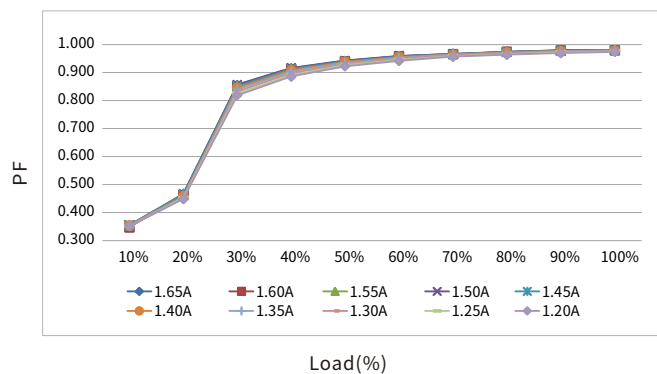
Efficiency vs Load



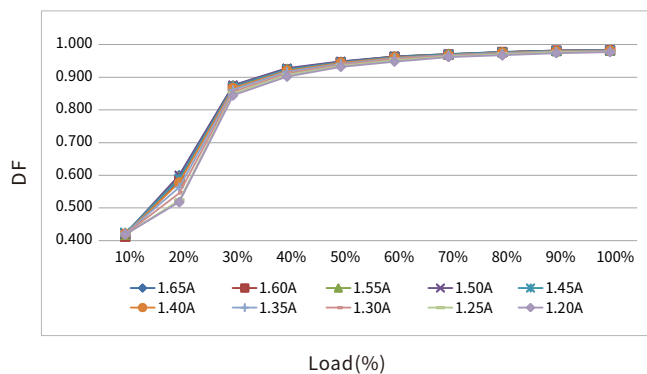
THD vs. Load



Power factor vs. Load

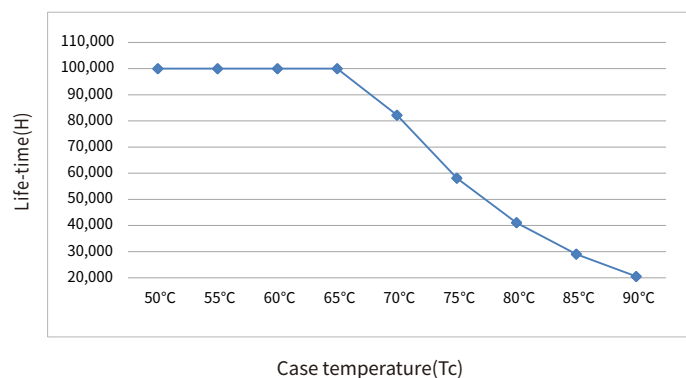


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature



- The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).
- The relation of tc to ta temperature depends also on the luminaire design.

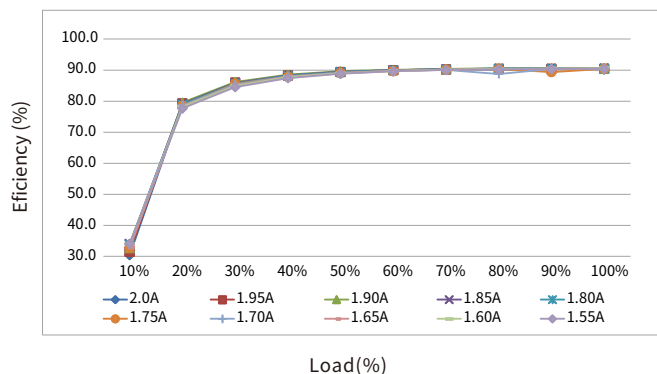
BK-EML080-A

Flicker-free

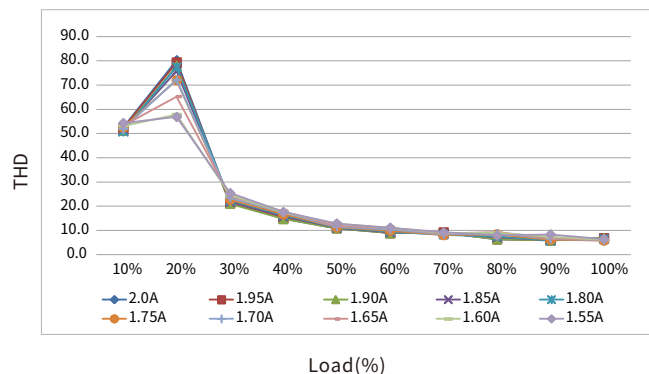
lights	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Flickering percent(IEEE 1789)	0.14%	0.28%	0.30%	0.28%	0.25%	0.22%	0.17%	0.11%	0.06%	0.03%

Electrical values

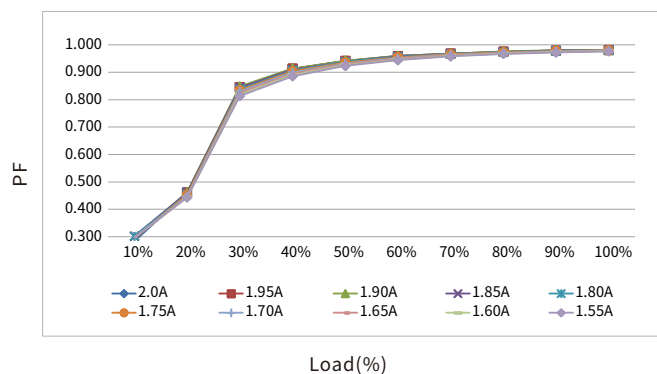
Efficiency vs Load



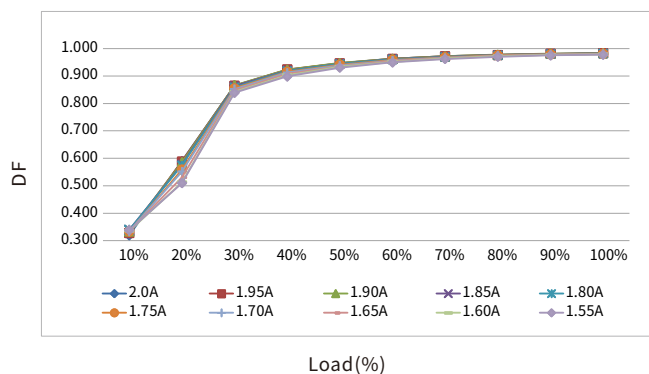
THD vs. Load



Power factor vs. Load

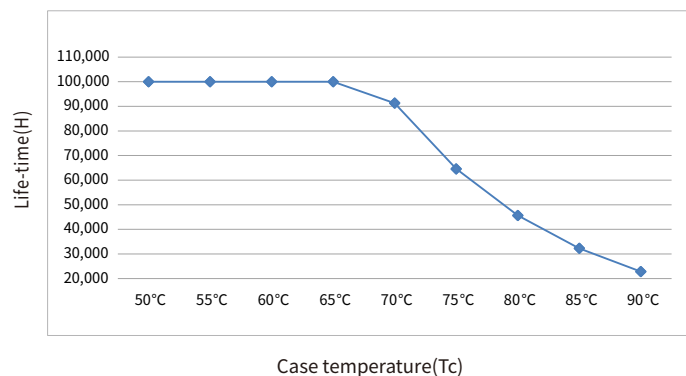


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature



- The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).
- The relation of tc to ta temperature depends also on the luminaire design.

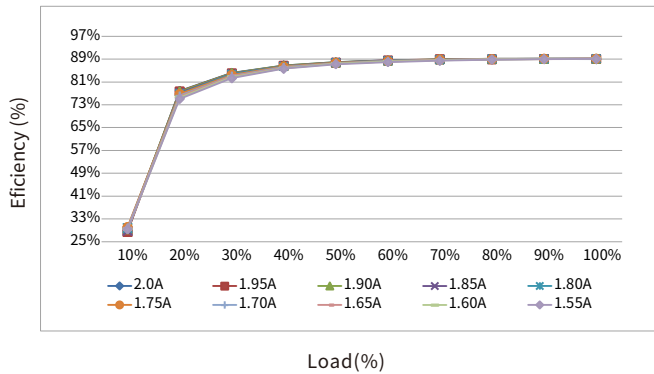
BK-EML080-B

Flicker-free

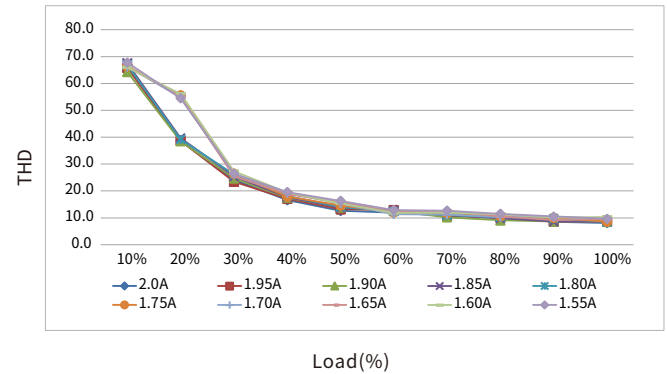
lights	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Flickering percent(IEEE 1789)	0.14%	0.28%	0.30%	0.28%	0.25%	0.22%	0.17%	0.11%	0.06%	0.03%

Electrical values

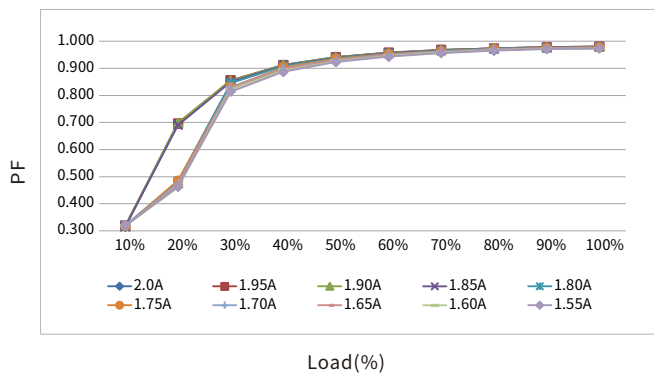
Efficiency vs Load



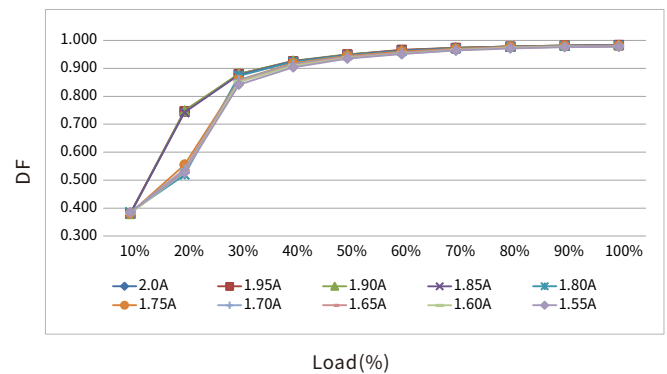
THD vs. Load



Power factor vs. Load

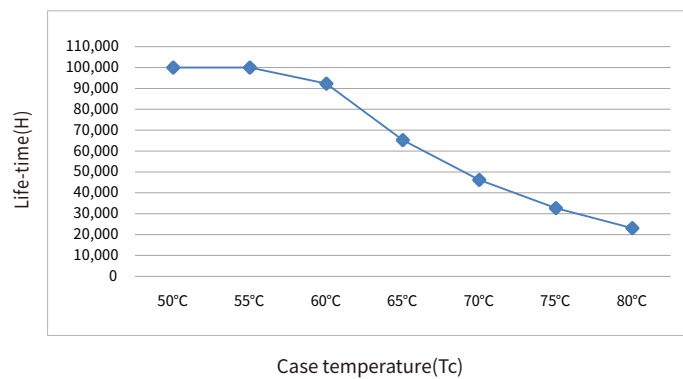


Displacement factor vs. Load



Expected life-time

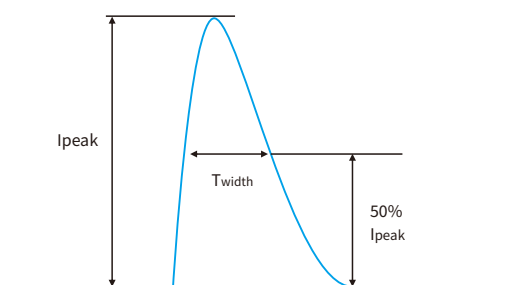
Life-time vs. case temperature



- The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).
- The relation of tc to ta temperature depends also on the luminaire design.

Surge

Model	Ipeak	Twidth	Condition	Relative number of MCB														
				B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
BK-EML060-A	15.09A	180us	AC 230V, Full load, Cold start, $T_a \leq 30^\circ\text{C}$, MCB is not installed side by side	22	29	35	44	55	22	29	35	44	55	22	29	35	44	55
BK-EML080-A	13.58A	208us		17	23	28	35	44	17	23	28	35	44	17	23	28	35	44
BK-EML080-B	14.35A	204us		20	26	32	40	50	20	26	32	40	50	20	26	32	40	50



Remarks

- The number of drives mounted under different MCBs in the table is the maximum value. Please do not exceed this number during installation.
- Calculation uses typical values from ABB series S200 as a reference.
- Different brands and models of miniature circuit breakers, the number of drives mounted will be slightly different.
- If the ambient temperature of the MCB installation exceeds 30°C or multiple MCBs are installed side by side, the number of drives mounted will be reduced and the calculation needs to be recalculated.
- Electrician's usually consider Type B for household lighting and Type C for commercial lighting application.

Functions

Output short-circuit behaviour

- Output short-circuit will not damage the driver.

After removing the short circuit fault, the driver will automatically resume output.

Output no-load operation

- Output no-load will not damage the driver.

Please turn off the driver first if you need to connect the LED load.

Insulation between circuits

Isolation	Input	Output	Case	PWM
Input	-	Double	Basic	Double
Output	Double	-	Basic	-
Case	Basic	Basic	-	Basic

Label

BK-EML060-A1650AY

INPUT

- ACL/DC+
- ACL/DC-
- ACN/DC+
- ACN/DC-
- NC
- ⊕

PRI wire prep. 0.75-1.0mm² 18-20mm

BOKE Drivers Co., Ltd.
Address: 2nd and 3rd Floor, No.51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA
www.bokedriver.com
MADE IN CHINA

Dimmable Constant Current LED Driver
MODEL: BK-EML060-A1650AY
INPUT: 200-240V $\approx$ 0/50/60Hz 0.36A Max. λ : 0.85C-0.95
OUTPUT: 12-38V $\approx$ 1650mA 62.7W 50VDC Max. •tc
Other ratings see selection sheet
For LED Modules use only
tc: 90°C
ta: 60°C

Output	Switch	1	2	3	4
50.4 120W	12-42	ON	ON	ON	ON
52.5 125W	12-42	ON	ON	ON	ON
54.6 130W	12-42	ON	ON	ON	ON
56.7 135W	12-42	ON	ON	ON	ON
58.8 140W	12-42	ON	ON	ON	ON
60.9 145W	12-42	ON	ON	ON	ON
63.0 150W	12-42	ON	ON	ON	ON
65.1 155W	12-42	ON	ON	ON	ON
67.2 160W	12-38	ON	ON	ON	ON
69.3 165W	12-42	ON	ON	ON	ON
71.4 170W	12-42	ON	ON	ON	ON
73.5 175W	12-42	ON	ON	ON	ON
75.6 180W	12-42	ON	ON	ON	ON
77.7 185W	12-42	ON	ON	ON	ON
79.8 190W	12-42	ON	ON	ON	ON
81.9 195W	12-41	ON	ON	ON	ON
84.0 200W	12-40	ON	ON	ON	ON

SEC wire prep. 0.5-1.0mm² 18-20mm

DIM is connected to the SELV source
Do not connect LED+/LED- and DIM/GND wires

OUTPUT

- LED+
- LED-
- GND
- DIM

BK-EML080-A2000AY

INPUT

- ACL/DC+
- ACL/DC-
- ACN/DC+
- ACN/DC-
- NC
- ⊕

PRI wire prep. 0.75-1.0mm² 18-20mm

BOKE Drivers Co., Ltd.
Address: 2nd and 3rd Floor, No.51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA
www.bokedriver.com
MADE IN CHINA

Dimmable Constant Current LED Driver
MODEL: BK-EML080-A2000AY
INPUT: 200-240V $\approx$ 0/50/60Hz 0.47A Max. λ : 0.85C-0.95
OUTPUT: 12-40V $\approx$ 2000mA 80W 50VDC Max. •tc
Other ratings see selection sheet
For LED Modules use only
tc: 90°C
ta: 60°C

Output	Switch	1	2	3	4
65.10 155W	12-42	ON	ON	ON	ON
67.20 160W	12-42	ON	ON	ON	ON
69.30 165W	12-42	ON	ON	ON	ON
71.40 170W	12-42	ON	ON	ON	ON
73.50 175W	12-42	ON	ON	ON	ON
75.60 180W	12-42	ON	ON	ON	ON
77.70 185W	12-42	ON	ON	ON	ON
79.80 190W	12-42	ON	ON	ON	ON
81.90 195W	12-41	ON	ON	ON	ON
84.00 200W	12-40	ON	ON	ON	ON

SEC wire prep. 0.5-1.0mm² 18-20mm

DIM is connected to the SELV source
Do not connect LED+/LED- and DIM/GND wires

OUTPUT

- LED+
- LED-
- GND
- DIM

BK-EML080-B2000AY

INPUT

- ACL/DC+
- ACL/DC-
- ACN/DC+
- ACN/DC-
- NC
- ⊕

PRI wire prep. 0.75-1.0mm² 18-20mm

BOKE Drivers Co., Ltd.
Address: 2nd and 3rd Floor, No.51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA
www.bokedriver.com
MADE IN CHINA

Dimmable Constant Current LED Driver
MODEL: BK-EML080-B2000AY
INPUT: 200-240V $\approx$ 0/50/60Hz 0.456A Max. λ : 0.8C-0.95
OUTPUT: 12-40V $\approx$ 2000mA 80W 50VDC Max. •tc
Other ratings see selection sheet
For LED Modules use only
tc: 85°C
ta: 50°C

Output	Switch	1	2	3	4
65.10 155W	12-42	ON	ON	ON	ON
67.20 160W	12-42	ON	ON	ON	ON
69.30 165W	12-42	ON	ON	ON	ON
71.40 170W	12-42	ON	ON	ON	ON
73.50 175W	12-42	ON	ON	ON	ON
75.60 180W	12-42	ON	ON	ON	ON
77.70 185W	12-42	ON	ON	ON	ON
79.80 190W	12-42	ON	ON	ON	ON
81.90 195W	12-41	ON	ON	ON	ON
84.00 200W	12-40	ON	ON	ON	ON

SEC wire prep. 0.5-1.0mm² 18-20mm

DIM is connected to the SELV source
Do not connect LED+/LED- and VCC/DIM/GND wires

OUTPUT

- LED+
- LED-
- GND
- DIM

DIP-switch & output current

BK-EML060-A1650AY

Output			1	2	3	4
Prated(W)	Irated(mA)	Voltage(Vdc)				
50.4	1200	12-42	--	ON	ON	ON
52.5	1250	12-42	ON	--	ON	ON
54.6	1300	12-42	--	--	ON	ON
56.7	1350	12-42	--	ON	--	ON
58.8	1400	12-42	--	--	--	ON
60.9	1450	12-42	ON	ON	ON	--
63.0	1500	12-42	--	--	ON	--
62.0	1550	12-40	--	ON	--	--
60.8	1600	12-38	ON	--	--	--
62.7	1650 ★	12-38	--	--	--	--

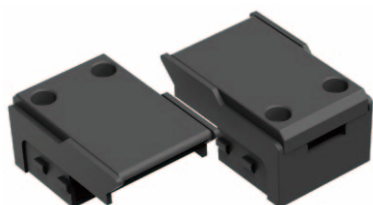
BK-EML080-A2000AY/BK-EML080-B2000AY

Output			1	2	3	4
Prated(W)	Irated(mA)	Voltage(Vdc)				
65.10	1550	12-42	--	ON	ON	ON
67.20	1600	12-42	ON	--	ON	ON
69.30	1650	12-42	--	--	ON	ON
71.40	1700	12-42	--	ON	--	ON
73.50	1750	12-42	--	--	--	ON
75.60	1800	12-42	ON	ON	ON	--
77.70	1850	12-42	--	--	ON	--
79.80	1900	12-42	--	ON	--	--
79.95	1950	12-41	ON	--	--	--
80.00	2000 ★	12-40	--	--	--	--

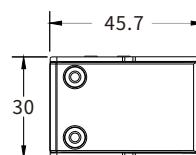
Remarks:

- ★ It means that this item is the factory default current.
- It means that this channel is OFF.

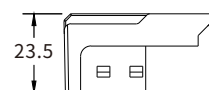
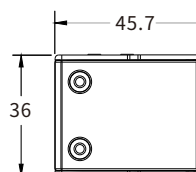
Optional accessories



(Model:BK-BAS012A)



(Model:BK-BAS012B)

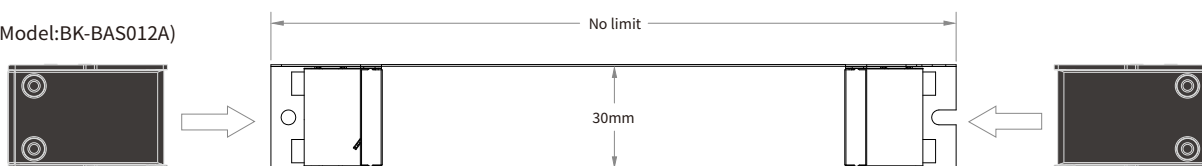


Remark: BK-BAS012A apply to
BK-BAS012B apply to

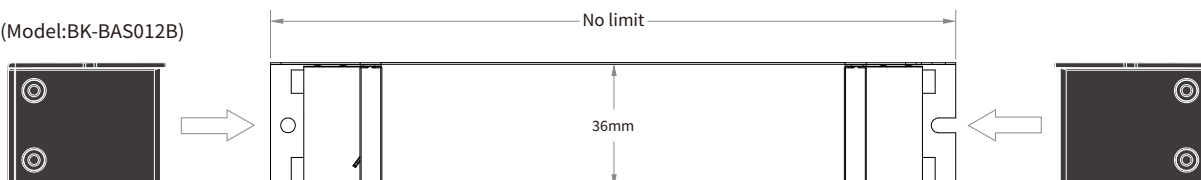
Unit:mm

Installation diagram of accessories

(Model:BK-BAS012A)



(Model:BK-BAS012B)



3.3V/5V/10V PWM

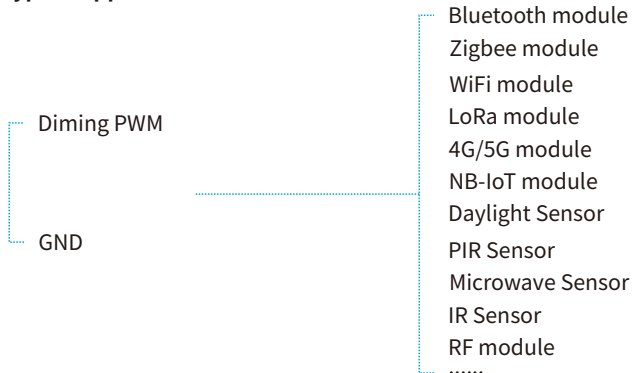
Wiring diagram



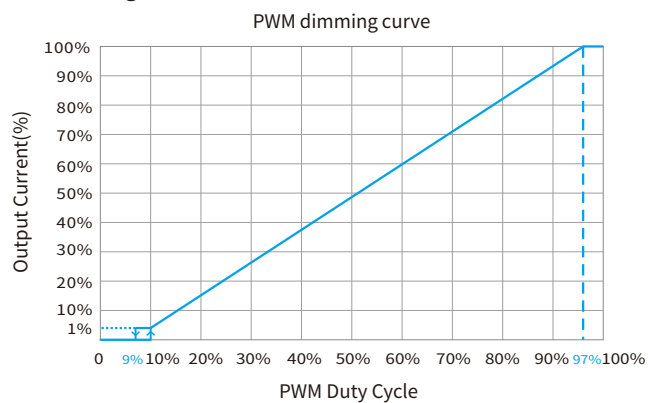
Remarks

DIM: signal:PWM
 Voltage:3.3V/5V/10V
 Frequency range:300Hz-3KHz
 Phase position:positive logic
 Duty cycle:0%(OFF),10%(darkest)~100%(brightest)

Typical applications



Dimming curve

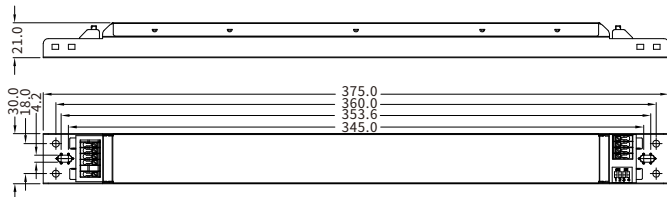


Mechanical Specification

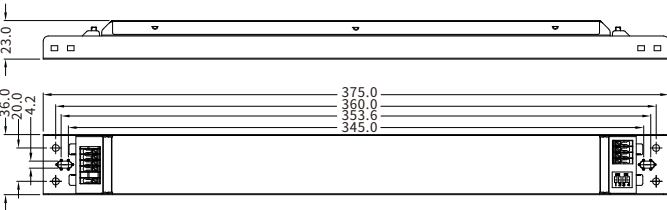
Size(Excluding accessories)

Unit:mm

EML060-A/EML080-B



EML080-A

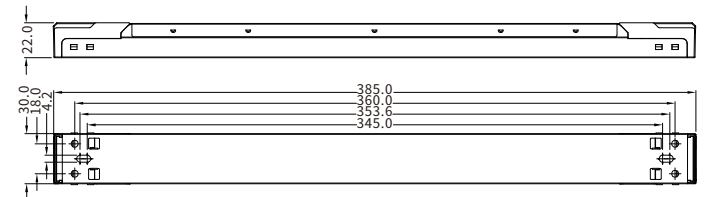


Mechanical Specification

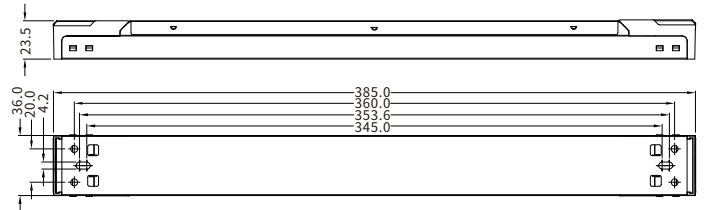
Size(Include accessories)

Unit:mm

EML060-A/EML080-B



EML080-A



INPUT

Numbering	function	colour
1	ACL/DC+	brown
2	ACL/DC+	brown
3	ACN/DC-	blue
4	ACN/DC-	blue
5	NC	grey
6	FG	grey

Input wire

0.75-1.0mm²
8-9mm

OUTPUT

Numbering	function	colour
1	LED+	red
2	LED-	black
3	GND	grey
4	DIM	green

Output wire

0.5-1.0mm²
8-9mm

Installation note

Hot plug-in

- Hot plug-in is not supported due to residual output voltage of > 0 V.

Wiring guidelines

- All connections must be kept as short as possible to ensure good EMI behaviour.
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Max. length of output wires is 2 m.
- Incorrect wiring can damage LED modules.

Installation requirements

- The driver should be installed in a dry, acid-free, oil-free, fat-free environment.
- The installation ambient temperature of the driver shall not exceed the value of Ta at any time.
- The temperature of the mounting surface of the driver should be lower than the temperature of Ta.
- The driver should keep a certain distance from the heating stuff (such as the luminaire radiator).
- If the driver is used externally (it needs to be used with the accessories), the installation of the driver should also meet the following conditions:
 - 1.The driver should be a certain distance between the drivers, as shown in Figure 1.
 - 2.The driver keeps a certain distance from surrounding objects, as shown in Figure 2.

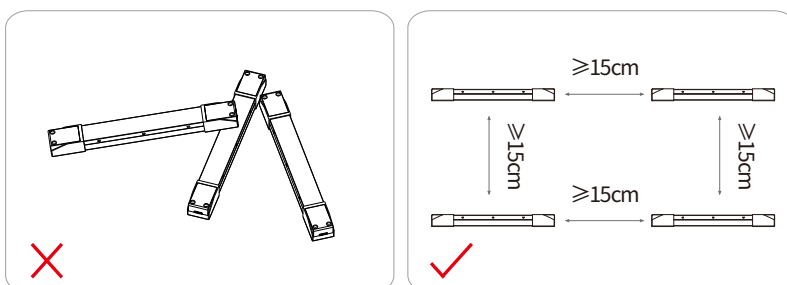


Figure 1

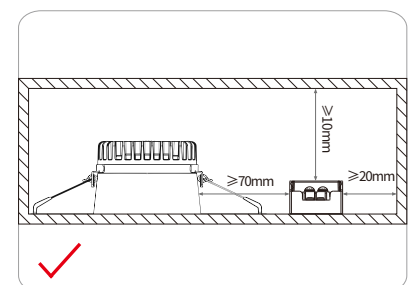
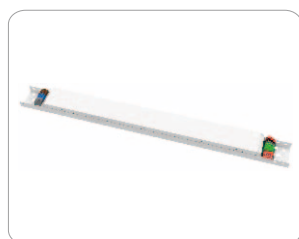
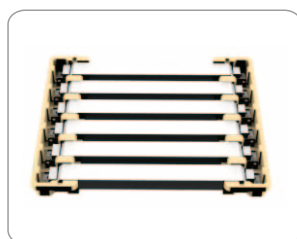


Figure 2

Packaging



Product



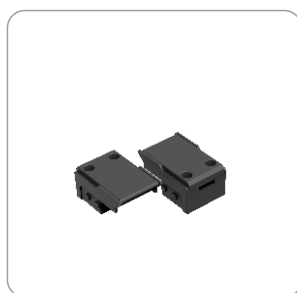
Paper tray



7pcs*4layer=28pcs/CTN
6pcs*4layer=24pcs/CTN

Model	Product size	Weight	Paper tray	Carton size	Qty/carton	N.W	G.W
EML060-A	L375*W30*H21mm	272g	L345*W75*H29mm	L425*W355*H140mm	28pcs	7.62KG	9.11KG
EML080-A	L375*W36*H23mm	360g	L345*W75*H33mm	L425*W355*H160mm	24pcs	8.64KG	10.1KG
EML080-B	L375*W30*H21mm	297g	L345*W75*H29mm	L425*W355*H140mm	28pcs	8.18KG	9.38KG

Accessories



End cap + screws



100 sets/CTN

Model	Product size	Weight/set	Carton size	Qty/carton	N.W	G.W
BK-BAS012A	L45.7*W30*H22mm	16g	L450*W350*H180mm	100 sets	1.6kg	2.1kg
BK-BAS012B	L45.7*W30*H23.5mm	19g	L450*W350*H180mm	100 sets	1.9kg	3.4kg

Additional information

1. The life and MTBF of the product are for reference only, and do not represent a warranty statement.
2. For more information, please send an email to info@bokedriver.com.