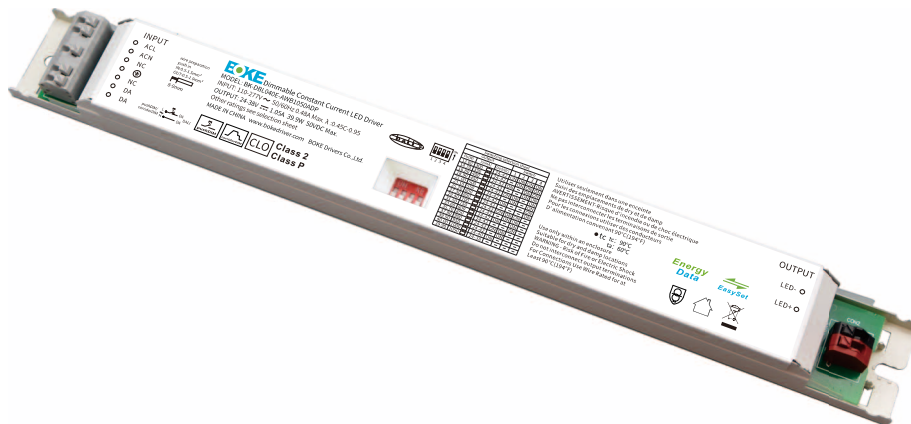


Constant current linear dimmable driver
DBL(E) Series suffix DP(DALI-2+pushDIM+EnergyData+CLO+corridorDIM
+DALI programmable)



Features

- Support DALI-2+pushDIM dimming interface
- Support EnergyData function and energy-reporting reading (DALI Part 252)
- Support Luminaire data reading (DALI Part 251), support diagnostics-maintenance reading (DALI Part 253)
- Support advanced functions such as corridorDIM, CLO
- The output current and related parameters of the driver programming can be realized through the DALI interface
- Multi-level current output can be realized by DIP-switch
- Soft dimming and flicker-free at any brightness, meets the new requirements of ErP certification
- Using HPC patented technology at any dimming level, the brightness between lights is same
- High PF, high efficiency, low THD
- Intelligent LED hot-plug protection function
- Class 2 design, suitable for use inside of the luminaires
- 5.5-year guarantee

Interfaces

- DALI-2(DALI-2 DT6)
- PUSH(pushDIM, corridorDIM)

Functions

- Support DALI part 251,252,253
- Corridor dimming(corridorDIM)
- Constant light output function(CLO)
- Programming via DALI(EasySet)
- Protective features (short-circuit, overload,no-load,over temperature, hot plug-in protection)

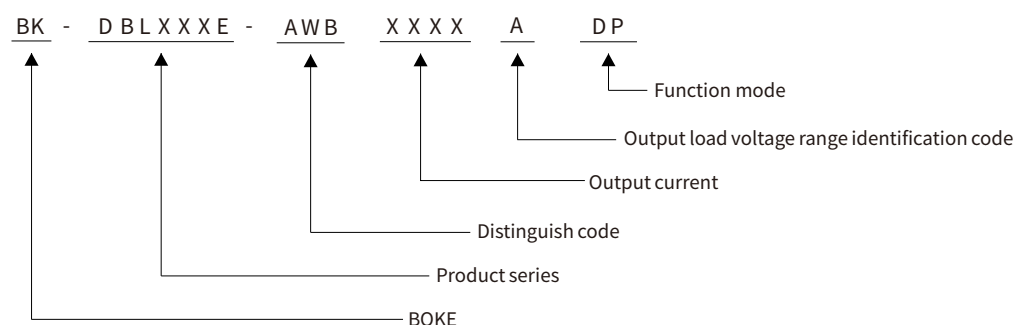
Suitable for lights

- 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 DBL(E) series



Class P
Class 2



Function list

Model	Suffix	DIP switch	CCT-switch (Slide switch)	Wired dimming		Advanced functions				Device Configuration
				DALI-2	pushDIM	AOC	CLO	EnergyData	corridorDIM	DALI interfaces
BK-DBL040E-AWB BK-DBL080E-AWB	DP	√		√	√	√	√	√	√	√
	DPC	√	√	√	√	√	√	√	√	√

*The description in this specification is only applicable to the products with the suffix DP and the model are DBL040E-AWB,DBL080E-AWB.

Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension
BK-DBL040E-AWB1050ADP	110-277VAC	40W MAX.	24-42VDC	0.3-1.05A	L280*W30*H21mm
BK-DBL040E-AWB1050ADPC	110-277VAC	40W MAX.	24-42VDC	0.3-1.05A	L280*W30*H22.5mm
BK-DBL080E-AWB2000ADP	110-277VAC	80W MAX.	24-42VDC	1.1-2A	L360*W30*H21mm
BK-DBL080E-AWB2000ADPC	110-277VAC	80W MAX.	24-42VDC	1.1-2A	L360*W30*H22.5mm

*The description in this specification is only applicable to the products with the suffix DP and the model are DBL040E-AWB,DBL080E-AWB.

Technical data

Product model	BK-DBL040E-AWB1050ADP
Output parameters	
Regulation method	Constant Current
Rated output current range	0.3-1.05A, see the DIP-switch for details
Rated output voltage range	24-42VDC, see the DIP-switch for details
Rated output power	40W Max, see the DIP-switch for details
Output current adjustment	EasySet Programming/DIP S.W(16 levels)
Output current ripple LF	±3%
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.251%(100Hz), Pst LM = 0.000, SVM = 0.007, (120VAC & Full load) Flickering percent(IEEE 1789)=0.248%(100Hz), Pst LM = 0.000, SVM = 0.008, (277VAC & Full load) (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	110-277VAC
Input voltage range	100-305VAC
Input voltage shock	<380 VAC
Input current	<0.48A (Rated input voltage)
Input frequency	50/60Hz
Input PF(typical)	0.99(120VAC & Full load), 0.95(277VAC & Full load), see the electrical values below for details
Input DF(typical)	0.99(120VAC & Full load), 0.95(277VAC & Full load), see the electrical values below for details
Input THD(typical)	4%(120VAC & Full load), 13%(277VAC & Full load), see the electrical values below for details
Efficiency(typical)	85.5%(120VAC & Full load), 88%(277VAC & Full load), see the electrical values below for details
In-rush current(typical)	9.2A peak, 288us duration(50 % Ipeak), (120VAC & Full load) 22.02A peak, 290us duration(50 % Ipeak), (277VAC & Full load) see the description below for details
Start/Switchover/Turn off(typical)	0.75s(AC start), 0.3s(AC switchover), 0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption	Full load(Pin):46.8W(120VAC)/45.5W(277VAC), No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P:1600VAC, I/P-G:1600VAC, O/P-G:500VAC, I/P-DALI: 1600VAC, O/P-DALI: 500VAC
Mains surge capability	L-N:2KV, L-G/N-G:4KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:B)
Leakage current	0.15MIU (120VAC & Full load), 0.35MIU (277VAC & Full load)
Control interface	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 100-305V 47/63Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1%-100%(Minimum current:10.5mA)
Dimming drive mode	AM
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-25-60°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	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	UL, Class P, FCC, DALI-2
Safety	UL 8750
EMC	FCC Part 15B
DALI-2	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2), DALI part251,252,253
EL	N/A
RF	N/A

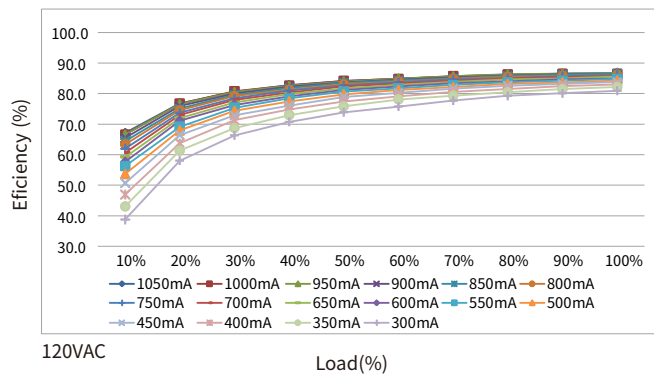
Technical data

Product model	BK-DBL080E-AWB2000ADP
Output parameters	
Regulation method	Constant Current
Rated output current range	1.1-2A,see the DIP-switch for details
Rated output voltage range	24-42VDC,see the DIP-switch for details
Rated output power	80W Max,see the DIP-switch for details
Output current adjustment	EasySet Programming/DIP S.W(16 levels)
Output current ripple LF	±3%
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.277%(100Hz), Pst LM = 0.000, SVM = 0.008,(120VAC & Full load) Flickering percent(IEEE 1789)=0.278%(100Hz), Pst LM = 0.000, SVM = 0.010,(277VAC & Full load) (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	110-277VAC
Input voltage range	100-305VAC
Input votage shock	<380 V AC
Input current	<0.88A (Rated input voltage)
Input frequency	50/60Hz
Input PF(typical)	0.99(120VAC & Full load), 0.95(277VAC & Full load), see the electrical values below for details
Input DF(typical)	0.99(120VAC & Full load), 0.95(277VAC & Full load), see the electrical values below for details
Input THD(typical)	4%(120VAC & Full load) , 12%(277VAC & Full load), see the electrical values below for details
Efficiency(typical)	88.5%(120VAC & Full load) , 90.5%(277VAC & Full load), see the electrical values below for details
In-rush current(typical)	13.625A peak ,440us duration(50 % Ipeak) , (120VAC & Full load) 33.75A peak ,440us duration(50 % Ipeak) , (277VAC & Full load) see the description below for details
Start/Switchover/Turn off(typical)	0.75s(AC start),0.3s(AC switchover),0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption	Full load(Pin):90.4W(120VAC)/88.4W(277VAC), No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P:1600VAC,I/P-G:1600VAC,O/P-G:500VAC ,I/P-DALI: 1600VAC,O/P-DALI: 500VAC
Mains surge capability	L-N:2KV,L-G/N-G:4KV(90°/270° , 5 times each with an interval of 60s)(Performance criterion:B)
Leakage current	0.15MIU (120VAC & Full load), 0.35MIU (277VAC & Full load)
Control interface	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 100-305V 47/63Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1%-100%(Minimum current:10.5mA)
Dimming drive mode	AM
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-25-60°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	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	UL, Class P, FCC, DALI-2
Safety	UL 8750
EMC	FCC Part 15B
DALI-2	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2), DALI part251,252,253
EL	N/A
RF	N/A

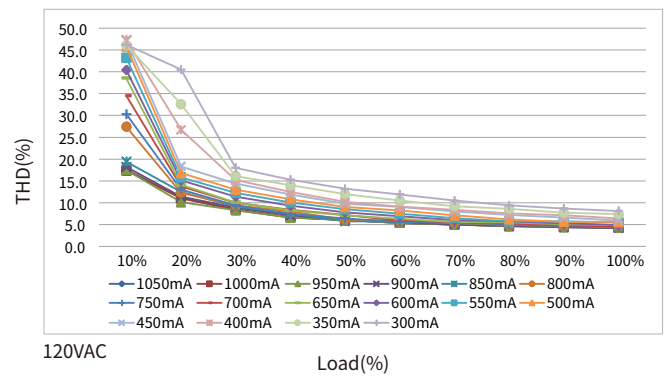
Electrical values

BK-DBL040E-AWB

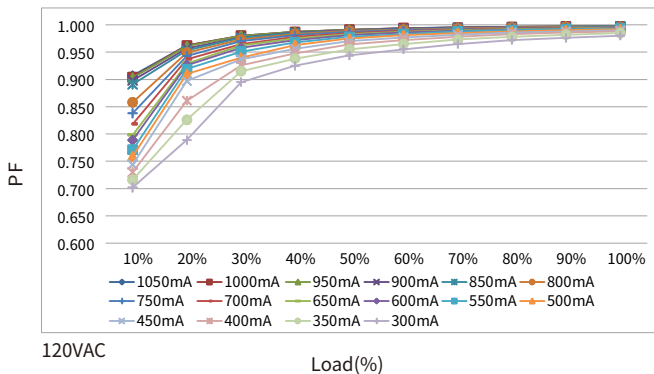
Efficiency vs load



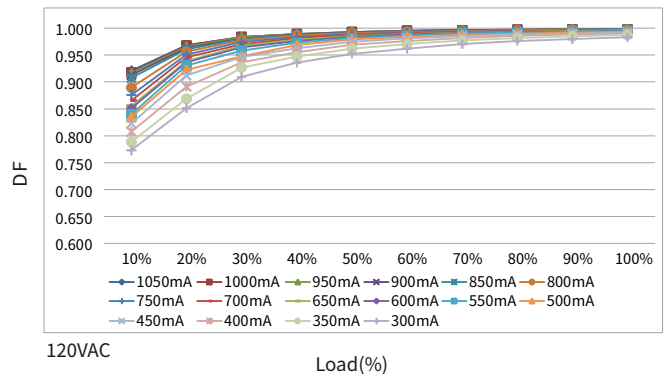
THD vs. Load



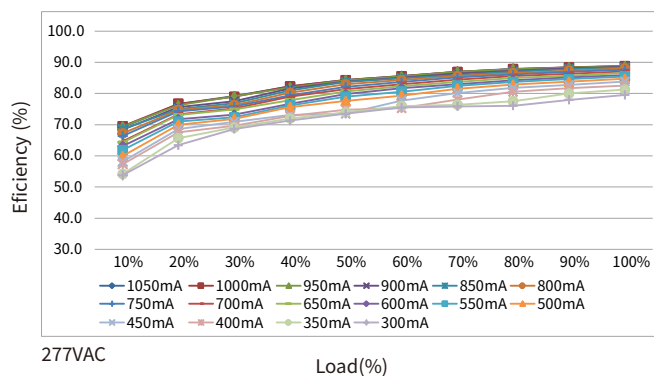
Power factor vs. Load



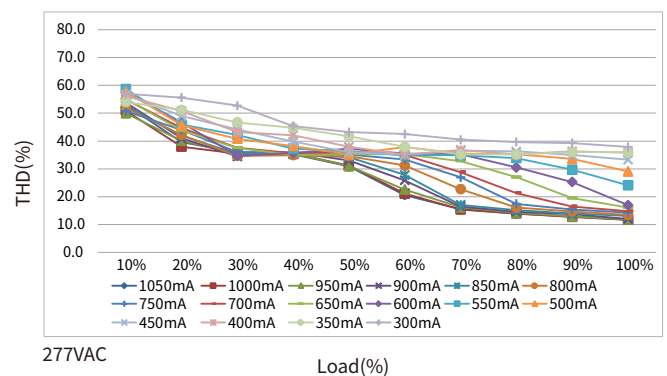
Displacement power vs. Load



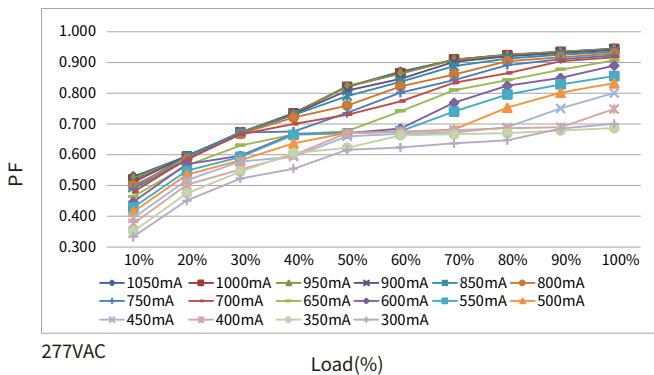
Efficiency vs load



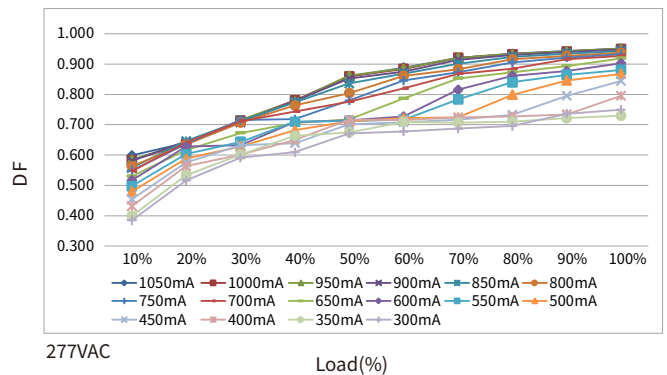
THD vs. Load



Power factor vs. Load



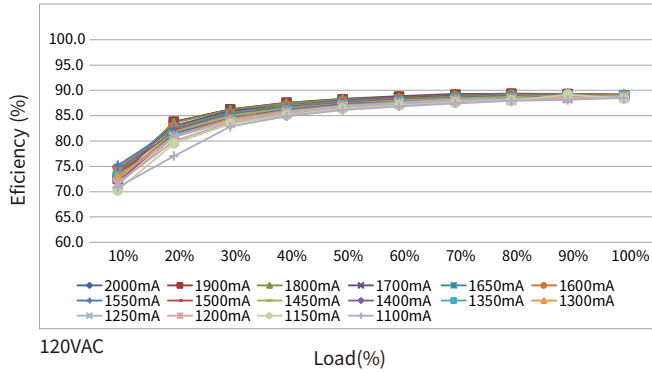
Displacement power vs. Load



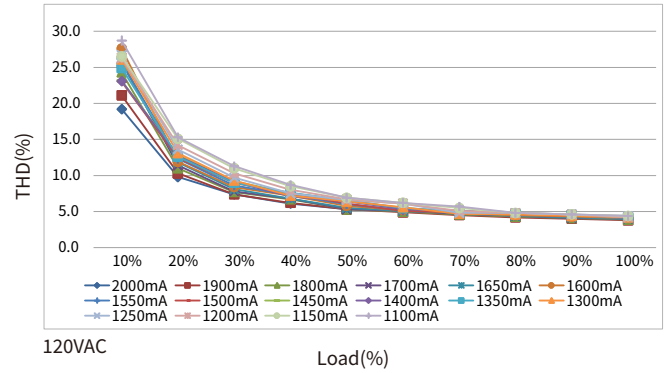
Electrical values

BK-DBL080E-AWB

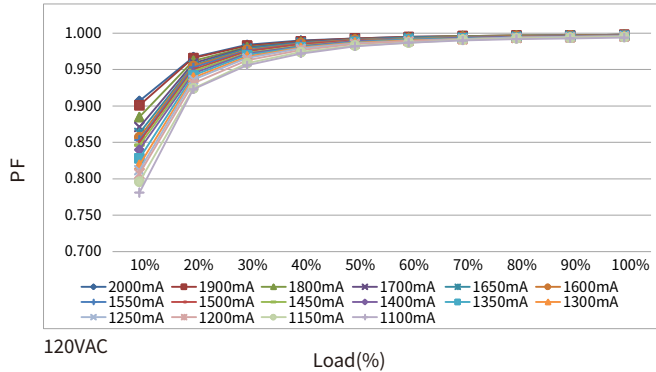
Efficiency vs load



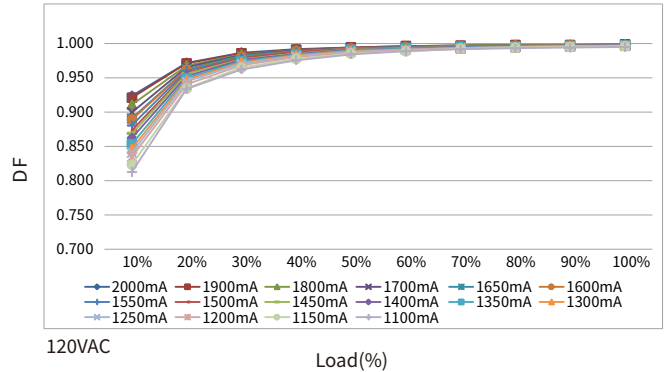
THD vs. Load



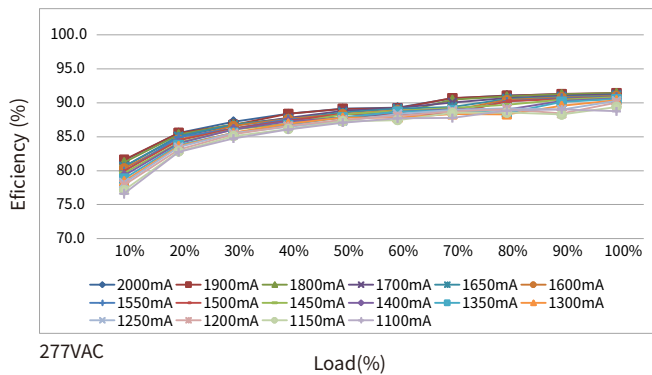
Power factor vs. Load



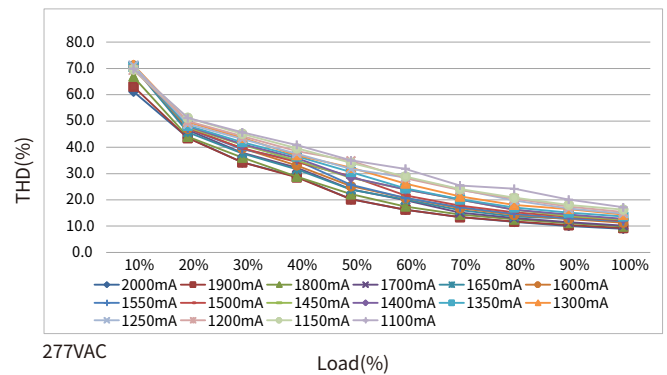
Displacement power vs. Load



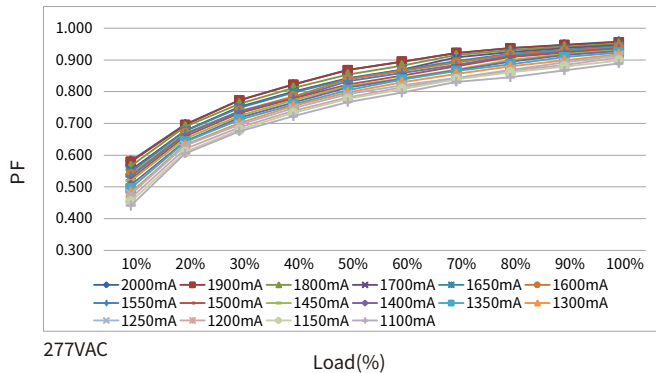
Efficiency vs load



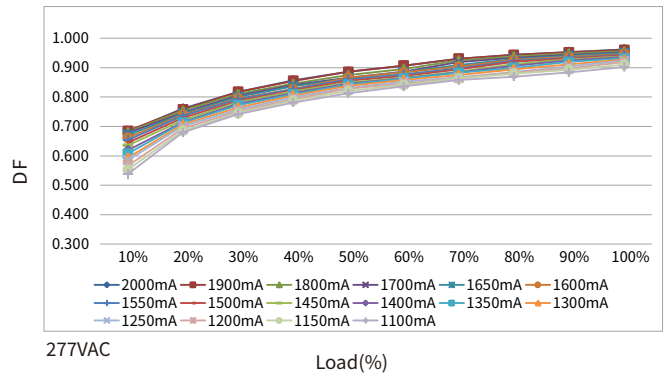
THD vs. Load



Power factor vs. Load



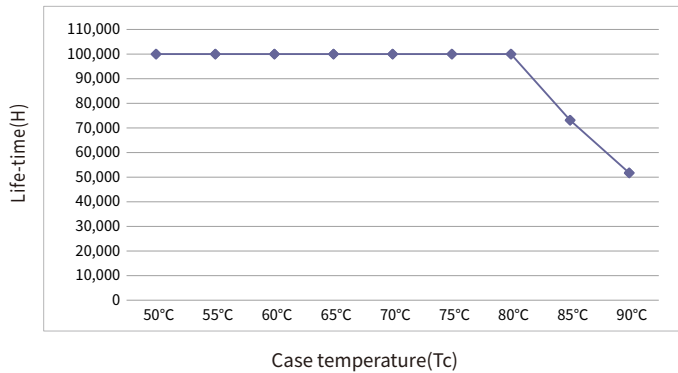
Displacement power vs. Load



Expected life-time

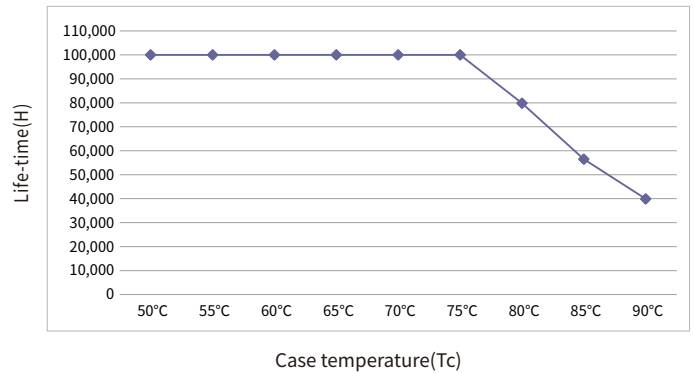
BK-DBL040E-AWB

Life-time vs. case temperature



BK-DBL080E-AWB

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.

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.

Output overload protection

- The LED driver turns off the output if the output voltage range is exceeded.
- The output will be activated again after restart the LED driver .

Output over temperature

- When the operating temperature exceeds the over temperature protection point inside the power supply IC, the power supply enters protection state such as output derating,output hiccup or output shutdown. After the external temperature is normal, restart and resume operation.

Output hot plug-in protection

- This function is used to prevent LED light that are far below the driver's no-load voltage burnout when hot plugged into a powered driver output.
- This function can be enabled or disabled through the programming interface. If enabled, when the LED light is connected to the powered driver, the LED light will not light up, you can restart the drive to restore normal. If disabled, when the LED light is connected to the powered driver, the LED light will turn on or off according to the current brightness level.
- Please refer to the parameters configure in the "Device configuration" section for information on whether the default factory settings are enabled.
- Factory default Enabled or not please check the "Device configuration" section.

- Note:

When the hot plug-in protection is enable, the following applications may not achieve the expected effect:

1. When the output of the driver is connected to the color temperature switch:
When the switch is used to change the color temperature, the hot plug-in protection of the driver will be triggered, and the LED will not be lit.
 2. When the LED driver is used in conjunction with a self-contained (independent) emergency control device:
Use the self-check test switch of the emergency control device to test the emergency function and when exiting the emergency mode, the driver's hot plug-in protection will be triggered and the LED will not be lit.
- The above two application drivers should turn off the hot plug-in protection function in order to achieve good working results.

Driver restart method

There are two ways to restart the driver:

- Through the AC input:disconnect the AC of the driver and power it again.
- Through dimming interface.
DALI:send "OFF" command first,then send "MAX" command.
pushDIM:short press pushbutton two times,then long press pushbutton.

Tunable white functionality

- This driver have 2 output channels used to control the intensity and temperature of white colour as well known as "Tunable White" .

Adjustable output current (AOC)

- The output current of the driver can be adjusted within a certain range, and 2 options can be selected through the EasySet configuration software.

Setting 1 (default): By DIP-switch setting

The output current is determined by the selection of the DIP-switch.

Setting 2: By programming setting

The output current is determined by the programming setting.

Corridor dimming (corridorDIM)

- Please see the "corridorDIM dimming" section.

Constant light output (CLO)

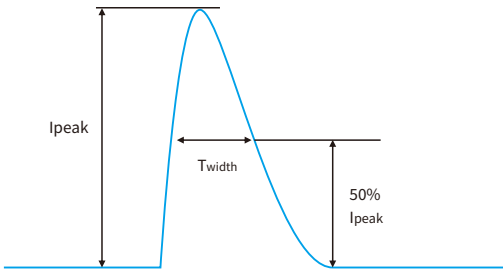
- The luminous flux of a LED decreases constantly over the life-time.
- The CLO function ensures that the emitted luminous flux remains stable. For that purpose the LED current will increase continuously over the LED life-time.
- In EasySet configuration it is possible to select a start value(in percent)and an expected life-time.The LED driver adjusts the current afterwards automatically.

Configuration programming(EasySet)

- The programming configuration of the driver is realized using the BOKE EasySet programming suite and through the driver's DALI interface.
- Please see the "Device configuration" section.
- More information about the EasySet programming suite can be found at www.bokedriver.com.

Surge

Model	Ipeak	Twidth	Condition	Relative number of MCB/pcs															
				B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25	
BK-DBL040E-AWB	9.2A	288us	AC 120V,Full load, Cold start,Ta≤30°C, MCB is not installed side by side	25	32	40	50	62	38	50	61	76	95	38	50	61	76	95	
BK-DBL080E-AWB	13.625A	440us		11	14	17	21	26	18	23	28	35	44	20	26	32	39	49	
BK-DBL040E-AWB	22.02A	290us	AC 277V,Full load, Cold start,Ta≤30°C, MCB is not installed side by side	10	13	16	20	26	17	22	27	34	43	34	44	55	68	85	
BK-DBL080E-AWB	33.75A	440us		4	6	7	9	11	7	9	11	14	18	14	18	23	28	36	



- 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.

Label

BK-DBL040E-AWB

INPUT

- ACL
- ACN
- NC
- NC
- DA
- DA

wire preparation
push in
INS 0.5-1.5mm²
CUT 0.5-1.5mm²
8-9mm

BOKE Dimmable Constant Current LED Driver
MODEL: BK-DBL040E-AWB1050ADP
INPUT: 110-277V ~ 50/60Hz 0.48A Max. λ: 0.45C-0.95
OUTPUT: 24-38V ~ 1.05A 39.9W 50VDC Max.
Other ratings see selection sheet
MADE IN CHINA www.bokedriver.com BOKE Drivers Co.,Ltd.

Class 2
Class P

OUTPUT

LED- ○
LED+ ○

Energy Data EasySet

BK-DBL080E-AWB

INPUT

- ACL
- ACN
- NC
- NC
- DA
- DA

wire preparation
push in
INS 0.5-1.5mm²
CUT 0.5-1.5mm²
8-9mm

BOKE Dimmable Constant Current LED Driver
MODEL: BK-DBL080E-AWB2000ADP
INPUT: 110-277V ~ 50/60Hz 0.88A Max. λ: 0.45C-0.95
OUTPUT: 24-40V ~ 2A 80W 50VDC Max.
Other ratings see selection sheet
MADE IN CHINA www.bokedriver.com BOKE Drivers Co.,Ltd.

Class 2
Class P

OUTPUT

LED- ○
LED+ ○

Energy Data EasySet

DIP-switch & output current

BK-DBL040E-AWB

Output			1	2	3	4
Prated(W)	Irated(mA)	Voltage(Vdc)				
12.60	300	24-42	ON	ON	ON	ON
14.70	350	24-42	--	ON	ON	ON
16.80	400	24-42	ON	--	ON	ON
18.90	450	24-42	--	--	ON	ON
21.00	500	24-42	ON	ON	--	ON
23.10	550	24-42	--	ON	--	ON
25.20	600	24-42	ON	--	--	ON
27.30	650	24-42	--	--	--	ON
29.40	700	24-42	ON	ON	ON	--
31.50	750	24-42	--	ON	ON	--
33.60	800	24-42	ON	--	ON	--
35.70	850	24-42	--	--	ON	--
37.80	900	24-42	ON	ON	--	--
39.90	950	24-42	--	ON	--	--
40.00	1000	24-40	ON	--	--	--
39.90	1050★	24-38	--	--	--	--

BK-DBL080E-AWB

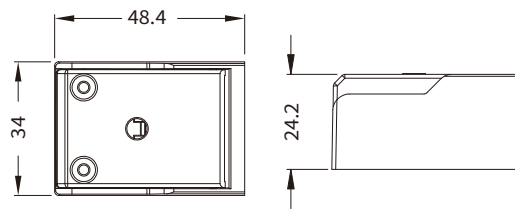
Output			1	2	3	4
Prated(W)	Irated(mA)	Voltage(Vdc)				
46.20	1100	24-42	ON	ON	ON	ON
48.30	1150	24-42	--	ON	ON	ON
50.40	1200	24-42	ON	--	ON	ON
52.50	1250	24-42	--	--	ON	ON
54.60	1300	24-42	ON	ON	--	ON
56.70	1350	24-42	--	ON	--	ON
58.80	1400	24-42	ON	--	--	ON
60.90	1450	24-42	--	--	--	ON
63.00	1500	24-42	ON	ON	ON	--
65.10	1550	24-42	--	ON	ON	--
67.20	1600	24-42	ON	--	ON	--
69.30	1650	24-42	--	--	ON	--
71.40	1700	24-42	ON	ON	--	--
75.60	1800	24-42	--	ON	--	--
79.80	1900	24-42	ON	--	--	--
80.00	2000★	24-40	--	--	--	--

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

Optional accessories



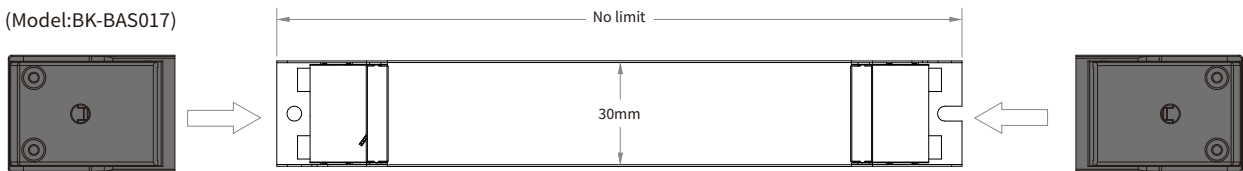
(Model:BK-BAS017)



Unit:mm

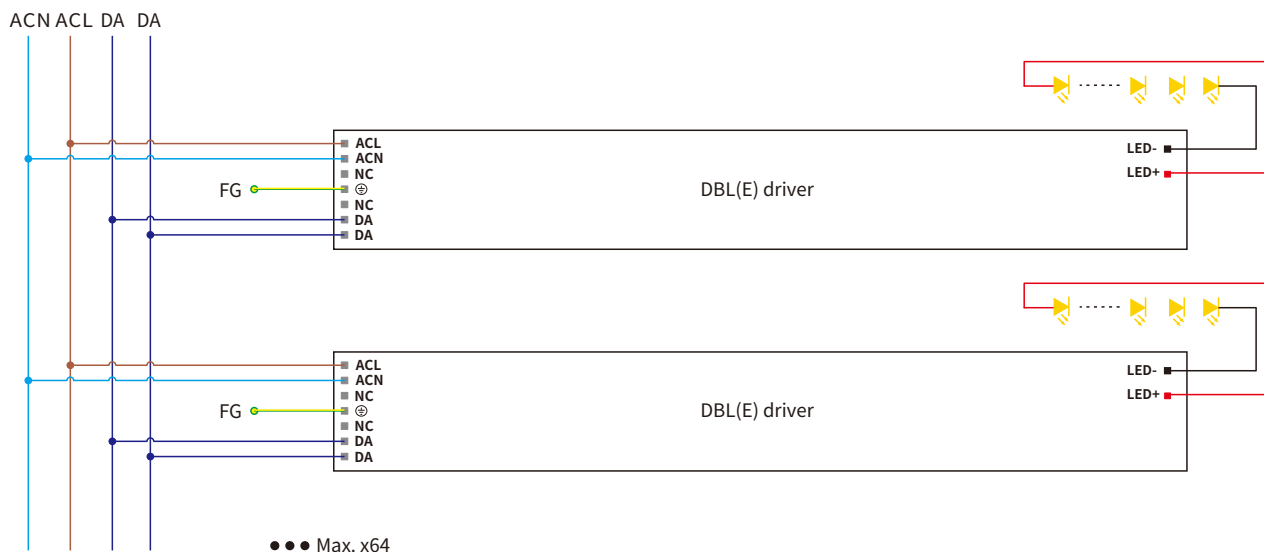
Installation diagram of accessories

(Model:BK-BAS017)



DALI dimming application

Wiring diagram



Switch to the DALI dimming mode

- After installation according to the wiring diagram of DALI dimming application, the driver will automatically switch to the DALI control mode after receiving any DALI command.

Remarks:

- Standard DALI control line voltage range: 9.5V to 22.5V, type 16V.
- The two DALI control lines polarity-reversible.
- Max. 64 DALI drivers per DALI control line.
- The maximum distance length of the DALI control line is 300m at $2 \times 1.5\text{mm}^2$.
- DALI bus can be wired together with any mains voltage cables, but separate wiring is recommended.
- The configuration parameters of the driver can be set through the DALI configuration tool or DALI application controller during installation, such as setting device address, group address, power-on level, bus-failure level, scene level, fade time, dimming curve, etc.

Please refer to the table below

Cable size	Distance
$2 \times 0.50\text{mm}^2$	max.100m
$2 \times 0.75\text{mm}^2$	max.150m
$2 \times 1.00\text{mm}^2$	max.200m
$\geq 2 \times 1.50\text{mm}^2$	max.300m

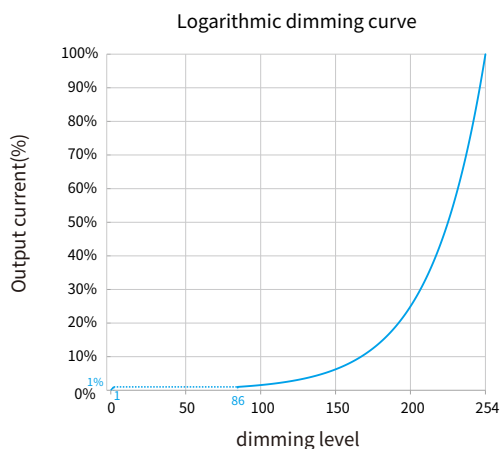
Power-on level :

When the driver is in DALI-2 dimming mode, the factory default level after each power-on is the brightest.

The power-on level can be set through the DALI configuration tool or DALI application controller during installation, and can be set to memory or fixed any brightness (such as off, darkest, 50%, etc.).

Note: The recommended setting for the default factory power-on level of the DALI-2 driver is the brightest in the DALI-2 standard.

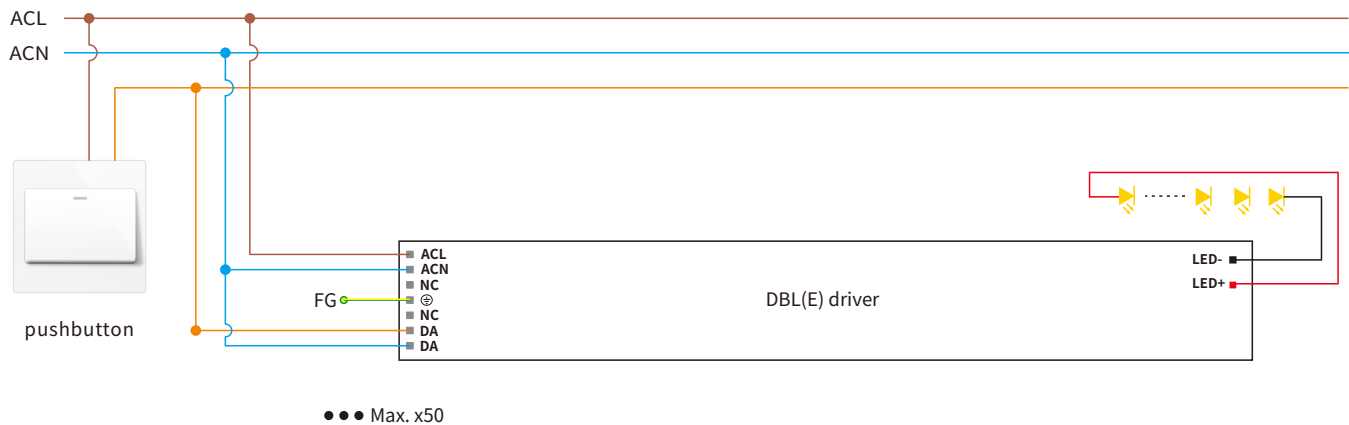
Dimming curve



Remarks: The dimming curve can be selected by DALI configuration. The default is logarithmic dimming curve.

pushDIM dimming application

Wiring diagram



Switch to the pushDIM dimming mode

- According to the wiring diagram of the pushDIM dimming application, short press(<1s) the pushbutton 5 times quickly within 3s, the driver will automatically switch to the pushDIM dimming mode.
- After switch to the pushDIM control mode, CorridorDIM mode will be automatically closed.

Remarks:

Max. 50 drivers per pushDIM control line.

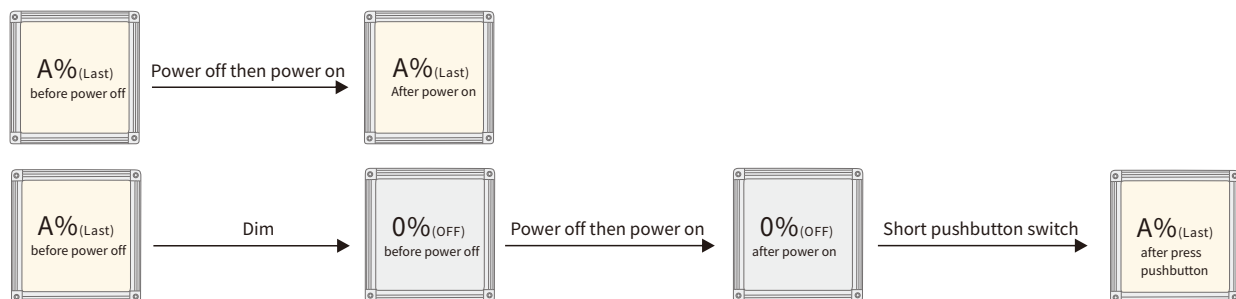
Turn on or turn off: short press pushbutton for 0.2-1s.

Dimming: long press pushbutton for 1-5s.

Power on status: after power on, the light state will be the same as the lighting on state.

If the light is on before power on, the light will be on after power on again, brightness will be the same as the last lighting on brightness.

If the light is off before power off, the light will be off after power on again, short press the pushbutton, then the light will be on, the brightness will be the same as the last brightness.



Multiple lights synchronize control operation

method 1:

Step 1: long press the pushbutton, confirm each light is on.

Step 2: short press the pushbutton, confirm each light is off.

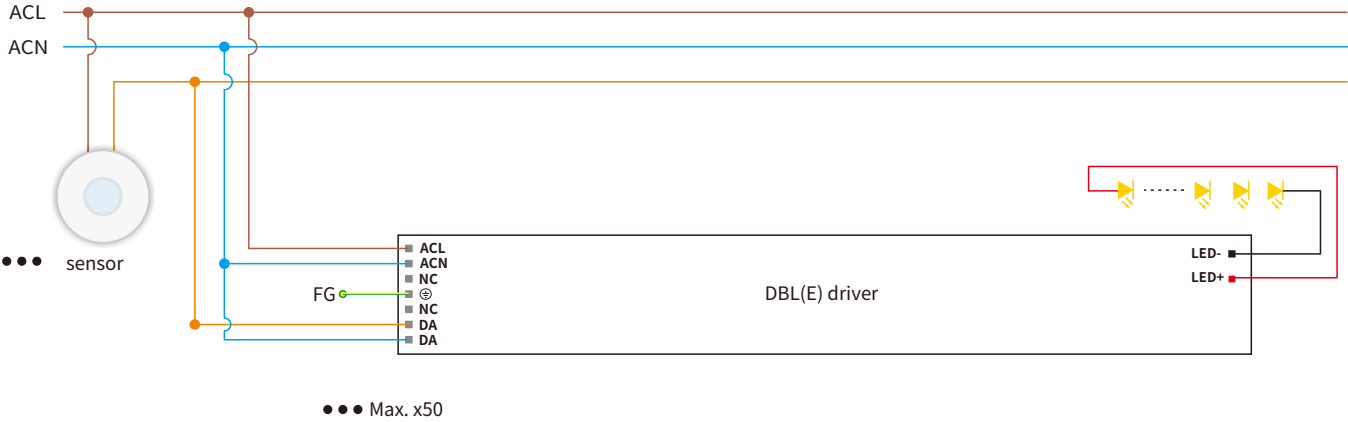
Step 3: long press the pushbutton, confirm each light is from darkest to brightest and all the lights are synchronous.

method 2:

- Long press the pushbutton 15s, all lights output to the brightest state.

corridorDIM dimming application

Wiring diagram



Switch to the corridorDIM dimming mode

- Method 1: Switch by sensor.

After installation according to the wiring diagram of corridorDIM dimming application, you can use the following two methods to switched.

Method 1: Keep the movement in the effective sensing area for 5 minutes, the corridorDIM dimming function of the driver will be switched and light up 100% (under the default setting).

Method 2: Switch by Hold-time

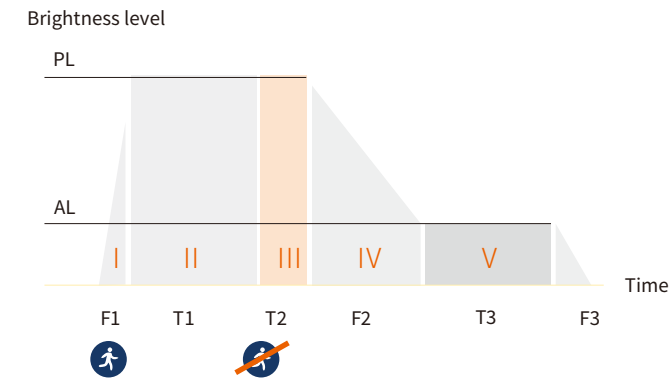
Set the hold-time of the sensor to more than 5 minutes. When the motion sensor detects a person and turns on the output for 5 minutes, the corridorDIM dimming function will be switched and the light will be on 100% (Default), finally restore the hold-time that the sensor actually needs.
- Method 2: Switch by normal switch

After installation according to the wiring diagram of the corridorDIM dimming application, first replace the sensor with a normal switch, and then turn on the normal switch for 5 minutes, and the driver will automatically switch to corridorDIM dimming mode, then remove the normal switch and replace it with the sensor.
- After switch to the corridorDIM dimming mode, the pushDIM dimming mode will be automatically deactivate .

Remarks

- During normal working,It is recommended to set the hold-time of the motion sensor to the minimum.
- Need to use a motion sensor with AC switch.

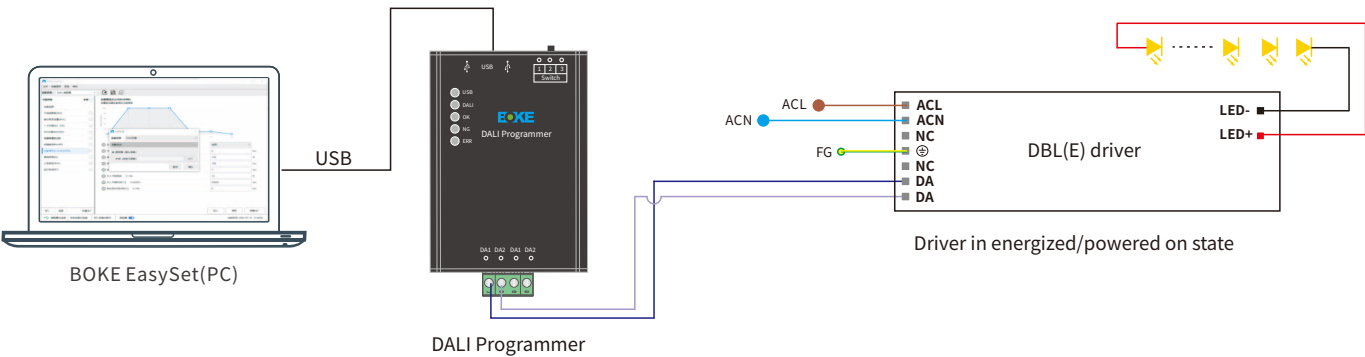
corridorDIM working process



- The parameters of corridorDIM can be set through the configuration tool.
- corridorDIM is activated by default at the factory.

Name	Symbol	Factory setting	Settable range
Fade-in time	F1	1s	0-100s
Presence level	PL	100%	0-100%
Hold-on time	T1	By sensor setting	
Run-on time	T2	180s	0-60000s
Fade-out time	F2	5s	0-100s
Absence level	AL	10%	0-100%
Stand-by Time	T3	unlimited	0-59999s,60000s(unlimited)
Fade-off time	F3	0s	0-100s

Device configuration



Software download(PC&mobile)



PC: Windows 7/Windows 10/Windows 11 32bit/64bit;
 Mobile: Android system≥6.0, ios system≥14.0。

Configure tools and software

Type	Name	Brand	Name	BOKE EasySet minimum version(PC)
Programmer	DALI programmer	BOKE	BK-CS01-SDL	V1.0.0
Software	PC Software	BOKE	BOKE EasySet	V1.0.0

Parameters configure

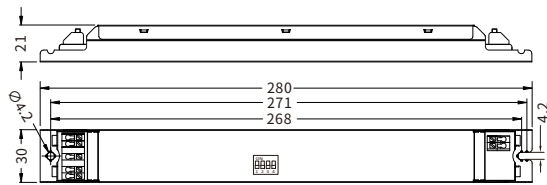
Configuration items	Factory settings	Parameter configuration	Read/Wirte
Product information	-	NO	Read Only
Adjustable output current(AOC)	Activated	YES	Read/Wirte
PUSH dimming(pushDIM)	Activated	YES	Read/Wirte
Corridor dimming(corridorDIM)	Activated	YES	Read/Wirte
Power-on fadeing(POF)	Deactivated	YES	Read/Wirte
Constant light output(CLO)	Deactivated	YES	Read/Wirte
Hot plug-in protection(HPP)	Deactivated	YES	Read/Wirte
Run-time(RT)		NO	Read Only
DALI Address(DA)	Activated	YES	Read/Wirte
DALI basic parameters(DP)	Activated	YES	Read/Wirte
DALI scene setting(DS)	Activated	YES	Read/Wirte
Other parameters		YES	

Mechanical Specification

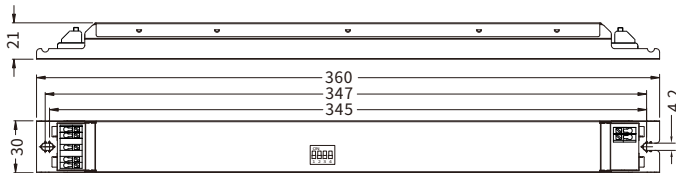
Size(Excluding accessories)

Unit:mm

DBL040E-AWB



DBL080E-AWB

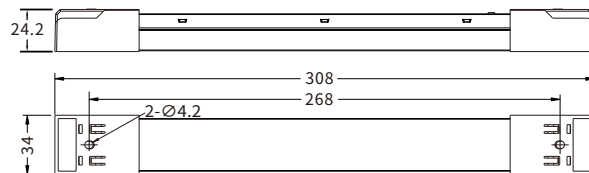


Mechanical Specification

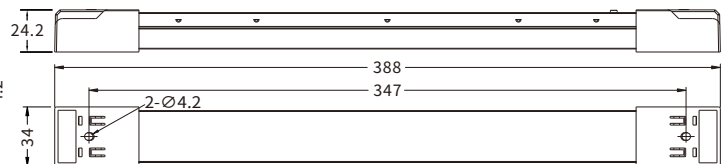
Size(Include accessories)

Unit:mm

DBL040E-AWB



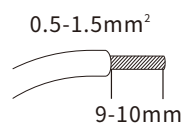
DBL080E-AWB



INPUT

numbering	function	colour
1	ACL	grey
2	ACN	grey
3	NC	grey
4	FG	grey
5	NC	grey
6	DA	grey
7	DA	grey

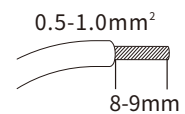
Input wire



OUTPUT

numbering	function	colour
1	LED-	black
2	LED+	red

Output wire



Installation note

Hot plug-in

- When the function is not enabled, hot plug-in is not supported due to residual output voltage of > 0 V.
- If a LED load is connected the device has to be restarted.
- Restart can be achieved by re-powering the driver or executing a on/off command (action) through the control interface.

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.

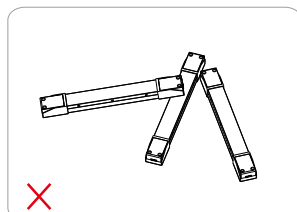


Figure 1

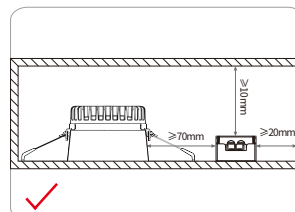
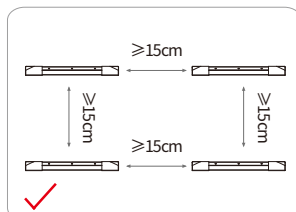


Figure 2

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.

Replace LED module

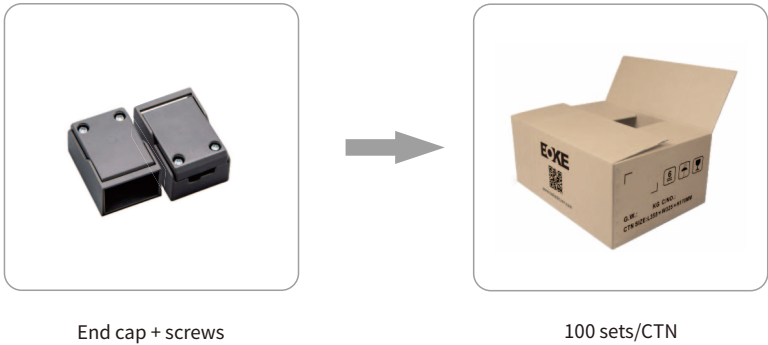
1. Mains off
2. Wait more than 5 seconds
3. Remove LED module
4. Connect LED module again

Packaging



Model	Product size	Weight/pcs	Packaging size	Carton size	Qty/carton	N.W	G.W
DBL040E-AWB	L280*W30*H21mm	175g	L300*W213*H78mm	L315*W220*H175mm	40pcs	7.00KG	8.55KG
DBL080E-AWB	L360*W30*H21mm	274g	L375*W110*H78mm	L390*W240*H100mm	20pcs	5.48KG	6.82KG

Accessories



Model	Product size	Weight/set	Carton size	Qty/carton	N.W	G.W
BK-BAS017	L48.4*W34*H24.2mm	26g	L450*W350*H180mm	100 sets	2.6kg	3.2kg

Additional information

- When the driver is used as an internal power supply for luminaires, re-evaluation of performance including temperature rise, conducted interference, radiated interference, surge immunity and electrostatic discharge (ESD) are required due to differences in luminaire structure and wiring. Ensure compliance with practical application requirements and stable & reliable operation of the driver.
- Unless otherwise specified, all specifications and parameters are measured under conditions of 230VAC input, 50Hz, full load and ambient temperature of 25°C.
- Product service life and MTBF values are for reference only and do not constitute a warranty statement.
- BOKE reserves the final right to interpret the above parameters. For further information, please send an email to info@bokedriver.com.
- The above information is subject to change without prior notice. Please ensure you use the latest version of the datasheet.