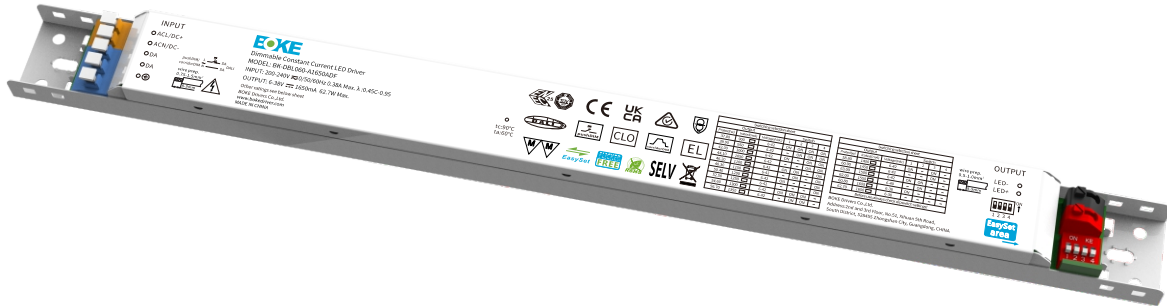


**Constant current linear dimmable driver**  
**DBL Series suffix DF(DALI-2+pushDIM+CLO+EL+corridorDIM+DALI programmable+NFC programmable)**



**Features**

- DALI-2+pushDIM dimming interface
- Support advanced functions such as corridorDIM, EL, CLO
- The output current and related parameters of the driver programming can be realized through the DALI interface and the NFC interface
- 16-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
- Dimming range 1~100%, output current accuracy 2%
- Standby power input<0.5W, meets the requirements of ErP certification
- High PF, high efficiency, low THD
- Intelligent LED hot-plug protection function
- SELV and Class I design, suitable for use inside of the light
- Compliance with CE, ENEC, UKCA, RCM, CCC, EL, DALI-2 and other certifications
- IP20 protection grade, indoor use
- Nominal life-time up to 100,000 h
- 5-year guarantee

**Interfaces**

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

**Functions**

- Support central emergency application (dimming normal in DC input)
- Support self-contained emergency application
- Corridor dimming(corridorDIM)
- Emergency lighting(EL)
- Constant light output function(CLO)
- Programming via DALI(EasySet)
- Programming via NFC(EasySet)
- Protective features (short-circuit, overload,no-load, hot plug-in protection )

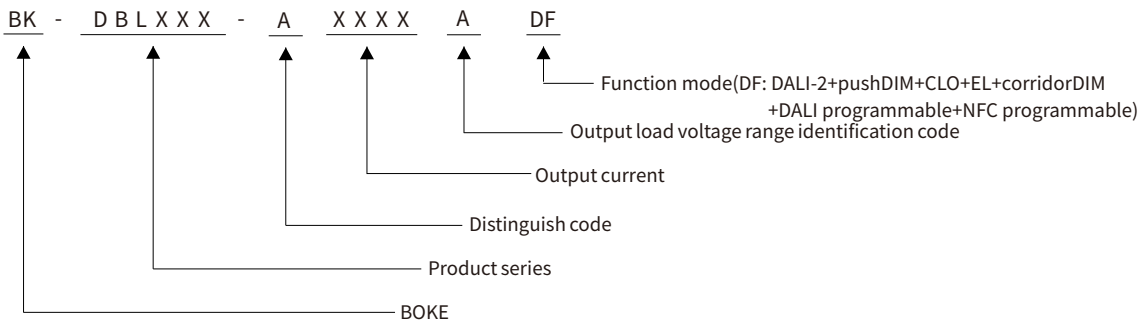
**Suitable for lights**

- 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 series**



## Function list

Model	Suffix	Wired dimming		Advanced functions				Device Configuration	
		DALI-2	pushDIM	AOC	EL	CLO	corridorDIM	DALI interfaces	NFC interfaces
BK-DBL030-A BK-DBL040-A BK-DBL050-A BK-DBL060-A BK-DBL080-A	<b>DF</b>	√	√	√	√	√	√	√	√

## Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension	Certifications
BK-DBL030-A0800ADF	200-240VAC/DC	30.4W MAX.	6-38/40/42VDC	0.275-0.8A	L265*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL, DALI-2
BK-DBL040-A1050ADF	200-240VAC/DC	39.9W MAX.	6-38/40/42VDC	0.4-1.05	L305*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL, DALI-2
BK-DBL050-A1300ADF	200-240VAC/DC	49.4W MAX.	6-38/40/42VDC	0.55-1.3A	L305*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL, DALI-2
BK-DBL060-A1650ADF	200-240VAC/DC	62.7W MAX.	6-38/40/42VDC	0.9-1.65A	L375*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL, DALI-2
BK-DBL080-A2000ADF	200-240VAC/DC	80W MAX.	6-40/41/42VDC	1.25-2A	L375*W36*H23mm	CE, ENEC, UKCA, RCM, CCC, EL, DALI-2

## Technical data

Product model	BK-DBL030-A0800ADF
<b>Output parameters</b>	
Regulation method	Constant Current
Rated output current range	0.275-0.8A
Rated output voltage range	6-38/40/42VDC
Rated output power	30.4W Max
Output current adjustment	DIP S.W.(16 levels)
Output current ripple LF	±2%
Output current accuracy	±2%
Linear regulation	±1%
Load regulation	±2%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.15%, Flicker index(IEEE 1789)=0.000, Pst LM = 0.009, SVM = 0.003, (The above parameters are obtained from testing the panel lights)
<b>Input parameters</b>	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 200-264VDC
Input voltage shock	<380 VAC
Input current	<0.19A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.45C-0.95 (230V AC),DF>0.95 (230V AC & Full load)
Input THD	10% (230V AC & Full load)
Efficiency(typical)	87% (230V AC & Full load)
In-rush current	3.554A peak ,188us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.8s(AC start),<0.8s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off )
Switching cycles	> 50,000 switching cycles
Power consumption	Full load(Pin):34.9W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
<b>Safety</b>	
Withstand voltage	I/P-O/P:3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC ,I/P-DALI: 1500V AC, O/P-DALI: 1500V AC.
Mains surge capability	L-N:2KV,L-FG/N-FG:2KV(Performance criterion:A)
Leakage current	0.61mA (230V AC & Full load)
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
<b>Control interface</b>	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 180-264V 47/63Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1%-100%
Dimming drive mode	AM(amplitude modulation)
<b>Emergency support</b>	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
<b>Environment &amp; Life time</b>	
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	<25dB(30cm, Normal operation)
Environmental protection	RoHS
<b>Certifications and standards</b>	
Certification	CE, ENEC, UKCA, RCM, EL, DALI-2, CCC
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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2)
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, full load and 25°C of ambient temperature.

## Technical data

Product model	BK-DBL040-A1050ADF
<b>Output parameters</b>	
Regulation method	Constant Current
Rated output current range	0.4-1.05A
Rated output voltage range	6-38/40/42VDC
Rated output power	39.9W Max
Output current adjustment	DIP S.W(16 levels)
Output current ripple LF	±2%
Output current accuracy	±2%
Linear regulation	±1%
Load regulation	±2%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.136%, Flicker index(IEEE 1789)=0.000, Pst LM = 0.000, SVM = 0.004, (The above parameters are obtained from testing the panel lights)
<b>Input parameters</b>	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 200-264VDC
Input voltage shock	<380 VAC
Input current	<0.24A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.45C-0.95 (230V AC),DF>0.95 (230V AC & Full load)
Input THD	10% (230V AC & Full load)
Efficiency(typical)	87% (230V AC & Full load)
In-rush current	3.75A peak ,190us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.8s(AC start),<0.8s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off )
Switching cycles	> 50,000 switching cycles
Power consumption	Full load(Pin):-45.9W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
<b>Safety</b>	
Withstand voltage	I/P-O/P:3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC ,I/P-DALI: 1500V AC, O/P-DALI: 1500V AC.
Mains surge capability	L-N:2KV,L-FG/N-FG:2KV(Performance criterion:A)
Leakage current	0.67mA (230V AC & Full load)
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
<b>Control interface</b>	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 180-264V 47/63Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1%-100%
Dimming drive mode	AM(amplitude modulation)
<b>Emergency support</b>	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
<b>Environment &amp; Life time</b>	
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	<25dB(30cm, Normal operation)
Environmental protection	RoHS
<b>Certifications and standards</b>	
Certification	CE, ENEC, UKCA, RCM, EL, DALI-2, CCC
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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2)
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, full load and 25°C of ambient temperature.

## Technical data

Product model	BK-DBL050-A1300ADF
<b>Output parameters</b>	
Regulation method	Constant Current
Rated output current range	0.55-1.3A
Rated output voltage range	6-38/40/42VDC
Rated output power	49.4W Max
Output current adjustment	DIP S.W(16 levels)
Output current ripple LF	±2%
Output current accuracy	±2%
Linear regulation	±1%
Load regulation	±2%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.177%, Flicker index(IEEE 1789)=0.000, Pst LM = 0.009, SVM = 0.003, (The above parameters are obtained from testing the panel lights)
<b>Input parameters</b>	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 200-264VDC
Input voltage shock	<380 VAC
Input current	<0.29A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.45C-0.95 (230V AC),DF>0.95 (230V AC & Full load)
Input THD	10% (230V AC & Full load)
Efficiency(typical)	88.5% (230V AC & Full load)
In-rush current	4.125A peak ,174us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.8s(AC start),<0.8s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off )
Switching cycles	> 50,000 switching cycles
Power consumption	Full load(Pin):55.8W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
<b>Safety</b>	
Withstand voltage	I/P-O/P:3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC ,I/P-DALI: 1500V AC, O/P-DALI: 1500V AC.
Mains surge capability	L-N:2KV,L-FG/N-FG:2KV(Performance criterion:A)
Leakage current	0.65mA (230V AC & Full load)
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
<b>Control interface</b>	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 180-264V 47/63Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1%-100%
Dimming drive mode	AM(amplitude modulation)
<b>Emergency support</b>	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
<b>Environment &amp; Life time</b>	
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	<25dB(30cm, Normal operation)
Environmental protection	RoHS
<b>Certifications and standards</b>	
Certification	CE, ENEC, UKCA, RCM, EL, DALI-2, CCC
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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2)
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, full load and 25°C of ambient temperature.

## Technical data

Product model	BK-DBL060-A1650ADF
<b>Output parameters</b>	
Regulation method	Constant Current
Rated output current range	0.9-1.65A
Rated output voltage range	6-38/40/42VDC
Rated output power	62.7W Max
Output current adjustment	DIP S.W.(16 levels)
Output current ripple LF	±2%
Output current accuracy	±2%
Linear regulation	±1%
Load regulation	±2%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.04%, Flicker index(IEEE 1789)=0.000, Pst LM = 0.000, SVM = 0.001, (The above parameters are obtained from testing the panel lights)
<b>Input parameters</b>	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 200-264VDC
Input voltage shock	<380 VAC
Input current	<0.38A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.45C-0.95 (230V AC),DF>0.95 (230V AC & Full load)
Input THD	10% (230V AC & Full load)
Efficiency(typical)	89% (230V AC & Full load)
In-rush current	5.125A peak ,214us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.8s(AC start),<0.8s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off )
Switching cycles	> 50,000 switching cycles
Power consumption	Full load(Pin):70.4W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
<b>Safety</b>	
Withstand voltage	I/P-O/P:3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC ,I/P-DALI: 1500V AC, O/P-DALI: 1500V AC.
Mains surge capability	L-N:2KV,L-FG/N-FG:2KV(Performance criterion:A)
Leakage current	0.68mA (230V AC & Full load)
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
<b>Control interface</b>	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 180-264V 47/63Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1%-100%
Dimming drive mode	AM(amplitude modulation)
<b>Emergency support</b>	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
<b>Environment &amp; Life time</b>	
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	<25dB(30cm, Normal operation)
Environmental protection	RoHS
<b>Certifications and standards</b>	
Certification	CE, ENEC, UKCA, RCM, EL, DALI-2, CCC
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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2)
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, full load and 25°C of ambient temperature.

**Technical data**

Product model	BK-DBL080-A2000ADF
<b>Output parameters</b>	
Regulation method	Constant Current
Rated output current range	1.25-2A
Rated output voltage range	6-40/41/42VDC
Rated output power	80W Max
Output current adjustment	DIP S.W(16 levels)
Output current ripple LF	±2%
Output current accuracy	±2%
Linear regulation	±1%
Load regulation	±2%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.033%, Flicker index(IEEE 1789)=0.000, Pst LM = 0.013, SVM = 0.001, (The above parameters are obtained from testing the panel lights)
<b>Input parameters</b>	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 200-264VDC
Input voltage shock	<380 VAC
Input current	<0.47A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.45C-0.95 (230V AC),DF>0.95 (230V AC & Full load)
Input THD	10% (230V AC & Full load)
Efficiency(typical)	89.5% (230V AC & Full load)
In-rush current	7A peak ,194us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.8s(AC start),<0.8s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off )
Switching cycles	> 50,000 switching cycles
Power consumption	Full load(Pin):89.4W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
<b>Safety</b>	
Withstand voltage	I/P-O/P:3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC ,I/P-DALI: 1500V AC, O/P-DALI: 1500V AC.
Mains surge capability	L-N:2KV,L-FG/N-FG:2KV(Performance criterion:A)
Leakage current	0.64mA (230V AC & Full load)
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
<b>Control interface</b>	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 180-264V 47/63Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1%-100%
Dimming drive mode	AM(amplitude modulation)
<b>Emergency support</b>	
Central emergency system	Supported(dimming normal in DC input)
Self-contained emergency	Supported
<b>Environment &amp; Life time</b>	
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	<25dB(30cm, Normal operation)
Environmental protection	RoHS
<b>Certifications and standards</b>	
Certification	CE, ENEC, UKCA, RCM, EL, DALI-2, CCC
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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2)
EL	Compatible IEC 61347-2- 13 Annex J, compatible with EN 60598-2-22 and EN 50172
RF	N/A

**Remarks**

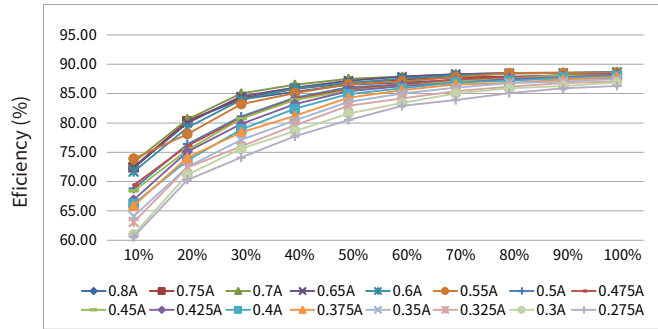
1.By default, all parameter are measured at 230VAC input, full load and 25°C of ambient temperature.



Electrical values

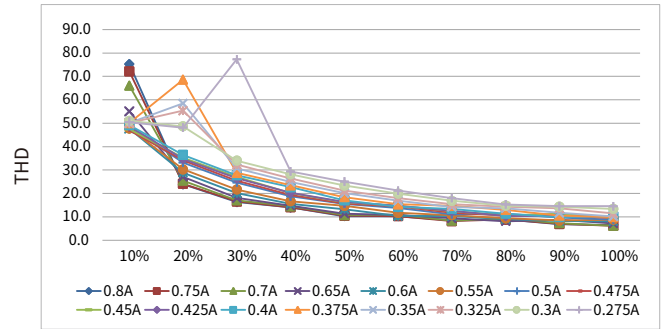
**BK-DBL030-A0800ADF**

Efficiency vs Load



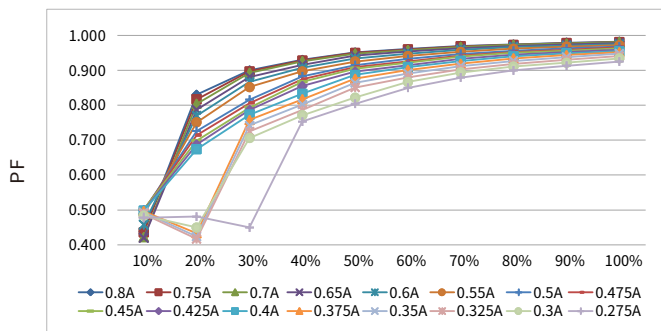
Load(%)

THD vs. Load



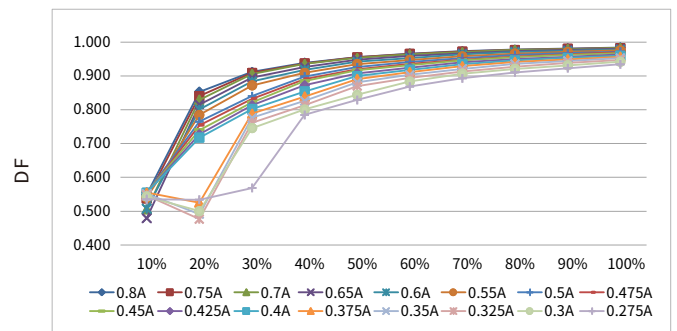
Load(%)

Power factor vs. Load



Load(%)

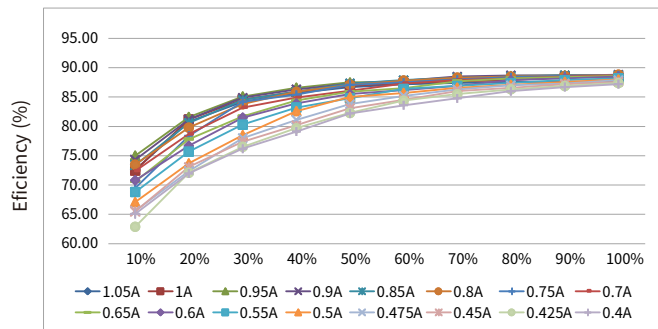
Displacement factor vs. Load



Load(%)

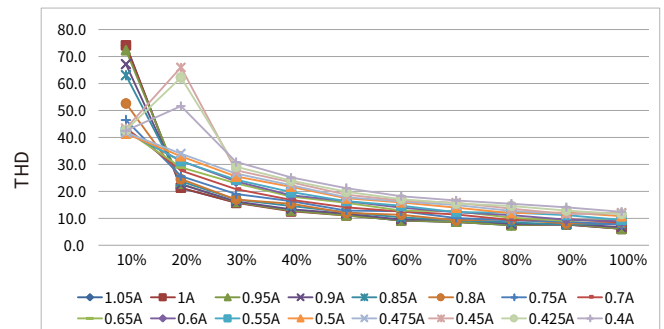
**BK-DBL040-A1050ADF**

Efficiency vs Load



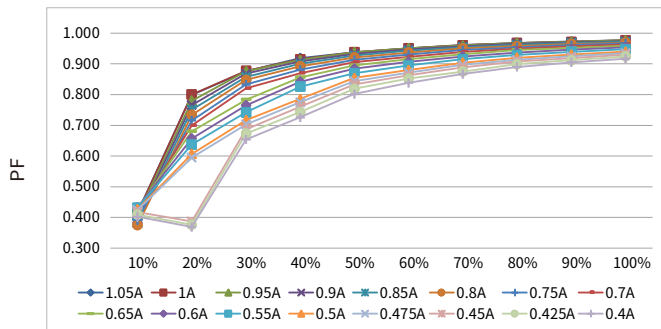
Load(%)

THD vs. Load



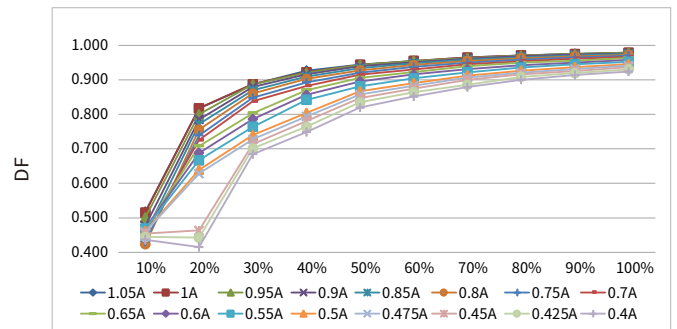
Load(%)

Power factor vs. Load



Load(%)

Displacement factor vs. Load



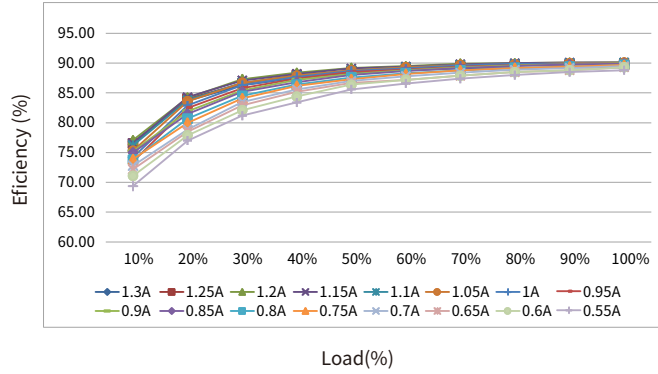
Load(%)



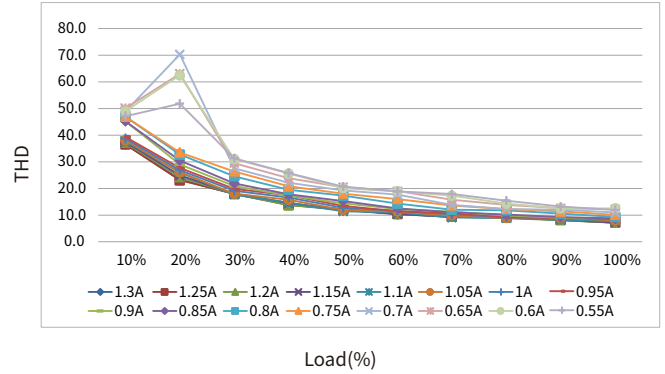
**Electrical values**

**BK-DBL050-A1300ADF**

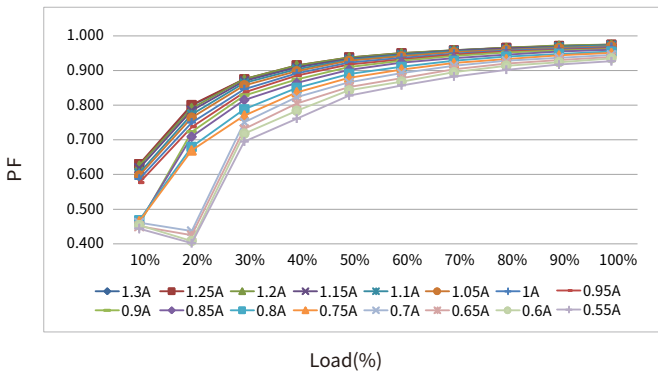
Efficiency vs Load



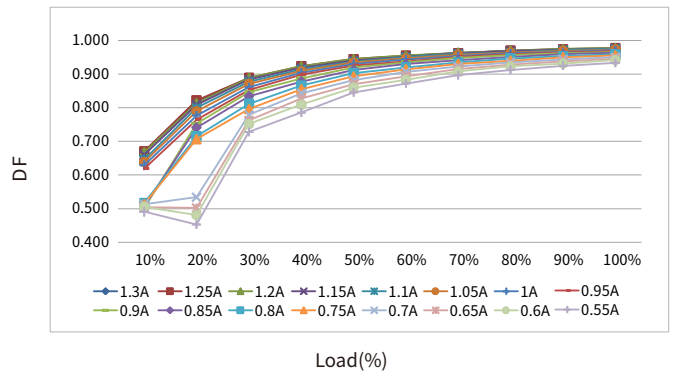
THD vs. Load



Power factor vs. Load

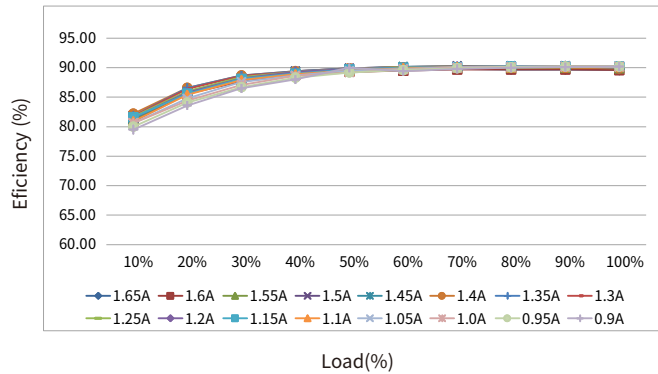


Displacement factor vs. Load

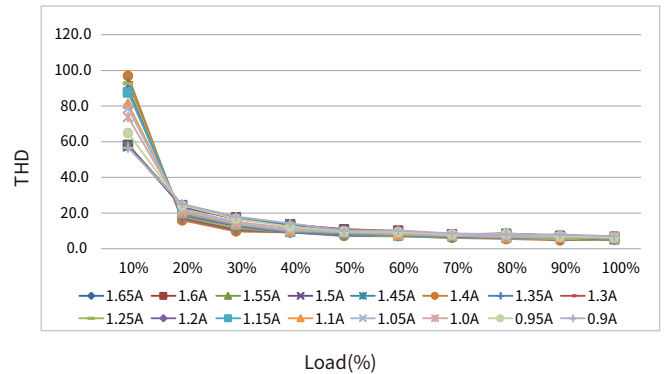


**BK-DBL060-A1650ADF**

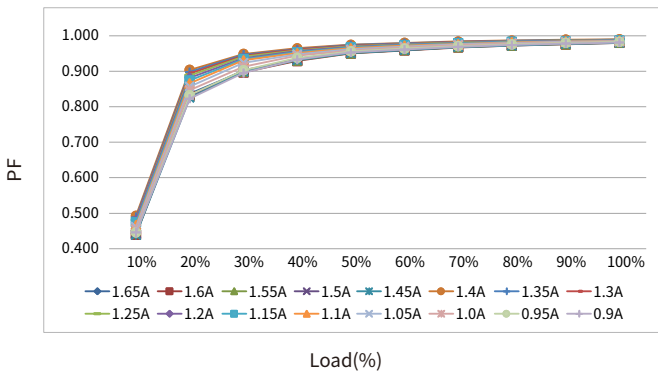
Efficiency vs Load



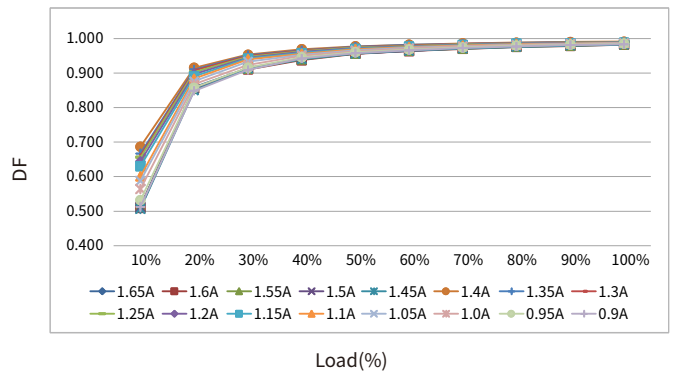
THD vs. Load



Power factor vs. Load



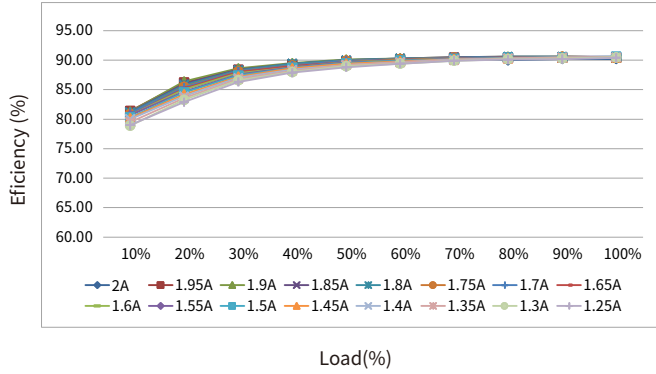
Displacement factor vs. Load



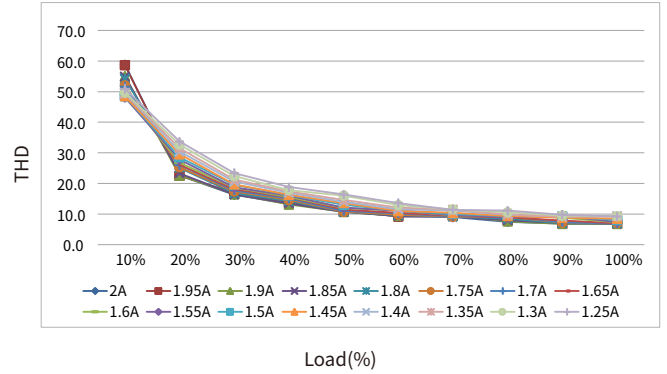
**Electrical values**

**BK-DBL080-A2000ADF**

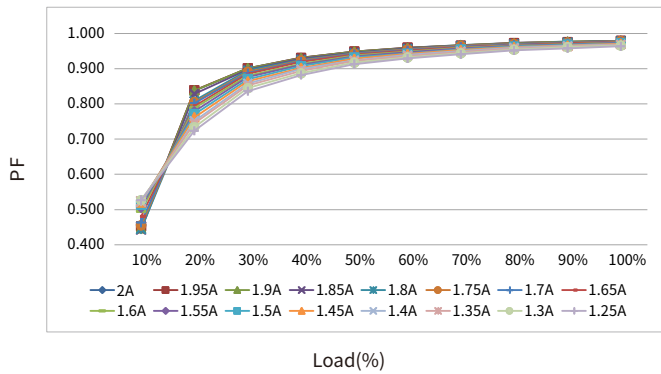
Efficiency vs Load



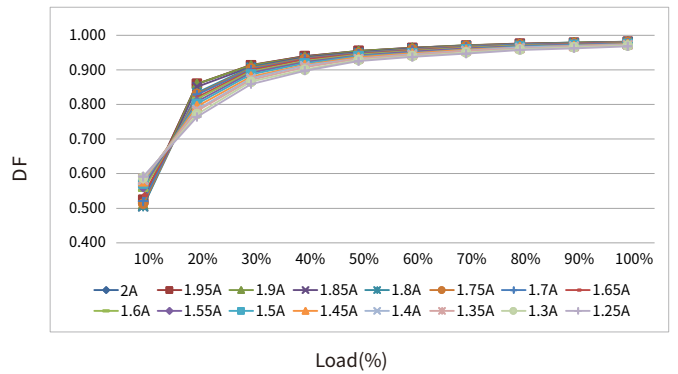
THD vs. Load



Power factor vs. Load



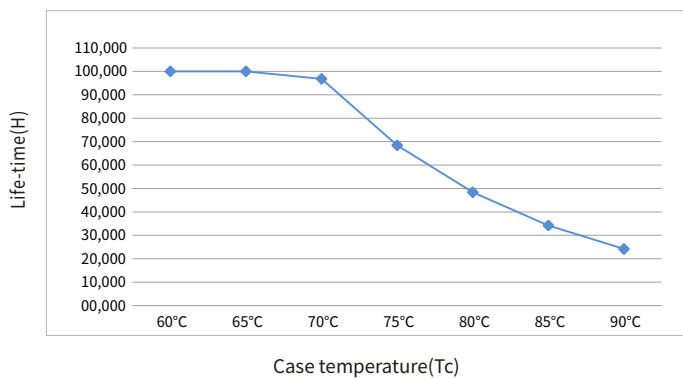
Displacement factor vs. Load



**Expected life-time**

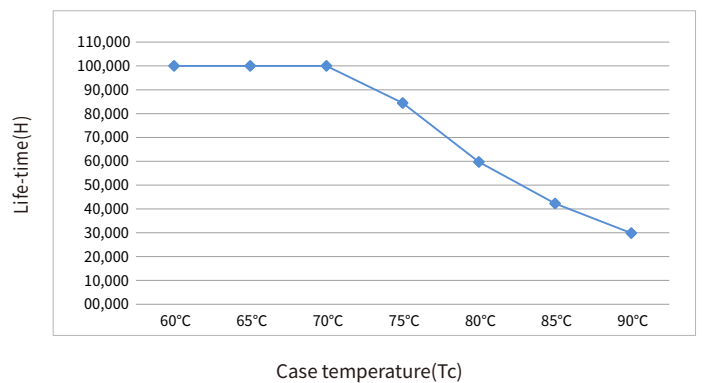
**BK-DBL030-A0800ADF**

Life-time vs. case temperature



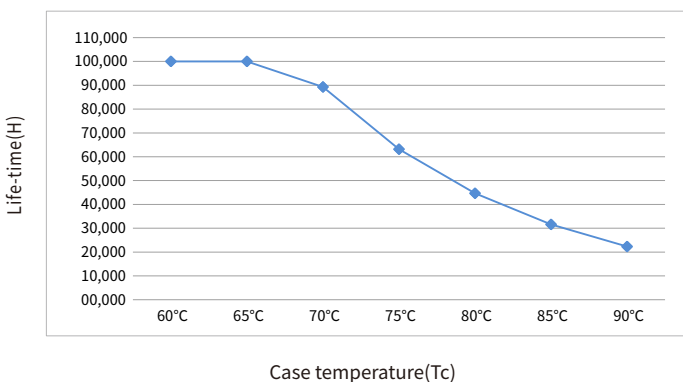
**BK-DBL040-A1050ADF**

Life-time vs. case temperature



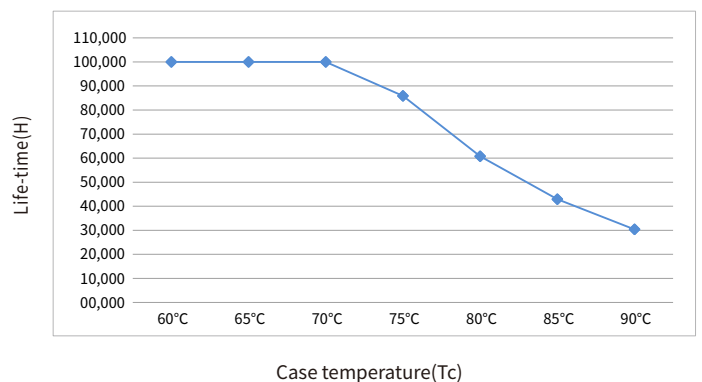
**BK-DBL050-A1300ADF**

Life-time vs. case temperature



**BK-DBL060-A1650ADF**

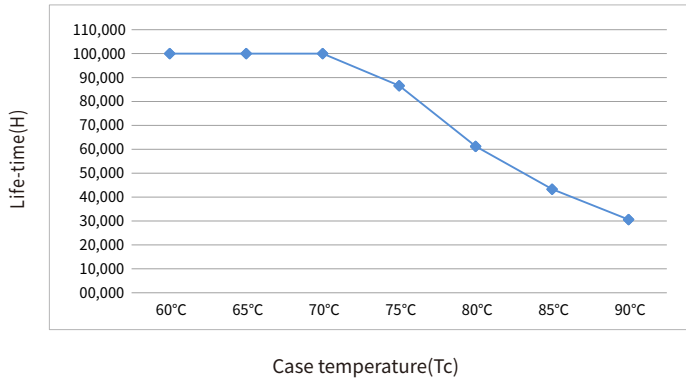
Life-time vs. case temperature



### Expected life-time

#### BK-DBL080-A2000ADF

Life-time vs. case temperature

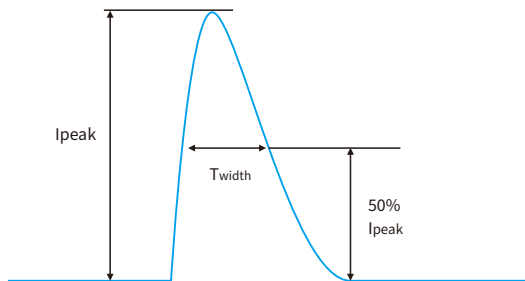


-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

### Surge

Model	Ipeak	Twidth	Condition	Relative number of MCB/pcs														
				B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
BK-DBL030-A0800ADF	3.55A	188us	AC 230V, Full load, Cold start, Ta ≤ 30°C, MCB is not installed side by side	44	57	70	88	110	44	57	70	88	110	44	57	70	88	110
BK-DBL040-A1050ADF	3.75A	190us		33	43	53	66	83	33	43	53	67	83	33	43	53	67	83
BK-DBL050-A1300ADF	4.125A	174us		27	36	44	55	69	27	36	44	55	69	27	36	44	55	69
BK-DBL060-A1650ADF	5.125A	214us		22	28	35	43	54	22	28	35	43	54	22	28	35	43	54
BK-DBL080-A2000ADF	7A	194us		17	22	27	34	43	17	22	27	34	43	17	22	27	34	43



### 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.

### 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 hot plug-in

In the following two cases,the LED driver will automatically turn off the output to protect the LED:

- When the driver is powered on first and the LED is connected later.
- When the driver is powered on,disconnected and conneced again.

The output will be activated again after restart of the LED driver .

### 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.

### Corridor dimming (corridorDIM)

- Please see the "corridorDIM dimming" section.

### 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.

### 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.

### Emergency lighting(EL)

- The driver works normally under DC input.
- When the driver is applied in DC input, the positive pole of the DC cable should be connected to the ACL/DC+ terminal, and the negative pole of the DC cable should be connected to the ACN/DC- terminal. If the connection is reversed, the driver will not be damaged, but it will affect the EL function normal work.
- The output response action after DC input can be set through the EasySet configuration software.

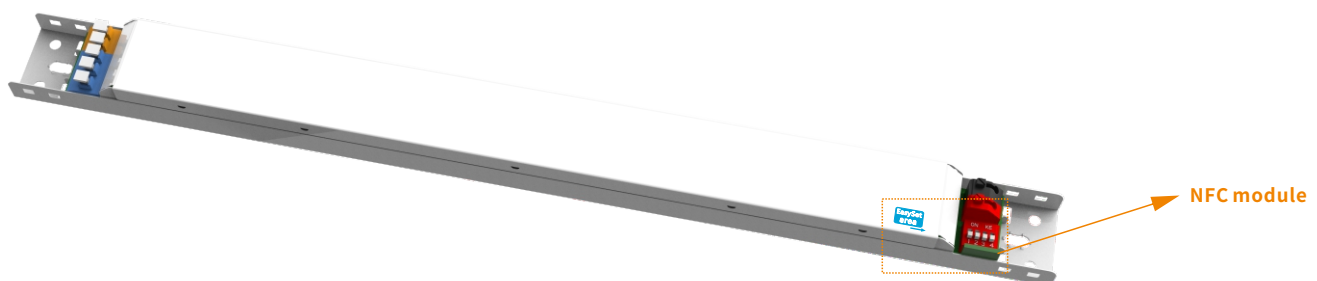
Setting 1 (default): When DC input, the output of the driver remains unchanged, and the dimming function responds normally.

Setting 2: When DC input, the output of the driver jumps to the setting brightness, and the dimming function is invalid.

### Configuration programming(EasySet)

- The programming configuration of the driver is realized using the BOKE EasySet programming suite and through the driver's DALI interface or NFC interface.
- Please see the "Device configuration" section.
- More information about the EasySet programming suite can be found at [www.bokedriver.com](http://www.bokedriver.com).

## EasySet area



### Insulation between circuits

Isolation	Input	Output	Case	DALI	PUSH
Input	-	Double	Basic	Basic	-
Output	Double	-	Basic	Double	Double
Case	Basic	Basic	-	Basic	Basic

### DIP-switch & output current

BK-DBL030-A0800ADF

Prated(w)	Output		1	2	3	4	Dimming depth
	Irated(mA)	Voltage(Vdc)					
11.55	275	6-42	ON	ON	ON	ON	1%
12.60	300	6-42	--	ON	ON	ON	1%
13.65	325	6-42	ON	--	ON	ON	1%
14.70	350	6-42	--	--	ON	ON	1%
15.75	375	6-42	ON	ON	--	ON	1%
16.80	400	6-42	--	ON	--	ON	1%
17.85	425	6-42	ON	ON	--	ON	1%
18.90	450	6-42	--	--	--	ON	1%
19.95	475	6-42	ON	ON	ON	--	1%
21.00	500	6-42	--	ON	ON	--	1%
23.10	550	6-42	ON	--	ON	--	1%
25.20	600	6-42	--	--	ON	--	1%
27.30	650	6-42	ON	ON	--	--	1%
29.40	700	6-42	--	ON	--	--	1%
30.00	750	6-40	ON	--	--	--	1%
30.40	800 ★	6-38	--	--	--	--	1%

BK-DBL040-A1050ADF

Prated(w)	Output		1	2	3	4	Dimming depth
	Irated(mA)	Voltage(Vdc)					
16.80	400	6-42	ON	ON	ON	ON	1%
17.85	425	6-42	--	ON	ON	ON	1%
18.90	450	6-42	ON	--	ON	ON	1%
19.95	475	6-42	--	--	ON	ON	1%
21.00	500	6-42	ON	ON	--	ON	1%
23.10	550	6-42	--	ON	--	ON	1%
25.20	600	6-42	ON	--	--	ON	1%
27.30	650	6-42	--	--	--	ON	1%
29.40	700	6-42	ON	ON	ON	--	1%
31.50	750	6-42	--	ON	ON	--	1%
33.60	800	6-42	ON	--	ON	--	1%
35.70	850	6-42	--	--	ON	--	1%
37.80	900	6-42	ON	ON	--	--	1%
39.90	950	6-42	--	ON	--	--	1%
40.00	1000	6-40	ON	--	--	--	1%
39.90	1050 ★	6-38	--	--	--	--	1%

BK-DBL050-A1300ADF

Prated(w)	Output		1	2	3	4	Dimming depth
	Irated(mA)	Voltage(Vdc)					
23.10	550	6-42	ON	ON	ON	ON	1%
25.20	600	6-42	--	ON	ON	ON	1%
27.30	650	6-42	ON	--	ON	ON	1%
29.40	700	6-42	--	--	ON	ON	1%
31.50	750	6-42	ON	ON	--	ON	1%
33.60	800	6-42	--	ON	--	ON	1%
35.70	850	6-42	ON	--	--	ON	1%
37.80	900	6-42	--	--	--	ON	1%
39.90	950	6-42	ON	ON	ON	--	1%
42.00	1000	6-42	--	ON	ON	--	1%
44.10	1050	6-42	ON	--	ON	--	1%
46.20	1100	6-42	--	--	ON	--	1%
48.30	1150	6-42	ON	ON	--	--	1%
50.40	1200	6-42	--	ON	--	--	1%
50.00	1250	6-40	ON	--	--	--	1%
49.40	1300 ★	6-38	--	--	--	--	1%

BK-DBL060-A1650ADF

Prated(w)	Output		1	2	3	4	Dimming depth
	Irated(mA)	Voltage(Vdc)					
37.80	900	6-42	ON	ON	ON	ON	1%
39.90	950	6-42	--	ON	ON	ON	1%
42.00	1000	6-42	ON	--	ON	ON	1%
44.10	1050	6-42	--	--	ON	ON	1%
46.20	1100	6-42	ON	ON	--	ON	1%
48.30	1150	6-42	--	ON	--	ON	1%
50.40	1200	6-42	ON	--	--	ON	1%
52.50	1250	6-42	--	--	--	ON	1%
54.60	1300	6-42	ON	ON	ON	--	1%
56.70	1350	6-42	--	ON	ON	--	1%
58.80	1400	6-42	ON	--	ON	--	1%
60.90	1450	6-42	--	--	ON	--	1%
63.00	1500	6-42	ON	ON	--	--	1%
62.00	1550	6-40	--	ON	--	--	1%
60.80	1600	6-38	ON	--	--	--	1%
59.40	1650 ★	6-38	--	--	--	--	1%

BK-DBL080-A2000ADF

Prated(w)	Output		1	2	3	4	Dimming depth
	Irated(mA)	Voltage(Vdc)					
52.50	1250	6-42	ON	ON	ON	ON	1%
54.60	1300	6-42	--	ON	ON	ON	1%
56.70	1350	6-42	ON	--	ON	ON	1%
58.80	1400	6-42	--	--	ON	ON	1%
60.90	1450	6-42	ON	ON	--	ON	1%
63.00	1500	6-42	--	ON	--	ON	1%
65.10	1550	6-42	ON	--	--	ON	1%
67.20	1600	6-42	--	--	--	ON	1%
69.30	1650	6-42	ON	ON	ON	--	1%
71.40	1700	6-42	--	ON	ON	--	1%
73.50	1750	6-42	ON	--	ON	--	1%
75.60	1800	6-42	--	--	ON	--	1%
77.70	1850	6-42	ON	ON	--	--	1%
79.80	1900	6-42	--	ON	--	--	1%
80.00	1950	6-41	ON	--	--	--	1%
80.00	2000 ★	6-40	--	--	--	--	1%

#### Remarks:

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

**Label**

**INPUT**  
 ○ ACL/DC+  
 ○ ACN/DC-  
 ○ DA  
 ○ DA  
 ○ DA

**BOKE**  
 Dimmable Constant Current LED Driver  
 MODEL: BK-DBL040-A080ADF  
 INPUT: 200-240V  $\approx$  0.50/60Hz 0.19A Max.  $\lambda$ : 0.45C-0.95  
 OUTPUT: 6-38V  $\approx$  800mA 30.4W Max.  
 Other ratings see below sheet  
 BOKE Drivers Co., Ltd.  
 www.bokedriver.com  
 MADE IN CHINA

CE UK CA CLO EL SELV EasySet FREE RoHS

Switching selection sheet		Switch			
Output	Switch	1	2	3	4
11.5V 210	6-42	ON	ON	ON	ON
15.8V 200	6-42	ON	ON	ON	ON
11.5V 330	6-42	ON	ON	ON	ON
15.7V 310	6-42	ON	ON	ON	ON
15.8V 400	6-42	ON	ON	ON	ON
17.8V 420	6-42	ON	ON	ON	ON
18.9V 400	6-42	ON	ON	ON	ON
20.9V 410	6-42	ON	ON	ON	ON
21.0V 500	6-42	ON	ON	ON	ON

**OUTPUT**  
 LED-  
 LED+  
 8-5.1mm  
 EasySet area

**INPUT**  
 ○ ACL/DC+  
 ○ ACN/DC-  
 ○ DA  
 ○ DA  
 ○ DA

**BOKE**  
 Dimmable Constant Current LED Driver  
 MODEL: BK-DBL040-A1050ADF  
 INPUT: 200-240V  $\approx$  0.50/60Hz 0.24A Max.  $\lambda$ : 0.45C-0.95  
 OUTPUT: 6-38V  $\approx$  1050mA 39.9W Max.  
 Other ratings see below sheet  
 BOKE Drivers Co., Ltd.  
 www.bokedriver.com  
 MADE IN CHINA

CE UK CA CLO EL SELV EasySet FREE RoHS

Switching selection sheet		Switch			
Output	Switch	1	2	3	4
11.5V 400	6-42	ON	ON	ON	ON
15.8V 400	6-42	ON	ON	ON	ON
11.5V 500	6-42	ON	ON	ON	ON
15.7V 500	6-42	ON	ON	ON	ON
15.8V 600	6-42	ON	ON	ON	ON
17.8V 620	6-42	ON	ON	ON	ON
18.9V 600	6-42	ON	ON	ON	ON
20.9V 610	6-42	ON	ON	ON	ON
21.0V 700	6-42	ON	ON	ON	ON

**OUTPUT**  
 LED-  
 LED+  
 8-5.1mm  
 EasySet area

**INPUT**  
 ○ ACL/DC+  
 ○ ACN/DC-  
 ○ DA  
 ○ DA  
 ○ DA

**BOKE**  
 Dimmable Constant Current LED Driver  
 MODEL: BK-DBL050-A1300ADF  
 INPUT: 200-240V  $\approx$  0.50/60Hz 0.29A Max.  $\lambda$ : 0.45C-0.95  
 OUTPUT: 6-38V  $\approx$  1300mA 49.4W Max.  
 Other ratings see below sheet  
 BOKE Drivers Co., Ltd.  
 www.bokedriver.com  
 MADE IN CHINA

CE UK CA CLO EL SELV EasySet FREE RoHS

Switching selection sheet		Switch			
Output	Switch	1	2	3	4
11.5V 500	6-42	ON	ON	ON	ON
15.8V 500	6-42	ON	ON	ON	ON
11.5V 600	6-42	ON	ON	ON	ON
15.7V 600	6-42	ON	ON	ON	ON
15.8V 700	6-42	ON	ON	ON	ON
17.8V 720	6-42	ON	ON	ON	ON
18.9V 700	6-42	ON	ON	ON	ON
20.9V 710	6-42	ON	ON	ON	ON
21.0V 800	6-42	ON	ON	ON	ON

**OUTPUT**  
 LED-  
 LED+  
 8-5.1mm  
 EasySet area

**INPUT**  
 ○ ACL/DC+  
 ○ ACN/DC-  
 ○ DA  
 ○ DA  
 ○ DA

**BOKE**  
 Dimmable Constant Current LED Driver  
 MODEL: BK-DBL050-A1650ADF  
 INPUT: 200-240V  $\approx$  0.50/60Hz 0.38A Max.  $\lambda$ : 0.45C-0.95  
 OUTPUT: 6-38V  $\approx$  1650mA 62.7W Max.  
 Other ratings see below sheet  
 BOKE Drivers Co., Ltd.  
 www.bokedriver.com  
 MADE IN CHINA

CE UK CA CLO EL SELV EasySet FREE RoHS

Switching selection sheet		Switch			
Output	Switch	1	2	3	4
11.5V 600	6-42	ON	ON	ON	ON
15.8V 600	6-42	ON	ON	ON	ON
11.5V 700	6-42	ON	ON	ON	ON
15.7V 700	6-42	ON	ON	ON	ON
15.8V 800	6-42	ON	ON	ON	ON
17.8V 820	6-42	ON	ON	ON	ON
18.9V 800	6-42	ON	ON	ON	ON
20.9V 810	6-42	ON	ON	ON	ON
21.0V 900	6-42	ON	ON	ON	ON

**OUTPUT**  
 LED-  
 LED+  
 8-5.1mm  
 EasySet area

**INPUT**  
 ○ ACL/DC+  
 ○ ACN/DC-  
 ○ DA  
 ○ DA  
 ○ DA

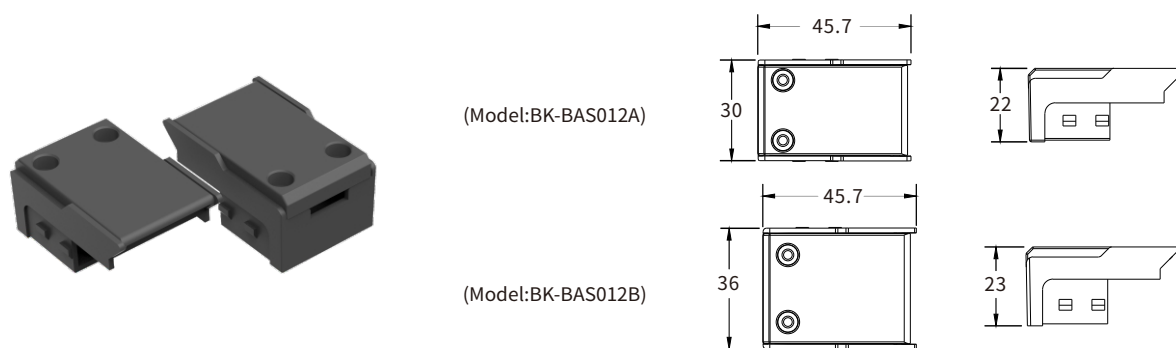
**BOKE**  
 Dimmable Constant Current LED Driver  
 MODEL: BK-DBL080-A2000ADF  
 INPUT: 200-240V  $\approx$  0.50/60Hz 0.84A Max.  $\lambda$ : 0.45C-0.95  
 OUTPUT: 6-40V  $\approx$  2000mA 80W Max.  
 Other ratings see below sheet  
 BOKE Drivers Co., Ltd.  
 www.bokedriver.com  
 MADE IN CHINA

CE UK CA CLO EL SELV EasySet FREE RoHS

Switching selection sheet		Switch			
Output	Switch	1	2	3	4
11.5V 700	6-42	ON	ON	ON	ON
15.8V 700	6-42	ON	ON	ON	ON
11.5V 800	6-42	ON	ON	ON	ON
15.7V 800	6-42	ON	ON	ON	ON
15.8V 900	6-42	ON	ON	ON	ON
17.8V 920	6-42	ON	ON	ON	ON
18.9V 900	6-42	ON	ON	ON	ON
20.9V 910	6-42	ON	ON	ON	ON
21.0V 1000	6-42	ON	ON	ON	ON

**OUTPUT**  
 LED-  
 LED+  
 8-5.1mm  
 EasySet area

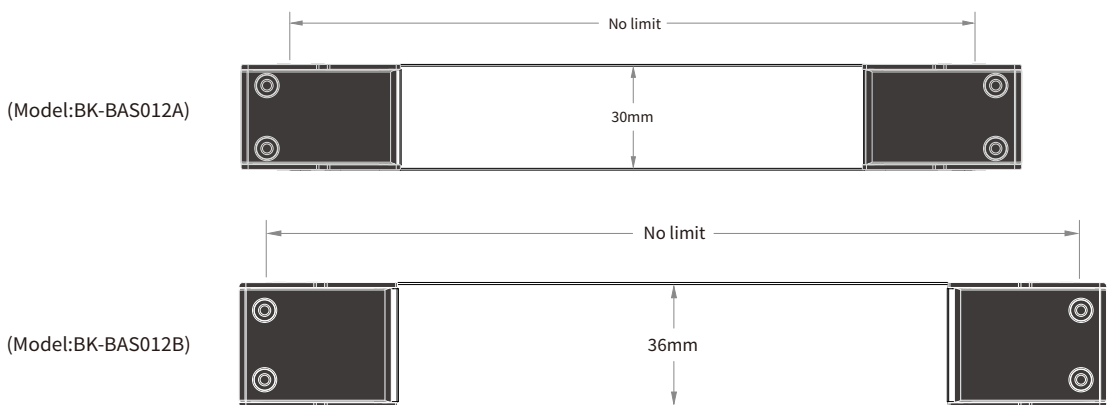
**Optional accessories**



Remark: BK-BAS012A apply to DBL030-A, DBL040-A, DBL050-A, DBL060-A  
 BK-BAS012B apply to DBL080-A

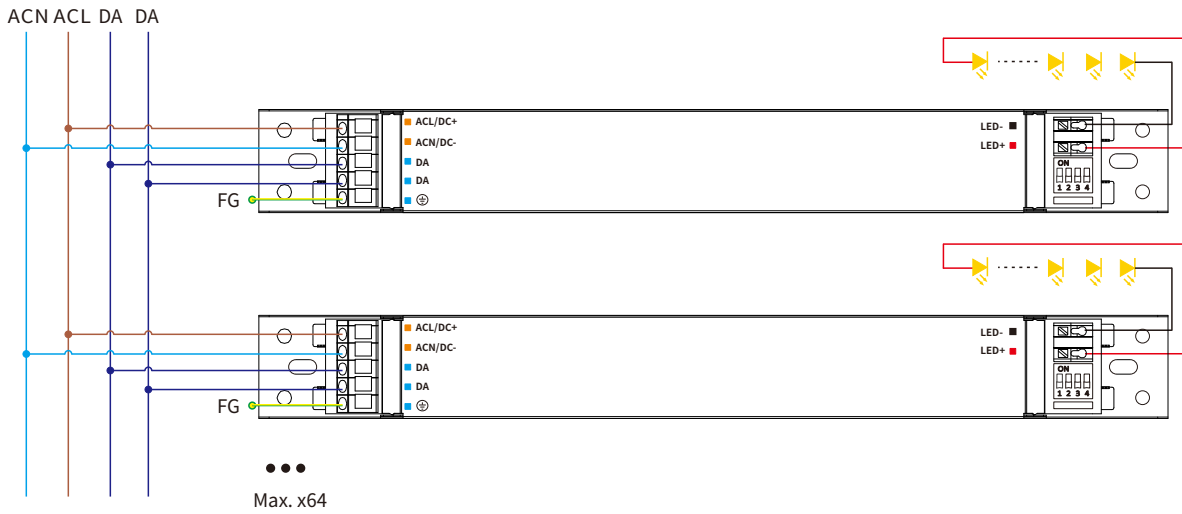
Unit:mm

**Installation diagram of accessories**



## 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

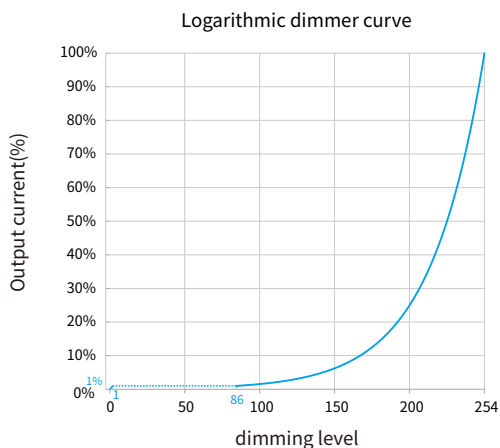
#### Power-on level :

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

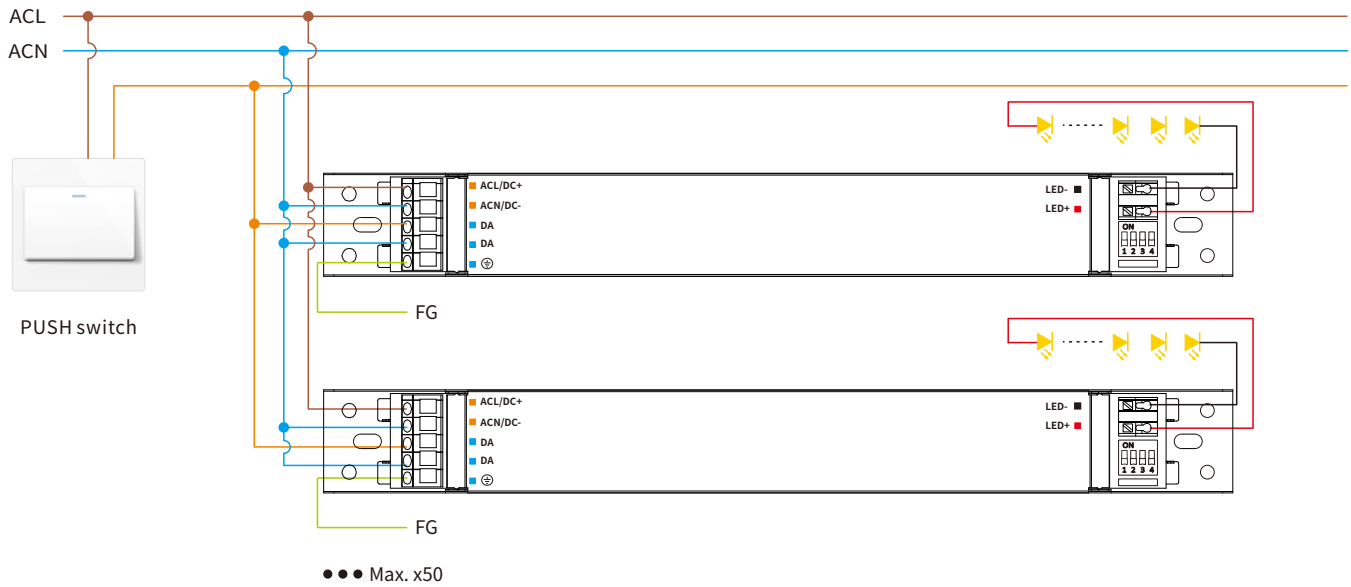


Remarks: The dimming curve can be selected by DALI configuration. The default is logarithmic dimming curve.



**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 , then long press(>1s) the pushbutton 1 time,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.

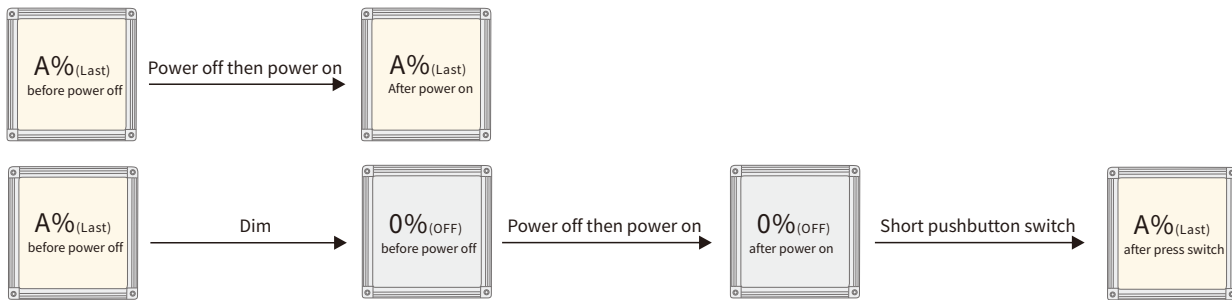
Turn on or turn off:short press pushbutton for 0.2-1s.

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.

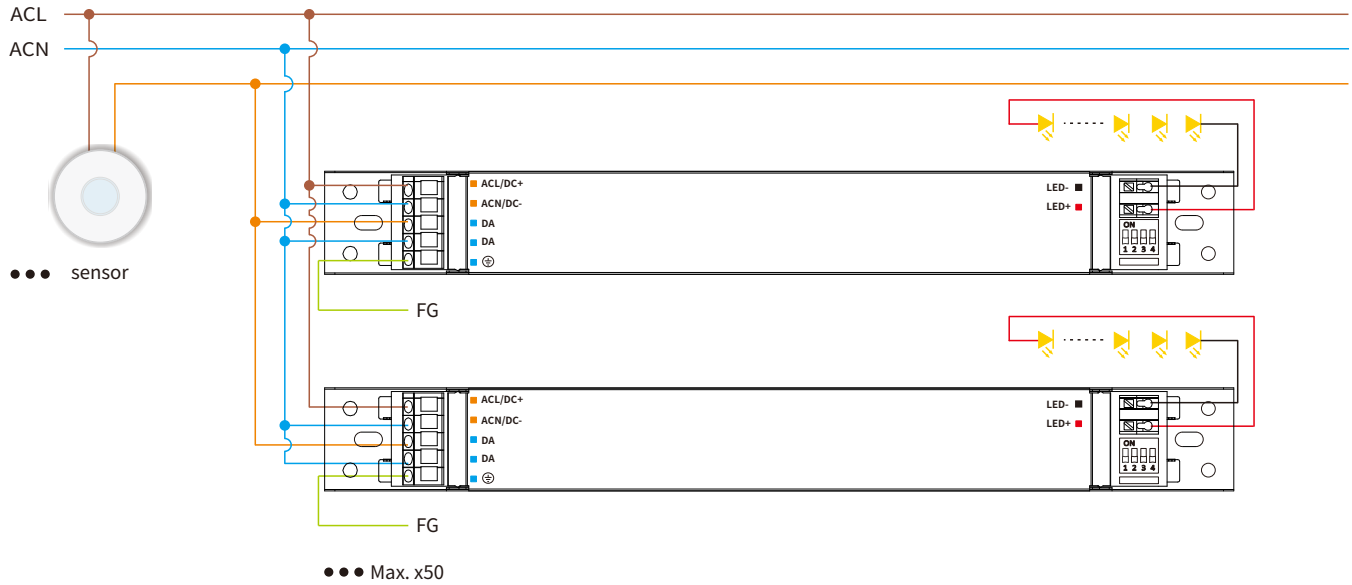
Step 3:long press the pushbutton,confirm each light is from darkest to brightest and all the lights are synchronous.

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

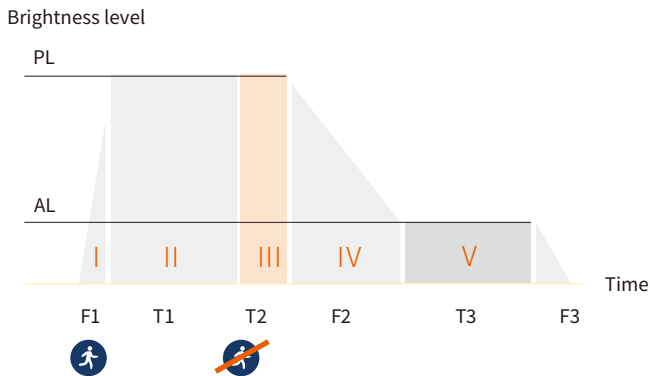
After installation according to the wiring diagram of the corridorDIM dimming application, first replace the sensor with a normal switch, and then turn on the normal switch for 5 minutes, and the driver will automatically switch to corridorDIM dimming mode, then remove the normal switch and replace it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

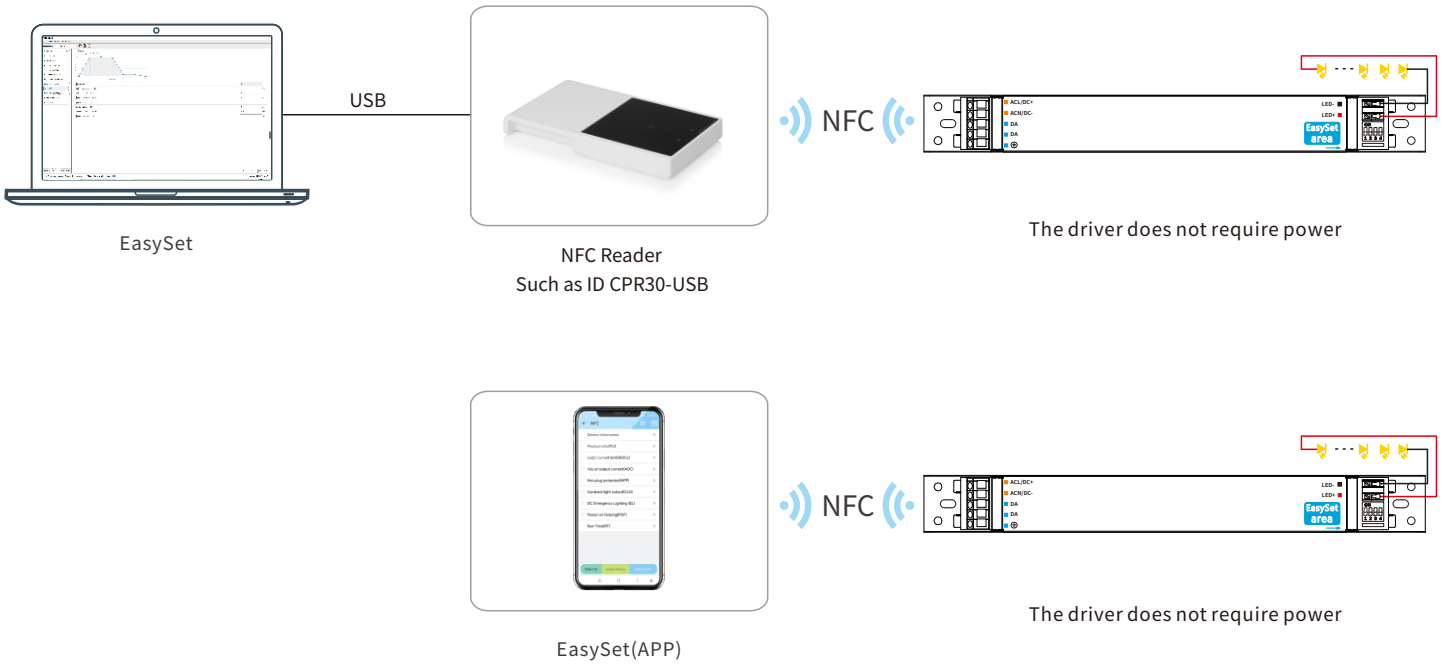


Name	Symbol	Factory setting	Settable range
Fade-in time	F1	1s	0-100s
Presence level	PL	100%	0-100%
Hold-on time	T1	By sensor setting	
Run-on time	T2	180s	0-60000s
Fade-out time	F2	5s	0-100s
Absence level	AL	10%	0-100%
Stand-by Time	T3	unlimited	0-59999s,60000s(unlimited)
Fade-off time	F3	0s	0-100s

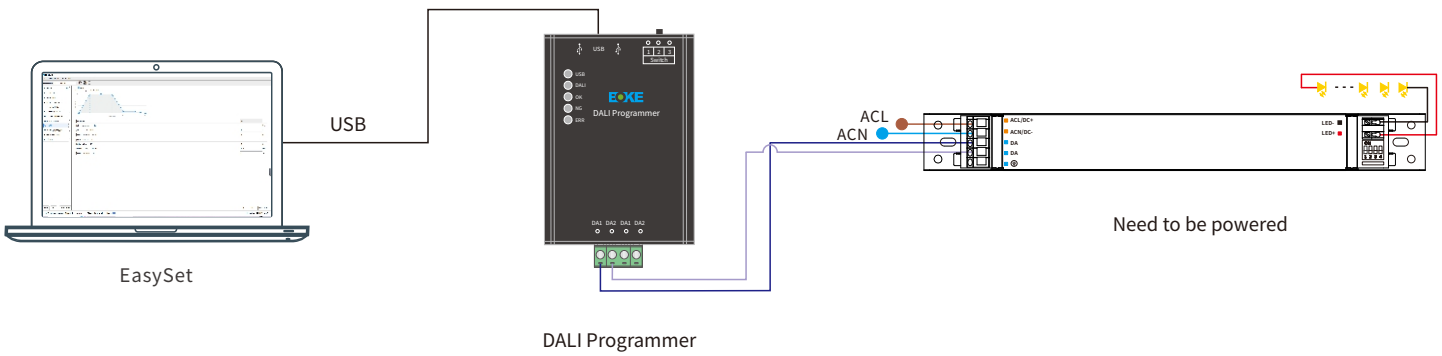
- The parameters of corridorDIM can be set through the configuration tool.
- corridorDIM is not activated by default.

**Device configuration**

**Optional 1:**



**Optional 2:**



**Software download(PC&mobile)**



Note: PC supports Windows 7/Windows 10/Windows 11 32bit/64bit;  
The phone needs to have NFC function

## Device configuration

### Configure tools and software

Type	Name	Brand	Name	Minimum version
Programmer	NFC programmer	FEIG	CPR30-USB	V1.0.0
	DALI programmer	BOKE	BK-CS01-SDL	V1.0.0
Software	PC Software	BOKE	BOKE EasySet	V1.0.0
	APP	BOKE	BOKE EasySet	V1.0.0

### Parameters configure

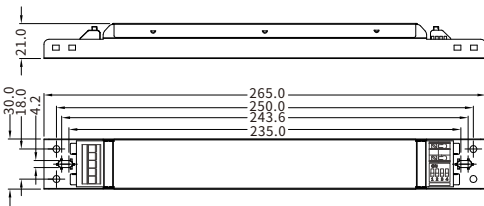
Configuration items	Factory settings	Parameter configuration	Read/Wirte
Product information	-	NO	Read Only
Adjustable output current(AOC)	Activated	YES	Read/Wirte
PUSH dimming function(pushDIM)	Activated	YES	Read/Wirte
Corridor dimming(corridorDIM)	Activated	YES	Read/Wirte
Emergency lighting(EL)	Activated(setting 1)	YES	Read/Wirte
Constant light output function(CLO)	Deactivated	YES	Read/Wirte
Hot plug-in protection(HPP)	Activated	YES	Read/Wirte
Running time		NO	Read Only
Other parameters		YES	

**Mechanical Specification**

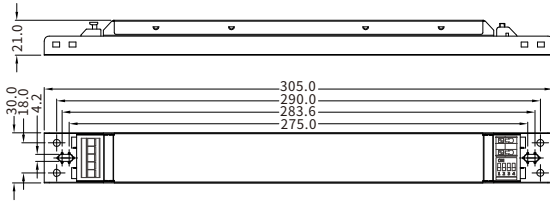
Size(Excluding accessories)

Unit:mm

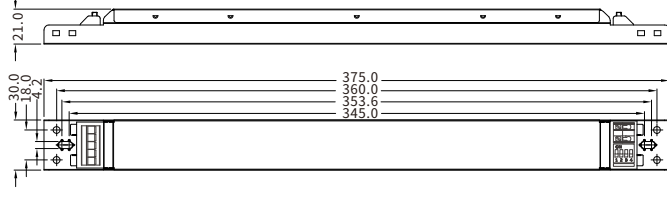
DBL030-A



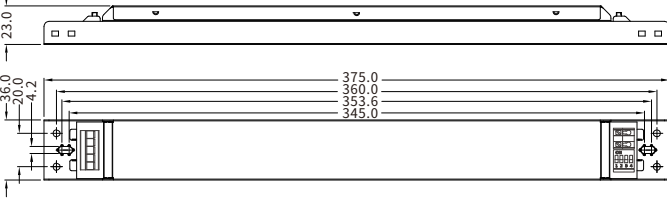
DBL040-A/DBL050-A



DBL060-A



DBL080-A

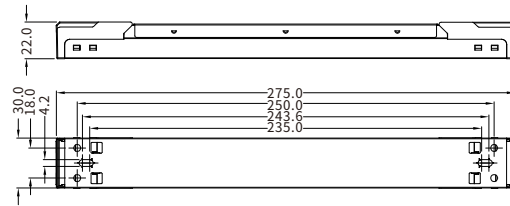


**Mechanical Specification**

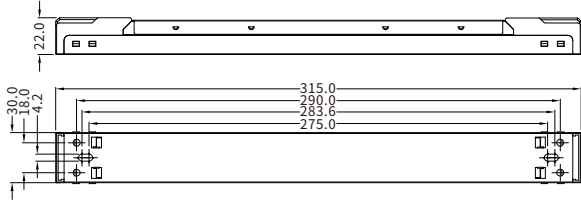
Size(Include accessories)

Unit:mm

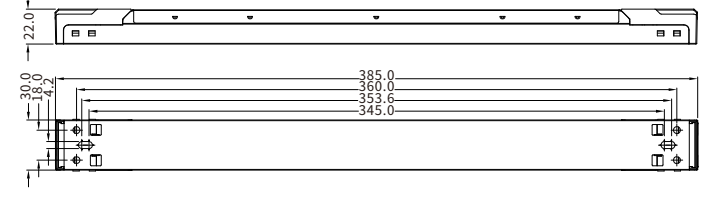
DBL030-A



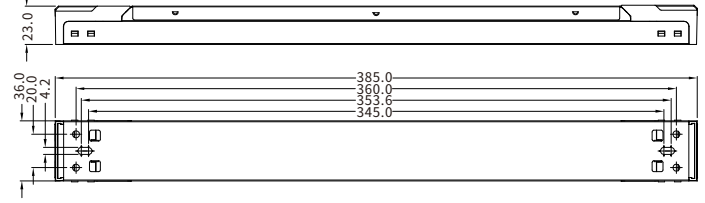
DBL040-A/DBL050-A



DBL060-A



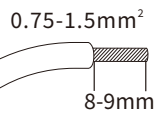
DBL080-A



**INPUT**

Pin Numbering	function	colour
1	ACL/DC+	orange
2	ACN/DC-	orange
3	DA	blue
4	DA	blue
5	FG	blue

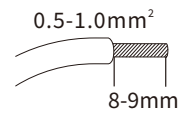
**Input wire**



**OUTPUT**

Pin Numbering	function	colour
1	LED-	black
2	NC	black
3	LED+	red

**Output wire**



**Installation note**

**Hot plug-in**

- 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.
- This can be done via mains reset or via interface (DALI,pushDIM).

**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.

**Mounting screw specifications and torque**

- Max. torque at the clamping screw: 0.5 Nm / M4

**Replace LED module**

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

**Installation requirements**

- The driver should be installed in a dry, acid-free, oil-free, fat-free environment.
- The installation ambient temperature of the drive shall not exceed the value of Ta at any time.
- The temperature of the mounting surface of the driver should be lower than 40°C
- 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.

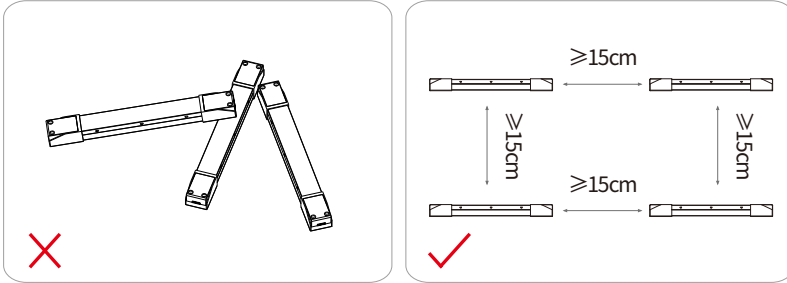


Figure 1

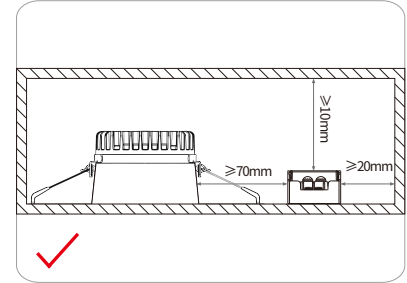
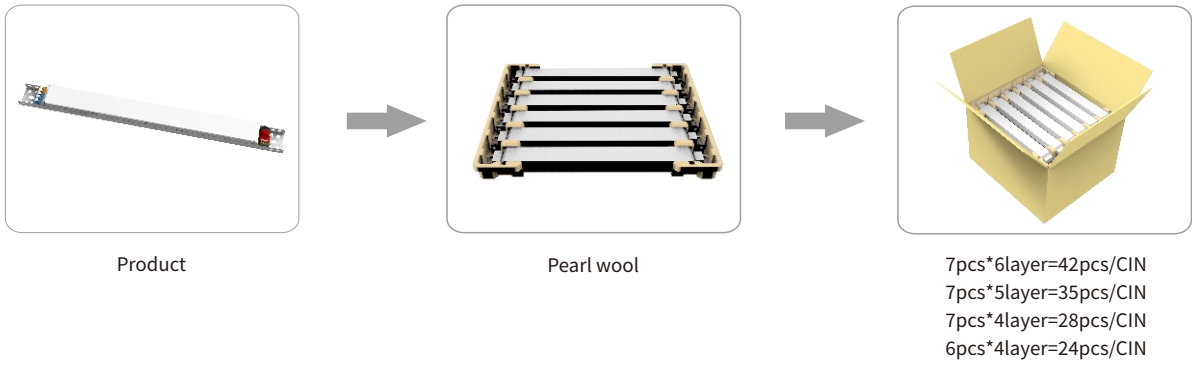


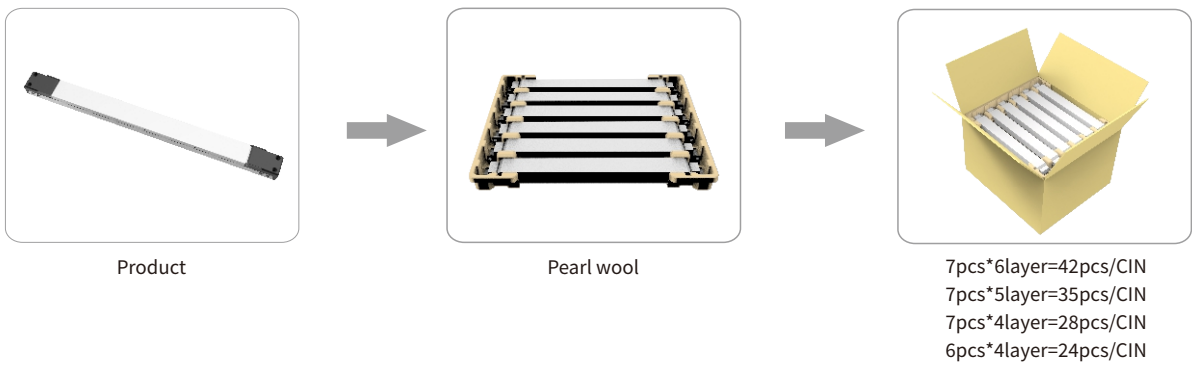
Figure 2

**Packaging(Excluding accessories)**



Model	Product size	Weight	Pearl wool	Carton size	Qty/carton	N.W	G.W
DBL030-A	L265*W30*H21mm	167g	L340*W75*H29mm	L355*W305*H205mm	42pcs	7.01KG	8.57KG
DBL040-A	L305*W30*H21mm	209g	L340*W75*H29mm	L355*W345*H170mm	35pcs	7.32KG	8.83KG
DBL050-A	L305*W30*H21mm	221g	L340*W75*H29mm	L355*W345*H170mm	35pcs	7.74KG	9.12KG
DBL060-A	L375*W30*H21mm	282g	L340*W75*H29mm	L415*W355*H140mm	28pcs	7.90KG	9.18KG
DBL080-A	L375*W36*H23mm	376g	L340*W75*H33mm	L415*W355*H160mm	24pcs	9.02KG	10.1KG

**Packaging(Include accessories)**



Model	Product size	Weight	Pearl wool	Carton size	Qty/carton	N.W	G.W
DBL030-A	L275*W30*H22mm	182g	L340*W75*H29mm	L355*W315*H205mm	42pcs	7.64KG	8.97KG
DBL040-A	L315*W30*H22mm	224g	L340*W75*H29mm	L355*W355*H170mm	35pcs	7.84KG	9.13KG
DBL050-A	L315*W30*H22mm	236g	L340*W75*H29mm	L355*W355*H170mm	35pcs	8.26KG	9.72KG
DBL060-A	L385*W30*H22mm	297g	L340*W75*H29mm	L425*W355*H140mm	28pcs	8.32KG	9.58KG
DBL080-A	L385*W36*H23mm	396g	L340*W75*H33mm	L425*W355*H160mm	24pcs	9.50KG	10.8KG

**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](mailto:info@bokedriver.com).