

Constant voltage linear dimming color temperature driver

DCV Series suffix D(DALI-2+pushDIM+pushCCT)



Features

- Support DALI-2+pushDIM+pushCCT control
- 2 channels of constant voltage output, at the tinting temperature, the output channel power is complementary, and the total output power remains unchanged
- Soft dimming and flicker-free at any brightness, meets the new requirements of ErP certification
- Dimming range 1~100%, support multiple lights dimming
- 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
- Compliance with CE, ENEC, UKCA, RCM, DALI-2 and other certifications
- IP20 protection grade, indoor use
- Nominal life-time up to 100,000 h
- 5.5-year guarantee

Interfaces

- DALI-2(DALI-2 DT8)
- PUSH(pushDIM)
- PUSH(pushCCT)

Functions

- PUSH dimming (pushDIM) and PUSH color temperature (pushCCT) with memory
- Support central emergency application (Normal dimming and color temperature in DC input)
- Support self-contained emergency application
- Protective features (short-circuit, overload protection)

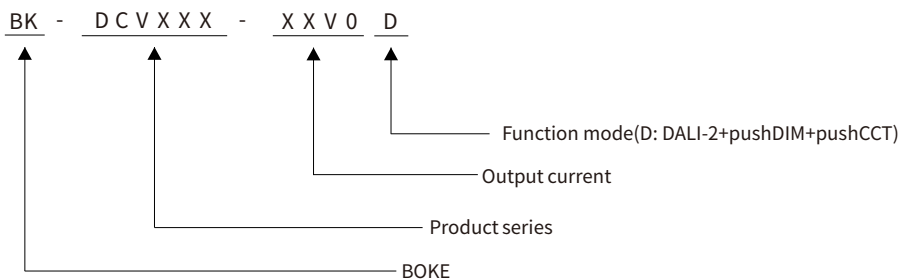
Suitable for lights

- Suitable for CV strip lights, CV linear lights, floor lights, tri-proof lights, bracket light, etc

Typical applications

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

Model coding rules of DCV series



Function list

Model	Suffix	Wired dimming		
		DALI-2	pushDIM	pushCCT
BK-DCV080 BK-DCV150 BK-DCV200	D	√	√	√

Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension
BK-DCV080-24V0D	200-240VAC/DC	81.6W MAX.	24VDC	3.4A	L241.5*W48*H30mm
BK-DCV150-24V0D	200-240VAC/DC	150W MAX.	24VDC	6.25A	L281.5*W48*H30mm
BK-DCV200-24V0D	200-240VAC/DC	199.2W MAX.	24VDC	8.3A	L321.5*W48*H30mm

Technical data

Product model	BK-DCV080-24V0D	
Output parameters		
Regulation method	Constant voltage	
Rated output current	3.4A	
Rated output voltage	24V	
Rated output power	81.6W Max	
Output voltage adjustment	Fixed output	
Output current ripple LF	±2%	
Voltage accuracy	±5%	
Linear regulation	±5%	
Load regulation	±5%	
Flicker-free(typ.)	Pst LM=0.008, SVM=0.017,(The above parameters are obtained by testing with constant voltage light strip)	
Input parameters		
Rated input voltage range	200-240VAC 200-240VDC	
Input voltage range	180-264VAC 180-264VDC	
Input vottage shock	<380 V AC	
Input current	<0.48A (Rated input voltage)	
Input frequency	0/50/60Hz	
Input PF/Input DF(typ.)	PF:0.99 ,DF:0.99,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.)	23.3A peak ,350us duration(50 % Ipeak), see the description below for details	
Start/Switchover/Turn off	<0.7s(AC start),<0.7s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off)	
Switching cycles	> 100,000 switching cycles	
Power consumption(typ.)	Full load(Pin):89W, 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):3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC,I/P-DALI: 1500VAC,O/P-DALI: 1500VAC	
Mains surge capability	L-N:2KV,L-FG/N-FG:2KV(90°/270° , 5 times each with an interval of 60s)(Performance criterion:B)	
Leakage current(typ.)	0.45mA	
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH	
Control interface		
DALI dimming port	Voltage range: DC9.5-22.5V, typical 16V, interface current consumption: 1.8mA	
pushDIM dimming port	Voltage range: AC180-264V 50/60Hz	
1-10V 3in1 dimming port	N/A	
Auxiliary power supply	N/A	
Dimming range	1-100%	
Dimming drive mode	H-PWM	
Emergency support		
Central emergency system	Supported(Normal dimming and color temperature in DC input)	
Self-contained emergency	Supported	
Environment & Life time		
Operating temperature	Ta=-20-55°C	
Case temperature	Tc=90°C	
Operating humidity	5-85% RH, not condensing	
Storage temp./humidity	-40-80°C, 5-85% RH, not 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	CE, ENEC, UKCA, RCM, DALI-2, 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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2), IEC 62386-209(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, 50Hz, full load and 25°C of ambient temperature.
- 2.The LED lamp load is a constant-voltage load.

Technical data

Product model	BK-DCV150-24V0D
Output parameters	
Regulation method	Constant voltage
Rated output current	6.25A
Rated output voltage	24V
Rated output power	150W Max
Output voltage adjustment	Fixed output
Output current ripple LF	±2%
Voltage accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
Flicker-free(typ.)	Pst LM=0.006, SVM=0.668,(The above parameters are obtained by testing with constant voltage light strip)
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	<0.9A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF:0.99, DF:0.99, see the electrical values below for details
Input THD(typ.)	5%, see the electrical values below for details
Efficiency(typ.)	90.5%, see the electrical values below for details
In-rush current(typ.)	42.5A peak, 482us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.7s(AC start), <0.7s(DC start), <0.3s(AC/DC switchover), <0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):166W, 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):3750VAC, I/P-FG:1750VAC, O/P-FG:500VAC, I/P-DALI: 1500VAC, O/P-DALI: 1500VAC
Mains surge capability	L-N:2KV, L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:B)
Leakage current(typ.)	0.35mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
Control interface	
DALI dimming port	Voltage range: DC9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: AC180-264V 50/60Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1-100%
Dimming drive mode	H-PWM
Emergency support	
Central emergency system	Supported(Normal dimming and color temperature in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-55°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, not condensing
Storage temp./humidity	-40-80°C, 5-85% RH, not 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	CE, ENEC, UKCA, RCM, DALI-2, 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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2), IEC 62386-209(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, 50Hz, full load and 25°C of ambient temperature.
- 2.The LED lamp load is a constant-voltage load.

Technical data

Product model	BK-DCV200-24V0D
Output parameters	
Regulation method	Constant voltage
Rated output current	8.3A
Rated output voltage	24VDC
Rated output power	199.2W Max
Output voltage adjustment	Fixed output
Output current ripple LF	±2%
Voltage accuracy	±4%
Linear regulation	±4%
Load regulation	±4%
Flicker-free(typ.)	Pst LM=0.000, SVM=0.737,(The above parameters are obtained by testing with constant voltage light strip)
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	<1.1A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF:0.99, DF:0.99, see the electrical values below for details
Input THD(typ.)	3%, see the electrical values below for details
Efficiency(typ.)	92%, see the electrical values below for details
In-rush current(typ.)	46.75A peak, 480us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.7s(AC start), <0.7s(DC start), <0.3s(AC/DC switchover), <0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):221W, 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):3750VAC, I/P-FG:1750VAC, O/P-FG:500VAC, I/P-DALI: 1500VAC, O/P-DALI: 1500VAC
Mains surge capability	L-N:2KV, L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:B)
Leakage current(typ.)	0.42mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH
Control interface	
DALI dimming port	Voltage range: DC9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: AC180-264V 50/60Hz
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	1-100%
Dimming drive mode	H-PWM
Emergency support	
Central emergency system	Supported(Normal dimming and color temperature 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, not condensing
Storage temp./humidity	-40-80°C, 5-85% RH, not 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	CE, ENEC, UKCA, RCM, DALI-2, 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	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2), IEC 62386-209(DALI-2)
EL	Compatible IEC 61347-2-13 Annex J, compatible with EN 60598-2-22 and EN 50172
RF	N/A

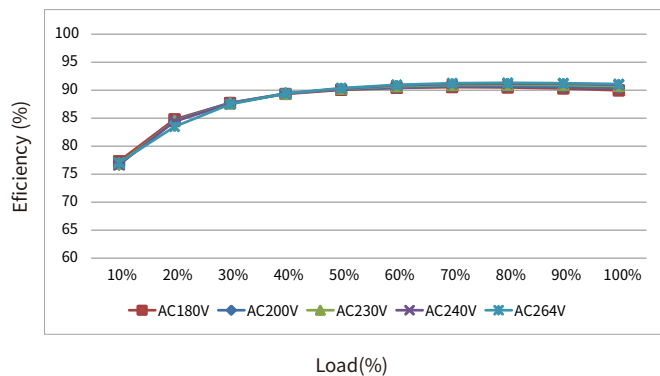
Remarks

- 1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.
- 2.The LED lamp load is a constant-voltage load.

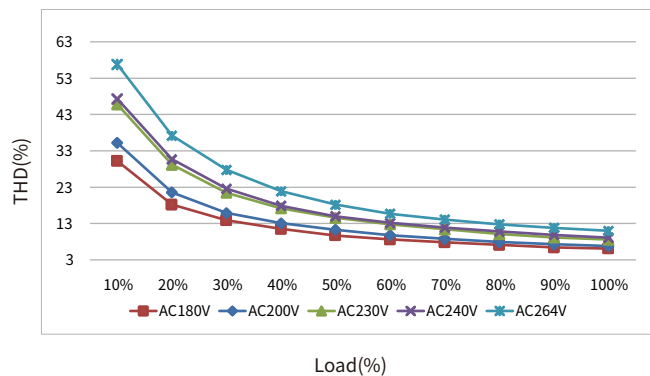
Electrical values

BK-DCV080-24V0D

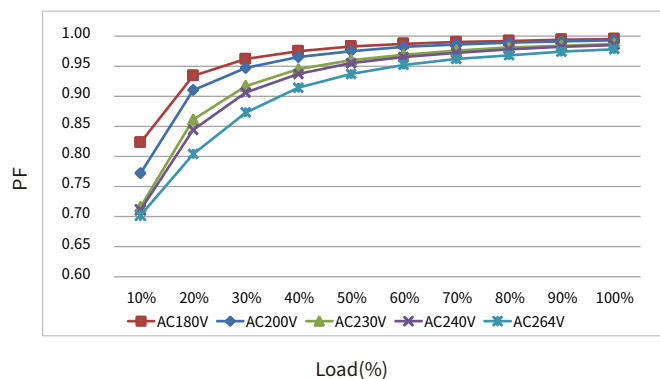
Efficiency vs load



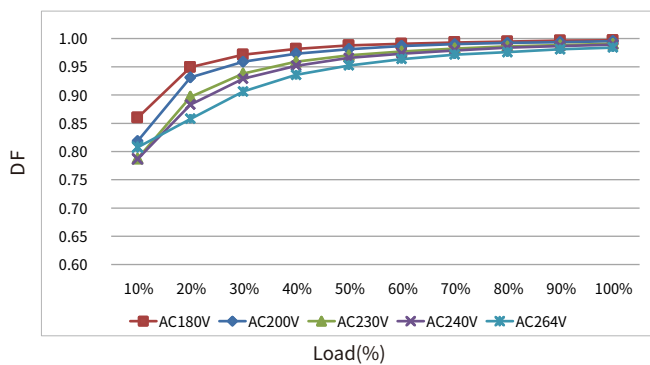
THD vs. Load



Power factor vs. Load

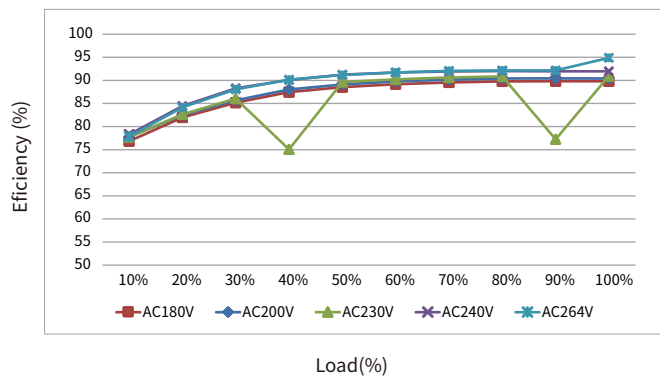


displacement power vs. Load

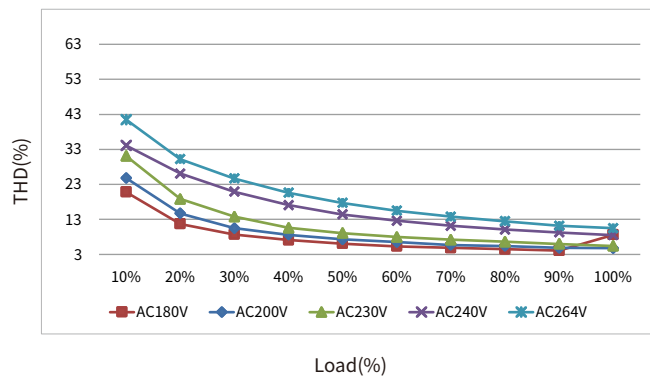


BK-DCV150-24V0D

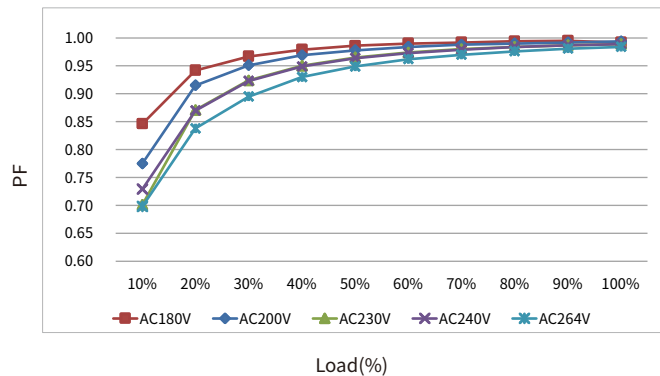
Efficiency vs load



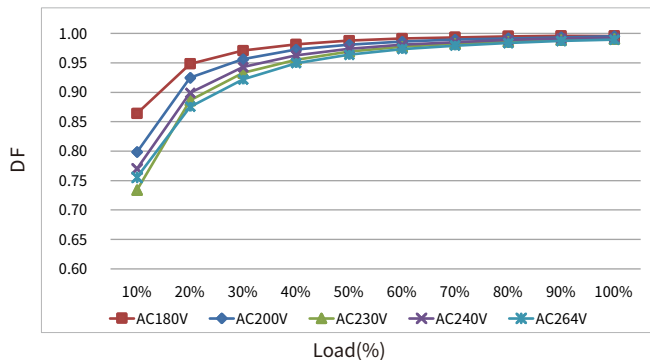
THD vs. Load



Power factor vs. Load



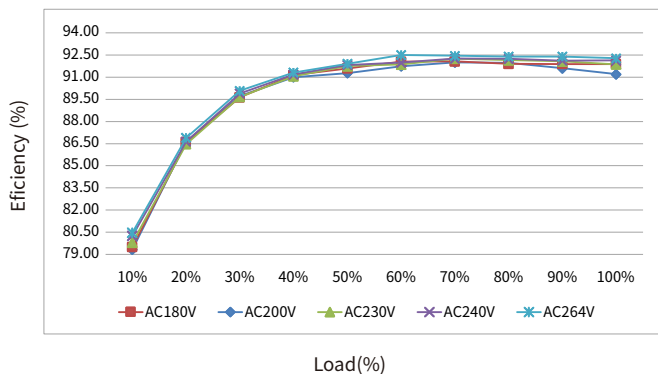
displacement power vs. Load



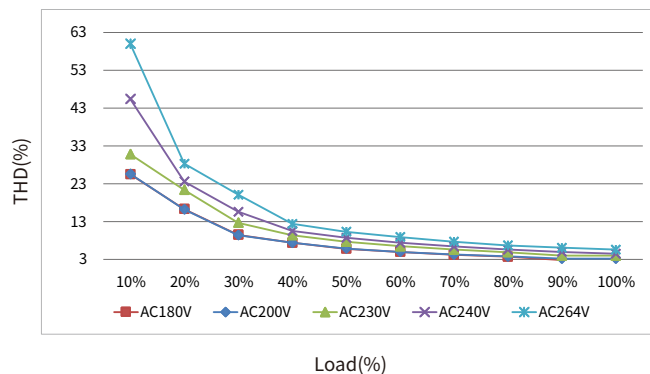
Electrical values

BK-DCV200-24V0D

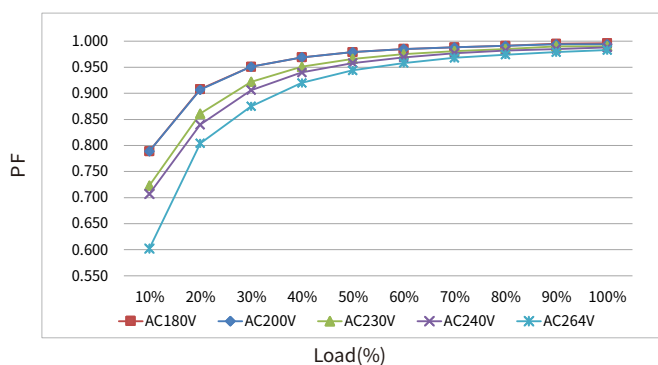
Efficiency vs load



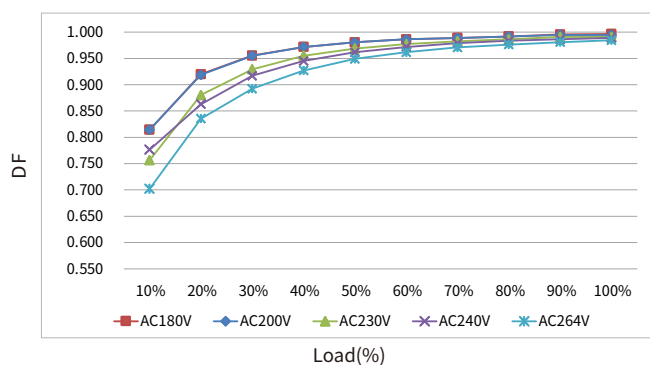
THD vs. Load



Power factor vs. Load



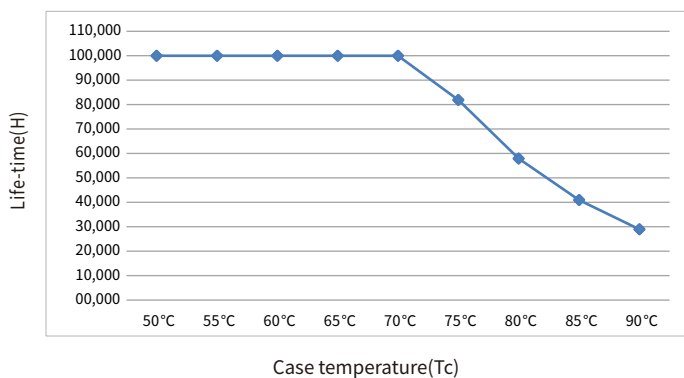
displacement power vs. Load



Expected life-time

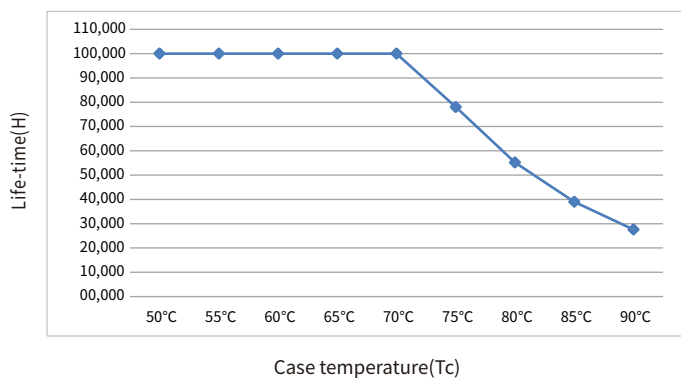
BK-DCV080

Life-time vs. case temperature



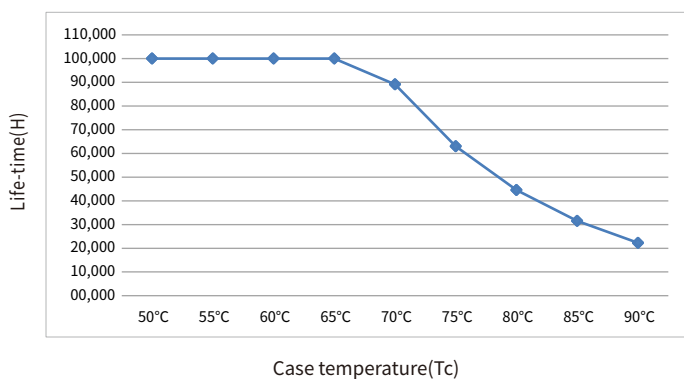
BK-DCV150

Life-time vs. case temperature



BK-DCV200

Life-time vs. case temperature

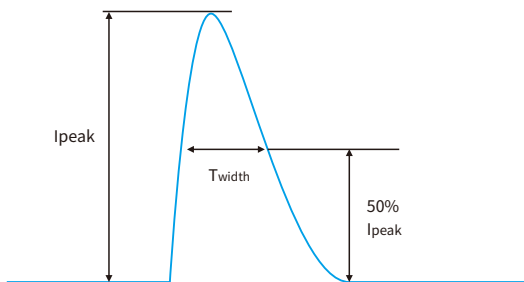


-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

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

Surge

Model	I _{peak}	T _{width}	Condition	Relative number of MCB/pcs														
				B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
BK-DCV080	23.3A	350us	AC 230V, Full load, Cold start, T _a ≤ 30°C, MCB is not installed side by side	13	17	21	26	32	20	26	32	40	50	20	26	32	40	50
BK-DCV150	42.5A	482us		3	4	5	6	8	5	7	8	10	13	10	13	17	21	26
BK-DCV200	46.75A	480us		3	4	5	6	7	5	6	8	9	12	8	10	13	16	20



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 protection

- When the output of the driver is short-circuited, the driver will enter the protection state.

Output overload protection

- When the load connected to the driver exceeds the rated power, the driver will enter a hiccup state. After reducing the load power, the driver will resume normal output.

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" .
- These drivers respond to DALI type 8 (DT8) commands, which in practice means that they only have 1 common address for both output channels .
- The tunable white level of intensity and colour temperature can be set either with a DALI command or by PUSH switch control.
- The higher the brightness, the wider the color temperature range can be obtained.

Insulation between circuits

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

Label

BK-DCV080

INPUT

○ ACL/DC+

○ ACN/DC-

○ PUSH

○ DA

○ DA

○

ACL → [PUSH] → DIMMER

ACN → [DA] → DIMMER

ACL → [DA] → DIMMER

PB wire prep. 0.75-1.5mm²

0.75-1.5mm²

1.5-2.0mm²

BOKE Dimmable Constant Voltage LED Driver(DT8)

MODEL: BK-DCV080-24V0D

INPUT: 200-240V $\approx$ 0.48A Max. 0/50/60Hz λ : 0.95

OUTPUT: 24V $\approx$ 3.4A 81.6W Max.

For LED modules use only

www.bokedriver.com

BOKE Drivers Co., Ltd.

Address: 2nd and 3rd Floor, No.51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA

MADE IN CHINA

tc: 90°C
ta: 55°C

OUTPUT

WW +

WW -

CW +

CW -

V+ ⊕

W- ⊖

C- ⊖

SEC wire prep. 1.5-2.0mm²

Laser engraving technology

BK-DCV150

INPUT

○ ACL/DC+

○ ACN/DC-

○ PUSH

○ DA

○ DA

○

ACL → [PUSH] → DIMMER

ACN → [DA] → DIMMER

ACL → [DA] → DIMMER

PB wire prep. 0.75-1.5mm²

0.75-1.5mm²

1.5-2.0mm²

BOKE Dimmable Constant Voltage LED Driver(DT8)

MODEL: BK-DCV150-24V0D

INPUT: 200-240V $\approx$ 0.9A Max. 0/50/60Hz λ : 0.95

OUTPUT: 24V $\approx$ 6.25A 150W Max.

For LED modules use only

www.bokedriver.com

BOKE Drivers Co., Ltd.

Address: 2nd and 3rd Floor, No.51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA

MADE IN CHINA

tc: 90°C
ta: 55°C

OUTPUT

WW +

WW -

CW +

CW -

V+ ⊕

W- ⊖

C- ⊖

SEC wire prep. 1.5-2.0mm²

Laser engraving technology

BK-DCV200

INPUT

○ ACL/DC+

○ ACN/DC-

○ PUSH

○ DA

○ DA

○

ACL → [PUSH] → DIMMER

ACN → [DA] → DIMMER

ACL → [DA] → DIMMER

PB wire prep. 0.75-1.5mm²

0.75-1.5mm²

1.5-2.0mm²

BOKE Dimmable Constant Voltage LED Driver(DT8)

MODEL: BK-DCV200-24V0D

INPUT: 200-240V $\approx$ 1.1A Max. 0/50/60Hz λ : 0.95

OUTPUT: 24V $\approx$ 8.3A 199.2W Max.

For LED modules use only

www.bokedriver.com

BOKE Drivers Co., Ltd.

Address: 2nd and 3rd Floor, No.51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA

MADE IN CHINA

tc: 90°C
ta: 55°C

OUTPUT

WW +

WW -

CW +

CW -

V+ ⊕

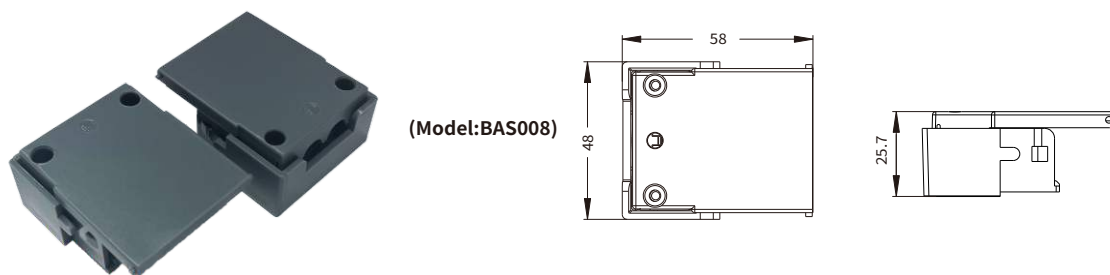
W- ⊖

C- ⊖

SEC wire prep. 1.5-2.0mm²

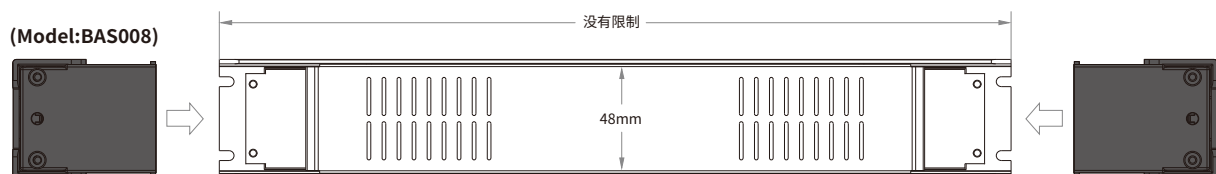
Laser engraving technology

Accessories



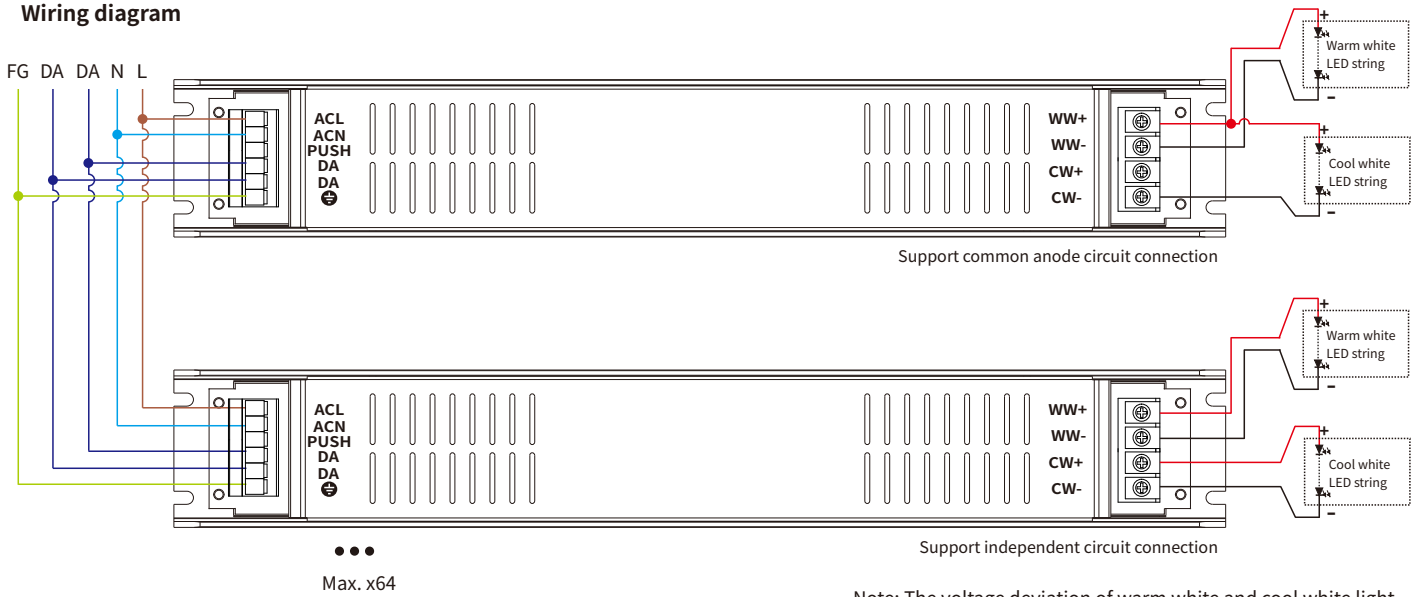
Unit:mm

Installation diagram of accessories



DALI dimming application

Wiring diagram



Note: The voltage deviation of warm white and cool white light strings should be less than 0.5V

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 :

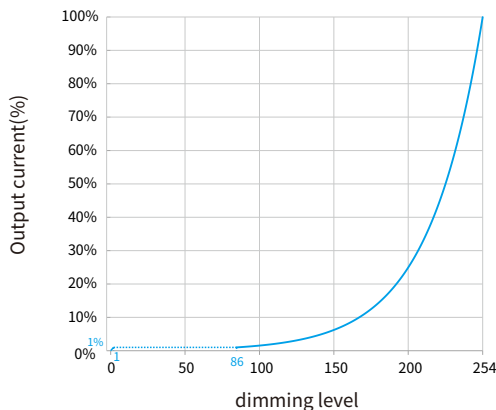
When the driver is in DALI-2 dimming mode, the factory default level after each power-on is the brightest.

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

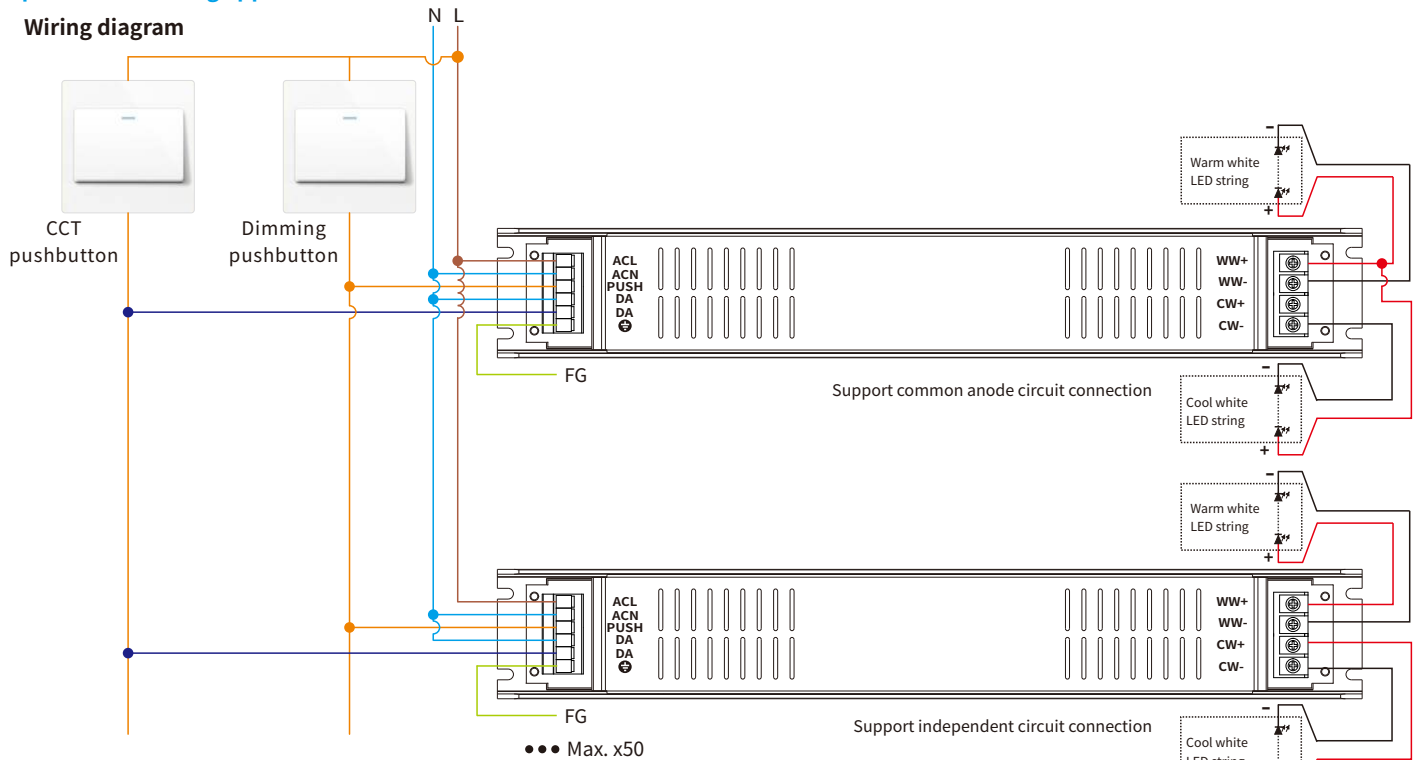
Logarithmic dimming curve



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

pushDIM dimming application

Wiring diagram



Note: The voltage deviation of warm white and cool white light strings should be less than 0.5V

Switch to the pushDIM,pushCCT control mode

- After installation according to the wiring diagram of pushDIM,pushCCT control application, short press the dimming pushbutton(pushDIM port) 5 times within 3 seconds, the driver will automatically switch to pushDIM,pushCCT control mode.
- After switch to the pushDIM, pushCCT control mode, CorridorDIM mode will be automatically closed.

Number of mounted drivers

- Up to 50pcs drivers can be mounted.

Dimming pushbutton operating instructions

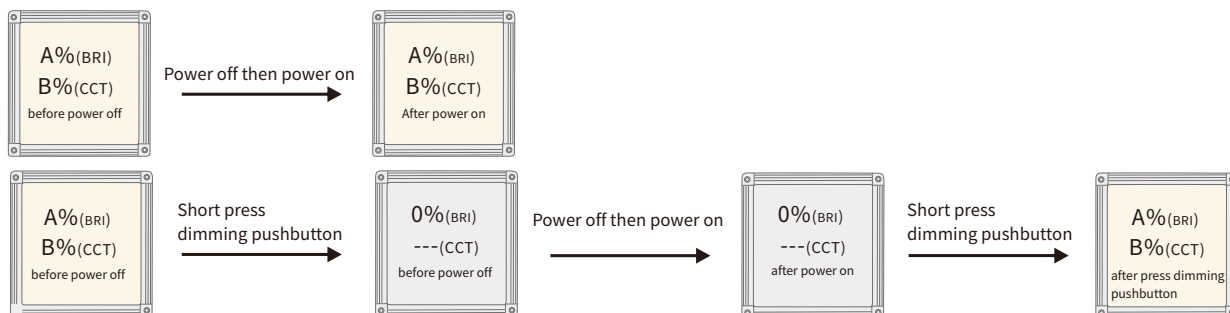
- Turn on or turn off: short press dimming pushbutton for 0.2-1s.
- Stepless dimming : long press dimming pushbutton for 1-6s, Press again to switch dimming directions.

PUSH CCT switch operating instructions

- Switch CCT level: short press CCT pushbutton for 0.2-1s, 9 levels of preset CCT can be switched.
- Stepless CCT adjustment: long press CCT pushbutton for 1-6s, Press again to switch CCT adjustment directions.

Power on status:

- After power on,the light state will be the same as the last dimming level and the last CCT level.
- If the light is on before the power is turned off, after turning the power back on, the brightness will be the same as the last time, and the color temperature will be the same as the last time.
- If the light is off before the power is turned off, the light will be turned off after the power is turned back on. You need to press the dimming pushbutton for a short time to turn on the light. The brightness after lighting will be the same as the last time, and the color temperature will be the same as the last time.



Multiple lights synchronize control operation

method 1:

- Step 1:long press the dimming pushbutton,confirm each light is on.
- Step 2:short press the dimming pushbutton,confirm each light is off.
- Step 3:long press the dimming pushbutton,confirm each light is from darkest to brightest and all the lights are synchronous.

method 2:

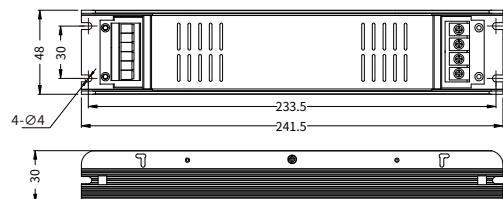
- Long press the dimming pushbutton for more than 15s, all drivers will output 100% brightness and the color temperature is natural white (middle of color temperature range).

Mechanical Specification

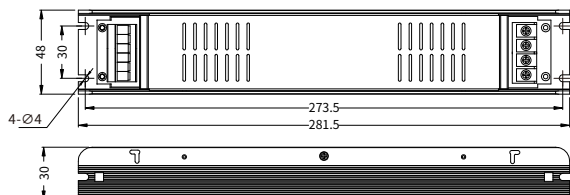
Size(Excluding accessories)

Unit:mm

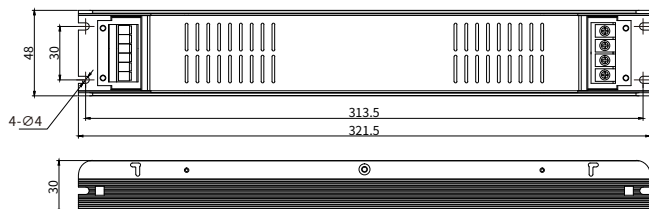
DCV080



DCV150



DCV200

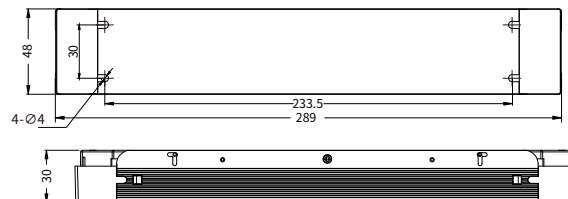


Mechanical Specification

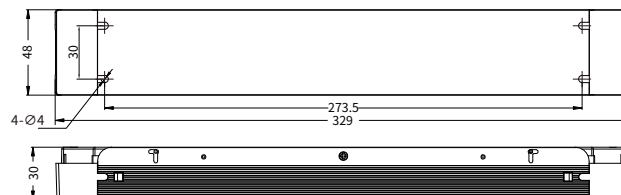
Size(Include accessories)

Unit:mm

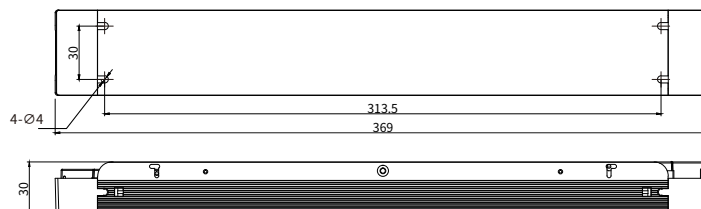
DCV080



DCV150



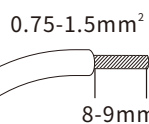
DCV200



INPUT

Numbering	function	colour
1	ACL/DC+	orange
2	ACN/DC-	orange
3	PUSH	orange
4	DA	gray
5	DA	gray
6	FG	gray

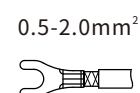
Input wire



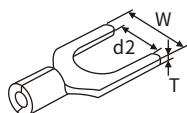
OUTPUT

Numbering	function
1	WW+
2	WW-
3	CW+
4	CW-

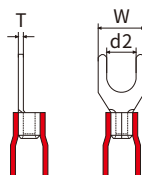
Output wire



Cold-pressed terminal reference



Cold-pressed terminal (bare part)



Cold-pressed terminal(Insulating part)

Product model	Position	Cable cord diameter	Cold-pressed Terminal			
			Model reference	Diameter		
				Inside diameter(d2)	Outside diameter(W)	Thickness(T)
DCV080/DCV150/DCV200	Output	0.5-1.5mm ²	SNB1.25-3.2/SV1.25-3	3.2mm	5.7mm	0.7mm
		1.5-2.5mm ²	SNB2-3.2/SV2-3			0.8mm

Installation note

Hot plug-in

- Hot plug-in is not supported due to residual output voltage of $> 0\text{ V}$.

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 T_a at any time.
- The temperature of the mounting surface of the driver should be lower than the temperature of T_a .
- 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.
 3. Two power outputs cannot be connected in parallel.

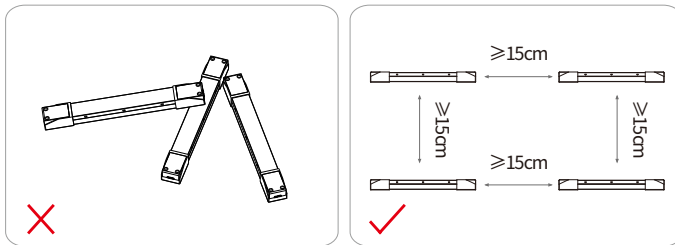


Figure 1

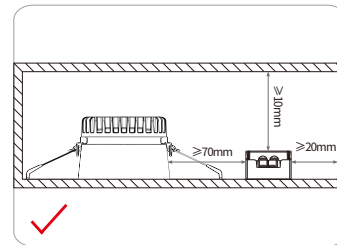
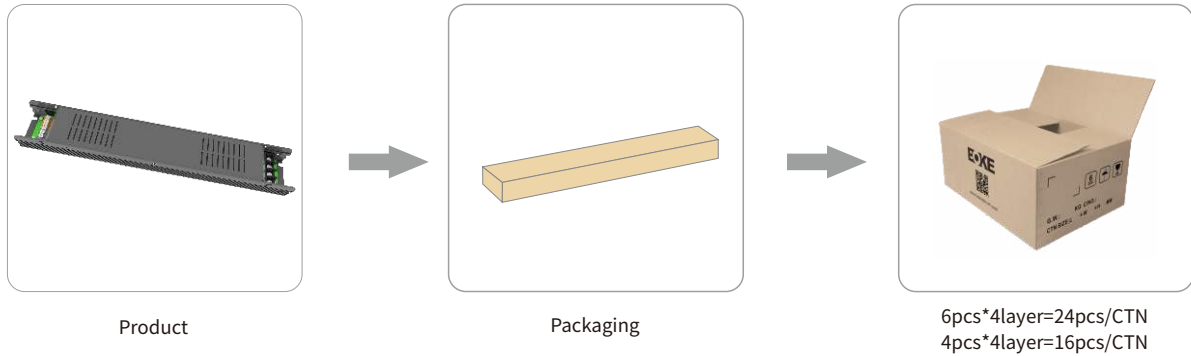


Figure 2

Replace LED module

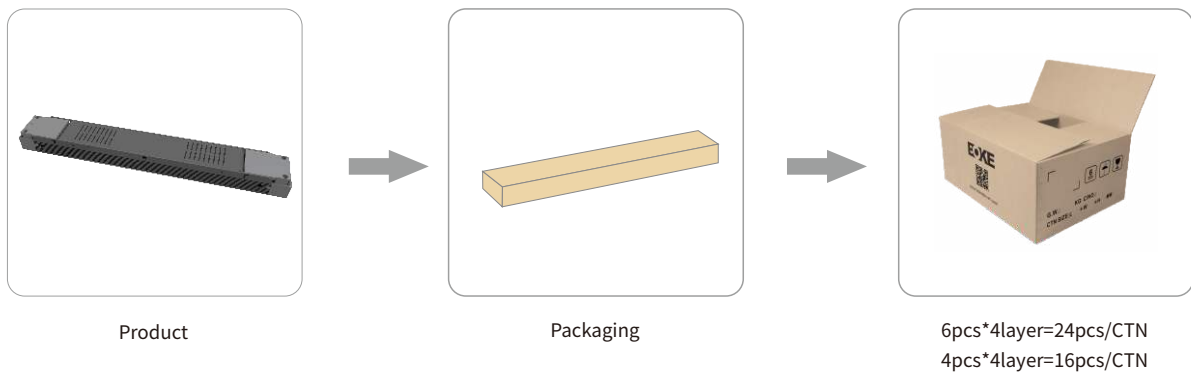
1. Mains off
2. Wait more than 5 seconds
3. Remove LED module
4. Connect LED module again

Packaging(Excluding accessories)



Model	Product size	Weight	Packaging size	Carton size	Qty/carton	N.W	G.W
DCV080	L241.5*W48*H30mm	343g	L300*W54*H37mm	L310*W345*H170mm	24pcs	8.23kg	9.63kg
DCV150	L281.5*W48*H30mm	420g	L300*W54*H37mm	L310*W345*H170mm	24pcs	10.1kg	11.6kg
DCV200	L321.5*W48*H30mm	540g	L380*W54*H37mm	L400*W240*H165mm	16pcs	8.64kg	9.74kg

Packaging(Include accessories)



Model	Product size	Weight	Packaging size	Carton size	Qty/carton	N.W	G.W
DCV080	L289*W48*H30mm	386g	L300*W54*H37mm	L310*W345*H170mm	24pcs	9.26kg	10.6kg
DCV150	L329*W48*H30mm	463g	L380*W54*H37mm	L400*W240*H170mm	16pcs	7.41kg	8.90kg
DCV200	L369*W48*H30mm	583g	L380*W54*H37mm	L400*W240*H170mm	16pcs	9.33kg	10.6kg

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.