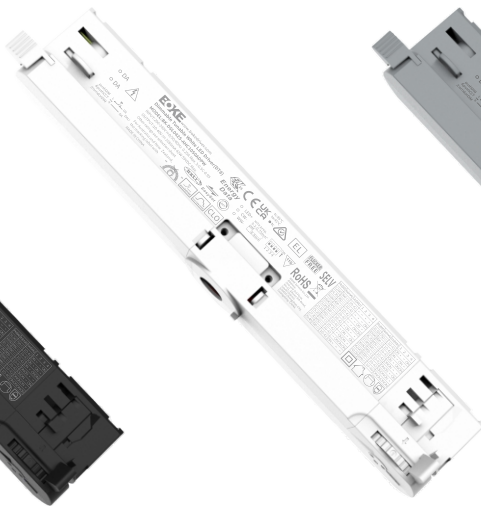


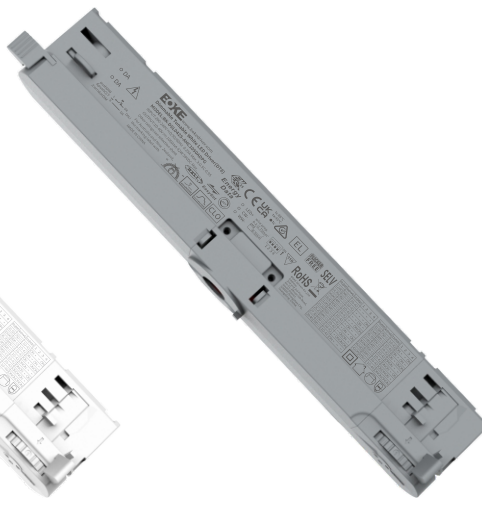
AC integrated track color temperature driver(Six-wire DALI)
DSL(S) Series suffix DPB DPW DPG(DALI-2 DT8+pushDIM+pushCCT+EnergyData
+EL+CLO+corridorDIM+DALI programmable)



Black-RAL9011



White-RAL9010



Grey-RAL9040

Features

- Support DALI-2 DT8+pushDIM+pushCCT interface
- Support EnergyData function and energy-reporting reading (DALI Part 252)
- Support Luminaire data reading (DALI Part251), support diagnostics-maintenance reading (DALI Part253)
- Support advanced functions such as corridorDIM,EL,CLO
- The output current programming can be realized through the DALI interface
- Multi-level current output can be realized by DIP-switch
- Compatible 6-wire track system with mainstream brands and models
- Black, white or grey housing are optional
- 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
- Standby power input<0.5W, meets the requirements of ErP certification
- High PF, low THD
- Intelligent LED hot-plug protection function
- SELV and Class II design, suitable for AC integrated track
- Plassed CE, ENEC, UKCA, RCM, DALI-2, EL 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,pshCCT,corridorDIM)

Functions

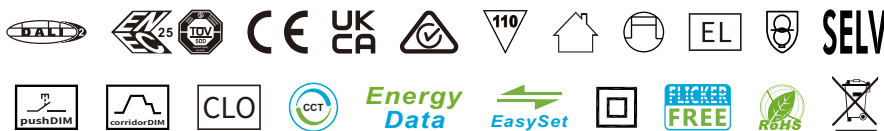
- Support DALI part251,252,253
- PUSH dimming (pushDIM) and PUSH color temperature (pushCCT) with memory
- Support central emergency application
- Support self-contained emergency application
- Emergency lighting(EL)
- Constant light output function(CLO)
- Corridor dimming (corridorDIM)
- Programming via DALI(EasySet)
- Protective features (short-circuit, overload,no-load, hot plug-in, over temperature protection)

Suitable for lights

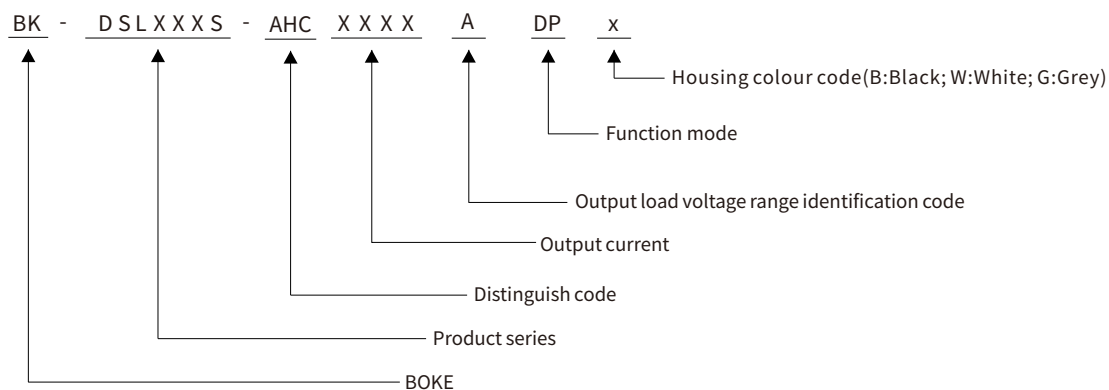
- Suitable for lights with AC integrated track driver

Typical applications

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



Model coding rules of DSL(S) series



Function list

Model	Suffix	DIP switch	Wired dimming		Advanced functions					Device Configuration	
			DALI-2	PUSH(DIM/CCT)	AOC	EL	CLO	EnergyData	corridorDIM	DALI interfaces	NFC interfaces
BK-DSL042S-AHC	DPB DPW DPG	√	√	√	√	√	√	√	√	√	
	DNB DNW DNG		√	√	√	√	√	√	√	√	√

*The description in this specification is only applicable to the products with the suffix DPB/DPW/DPG and the model are DSL042S-AHC.

Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension
BK-DSL042S-AHC1050ADPB BK-DSL042S-AHC1050ADPW BK-DSL042S-AHC1050ADPG	200-240VAC/DC	42W MAX.	10-42VDC	0.3-1.05A	L235*W42*H31mm
BK-DSL042S-AHC1050ADNB BK-DSL042S-AHC1050ADNW BK-DSL042S-AHC1050ADNG	200-240VAC/DC	42W MAX.	10-42VDC	0.15-1.05A	L235*W42*H31mm

*The description in this specification is only applicable to the products with the suffix DPB/DPW/DPG and the model are DSL042S-AHC.

Technical data

Product model	BK-DSL042S-AHC1050ADPB	BK-DSL042S-AHC1050ADPW	BK-DSL042S-AHC1050ADPG
Housing colour	Black	White	Grey
Output parameters			
Regulation method	Constant Current		
Rated output current range	0.3-1.05A,see the DIP-switch for details		
Rated output voltage range	10-42VDC,see the DIP-switch for details		
Rated output power	42W Max,see the DIP-switch for details		
Output current adjustment	EasySet Programming/DIP S.W(16 levels)		
Output current ripple(typ.)	±5%(100Hz)		
Output current accuracy	±5%		
Linear regulation	±5%		
Load regulation	±5%		
No load output voltage	59VDC		
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.203%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.015, SVM = 0.004, (The above parameters are obtained from testing the panel lights)		
Input parameters			
Rated input voltage range	200-240VAC 200-240VDC		
Input voltage range	180-264VAC 180-264VDC		
Input votage shock	<380 V AC		
Input current	<0.25A (Rated input voltage)		
Input frequency	0/50/60Hz		
Input PF/Input DF(typ.)	PF: 0.98,DF:0.99 , see the electrical values below for details		
Input THD(typ.)	10% , see the electrical values below for details		
Efficiency(typ.)	90.5% , see the electrical values below for details		
In-rush current(typ.)	1.86A peak ,68us duration(50 % Ipeak), see the description below for details		
Start/Switchover/Turn off	<0.75s(AC start),<0.75s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off)		
Switching cycles	> 100,000 switching cycles		
Power consumption(typ.)	Full load(Pin):46.4W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A		
Safety			
Withstand voltage	I/P-O/P:3750VAC,I/P-DALI: 1500VAC,O/P-DALI: 1500VAC		
Mains surge capability	L-N:2KV(90°/270° , 5 times each with an interval of 60s)(Performance criterion:B)		
Leakage current(typ.)	0.39mA		
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70%RH		
Control interface			
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	0.1%-100%(Minimum current:1.05mA)		
Dimming drive mode	AM(amplitude modulation)		
Emergency support			
Central emergency system	Supported		
Self-contained emergency	Supported		
Environment & Life time			
Operating temperature	Ta=-20-45°C		
Case temperature	Tc=85°C		
Operating humidity	5-85% RH, non-condensing		
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing		
IP grade	IP20		
MTBF	500,000H,MIL-HDBK-217F(25°C)		
Life-time	Nominal life-time up to 100,000 h, see the description below for details		
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes		
Acoustic Noise	<25dB(30cm, Normal operation)		
Environmental protection	RoHS		
Certifications and standards			
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), DALI part251,252,253		
EL	Compatible IEC 61347-2- 13 Annex J, compatible with EN 60598-2-22 and EN 50172		
RF	N/A		

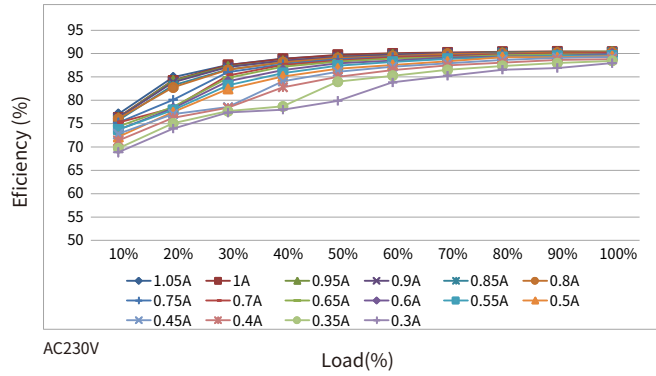
Remarks

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

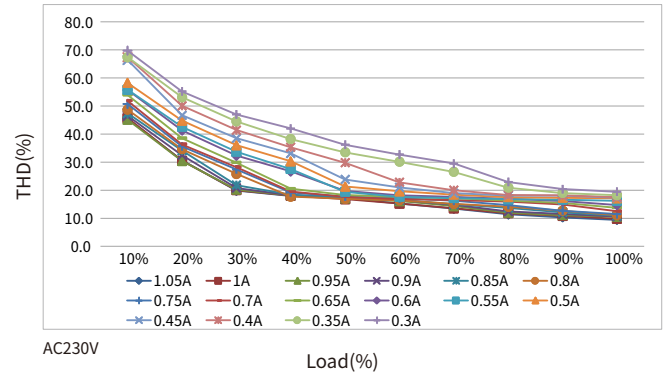
Electrical values

BK-DSL042S-AHC

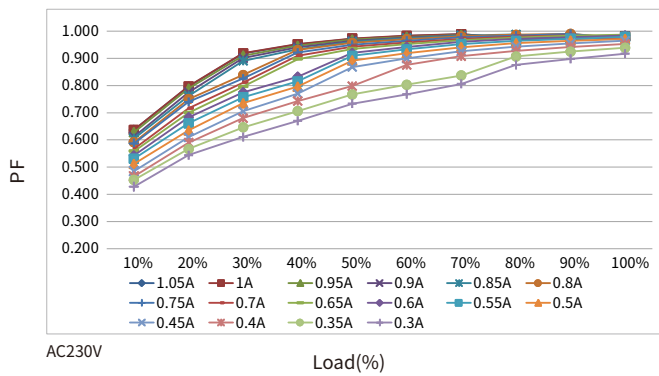
Efficiency vs Load



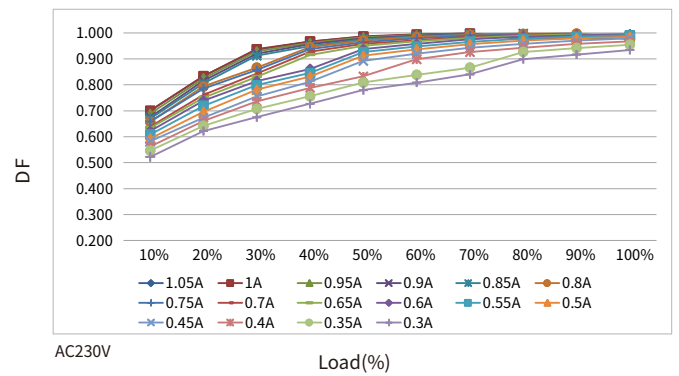
THD vs. Load



Power factor vs. Load

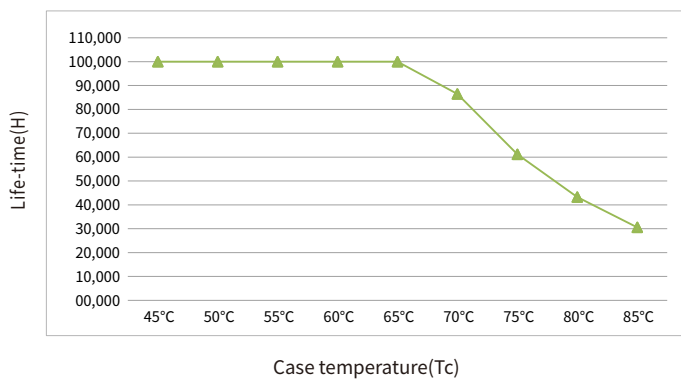


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature

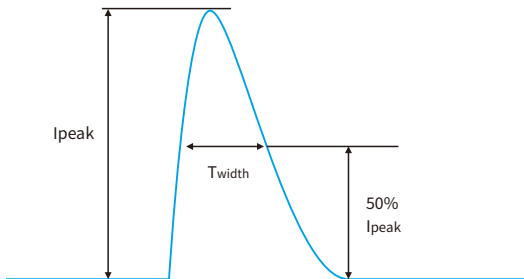


-The life-time of the LED driver is shown in the figure above
(calculated based on the 90% survival rate).

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

Surge

Model	Ipeak	Twidth	Condition	Relative number of MCB/pcs															
				B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25	
BK-DSL042S-AHC	1.86A	68us	AC 230V,Full load, Cold start,Ta≤30°C, MCB is not installed side by side	38	50	62	77	96	38	50	62	77	96	38	50	62	77	96	



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 over temperature

- When the operating temperature exceeds the set over temperature protection value of the internal circuit of the power supply, the power supply enters protection states 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".
- 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.

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.

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: When DC input, the output of the driver remains unchanged, and the dimming function responds normally.
- Setting 2 (default): When DC input, the output of the driver jumps to the set brightness of 15%, 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.
- Please see the "Device configuration" section.
- More information about the EasySet programming suite can be found at www.bokedriver.com.

Insulation between circuits

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

Label

BK-DSL042S-AHC

BOKE www.bokedriver.com
Dimmable Tunable White LED Driver(DT8)
MODEL: BK-DSL042S-AHC1050ADPB
 INPUT: 200-240V $\approx$ 0/50/60Hz 0.25A Max. λ : 0.5C-0.9S
 OUTPUT: 10-40V $\approx$ 1050mA 42W 59VDC Max.
 Other ratings see selection sheet
 For Australia and New Zealand, the marking label with
 MADE IN CHINA

tc: 85°C
 ta: 45°C
 LED+ wire prep. 0.2-0.75mm²
 CW- 8-9mm
 WW- 1 2 3 4

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

Po(W)	Io(mA)	Uo(Vdc)	1	2	3	4
12.60	300	10-42	-	-	-	-
14.70	350	10-42	-	-	-	ON
16.80	400	10-42	-	-	ON	-
18.90	450	10-42	-	-	ON	ON
21.00	500	10-42	-	ON	-	-
23.10	550	10-42	-	ON	-	ON
25.20	600	10-42	-	ON	ON	-
27.30	650	10-42	-	ON	ON	ON
29.40	700	10-42	ON	-	-	-

Po(W)	Io(mA)	Uo(Vdc)	1	2	3	4
31.50	750	10-42	ON	-	-	ON
33.60	800	10-42	ON	-	ON	-
35.70	850	10-42	ON	-	ON	ON
37.80	900	10-42	ON	ON	-	-
39.90	950	10-42	ON	ON	-	ON
42.00	1000	10-42	ON	ON	ON	-
42.00	1050	10-40	ON	ON	ON	ON

BOKE www.bokedriver.com
Dimmable Tunable White LED Driver(DT8)
MODEL: BK-DSL042S-AHC1050ADPW
 INPUT: 200-240V $\approx$ 0/50/60Hz 0.25A Max. λ : 0.5C-0.9S
 OUTPUT: 10-40V $\approx$ 1050mA 42W 59VDC Max.
 Other ratings see selection sheet
 For Australia and New Zealand, the marking label with
 MADE IN CHINA

tc: 85°C
 ta: 45°C
 LED+ wire prep. 0.2-0.75mm²
 CW- 8-9mm
 WW- 1 2 3 4

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

Po(W)	Io(mA)	Uo(Vdc)	1	2	3	4
12.60	300	10-42	-	-	-	-
14.70	350	10-42	-	-	-	ON
16.80	400	10-42	-	-	ON	-
18.90	450	10-42	-	-	ON	ON
21.00	500	10-42	-	ON	-	-
23.10	550	10-42	-	ON	-	ON
25.20	600	10-42	-	ON	ON	-
27.30	650	10-42	-	ON	ON	ON
29.40	700	10-42	ON	-	-	-

Po(W)	Io(mA)	Uo(Vdc)	1	2	3	4
31.50	750	10-42	ON	-	-	ON
33.60	800	10-42	ON	-	ON	-
35.70	850	10-42	ON	-	ON	ON
37.80	900	10-42	ON	ON	-	-
39.90	950	10-42	ON	ON	-	ON
42.00	1000	10-42	ON	ON	ON	-
42.00	1050	10-40	ON	ON	ON	ON

BOKE www.bokedriver.com
Dimmable Tunable White LED Driver(DT8)
MODEL: BK-DSL042S-AHC1050ADPG
 INPUT: 200-240V $\approx$ 0/50/60Hz 0.25A Max. λ : 0.5C-0.9S
 OUTPUT: 10-40V $\approx$ 1050mA 42W 59VDC Max.
 Other ratings see selection sheet
 For Australia and New Zealand, the marking label with
 MADE IN CHINA

tc: 85°C
 ta: 45°C
 LED+ wire prep. 0.2-0.75mm²
 CW- 8-9mm
 WW- 1 2 3 4

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

Po(W)	Io(mA)	Uo(Vdc)	1	2	3	4
12.60	300	10-42	-	-	-	-
14.70	350	10-42	-	-	-	ON
16.80	400	10-42	-	-	ON	-
18.90	450	10-42	-	-	ON	ON
21.00	500	10-42	-	ON	-	-
23.10	550	10-42	-	ON	-	ON
25.20	600	10-42	-	ON	ON	-
27.30	650	10-42	-	ON	ON	ON
29.40	700	10-42	ON	-	-	-

Po(W)	Io(mA)	Uo(Vdc)	1	2	3	4
31.50	750	10-42	ON	-	-	ON
33.60	800	10-42	ON	-	ON	-
35.70	850	10-42	ON	-	ON	ON
37.80	900	10-42	ON	ON	-	-
39.90	950	10-42	ON	ON	-	ON
42.00	1000	10-42	ON	ON	ON	-
42.00	1050	10-40	ON	ON	ON	ON

Laser engraving technology

DIP-switch & output current

BK-DSL042S-AHC

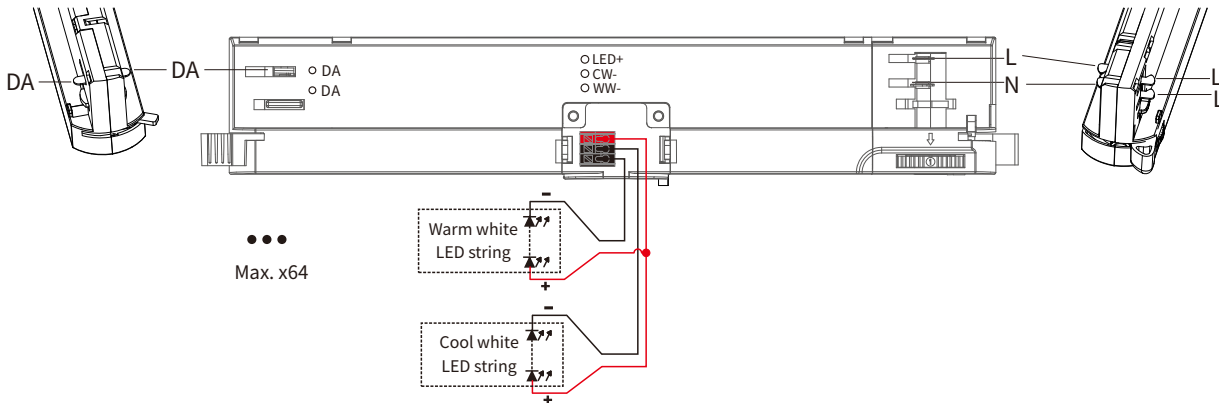
Output			1	2	3	4
Prated(w)	Irated(mA)	Voltage(Vdc)				
12.60	300	10-42	--	--	--	--
14.70	350	10-42	--	--	--	ON
16.80	400	10-42	--	--	ON	--
18.90	450	10-42	--	--	ON	ON
21.00	500	10-42	--	ON	--	--
23.10	550	10-42	--	ON	--	ON
25.20	600	10-42	--	ON	ON	--
27.30	650	10-42	--	ON	ON	ON
29.40	700	10-42	ON	--	--	--
31.50	750	10-42	ON	--	--	ON
33.60	800	10-42	ON	--	ON	--
35.70	850	10-42	ON	--	ON	ON
37.80	900	10-42	ON	ON	--	--
39.90	950	10-42	ON	ON	--	ON
42.00	1000	10-42	ON	ON	ON	--
42.00	1050 ★	10-40	ON	ON	ON	ON

Remarks:

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

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

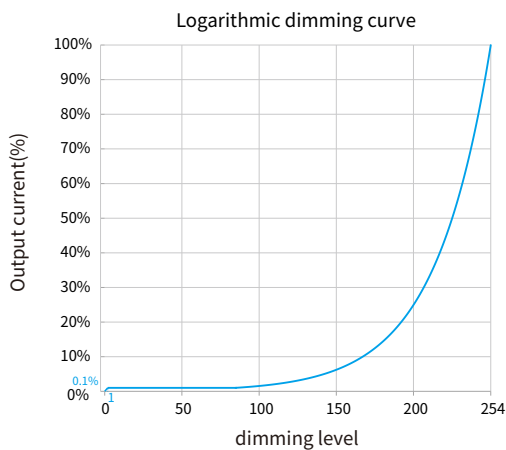
Power-on level :

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.

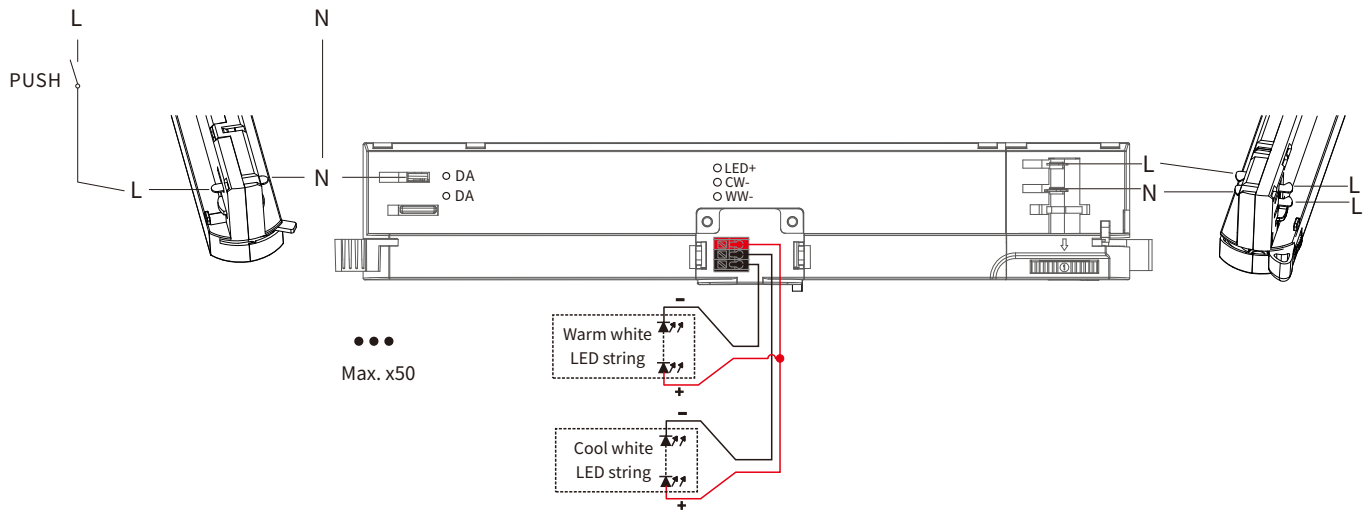
Dimming curve



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

pushDIM dimming application

Wiring diagram



Switch to pushDIM,pushCCT control mode

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

PUSH dimming switch operating instructions

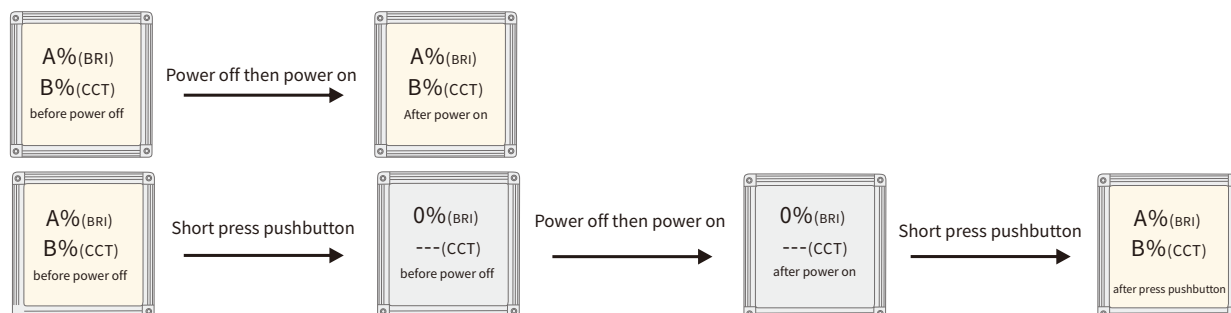
- Turn on or turn off: short press pushbutton for 0.2-1s.
- Stepless dimming : long press pushbutton to adjust the brightness (default dimming time is 6s), Press again to switch dimming directions.

PUSH CCT switch operating instructions

- Stepless CCT adjustment: long press the pushbutton until the brightness output is maximum, continue to press the pushbutton, the color temperature will automatically switch to the coldest, and then slowly gradually change to the warmest, and change back and forth. When the pushbutton is released when the desired color temperature is adjusted, the power supply will stop the color temperature change and save the current color temperature.

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 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 brightness operations

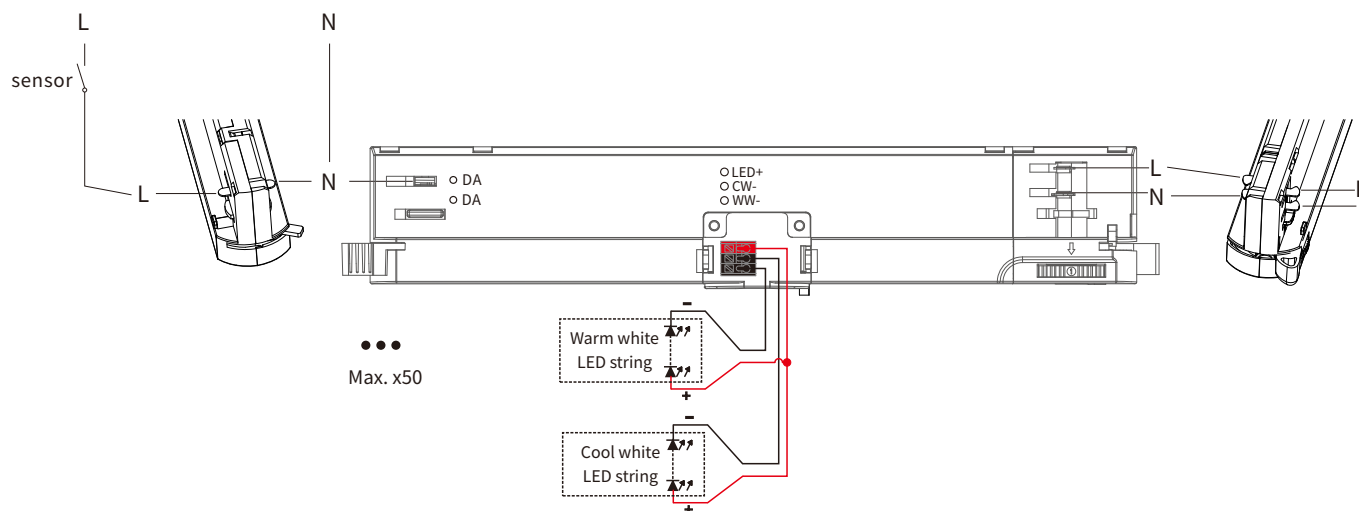
- Step 1:long press the pushbutton,confirm each light is on.
- Step 2:short press the pushbutton,confirm each light is off.
- Step 3:long press the pushbutton,confirm each light is from darkest to brightest and all the lights are synchronous.

Multiple lights synchronized color temperature operation

- 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.
- Step 4:continue to press and hold the pushbutton until all driver color temperatures change simultaneously.

corridorDIM dimming application

Wiring diagram



Switch to the corridorDIM dimming and color temperature mode

- Method 1: Switch by sensor.

After installation according to the wiring diagram of corridorDIM dimming and color temperature 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 and color temperature function of the driver will be switched and output 100% brightness 100% color temperature (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 and color temperature function will be switched and output 100% brightness 100% color temperature (Default), finally restore the hold-time that the sensor actually needs.

-Method 2: Switch by normal switch

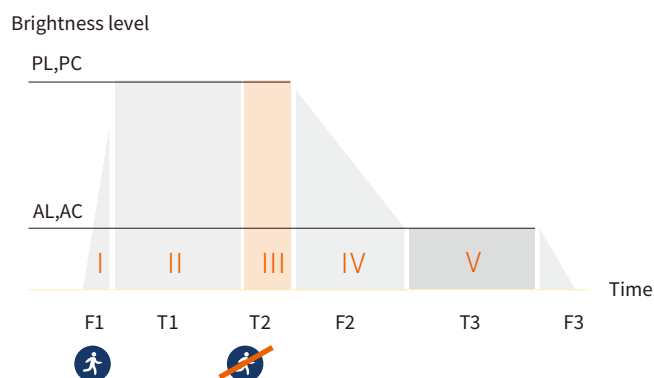
After installation according to the wiring diagram of the corridorDIM dimming and color temperature application, first replace the sensor with a normal switch, and then turn on the normal switch for 5 minutes, and the driver will automatically switch to corridorDIM dimming and color temperature mode,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

- After switch to the corridorDIM dimming and color temperature mode, the pushDIM dimming and color temperature 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.

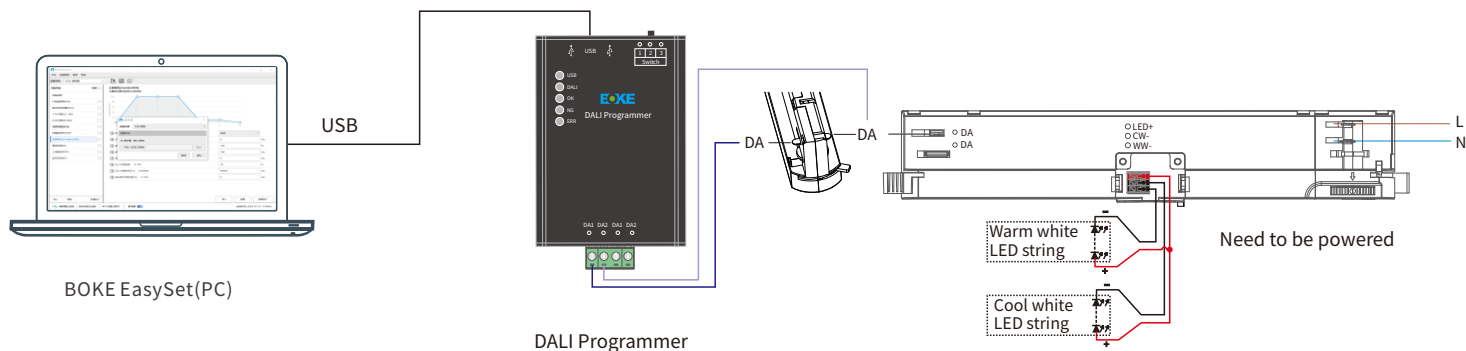
corridorDIM working process



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

Name	Symbol	Factory setting	Settable range
Fade-in time	F1	1s	0-100s
Presence level	PL	100%	0-100%
Presence CCT	PC	100%(the coldest)	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%
Absence CCT	AC	100%(the coldest)	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:Windows7/Windows10/Windows1132bit/64bit;
Mobile:Androidsystem $\geq$ 6.0, iossystem $\geq$ 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/pushCCT)	Activated	YES	Read/Wirte
Corridor dimming(corridorDIM)	Activated	YES	Read/Wirte
Emergency lighting(EL)	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	

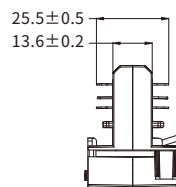
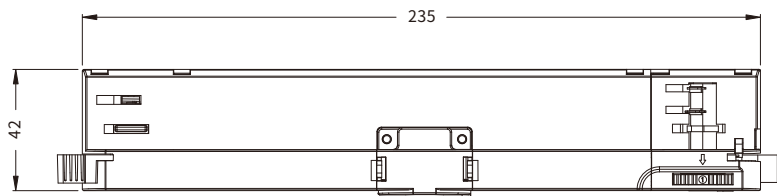
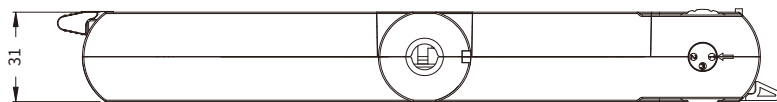
Note: The default factory mode of emergency lighting is derated mode, and the emergency brightness is 15%

Installation

Mechanical dimensions

Unit:mm

DSL042S-AHC



Housing colour (optional)

number	colour
1	Black-RAL 9011
2	White-RAL 9010
3	Grey-RAL 7040

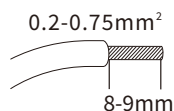
DIMMING

number	function
1	DA
2	DA

OUTPUT

number	function	colour
1	LED+	red
2	CW-	black
3	WW-	black

Output wire



Installation note

Hot plug-in

- Hot plug-in is not supported due to residual output voltage of $> 0\text{ V}$.
- 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 T_a at any time.
- The driver should be installed in a compatible rail brand and model.

Wiring guidelines

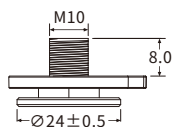
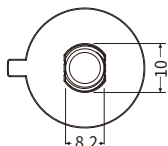
- All connections must be kept as short as possible to ensure good EMI behaviour.
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance).
- Incorrect wiring can damage LED modules.

Replace LED module

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

Optional accessories

- Optional accessories for fixed the luminaire
- Optional specifications M10*8
- Together with M10 nuts



Black-RAL 9011 White-RAL 9010 Grey-RAL 7040

Note: Accessories need to be purchased separately

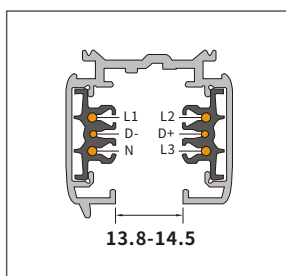
order number	specification
B-M1008W-001	M10*8/White
B-M1008B-001	M10*8/Black
B-M1008G-001	M10*8/Grey

Compatible with the following guide rails

Number	Manufacturer	Model	System	Track casing colour
1	Global	XTSC 6x00/XTSCF 6x00 (x=1,2,3, 4) Upgrade Version(Q2/2020)	3P	black,white,grey
2	POWERGEAR	PRO-06x0/PRO-R6x0 (x=1, 2, 3)	3P	black,white,grey
3	JBD	JB-6-C	3P	black,white,grey
4	Stucchi	9000-1-ST	3P	black,white,grey

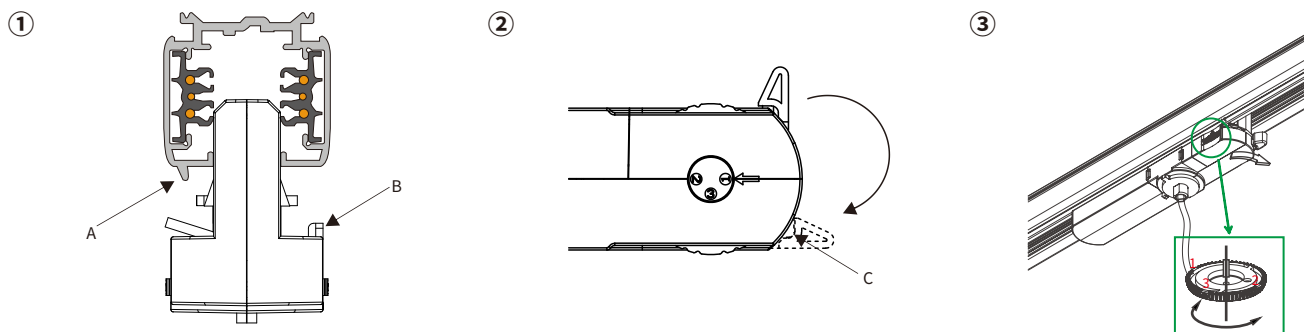


Six-wire track



dimensions and layout(Unit:mm)

Installation Instruction



- Insert the driver into the track, noting the position of the mechanical point (A) and (B).

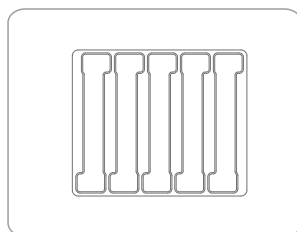
- Rotate of about 90° the lever of the cam until it reaches the locking position(C). To remove the driver, rotate the lever in the opposite direction.

- Select the phase you want to connect (L1, L2, or L3) through the phase selection wheel.

Packaging



Product



Blister



5pcs*4layer=20pcs/CTN

Model	Product size	Weight	Blister size	Carton size	Qty/carton	N.W	G.W
DSL042S-AHC	L235*W42*H31mm	165g	L300*W251*H50mm	L320*W270*H225mm	20pcs	3.30KG	4.61KG

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.