



Dimmable | Wireless | System

Since 2010



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Product Catalog
2021-Q1

COMPANY INTRODUCTION

Dongguan BOKE LED Drivers Co.,LTD is established in 2010, focus on the field of High Reliability Engineering Driver and Lighting Control Systems for 10 years.

In the part of lighting driver,BOKE have formed complete product systems for industrial and commercial,including DALI-2 dimmable driver,linear driver,commercial driver and waterproof driver.

In the part of lighting control system, BOKE transformed into a professional DALI-2 system solution provider,specialize in the DALI system solution with DALI control system, DALI-2 driver, DALI-2 control device as the main core.In the meantime,BOKE makes continuous development and innovation in the field of IoT,and expect to provide humanized intelligent lighting service for consumers in the near future.

As a national high-tech enterprise,BOKE has a TUV certificated and DALI-2 laboratory.All our products have certification approved by international authoritative certification institution,such as CE,ENEC,CCC,UL,SAA and RoHS.

We also have a number of patents on software and driver technology. BOKE is a member of DiiA and a member of Bluetooth SIG, and has obtained ISO9001-2015(SGS)quality system certification and national intellectual property management system certification.



ENTERPRISE CULTURE

ENTERPRISE VISION

Professional and international power suppliers

ENTERPRISE POSITIONING

High reliability engineering driver and lighting control systems provider

ENTERPRISE PHILOSOPHY

To support client through advanced technology
To serve client through excellent quality
To delight client through considerate service

ENTERPRISE CORE VALUES

Customer	Innovation
Quality	Service
Integrity	Respect
Responsibility	Win-win

DEVELOPMENT HISTORY

2010

- BOKE established.

2012

- Expanded scale and moved to new production base in Dongguan city.
- Introduced dual-stage driver with true flicker-free technology.
- Introduce intelligent aging equipment.

2013

- Obtained the ISO9001 quality certification.
- Obtained the title of high-tech enterprise.
- Production with automated test equipment.

2014

- Launched 1-10V,PUSH,DALI dimmable drivers.

2015

- Certified laboratory established and put into use.
- Become a member of DiiA.
- Launched DALI-1 DT6 drivers.
- Launched linear dimmable drivers.

2016

- Launched HPC technology and use to dimmable drivers, greatly improving the performance and stability of driver.

2017

- Imported DALI-2 test equipment from Germany and started developing DALI-2 drivers.

2018

- Launched DALI-2 DT6 drives.
- Import many new aging equipments.

2019

- Launched DALI DT8 drivers.
- Launched DALI-2, 1-10V dimming high-power waterproof driver series.
- Launched DALI-2 system and applied in PingAn Financial Center.

2020

- Launched DALI-2 DT8 (CCT) driver certificate.
- Become a member of Bluetooth SIG.
- Launched IoT wireless drivers.

2021

- Established Guangdong BOKE driver Co., Ltd.
- Launched programming technology of dimmable driver and related products

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LABORATORY CENTER AND PRODUCTION CENTER

BOKE has a senior R&D team, mature verification system and laboratory center to ensure the reliability of products in design. The laboratory center has the qualifications of TUV witness laboratory, standard design and standardized, including safety laboratory, EMC Laboratory, DALI Laboratory, Waterproofing laboratory, RoHS laboratory, environmental laboratory, optical laboratory, lifetime laboratory, etc.

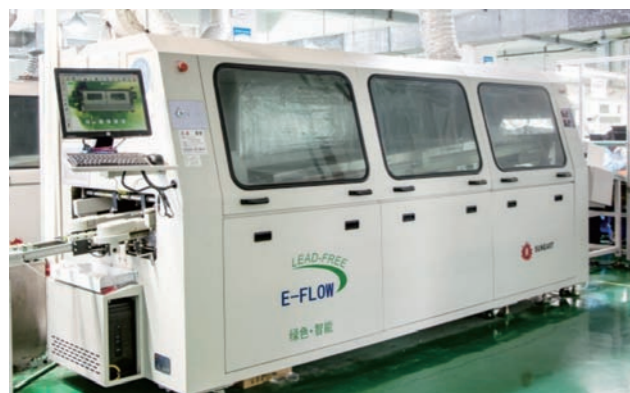
At the same time BOKE also has a modern production center and production management system to ensure the reliability of product in production. The production center has SMT workshop, AI workshop, material processing workshop, DIP workshop, glue pouring workshop, aging workshop, assembly workshop and so on..

All products are 100% tested and 100% aging, and all products are fully automatically tested with ATE developed by our company.

Production equipment



Aging equipment



Wave soldering equipment



SMT equipment



Screw fixing equipment

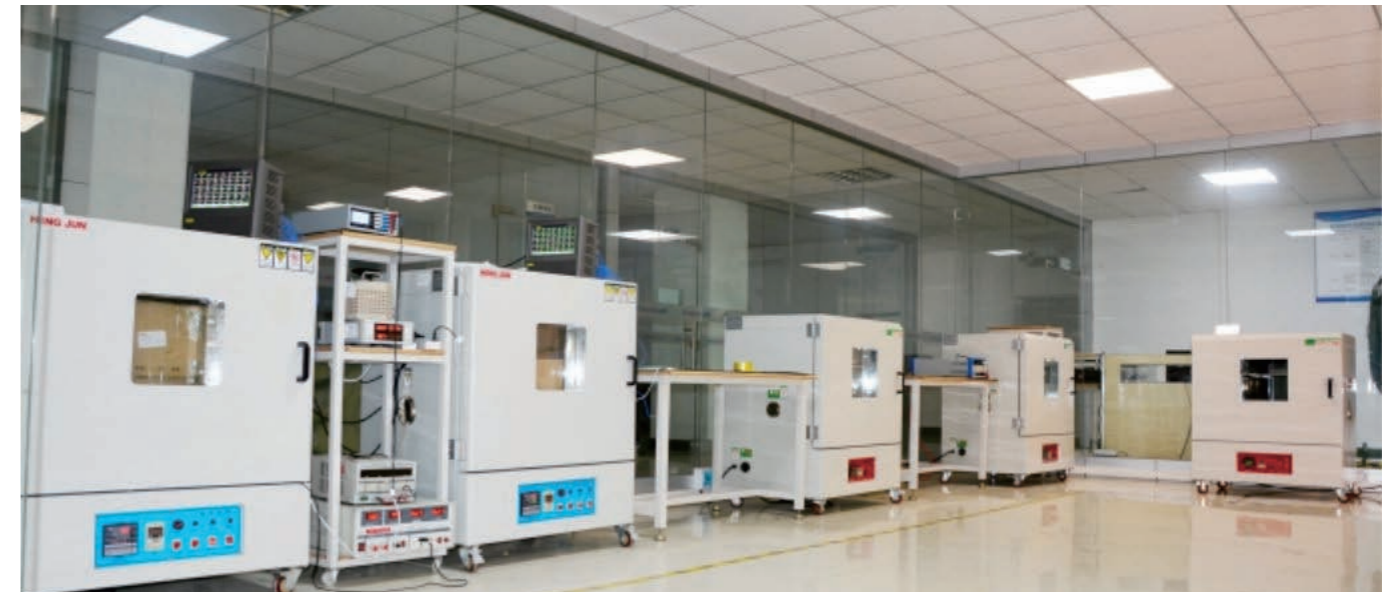


Automatic test equipment



Production line

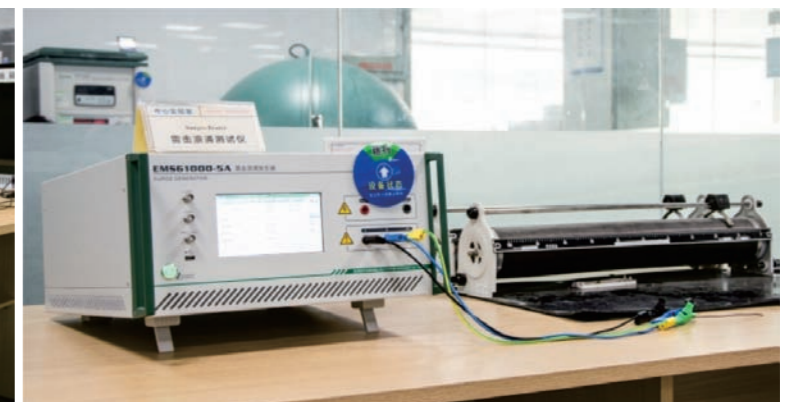
Laboratory center



Reliability test equipment



DALI test equipment



Surge test equipment



RoHS test equipment



Flicker-free test equipment



Safety test equipment



IPxx test equipment



ESD test equipment

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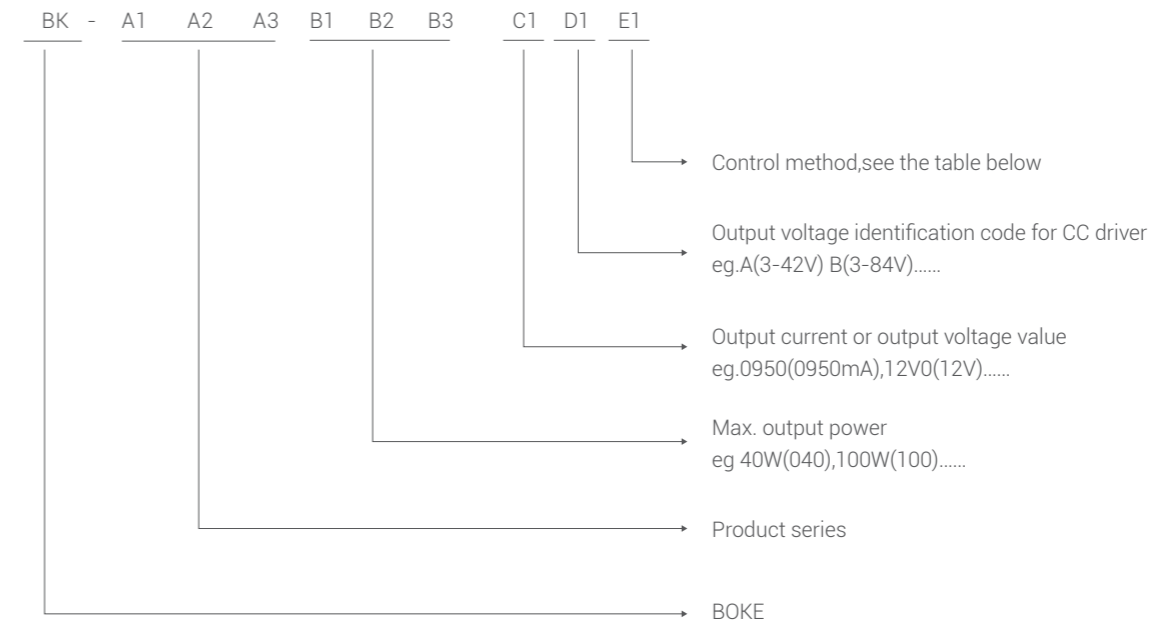
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Model coding rule of driver





Control method coding

Coding	Control by	Coding	Control by
Blank	Not support	Blank	Not support
B	Bluetooth MESH/+other	b	Bluetooth mesh only
D	DALI/+other	d	DALI only
G	2.4G/+other	g	2.4G only
M	0/1-10V/+other	m	0/1-10V only
P	PUSH/+other	p	PUSH only
R	Thread+other	r	Thread only
S	Ac switch+other	s	Ac switch only
T	TRIAC+other	t	TRIAC only
W	Wi-Fi+other	w	Wi-Fi only
Z	Zigbee+other	z	Zigbee only


Parameter selection table of waterproof driver

CC dimmable driver(IP65/IP67)

Picture	Model No.	Input voltage	Max output	Output voltage	Output current	Power factor	Full load Efficiency	THD	IP rating	Dimension(mm)
	BK-DML022-0600Ad	200-240VAC	22.0W	24-42VDC	0.45-0.60A	0.95	88%	15%	IP67	L137*W43.5*H34
	BK-DML040-1050Am	200-240VAC	22.0W	24-42VDC	0.45-0.60A	0.95	88%	15%	IP67	L137*W43.5*H34
	BK-DML040-1050Ad	200-240VAC	40.0W	24-42VDC	0.50-1.10A	0.95	88%	10%	IP67	L145*W50.0*H34
	BK-DML040-1050Am	200-240VAC	40.0W	24-42VDC	0.50-1.10A	0.95	88%	10%	IP67	L145*W50.0*H34
	BK-DML060-1650AD	200-240VAC	60.0W	24-42VDC	0.90-1.65A	0.95	90%	10%	IP67	L160*W50.0*H34
	BK-DML060-1650AM	200-240VAC	60.0W	24-42VDC	0.90-1.65A	0.95	90%	10%	IP67	L160*W50.0*H34
	BK-DML150-4200AD	200-240VAC	150W	24-42VDC	2.40-4.20A	0.95	91%	10%	IP67	L220*W68.0*H41.5
	BK-DML150-4200AM	200-240VAC	150W	24-42VDC	2.40-4.20A	0.95	91%	10%	IP67	L220*W68.0*H41.5

Picture	Model No.	Input voltage	Max output	Output voltage	Output current	Power factor	Full load Efficiency	THD	IP rating	Dimension(mm)
	BK-BDL030-0700Ad	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	90%	10%	IP65	L103.5*W68.5*H35
	BK-BDL030-0700AM	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	90%	10%	IP65	L103.5*W68.5*H35
	BK-BDL042-1000Ad	200-240VAC	42.0W	3-42VDC	0.60-1.00A	0.95	90%	10%	IP65	L103.5*W68.5*H35
	BK-BDL042-1000AM	200-240VAC	42.0W	3-42VDC	0.60-1.00A	0.95	90%	10%	IP65	L103.5*W68.5*H35
	BK-BDL042-1050Ad	200-240VAC	42.0W	3-40VDC	1.01-1.05A	0.95	90%	10%	IP65	L103.5*W68.5*H35
	BK-BDL042-1050AM	200-240VAC	42.0W	3-40VDC	1.01-1.05A	0.95	90%	10%	IP65	L103.5*W68.5*H35
	BK-BDL042-1100Ad	200-240VAC	41.8W	3-38VDC	1.06-1.10A	0.95	90%	10%	IP65	L103.5*W68.5*H35
	BK-BDL042-1100AM	200-240VAC	41.8W	3-38VDC	1.06-1.10A	0.95	90%	10%	IP65	L103.5*W68.5*H35

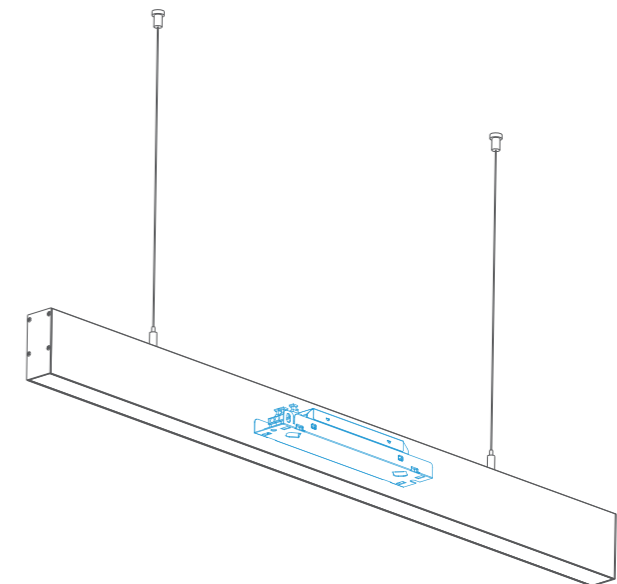
Parameter selection table of wireless driver

Picture	Model No.	Input voltage	Max output	Output voltage	Output current	Power factor	Full load Efficiency	THD	IP rating	Dimension(mm)
	BK-DUL042-0700BWB	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	10%	IP20	L103*W68.5*H30.5
	BK-DUL042-0700BBT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	10%	IP20	L103*W68.5*H30.5
	BK-DUL042-0700BZT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	10%	IP20	L103*W68.5*H30.5
	BK-DUL042-0700BZT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	10%	IP20	L103*W68.5*H30.5
	BK-DUL042-1100ABT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	10%	IP20	L103*W68.5*H30.5
	BK-DUL042-1100AZT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	10%	IP20	L103*W68.5*H30.5
	BK-DUL060-2000AWBT	200-240VAC	62.0W	6-42VDC	0.80-2.00A	0.95	89%	10%	IP20	L123.5*W79.5*H31
	BK-DUL060-2000ABT	200-240VAC	62.0W	6-42VDC	0.80-2.00A	0.95	89%	10%	IP20	L123.5*W79.5*H31
	BK-DUL060-2000AZT	200-240VAC	62.0W	6-42VDC	0.80-2.00A	0.95	89%	10%	IP20	L123.5*W79.5*H31



LINEAR DRIVER SERIES

Suitable for linear lights, tri-proof lights, working lights and other linear or ultra-thin lights. Support DALI-2/PUSH/1-10V/10V PWM/Rx/IoT(XDIM) interface and other dimming methods. 10W-80W DT6(DIM) and DT8(CCT) optional.



CWL series

CC Linear on/off driver

Features

- Flicker-free,meets the requirements of flicker-free
- High power factor,low harmonics
- Dual-stage circuit design,work stable
- Withstand 380VAC high voltage short-time shock
- Turn on delay time <0.5s
- With SCP/OTP protection
- Class II applications can be achieved by adding accessories
- Passed ENEC-TUV,CE,RCM,CCC certifications



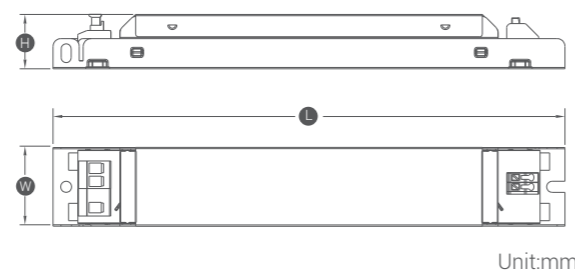
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-CWL013-0300A	200-240VAC	12.6W	28-42VDC	0.15-0.30A	0.95	89%	15%	60°C	85°C	90g	L158*W30*H21
BK-CWL013-0350A	200-240VAC	14.0W	28-40VDC	0.30-0.35A	0.95	89%	15%	60°C	85°C	90g	L158*W30*H21
BK-CWL022-0500A	200-240VAC	21.0W	28-42VDC	0.25-0.50A	0.95	89%	15%	60°C	85°C	105g	L158*W30*H21
BK-CWL022-0550A	200-240VAC	22.0W	28-40VDC	0.50-0.55A	0.95	89%	15%	60°C	85°C	105g	L158*W30*H21
BK-CWL022-0600A	200-240VAC	22.8W	28-38VDC	0.55-0.60A	0.95	89%	15%	60°C	85°C	105g	L158*W30*H21
BK-CWL030-0750A	200-240VAC	31.5W	28-42VDC	0.55-0.75A	0.95	90%	15%	60°C	85°C	150g	L195*W30*H21
BK-CWL040-0950A	200-240VAC	39.9W	28-42VDC	0.75-0.95A	0.95	90%	15%	60°C	90°C	150g	L195*W30*H21
BK-CWL040-1000A	200-240VAC	40.0W	28-40VDC	0.95-1.00A	0.95	90%	15%	60°C	90°C	150g	L195*W30*H21
BK-CWL050-1200A	200-240VAC	50.0W	28-42VDC	0.95-1.20A	0.95	90%	10%	60°C	90°C	200g	L285*W30*H21
BK-CWL050-1250A	200-240VAC	50.0W	28-40VDC	1.20-1.25A	0.95	90%	10%	60°C	90°C	200g	L285*W30*H21
BK-CWL060-1400A	200-240VAC	58.8W	28-42VDC	1.20-1.40A	0.95	90%	10%	60°C	90°C	235g	L285*W30*H21
BK-CWL060-1500A	200-240VAC	60.0W	28-40VDC	1.45-1.50A	0.95	90%	10%	60°C	90°C	235g	L285*W30*H21
BK-CWL060-1600A	200-240VAC	57.6W	28-36VDC	1.55-1.60A	0.95	90%	10%	60°C	90°C	235g	L285*W30*H21
BK-CWL080-1900A	200-240VAC	79.8W	28-42VDC	1.40-1.90A	0.95	90%	10%	60°C	90°C	380g	L355*W36*H23
BK-CWL080-1950A	200-240VAC	79.95W	28-41VDC	1.90-1.95A	0.95	90%	10%	60°C	90°C	380g	L355*W36*H23
BK-CWL080-2000A	200-240VAC	80.0W	28-40VDC	1.95-2.00A	0.95	90%	10%	60°C	90°C	380g	L355*W36*H23

Specifications

Item	Parameter
Rated voltage	220-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30 min)
Protection class	Class I,SELV
Output current accuracy	5%
Power on time	<0.5s
No-load voltage	<50V
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



BYL series

CC Linear on/off driver

Features

- Built in active PFC function,high PF,low THD
- Withstand 380VAC high voltage short-time shock
- Turn on delay time <0.5s
- With SCP/OTP protection
- Class II applications can be achieved by adding accessories
- Passed ENEC-TUV,CE,RCM certifications



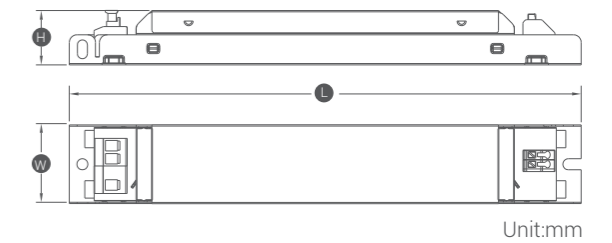
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-BYL022-0500	200-240VAC	21.0W	27-42VDC	0.10-0.50A	0.90	88%	20%	55°C	75°C	125g	L195*W30*H21
BK-BYL022-0550	200-240VAC	22.0W	27-40VDC	0.51-0.55A	0.90	88%	20%	55°C	75°C	125g	L195*W30*H21
BK-BYL030-0700	200-240VAC	29.4W	27-42VDC	0.56-0.70A	0.90	88%	20%	55°C	85°C	125g	L195*W30*H21
BK-BYL030-0750	200-240VAC	30.0W	27-40VDC	0.71-0.75A	0.90	88%	20%	55°C	85°C	125g	L195*W30*H21
BK-BYL040-0950	200-240VAC	39.9W	27-42VDC	0.76-0.95A	0.90	89%	20%	55°C	90°C	135g	L195*W30*H21
BK-BYL040-1000	200-240VAC	40.0W	27-40VDC	0.96-1.00A	0.90	89%	20%	55°C	90°C	135g	L195*W30*H21
BK-BYL050-1250	200-240VAC	52.5W	27-42VDC	1.01-1.25A	0.90	89.5%	20%	55°C	90°C	207g	L285*W30*H21
BK-BYL050-1300	200-240VAC	52.0W	27-40VDC	1.26-1.30A	0.90	89.5%	20%	55°C	90°C	207g	L285*W30*H21
BK-BYL060-1450	200-240VAC	60.9W	27-42VDC	1.31-1.45A	0.90	89.5%	15%	55°C	90°C	215g	L285*W30*H21
BK-BYL060-1500	200-240VAC	60.0W	27-40VDC	1.46-1.50A	0.90	89.5%	15%	55°C	90°C	215g	L285*W30*H21

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30 min)
Protection class	Class I,SELV
Output current accuracy	5%
Power on time	<0.5s
No-load voltage	<50V
Surge	L-N:2KV,L/N-FG:2KV
Operation temperature	-20°C+55°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



MHL series

CC Linear dimmable driver

Features

- Support 1-10V/10V PWM/Rx dimming+12V auxiliary power
- Provide 12V 100mA auxiliary power supply to power control module or sensor
- 10-level current output can be realized by DIP-switch
- Soft dimming and flicker-free at any brightness
- Using HPC patent technology,at any dimming level,the brightness between lights is same
- 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 II design,suitable for use inside of the light
- Passed ENEC-TUV,CE,RCM,CCC and other certifications



Parameters

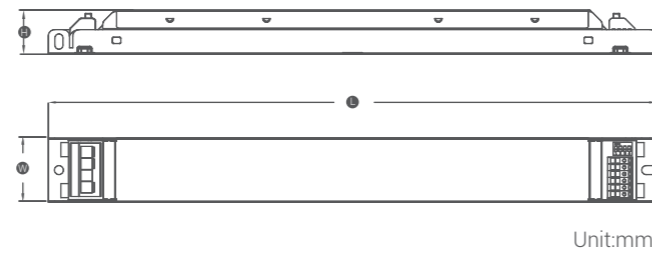
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-MHL042-1100Bm	200-240VAC	44W	6-54VDC	0.65-1.1A	0.95	90%	10%	60°C	90°C	225g	L285*W30*H21
BK-MHL042-1100BM	200-240VAC	44W	6-54VDC	0.65-1.1A	0.95	90%	10%	60°C	90°C	225g	L285*W30*H21
BK-MHL050-1300Bm	200-240VAC	52W	6-54VDC	0.85-1.3A	0.95	90%	10%	60°C	90°C	228g	L285*W30*H21
BK-MHL050-1300BM	200-240VAC	52W	6-54VDC	0.85-1.3A	0.95	90%	10%	60°C	90°C	228g	L285*W30*H21

Suffix M=1-10V/10 PWM/Rx+12V Suffix m=1-10V/10 PWM/Rx

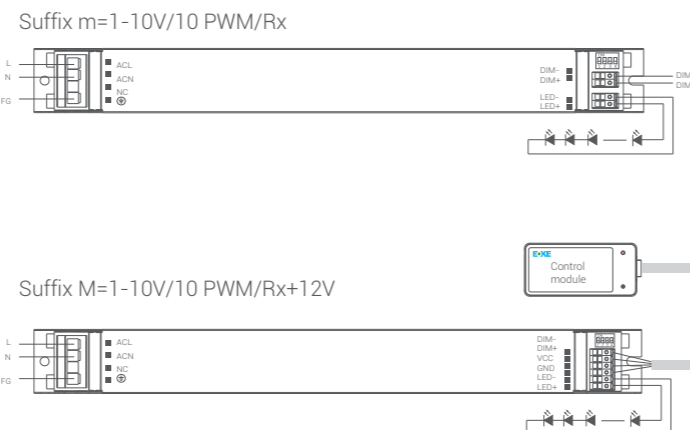
Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30 min)
Protection class	Class II,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.6s
Standby power	<0.5W
No-load voltage	N/A
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



BHL series

CC Linear dimmable driver

Features

- Supports DALI-2 or 1-10V/10V PWM dimming methods
- Constant current output with multiple levels selectable by DIP.switch
- Same current output between the drivers at any dimming level
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100%
- Output current accuracy is 1%
- Power on time <0.5s,on stand-by < 0.5W
- High PFC and efficiency,low THD
- With LED hot plug-in protection
- Passed ENEC-TUV,CE,RCM,DALI-2 certifications



Parameters

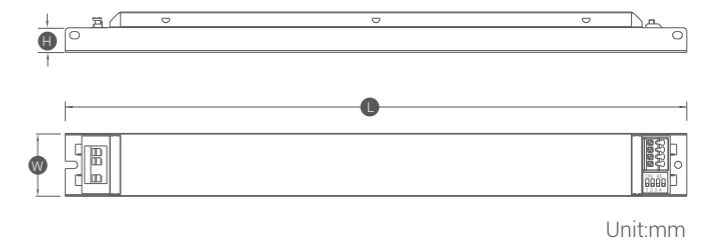
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-BHL030-0750AD	200-240VAC	30.0W	3-42VDC	0.30-0.75A	0.95	87%	10%	60°C	90°C	168g	L245*W30*H21
BK-BHL030-0750AM	200-240VAC	30.0W	3-42VDC	0.30-0.75A	0.95	87%	10%	60°C	90°C	168g	L245*W30*H21
BK-BHL040-1000AD	200-240VAC	40.0W	3-42VDC	0.55-1.00A	0.95	89%	10%	60°C	90°C	205g	L285*W30*H21
BK-BHL040-1000AM	200-240VAC	40.0W	3-42VDC	0.55-1.00A	0.95	89%	10%	60°C	90°C	205g	L285*W30*H21
BK-BHL050-1250AD	200-240VAC	50.0W	3-42VDC	0.80-1.25A	0.95	90%	10%	60°C	90°C	230g	L285*W30*H21
BK-BHL050-1250AM	200-240VAC	50.0W	3-42VDC	0.80-1.25A	0.95	90%	10%	60°C	90°C	230g	L285*W30*H21
BK-BHL060-1650AD	200-240VAC	60.0W	3-42VDC	1.20-1.65A	0.95	90%	10%	60°C	90°C	305g	L355*W30*H21
BK-BHL060-1650AM	200-240VAC	60.0W	3-42VDC	1.20-1.65A	0.95	90%	10%	60°C	90°C	305g	L355*W30*H21
BK-BHL070-2000AD	200-240VAC	70.3W	3-42VDC	1.30-2.00A	0.95	90%	10%	60°C	90°C	360g	L355*W36*H23
BK-BHL070-2000AM	200-240VAC	70.3W	3-42VDC	1.30-2.00A	0.95	90%	10%	60°C	90°C	360g	L355*W36*H23

Suffix D=DALI-2 Suffix M=1-10V/10V PWM/Rx

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30 min)
Protection class	Class I,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.5W
No-load voltage	<50V
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



CJL series

CC Linear dimmable driver

Features

- Supports 12V+1-10V/10V PWM/Rx dimming methods
- Aux power 12V+1-10V dimming interfaces for control module or sensor
- Constant current output with multiple levels selectable by DIP switch
- Same current output between the drivers at any dimming level
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100%
- Output current accuracy is 1%
- Power on time <0.5s, on stand-by < 0.5W
- High PFC and efficiency, low THD
- Passed ENEC-TUV, CE, RCM, certifications



Parameters

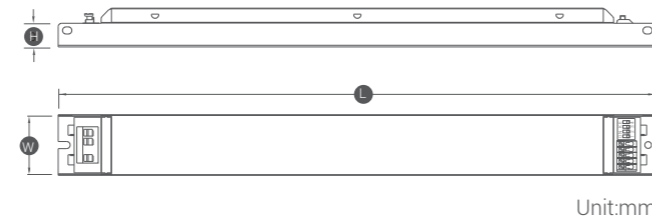
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-CJL030-0750AM	200-240VAC	30.0W	6-42VDC	0.30-0.75A	0.95	88%	10%	60°C	90°C	180g	L245*W30*H21
BK-CJL040-1050AM	200-240VAC	42.0W	6-42VDC	0.60-1.05A	0.95	89%	10%	60°C	90°C	228g	L285*W30*H21
BK-CJL050-1250AM	200-240VAC	50.4W	6-42VDC	0.80-1.25A	0.95	89%	10%	60°C	90°C	235g	L285*W30*H21
BK-CJL060-1650AM	200-240VAC	63.0W	6-42VDC	1.20-1.65A	0.95	90%	10%	60°C	90°C	270g	L355*W30*H21
BK-CJL080-2000AM	200-240VAC	80.0W	6-42VDC	1.55-2.00A	0.95	90%	10%	60°C	90°C	360g	L355*W36*H23

Suffix M=12V+1-10V/10V PWM/Rx

Specifications

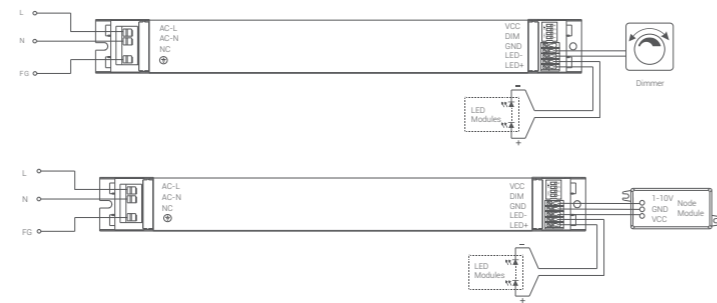
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30 min)
Protection class	Class I, SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.5W
Auxiliary power	12V, 100mA
No-load voltage	<50V
Surge	L-N:2KV, L/N-FG:2KV
Flicker-free	Pst LM <1, SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram

Suffix M=12V+1-10V/10V PWM/Rx



DHL series

CC Linear dimmable driver

Features

- Supports DALI-2+PUSH+1-10V/10V PWM/Rx dimming methods
- Constant current output with multiple levels selectable by DIP switch
- Same current output between the drivers at any dimming level
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100%
- Output current accuracy is 1%
- Power on time <0.5s, on stand-by < 0.5W
- High PFC and efficiency, low THD
- Support wide voltage range output (6-54V) for various light sources use
- With LED hot plug-in and LED over-power protection
- Passed ENEC-TUV, CE, RCM, DALI-2 certifications



Parameters

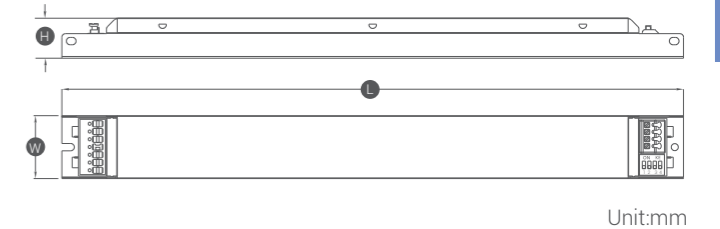
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DHL030-0750BD	200-240VAC	31.5W	6-54VDC	0.20-0.75A	0.95	87%	10%	60°C	90°C	170g	L245*W30*H21
BK-DHL030-0750BP	200-240VAC	31.5W	6-54VDC	0.20-0.75A	0.95	87%	10%	60°C	90°C	170g	L245*W30*H21
BK-DHL040-1100BD	200-240VAC	44.2W	6-54VDC	0.35-1.10A	0.95	89%	10%	60°C	90°C	239g	L285*W30*H21
BK-DHL040-1100BP	200-240VAC	44.2W	6-54VDC	0.35-1.10A	0.95	89%	10%	60°C	90°C	239g	L285*W30*H21
BK-DHL050-1300BD	200-240VAC	54.0W	6-54VDC	0.55-1.30A	0.95	90%	10%	60°C	90°C	255g	L285*W30*H21
BK-DHL050-1300BP	200-240VAC	54.0W	6-54VDC	0.55-1.30A	0.95	90%	10%	60°C	90°C	255g	L285*W30*H21
BK-DHL060-1650BD	200-240VAC	65.0W	6-54VDC	0.90-1.65A	0.95	90%	10%	60°C	90°C	275g	L355*W30*H21
BK-DHL060-1650BP	200-240VAC	65.0W	6-54VDC	0.90-1.65A	0.95	90%	10%	60°C	90°C	275g	L355*W30*H21
BK-DHL080-2000AD	200-240VAC	80.0W	6-42VDC	1.25-2.00A	0.95	90%	10%	60°C	90°C	373g	L355*W36*H23
BK-DHL080-2000AP	200-240VAC	80.0W	6-42VDC	1.25-2.00A	0.95	90%	10%	60°C	90°C	373g	L355*W36*H23

Suffix D=DALI-2+PUSH+1-10V/10V PWM/Rx Suffix P=PUSH+1-10V/10V PWM/Rx

Specifications

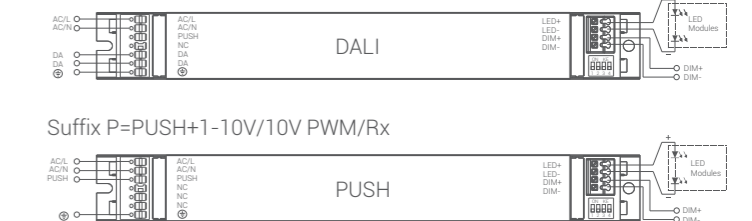
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30 min)
Protection class	Class I, SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.3W
No-load voltage	<63V
Surge	L-N:2KV, L/N-FG:2KV
Flicker-free	Pst LM <1, SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram

Suffix D=DALI-2+PUSH+1-10V/10V PWM/Rx



DGL series

CC Linear tunable white driver(DT8)

Features

- Tunable white and dimmable constant current driver (DT8 sub tc)
- Supports DALI-2+PUSH-DIM+PUSH-CCT dimming methods
- Constant current output with multiple levels selectable by DIP switch
- Using HPC patent technology, at any dimming level, the brightness between lights is same
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100%, output current accuracy is 1%
- Power on time <0.5s, on stand-by < 0.3W
- High PFC and efficiency, low THD
- With LED hot plug-in and LED over-power protection
- Passed ENEC-TUV,CE,RCM,DALI-2 certifications



Parameters

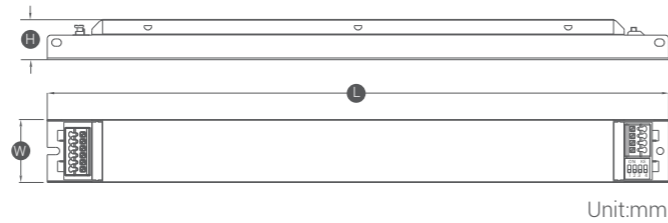
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DGL042-1050AD	200-240VAC	42.0W	12-42VDC	0.60-1.05A	0.95	89%	10%	60°C	90°C	242g	L285*W30*H21
BK-DGL060-1500AD	200-240VAC	63.0W	12-42VDC	1.05-1.50A	0.95	89%	10%	60°C	90°C	285g	L355*W30*H21
BK-DGL060-2000AD	200-240VAC	62.0W	12-42VDC	1.55-2.00A	0.95	89%	10%	60°C	90°C	285g	L355*W30*H21

Suffix D=DALI-2+PUSH-DIM+PUSH-CCT

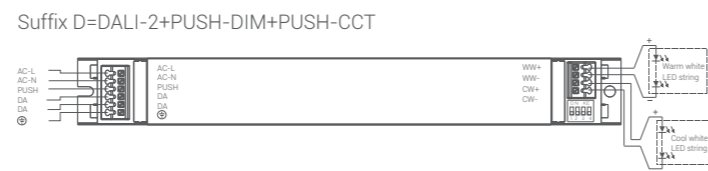
Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30 min)
Protection class	Class I,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.3W
No-load voltage	<50V
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



HGV series

CV Linear on/off driver

Features

- Suitable for driving constant voltage lights
- Linear shape design for easier installation
- Screwless terminal design
- AC 220-240V or AC100~240V input is available
- DC12V/24V/48V constant voltage output is available
- Flicker-free
- Power on time <0.5s
- High PFC, low THD
- Designed according to LED lighting certification standards
- Passed ENEC-TUV,CE,RCM,CCC certifications



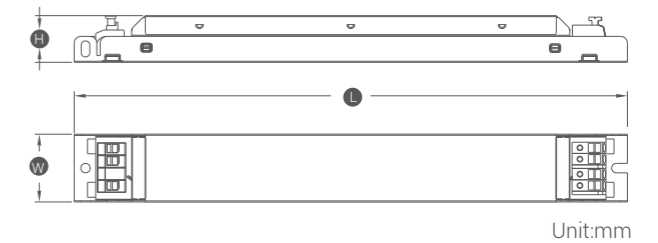
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-HGV022-12V0	200-240VAC	21.6W	12VDC	1.8A	0.50	83%	N/A	60°C	90°C	130g	L195*W30*H21
BK-HGV022-24V0	200-240VAC	21.6W	24VDC	0.9A	0.50	86%	N/A	60°C	90°C	130g	L195*W30*H21
BK-HGV048-12V0	200-240VAC	48.0W	12VDC	4.0A	0.95	85%	15%	50°C	90°C	185g	L245*W30*H21
BK-HGV048-24V0	200-240VAC	48.0W	24VDC	2.0A	0.95	86%	15%	50°C	90°C	185g	L245*W30*H21
BK-HGV060-12V0	200-240VAC	60.0W	12VDC	5.0A	0.95	87%	15%	50°C	90°C	215g	L285*W30*H21
BK-HGV060-24V0	200-240VAC	60.0W	24VDC	2.5A	0.95	88%	15%	50°C	90°C	215g	L285*W30*H21
BK-HGV072-12V0	200-240VAC	72.0W	12VDC	6.0A	0.95	89%	15%	50°C	90°C	290g	L355*W30*H21
BK-HGV072-24V0	200-240VAC	72.0W	24VDC	3.0A	0.95	90%	15%	50°C	90°C	290g	L355*W30*H21
BK-HGV070-48V0	200-240VAC	72.0W	48VDC	1.5A	0.95	90%	15%	60°C	90°C	300g	L355*W30*H21
BK-HGV100-24V0	200-240VAC	96.0W	24VDC	4.0A	0.95	90%	10%	50°C	90°C	290g	L355*W30*H21
BK-HGV100-48V0	200-240VAC	96.0W	48VDC	2.0A	0.95	90%	10%	50°C	90°C	290g	L355*W30*H21
BK-HGV150-24V0	200-240VAC	144W	24VDC	6.0A	0.95	90%	10%	50°C	90°C	418g	L355*W36*H23
BK-HGV150-48V0	200-240VAC	144W	48VDC	3.0A	0.95	90%	10%	50°C	90°C	418g	L355*W36*H23

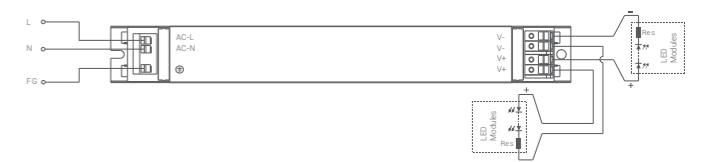
Specifications

Item	Parameter
Rated voltage	220-240VAC
Limited voltage	180-264VAC
Overvoltage protection	380V(30 min)
Protection class	Class I,SELV
Output voltage accuracy	5%
Power on time	<0.5s
No-load power	<0.5W
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



DGV series

CV Linear dimmable driver

Features

- Support DALI-2 dimming (DT6)+PUSH(Switch-dim)
- Suitable for driving constant voltage lights
- Soft dimming and flicker-free at any brightness
- 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 light
- Passed ENEC-TUV,CE,RCM,CCC,DALI-2 and other certifications



Parameters

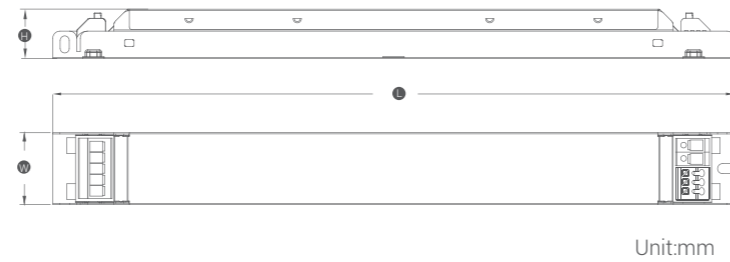
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DGV060-24V0d	200-240VAC	60W	24VDC	2.5A	0.95	90%	10%	60°C	90°C	250g	L285*W30*H21
BK-DGV100-24V0d	200-240VAC	100W	24VDC	4.2A	0.95	92%	10%	60°C	90°C	288g	L355*W30*H21
BK-DGV150-24V0d	200-240VAC	144W	24VDC	6.0A	0.95	90%	10%	60°C	90°C	430g	L355*W36*H23

Suffix d=DALI-2

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	200-240VAC/200-240VDC
Overvoltage protection	380V(30 min)
Protection class	Class I,SELV
Output voltage accuracy	5%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.6W
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

Wiring diagram



MGV series

CV Linear dimmable driver

Features

- Support 1-10V/10V PWM/Rx dimming+12V auxiliary power
- Provide 12V 100mA auxiliary power to power control module or sensor
- Suitable for driving constant voltage lights
- Soft dimming and flicker-free at any brightness
- 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 light
- Passed ENEC-TUV,CE,RCM,CCC and other certifications



Parameters

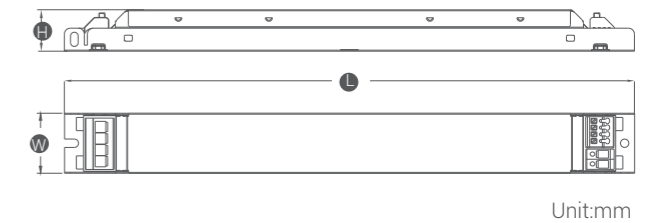
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-MGV060-24V0m	200-240VAC	60.0W	24VDC	2.5A	0.95	90%	10%	60°C	90°C	250g	L285*W30*H21
BK-MGV060-24V0M	200-240VAC	60.0W	24VDC	2.5A	0.95	90%	10%	60°C	90°C	250g	L285*W30*H21
BK-MGV100-24V0m	200-240VAC	100.0W	24VDC	4.2A	0.95	92%	10%	60°C	90°C	288g	L355*W30*H21
BK-MGV100-24V0M	200-240VAC	100.0W	24VDC	4.2A	0.95	92%	10%	60°C	90°C	288g	L355*W30*H21
BK-MGV150-24V0m	200-240VAC	144.0W	24VDC	6.0A	0.95	92%	10%	60°C	90°C	430g	L355*W36*H23
BK-MGV150-24V0M	200-240VAC	144.0W	24VDC	6.0A	0.95	92%	10%	60°C	90°C	430g	L355*W36*H23

Suffix M=1-10V/10V PWM/Rx+12V Suffix m=1-10V/10V PWM/Rx

Specifications

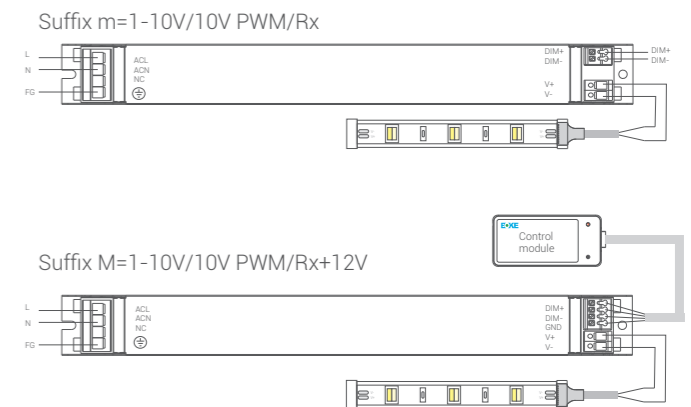
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class I,SELV
Output voltage accuracy	5%
Power on time	<0.6s
Standby power	<0.5W
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

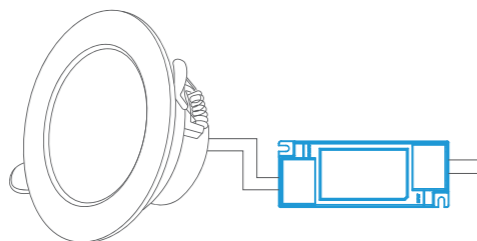
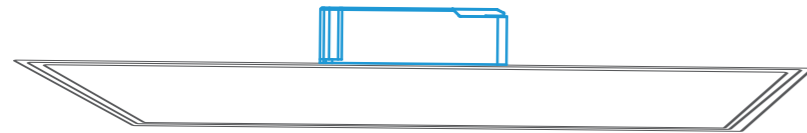
Wiring diagram





INDEPENDENT DRIVER SERIES

Suitable for lights with external drivers, such as spotlights, downlights, panel lights, etc.
Support DALI-2/PUSH/1-10V/10V PWM/Rx/IoT(XDIM) interface/wireless and other dimming methods.
3W-60W DT6(DIM)DT8(CCT) optional.



BEL series

CC Independent on/off driver

Features

- Screw-free design, easy wiring
- Pushable strain relief design, easy to crimp and install
- Compact housing design
- Flicker-free output, which meets the requirement of flicker-free standard
- High power factor, low harmonics
- Withstand 380VAC high voltage short-time shock
- Turn on delay time <math><0.5s</math>
- With SCP/OTP protection
- Passed ENEC-TUV, CE, RCM, CCC certifications



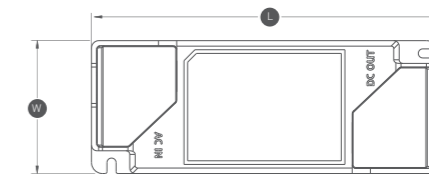
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-BEL040-0700	200-240VAC	29.4W	28-42VDC	0.50-0.70A	0.95	87%	15%	45°C	90°C	95g	L119*W42.5*H28
BK-BEL040-0950	200-240VAC	39.9W	28-42VDC	0.75-0.95A	0.95	89%	15%	45°C	90°C	95g	L119*W42.5*H28
BK-BEL040-1000	200-240VAC	40.0W	28-40VDC	0.95-1.00A	0.95	89%	15%	45°C	90°C	95g	L119*W42.5*H28

Specifications

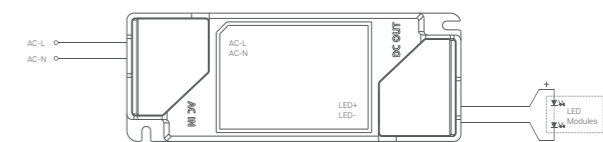
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II, SELV
Output current accuracy	5%
Power on time	<math><0.5s</math>
No-load voltage	<math><50V</math>
Surge	L-N:2KV
Flicker-free	Pst LM <math><1</math>, SVM <math><0.4</math>
Operation temperature	20°C+45°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

Wiring diagram



PQL series

CC Independent on/off driver

Features

- Screwless design for easy installation
- Pushable strain relief design for easy installation
- Compact housing design
- Flicker-free, meets the requirements of Flicker-free
- Built in active PFC function, high PF, low THD
- Withstand 380VAC high voltage short-time shock
- Turn on delay time <0.5s
- With SCP/OTP protection
- Passed ENEC-TUV, CE, RCM, CCC certifications



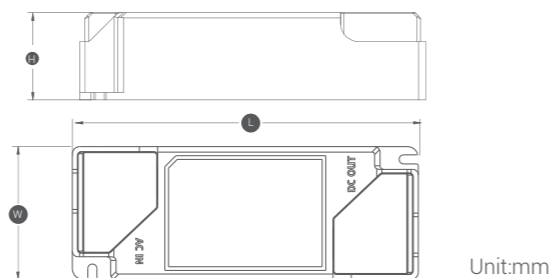
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-PQL009-0250	200-240VAC	10.5W	28-42VDC	0.15-0.25A	0.95	83%	15%	60°C	85°C	55g	L95*W36.5*H24
BK-PQL013-0300	200-240VAC	12.6W	28-42VDC	0.25-0.30A	0.95	83%	15%	50°C	85°C	55g	L95*W36.5*H24
BK-PQL013-0350	200-240VAC	14.0W	28-40VDC	0.30-0.35A	0.95	83%	15%	50°C	80°C	55g	L95*W36.5*H24
BK-PQL018-0400	200-240VAC	16.8W	28-42VDC	0.35-0.40A	0.95	85%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-PQL018-0450	200-240VAC	18.0W	28-40VDC	0.40-0.45A	0.95	85%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-PQL022-0500	200-240VAC	21.0W	28-42VDC	0.40-0.50A	0.95	85%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-PQL022-0550	200-240VAC	22.0W	28-40VDC	0.55-0.55A	0.95	85%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-PQL022-0600	200-240VAC	22.8W	28-38VDC	0.55-0.60A	0.95	85%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-PQL040-0950	200-240VAC	39.9W	28-42VDC	0.60-0.95A	0.95	89%	10%	45°C	85°C	95g	L119*W42.5*H28
BK-PQL040-1000	200-240VAC	40.0W	28-40VDC	0.96-1.00A	0.95	89%	10%	45°C	85°C	95g	L119*W42.5*H28
BK-PQL042-1000	200-240VAC	42.0W	28-42VDC	0.60-1.00A	0.95	89%	10%	45°C	85°C	118g	L135*W45*H30
BK-PQL042-1050	200-240VAC	42.0W	28-40VDC	1.00-1.05A	0.95	89%	10%	45°C	85°C	118g	L135*W45*H30
BK-PQL042-1100	200-240VAC	41.8W	28-38VDC	1.05-1.10A	0.95	89%	10%	45°C	85°C	118g	L135*W45*H30
BK-PQL050-1200	200-240VAC	50.4W	28-42VDC	1.15-1.20A	0.95	89%	10%	45°C	85°C	151g	L135*W45*H30
BK-PQL050-1250	200-240VAC	50.0W	30-42VDC	1.20-1.25A	0.95	89%	10%	45°C	85°C	151g	L135*W45*H30
BK-PQL060-1400	200-240VAC	58.8W	28-42VDC	1.30-1.40A	0.95	89%	10%	45°C	90°C	195g	L156*W50*H32
BK-PQL060-1550	200-240VAC	60.0W	28-40VDC	1.50-1.55A	0.95	89%	10%	45°C	90°C	195g	L156*W50*H32
BK-PQL060-1600	200-240VAC	57.6W	28-36VDC	1.55-1.60A	0.95	89%	10%	45°C	90°C	195g	L156*W50*H32

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II, SELV
Output current accuracy	5%
Power on time	<0.5s
No-load voltage	<50V
Surge	L-N:2KV
Flicker-free	Pst LM <1, SVM <0.4
Operation temperature	-20°C~+45°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

Wiring diagram



PLL series

CC Independent on/off driver

Features

- Stable and reliable with screws
- Flicker-free, meets the requirements of Flicker-free
- Built in active PFC function, high PF
- Withstand 380VAC high voltage short-time shock
- Power on time <0.5s
- With SCP/OTP protection
- Passed ENEC-TUV, CE, RCM, CCC certifications



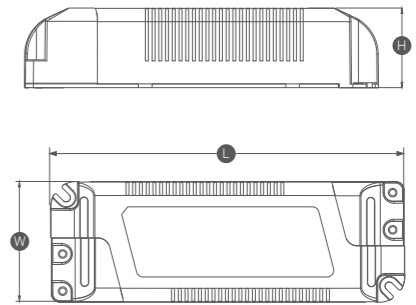
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-PLL040-0950	200-240VAC	40.0W	28-42VDC	0.50-0.95A	0.95	88%	20%	45°C	75°C	125g	L132*W45*H30
BK-PLL040-1000	200-240VAC	40.0W	28-40VDC	0.96-1.00A	0.95	88%	20%	45°C	75°C	125g	L132*W45*H30
BK-PLL042-0950	200-240VAC	40.0W	28-42VDC	0.65-0.95A	0.95	88%	20%	45°C	85°C	125g	L132*W45*H30
BK-PLL042-1050	200-240VAC	42.0W	28-40VDC	0.95-1.05A	0.95	88%	20%	45°C	85°C	125g	L132*W45*H30
BK-PLL042-1100	200-240VAC	42.0W	28-38VDC	1.05-1.10A	0.95	88%	20%	45°C	85°C	125g	L132*W45*H30

Specifications

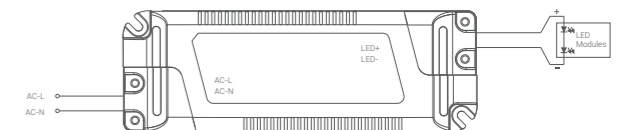
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II, SELV
Output current accuracy	5%
Power on time	<0.5s
No-load voltage	<50V
Surge	L-N:2KV
Flicker-free	Pst LM <1, SVM <0.4
Operation temperature	-20°C~+45°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

Wiring diagram



CEL series

CC Independent on/off driver

Features

- Screwless design for easy installation
- Pushable strain relief design for easy installation
- Compact housing design
- Built in active PFC function,high PF,low THD
- Withstand 380VAC high voltage short-time shock
- Turn on delay time <0.5s
- With SCP/OTP protection
- Passed ENEC-TUV,CE,RCM,CCC certifications



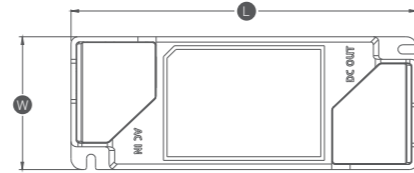
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-CELO09A-0250	200-240VAC	10.5W	27-42VDC	0.15-0.25A	0.95	83%	15%	60°C	85°C	55g	L95*W36.5*H24
BK-CELO13A-0350	200-240VAC	14.7W	27-42VDC	0.30-0.35A	0.95	83%	15%	50°C	85°C	55g	L95*W36.5*H24
BK-CELO18A-0400	200-240VAC	16.8W	27-42VDC	0.35-0.40A	0.95	86%	15%	50°C	90°C	69g	L114.5*W *H24.5
BK-CELO18A-0450	200-240VAC	18.0W	27-40VDC	0.40-0.45A	0.95	86%	15%	50°C	90°C	69g	L114.5*W *H24.5
BK-CELO22A-0500	200-240VAC	21.0W	27-42VDC	0.45-0.50A	0.95	86%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-CELO22A-0550	200-240VAC	22.0W	27-40VDC	0.50-0.55A	0.95	86%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-CELO22A-0600	200-240VAC	22.8W	27-38VDC	0.55-0.60A	0.95	86%	15%	50°C	90°C	75g	L114.5*W40.5*H24.5
BK-CELO40A-0950	200-240VAC	40.0W	27-42VDC	0.55-0.95A	0.95	88%	15%	45°C	90°C	95g	L114.5*W40.5*H28
BK-CELO40A-1000	200-240VAC	40.0W	27-40VDC	0.95-1.00A	0.95	88%	15%	45°C	90°C	95g	L114.5*W40.5*H28
BK-CELO42A-0950B	200-240VAC	39.0W	27-42VDC	0.50-0.95A	0.95	88%	15%	45°C	90°C	95g	L135*W45*H29
BK-CELO42A-1000B	200-240VAC	40.0W	27-40VDC	0.95-1.00A	0.95	88%	15%	45°C	90°C	120g	L135*W45*H29
BK-CELO42A-1000A	200-240VAC	42.0W	27-42VDC	0.60-1.00A	0.95	88%	15%	45°C	90°C	95g	L135*W45*H29
BK-CELO42A-1050A	200-240VAC	42.0W	27-40VDC	1.00-1.05A	0.95	88%	15%	45°C	90°C	120g	L135*W45*H29
BK-CELO42A-1100A	200-240VAC	41.8W	27-38VDC	1.05-1.10A	0.95	88%	15%	50°C	85°C	120g	L135*W45*H29
BK-CELO50A-1200	200-240VAC	50.4W	30-42VDC	1.15-1.20A	0.95	88%	10%	45°C	90°C	136g	L135*W45*H29
BK-CELO50A-1250	200-240VAC	50.0W	30-40VDC	1.20-1.25A	0.95	88%	10%	45°C	90°C	136g	L135*W45*H29
BK-CELO60A-1450	200-240VAC	50.3W	30-42VDC	1.30-1.45A	0.95	88%	10%	45°C	80°C	184g	L156*W50*H32
BK-CELO60A-1500	200-240VAC	60.0W	30-40VDC	1.45-1.50A	0.95	88%	10%	45°C	80°C	184g	L156*W50*H32
BK-CELO60A-1600	200-240VAC	60.8W	30-38VDC	1.55-1.60A	0.95	88%	10%	45°C	80°C	184g	L156*W50*H32
BK-CELO60A-1650	200-240VAC	59.4W	30-36VDC	1.60-1.65A	0.95	88%	10%	45°C	80°C	184g	L156*W50*H32

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overoltage protection	380V(30min)
Protection class	Class II,SELV
Output current accuracy	5%
Power on time	<0.5s
No-load voltage	<50V
Surge	L-N:2KV
Operation temperature	-20°C~+45°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



PAL series

CC Independent configurable driver

Features

- 3 levels of color temperature optional by sliding switch
- Support common anode circuit connection or independent circuit connection
- Loop-in and loop-out wiring without junction box
- Input terminals supports 0.75-1.5mm² cables,wiring is more reliable
- Screw-free and pressing type strain relief,supports thicker cables and is easier to install
- Soft dimming and flicker-free at any brightness
- High PF,high efficiency,low THD
- SELV and Class II design,suitable for use outside of the light
- Passed ENEC-TUV,CE,RCM,CCC and other certifications

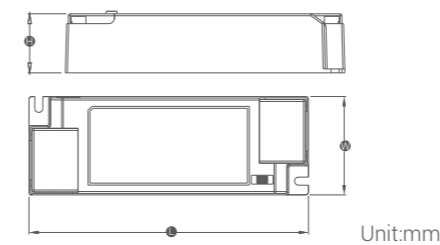


Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-PAL040-0950A1	200-240VAC	39.9W	28-42V	0.50-0.95A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL040-1000A1	200-240VAC	40.0W	28-40V	0.96-1.00A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL040-0950A2	200-240VAC	39.9W	28-42V	0.50-0.95A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL040-1000A2	200-240VAC	40.0W	28-40V	0.96-1.00A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL040-0950A3	200-240VAC	39.9W	28-42V	0.50-0.95A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL040-1000A3	200-240VAC	40.0W	28-40V	0.96-1.00A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL040-0950A4	200-240VAC	39.9W	28-42V	0.50-0.95A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL040-1000A4	200-240VAC	40.0W	28-40V	0.96-1.00A	0.95	88%	10%	45°C	90°C	135g	L142*W50*H30
BK-PAL050-1200A1	200-240VAC	50.4W	28-42V	0.96-1.20A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PAL050-1250A1	200-240VAC	50.0W	28-40V	1.21-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PAL050-1200A2	200-240VAC	50.4W	28-42V	0.75-1.20A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PAL050-1250A2	200-240VAC	50.0W	28-40V	1.21-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PAL050-1200A3	200-240VAC	50.4W	28-42V	0.75-1.20A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PAL050-1250A3	200-240VAC	50.0W	28-40V	1.21-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PAL050-1200A4	200-240VAC	50.4W	28-42V	0.75-1.20A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PAL050-1250A4	200-240VAC	50.0W	28-40V	1.21-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30

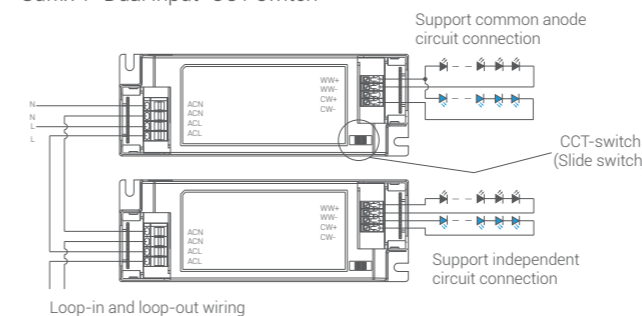
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Dimension

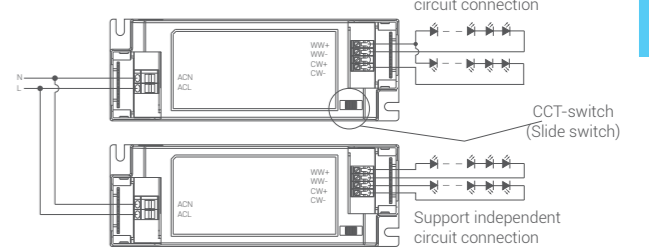


Wiring diagram

Suffix 1=Dual input+CCT switch



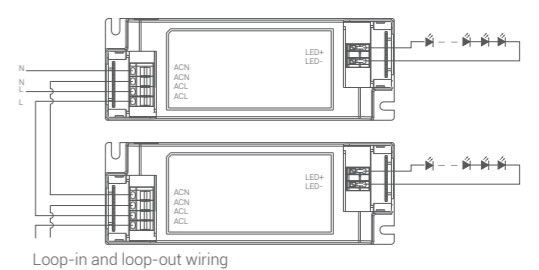
Suffix 2=Single input+CCT switch



Suffix 3=Single input



Suffix 4=Dual input+CCT switch



PBL series

CC Independent configurable driver

Features

- 3 levels of color temperature optional by sliding switch
- Support common anode circuit connection or independent circuit connection
- 5-level of current output optional by DIP-switch
- Loop-in and Loop-out wiring without junction box
- 0.75mm² support input large terminal design,wiring is more reliable
- Screw-free and pressing type strain relief,supports thicker cables and is easier to install
- Soft dimming and flicker-free at any brightness
- No-load power input <0.5W,suitable for use outside of the light
- High PF,high efficiency,low THD
- SELV and Class II design,suitable for use outside of the light
- Passed ENEC-TUV,CE,RCM,CCC and other certifications

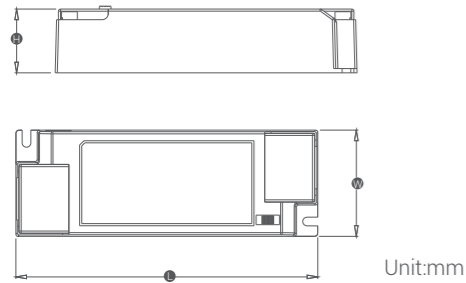


Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-PBL040-1000A1	200-240VAC	40.0W	28-42V	0.80-1.00A	0.95	87%	10%	45°C	90°C	138g	L142*W50*H30
BK-PBL040-1000A2	200-240VAC	40.0W	28-42V	0.80-1.00A	0.95	87%	10%	45°C	90°C	138g	L142*W50*H30
BK-PBL040-1000A3	200-240VAC	40.0W	28-42V	0.80-1.00A	0.95	87%	10%	45°C	90°C	138g	L142*W50*H30
BK-PBL040-1000A4	200-240VAC	40.0W	28-42V	0.80-1.00A	0.95	87%	10%	45°C	90°C	138g	L142*W50*H30
BK-PBL050-1250A1	200-240VAC	50.4W	28-42V	0.75-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PBL050-1250A2	200-240VAC	50.4W	28-42V	0.75-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PBL050-1250A3	200-240VAC	50.4W	28-42V	0.75-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30
BK-PBL050-1250A4	200-240VAC	50.4W	28-42V	0.75-1.25A	0.95	89%	10%	45°C	90°C	180g	L142*W50*H30

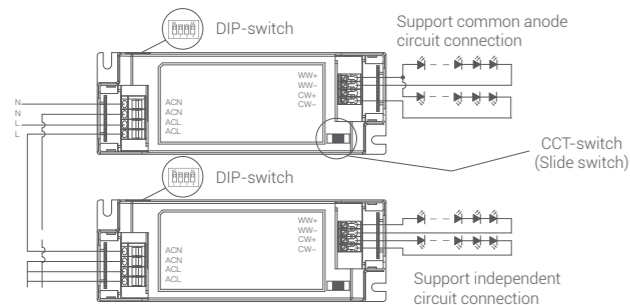
- Suffix 1=Dual input+CCT switch+DIP-switch
- Suffix 2=Single input+CCT switch+DIP-switch
- Suffix 3=Single input+DIP-switch
- Suffix 4=Dual input+CCT switch+DIP-switch

Dimension



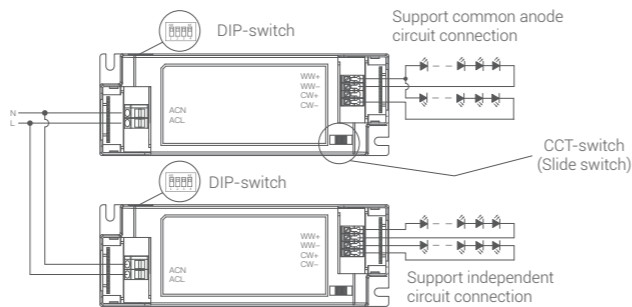
Wiring diagram

Suffix 1=Dual input+CCT switch+DIP-switch

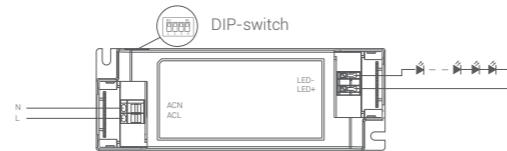


Loop-in and loop-out wiring

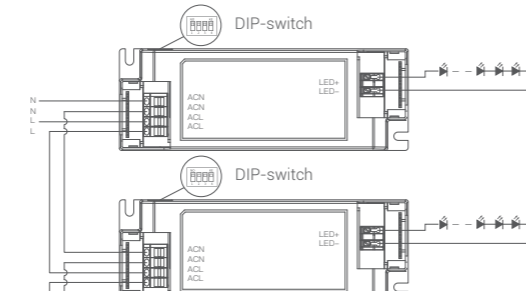
Suffix 2=Single input+CCT switch+DIP-switch



Suffix 3=Single input+DIP-switch



Suffix 4=Dual input+CCT switch+DIP-switch



Loop-in and loop-out wiring

DEL series

CC Independent dimmable driver

Features

- Support DALI-2+PUSH(switchDIM)dimming mode
- 16-level current output can be realized through external DIP-switch
- Soft dimming and flicker-free at any brightness
- Using HPC patent technology,at any dimming level,the brightness between lights is same
- Dimming range 1%~100%,output current accuracy 1%
- Standby power input <0.5W
- High PF,high efficiency,low THD
- Screw-free and pressing type strain relief,easier install
- Independent input and output strain relief,stronger wiring
- Intelligent LED hot-plug protection function
- SELV and Class II design,suitable for use outside of the light
- Passed ENEC-TUV,CE,RCM,CCC,DALI-2 and other certifications



Parameters

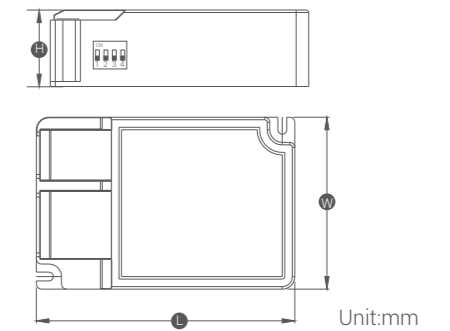
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DEL030-0800Ad	200-240VAC	30.4W	6-42VDC	0.25-0.80A	0.95	87%	7%	45°C	90°C	170g	L103*W68.5*H30.5
BK-DEL042-0800Bd	200-240VAC	41.6W	6-84VDC	0.25-0.80A	0.95	89%	7%	45°C	90°C	170g	L103*W68.5*H30.5
BK-DEL042-1100Ad	200-240VAC	41.8W	6-42VDC	0.45-1.10A	0.95	88%	7%	45°C	90°C	170g	L103*W68.5*H30.5
BK-DEL060-2000Ad	200-240VAC	60.0W	6-42VDC	0.80-2.00A	0.95	89%	7%	45°C	90°C	245g	L123.5*W79.5*H31

Suffix d=DALI-2+PUSH

Specifications

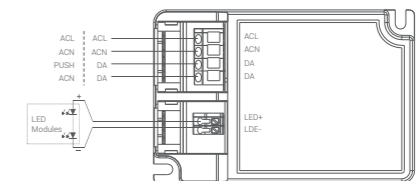
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overoltage protection	380V(30min)
Protection class	Class II,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.6s
Standby power	<0.5W
No-load voltage	<50V
Surge	L-N:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+450°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram

Suffix d=DALI-2+PUSH



PUL-A series

CC Independent dimmable driver

Features

- Supports DALI-2+PUSH+1-10V/10V PWM dimming methods
- Constant current output with multiple levels selectable by DIP.switch
- Using HPC patent technology, at any dimming level, the brightness between lights is same
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100%
- Output current accuracy is 1%
- Power on time <0.5s, on stand-by < 0.5W
- High PFC and efficiency, low THD
- With LED hot plug-in protection
- Passed ENEC-TUV, CE, RCM, CCC, DALI-2 certifications



Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-PUL010A-0250Ad	200-240VAC	10.5W	3-42VDC	0.15-0.25A	0.95	83%	12%	60°C	85°C	84g	L131.5*W44*H30
BK-PUL010A-0250AP	200-240VAC	10.5W	3-42VDC	0.15-0.25A	0.95	83%	12%	60°C	85°C	84g	L131.5*W44*H30
BK-PUL010B-0250AM	200-240VAC	10.5W	3-42VDC	0.15-0.25A	0.95	83%	12%	60°C	85°C	84g	L131.5*W44*H30
BK-PUL018A-0450Ad	200-240VAC	18.0W	3-42VDC	0.30-0.45A	0.95	85%	12%	45°C	85°C	104g	L131.5*W44*H30
BK-PUL018A-0450AP	200-240VAC	18.0W	3-42VDC	0.30-0.45A	0.95	85%	12%	45°C	85°C	104g	L131.5*W44*H30
BK-PUL018B-0450AM	200-240VAC	18.0W	3-42VDC	0.30-0.45A	0.95	85%	12%	45°C	85°C	104g	L131.5*W44*H30
BK-PUL030A-0700AD	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	88%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL030A-0700Ad	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	88%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL030A-0700AP	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	88%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL030A-0700AM	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	88%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-0700BD	200-240VAC	42.0W	3-84VDC	0.25-0.70A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-0700Bd	200-240VAC	42.0W	3-84VDC	0.25-0.70A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-0700BP	200-240VAC	42.0W	3-84VDC	0.25-0.70A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-0700BM	200-240VAC	42.0W	3-84VDC	0.25-0.70A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-1100AD	200-240VAC	42.0W	3-42VDC	0.60-1.10A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-1100Ad	200-240VAC	42.0W	3-42VDC	0.60-1.10A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-1100AP	200-240VAC	42.0W	3-42VDC	0.60-1.10A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL042A-1100AM	200-240VAC	42.0W	3-42VDC	0.60-1.10A	0.95	90%	10%	45°C	75°C	170g	L103*W68*H30
BK-PUL060A-2000AD	200-240VAC	61.2W	3-42VDC	0.80-2.00A	0.95	90%	10%	45°C	80°C	250g	L123*W79*H31
BK-PUL060A-2000Ad	200-240VAC	61.2W	3-42VDC	0.80-2.00A	0.95	90%	10%	45°C	80°C	250g	L123*W79*H31
BK-PUL060A-2000AP	200-240VAC	61.2W	3-42VDC	0.80-2.00A	0.95	90%	10%	45°C	80°C	250g	L123*W79*H31
BK-PUL060A-2000AM	200-240VAC	61.2W	3-42VDC	0.80-2.00A	0.95	90%	10%	45°C	80°C	250g	L123*W79*H31

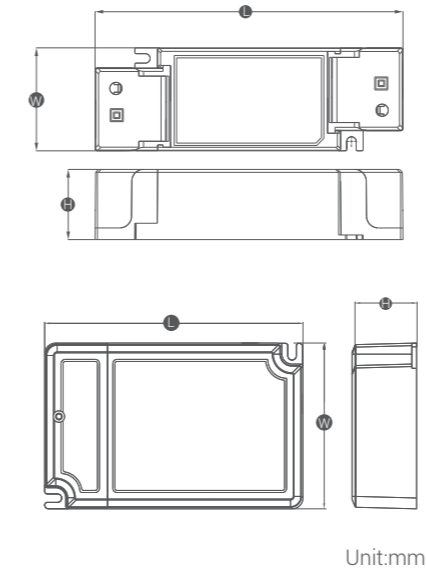
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 Suffix M=1-10V/10V PWM/Rx

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 Suffix M=1-10v+10V PWM

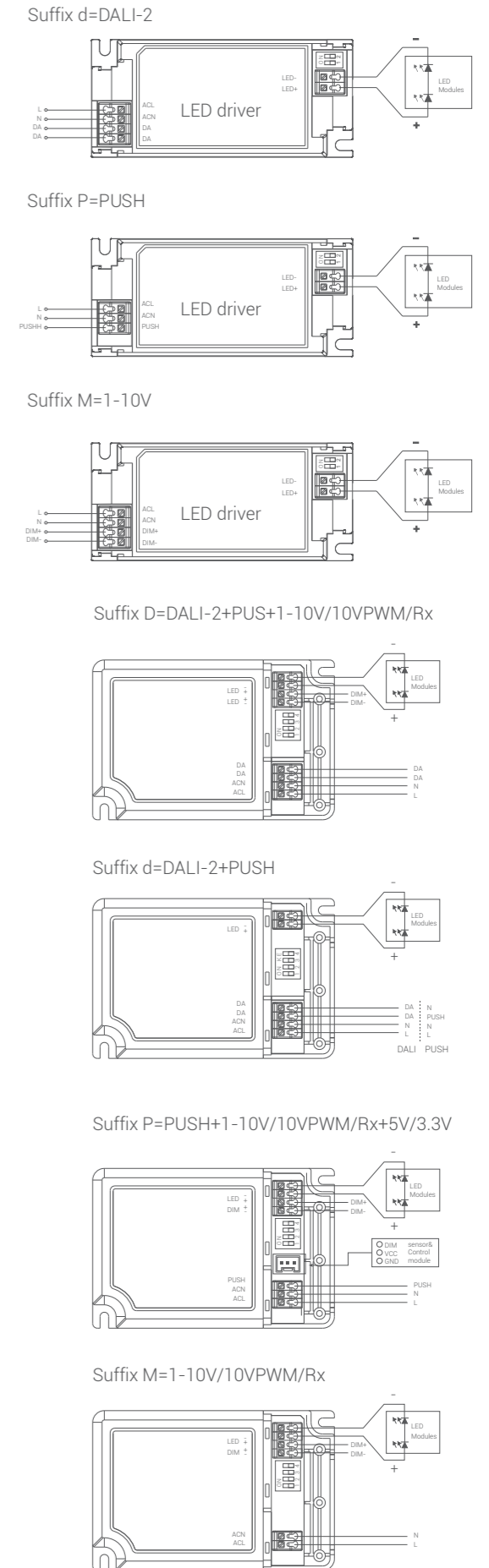
Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II, SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.5W
No-load voltage	<50V
Surge	L-N:2KV
Flicker-free	Pst LM <1, SVM <0.4
Operation temperature	-20°C+45°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram



DLL Series

CC Independent dimmable driver

Features

- Support DALI-2+PUSH+1-10V/10V PWM/Rx dimming methods
- Redundant input and dimming terminal design, support hand-in-hand wiring installation
- Optional push type or quick connection type strain relief
- Quick connect type strain relief supports WAGO (Winsta) or Wieland (gesis) brand terminals
- Push type strain relief supports 1.5mm² x 5 or 2.5mm² x 3 multi-core wires
- Constant current output with 16 levels selectable by DIP.switch
- Using HPC patent technology,at any dimming level,the brightness between lights is same
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100%,output current accuracy is 1%
- With LED hot plug-in and LED over-power protection
- Passed ENEC-TUV,CE,RCM,DALI-2 certifications



Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DLL052-1300BD	200-240VAC	54.0W	6-54VDC	0.55-1.30A	0.95	89%	10%	45°C	85°C	285g	L198*W75*H30
BK-DLL052-1300BP	200-240VAC	54.0W	6-54VDC	0.55-1.30A	0.95	89%	10%	45°C	85°C	285g	L198*W75*H30

Suffix D=DALI-2+PUSH+1-10V/10V PWM /Rx 1-10V/10V PWM/Rx

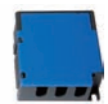
Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.3W
No-load voltage	<50V
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C-+50°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Optional strain relief

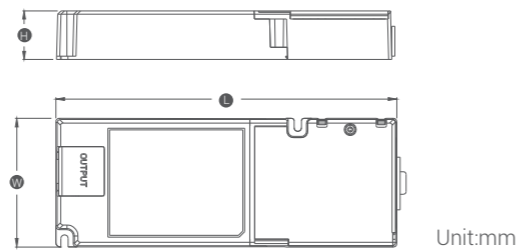


Quick connection type 5P WAGO(Winsta) or Wieland(Gesis)



Push type 5P

Dimension



Unit:mm

Wiring diagram



DWL Series

CC independent tunable white driver(DT8)

Features

- Tunable white and dimmable constant current driver (DT8 sub tc)
- Supports DALI-2+PUSH-DIM+PUSH-CCT dimming methods
- Constant current output with multiple levels selectable by DIP.switch
- Using HPC patent technology, at any dimming level, the brightness between lights is same
- Flicker-free and smooth dimming at any dimming level
- 1.5mm²x5 or 2.5mm²x3 cable is supported for input wiring box
- Dimming range is 1~100%,output current accuracy is 1%
- Power on time <0.5s,on stand-by < 0.3W
- High PFC and efficiency,low THD
- With LED hot plug-in and LED over-power protection
- Passed ENEC-TUV,CE,RCM,DALI-2 certifications



Parameters

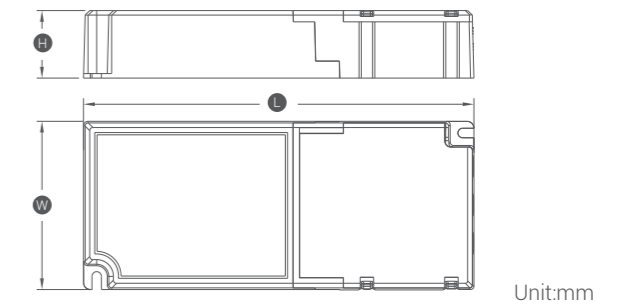
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DWL010-0350AD	200-240VAC	13.3W	12-54VDC	0.10-0.35A	0.95	86%	10%	50°C	85°C	95g	L117*W45.5*H24
BK-DWL022-0600AD	200-240VAC	22.8W	12-54VDC	0.225-0.6A	0.95	87%	10%	50°C	85°C	120g	L117*W45.5*H29
BK-DWL030-0800AD	200-240VAC	30.4W	12-54VDC	0.35-0.80A	0.95	88%	10%	50°C	85°C	120g	L117*W45.5*H29
BK-DWL042-1050AD	200-240VAC	42.0W	12-42VDC	0.60-1.05A	0.95	89%	10%	50°C	85°C	225g	L173.5*W75*H30
BK-DWL060-1500AD	200-240VAC	60.0W	12-42VDC	1.05-1.50A	0.95	89%	10%	50°C	85°C	300g	L191.5*W75*H30
BK-DWL060-2000AD	200-240VAC	60.0W	12-42VDC	1.55-2.00A	0.95	89%	10%	50°C	85°C	300g	L191.5*W75*H30

Suffix D=DALI-2+PUSH-DIM+PUSH-CCT

Specifications

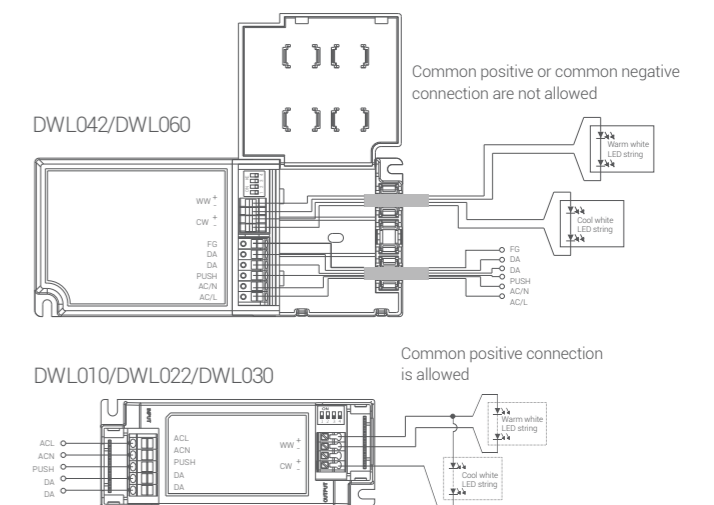
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.3W
No-load voltage	<50V
Surge	L-N:2KV,L/N-FG:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C-+50°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

Wiring diagram



LGV series

CV independent on/off driver

Features

- Suitable for driving constant voltage lights
- Optional DC12V or DC24V output
- High PFC, low THD
- Power on time <0.5s
- Flicker-free, meets the requirements of Flicker-free
- With SCP/OC/OPP protection
- Designed according to LED lighting certification standards
- Passed ENEC-TUV, CE, RCM, CCC certifications



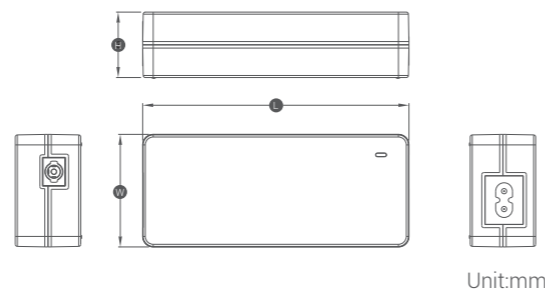
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-LGV036-12V0	200-240VAC	36.0W	12VDC	3.00A	0.95	85%	15%	45°C	85°C	160g	L103*W50*H31
BK-LGV036-24V0	200-240VAC	36.0W	24VDC	1.50A	0.95	86%	15%	45°C	85°C	160g	L103*W50*H31
BK-LGV036A-12V0	200-240VAC	36.0W	12VDC	3.00A	0.50	85%	N/A	45°C	85°C	160g	L103*W50*H31
BK-LGV036A-24V0	200-240VAC	36.0W	24VDC	1.50A	0.50	86%	N/A	45°C	90°C	160g	L103*W50*H31
BK-LGV060-12V0	200-240VAC	60.0W	12VDC	5.00A	0.95	88%	15%	45°C	90°C	230g	L126.5*W53.5*H31
BK-LGV060-24V0	200-240VAC	60.0W	24VDC	2.50A	0.95	89%	15%	45°C	90°C	230g	L126.5*W53.5*H31
BK-LGV060A-12V0	200-240VAC	60.0W	12VDC	5.00A	0.50	88%	N/A	45°C	90°C	230g	L126.5*W53.5*H31
BK-LGV060A-24V0	200-240VAC	60.0W	24VDC	2.50A	0.50	89%	N/A	45°C	90°C	230g	L126.5*W53.5*H31
BK-LGV072-12V0	200-240VAC	72.0W	12VDC	6.00A	0.95	88%	15%	45°C	90°C	335g	L146*W63*H32
BK-LGV072-24V0	200-240VAC	72.0W	24VDC	3.00A	0.95	88%	15%	45°C	90°C	335g	L146*W63*H32
BK-LGV100-12V0	200-240VAC	100.8W	12VDC	8.40A	0.95	91%	15%	50°C	90°C	340g	L146*W63*H32
BK-LGV100-24V0	200-240VAC	100.8W	24VDC	4.20A	0.95	91%	15%	50°C	90°C	340g	L146*W63*H32

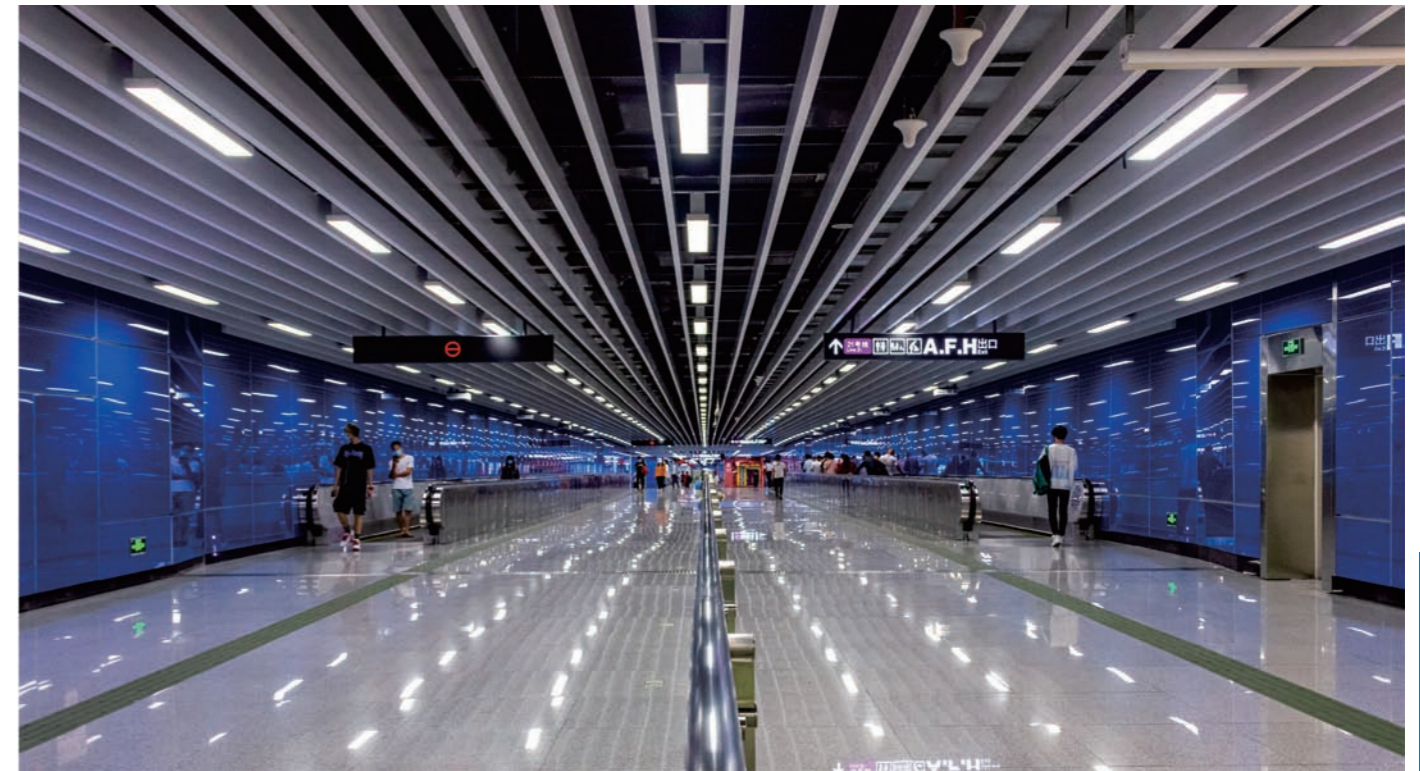
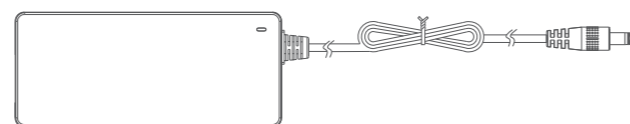
Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Protection class	Class II, SELV
Output voltage accuracy	5%
Power on time	<0.5s
No-load voltage	<0.3W
Surge	L-N:2KV
Flicker-free	Pst LM <1, SVM <0.4
Operation temperature	-20°C~+45°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Dimension

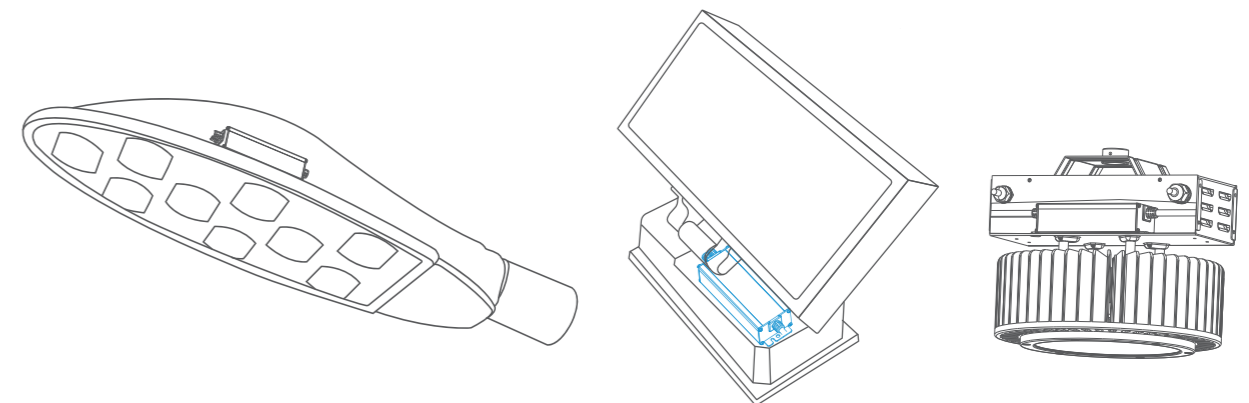


Wiring diagram



WATERPROOF DRIVE SERIES

Suitable for street lights, flood lights, high-bay lights, garden lights or other outdoor or humid environment lights. Support DALI-2/1-10V/10V PWM/Rx/IoT interface and other dimming methods 10W-150W, waterproof.



PHL series

CC Waterproof on/off driver

Features

- IP67,waterproof,indoor or outdoor use is available
- Built in active PFC function,high PF and low THD
- Flicker-free,meets the requirements of flicker-free
- Aluminum metal case
- Withstand 380VAC high voltage short-time shock
- Protection class:Class I,SELV
- Surge capacity:L-N:2KV,L/N-FG:2KV
- Power on time <0.5s
- Passed CCC certifications



Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-PHL018-0400A	220-240VAC	16.8W	28-42VDC	0.15-0.40A	0.95	86%	15%	60°C	90°C	330g	L117*W43.7*H34
BK-PHL018-0450A	220-240VAC	18.0W	28-42VDC	0.40-0.45A	0.95	86%	15%	60°C	90°C	330g	L117*W43.7*H34
BK-PHL022-0500A	220-240VAC	21.0W	28-42VDC	0.45-0.50A	0.95	86%	15%	60°C	90°C	330g	L117*W43.7*H34
BK-PHL022-0550A	220-240VAC	22.0W	28-40VDC	0.50-0.55A	0.95	86%	15%	60°C	90°C	330g	L117*W43.7*H34
BK-PHL022-0600A	220-240VAC	22.8W	28-38VDC	0.55-0.60A	0.95	86%	15%	60°C	90°C	330g	L117*W43.7*H34
BK-PHL040-0800A	220-240VAC	43.2W	03-54VDC	0.50-0.80A	0.95	88%	10%	60°C	90°C	380g	L137*W43.7*H34
BK-PHL040-0850A	220-240VAC	42.5W	03-50VDC	0.80-0.85A	0.95	88%	10%	60°C	90°C	380g	L137*W43.7*H34
BK-PHL040-0900A	220-240VAC	43.2W	03-48VDC	0.85-0.90A	0.95	88%	10%	60°C	90°C	380g	L137*W43.7*H34
BK-PHL040-0950A	220-240VAC	41.8W	03-44VDC	0.90-0.95A	0.95	88%	10%	60°C	90°C	380g	L137*W43.7*H34
BK-PHL040-1000A	220-240VAC	42.0W	03-42VDC	0.95-1.00A	0.95	88%	10%	60°C	90°C	380g	L137*W43.7*H34
BK-PHL040-1050A	220-240VAC	42.0W	03-40VDC	1.00-1.05A	0.95	88%	10%	60°C	90°C	380g	L137*W43.7*H34
BK-PHL040-1100A	220-240VAC	41.8W	03-38VDC	1.05-1.10A	0.95	88%	10%	60°C	90°C	380g	L137*W43.7*H34
BK-PHL060-1200A	220-240VAC	64.8W	03-54VDC	0.70-1.20A	0.95	92%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1250A	220-240VAC	65.0W	03-52VDC	1.20-1.25A	0.95	93%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1300A	220-240VAC	65.0W	03-50VDC	1.25-1.30A	0.95	91%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1350A	220-240VAC	64.8W	03-48VDC	1.30-1.35A	0.95	92%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1400A	220-240VAC	64.4W	03-46VDC	1.35-1.40A	0.95	93%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1450A	220-240VAC	63.8W	03-44VDC	1.40-1.45A	0.95	93%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1500A	220-240VAC	63.0W	03-42VDC	1.45-1.50A	0.95	91%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1550A	220-240VAC	62.0W	03-40VDC	1.50-1.55A	0.95	92%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL060-1650A	220-240VAC	62.7W	03-38VDC	1.55-1.65A	0.95	93%	10%	60°C	90°C	440g	L145*W50.0*H34
BK-PHL080-2000A	220-240VAC	84.0W	03-42VDC	1.20-2.00A	0.95	90%	10%	60°C	90°C	520g	L160*W50.0*H34
BK-PHL080-2100A	220-240VAC	84.0W	03-40VDC	2.05-2.10A	0.95	90%	10%	60°C	90°C	520g	L160*W50.0*H34
BK-PHL080-2200A	220-240VAC	83.6W	03-38VDC	2.15-2.20A	0.95	90%	10%	60°C	90°C	520g	L160*W50.0*H34

Specifications

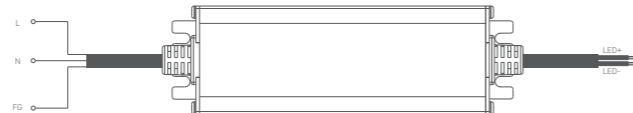
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class I,SELV
Output current accuracy	5%
Power on time	<0.5s
No-load voltage	<50V
Surge	L-N:2KV,L/N:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+60°C
IP rating	IP67
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

Wiring diagram



PPL series

CC Waterproof on/off driver

Features

- IP65,waterproof,for indoor use
- Flicker-free,meets the requirements of Flicker-free
- Built in active PFC function,high PF and low THD
- Withstand 380VAC high voltage short-time shock
- Turn on delay time <0.5s
- With SCP/OTP protection
- Passed ENEC-TUV,CE,RCM,CCC certifications



Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-PPL018-0400	200-240VAC	16.8W	28-42VDC	0.15-0.40A	0.95	85%	15%	60°C	90°C	210g	L118*W41*H27
BK-PPL018-0450	200-240VAC	18.0W	28-40VDC	0.40-0.45A	0.95	85%	15%	60°C	90°C	210g	L118*W41*H27
BK-PPL022-0500	200-240VAC	21.0W	28-42VDC	0.45-0.50A	0.95	86%	15%	60°C	90°C	260g	L118*W41*H27
BK-PPL022-0550	200-240VAC	22.0W	28-40VDC	0.50-0.55A	0.95	86%	15%	60°C	90°C	260g	L118*W41*H27
BK-PPL022-0600	200-240VAC	22.8W	28-38VDC	0.55-0.60A	0.95	86%	15%	60°C	90°C	260g	L118*W41*H27
BK-PPL040-0950	200-240VAC	39.9W	28-42VDC	0.55-0.95A	0.95	88%	15%	60°C	90°C	360g	L138*W45*H32
BK-PPL040-1000	200-240VAC	40.0W	28-40VDC	0.95-1.00A	0.95	88%	15%	60°C	90°C	360g	L138*W45*H32
BK-PPL042-1000	200-240VAC	42.0W	28-42VDC	0.96-1.00A	0.95	88%	10%	60°C	90°C	360g	L138*W45*H32
BK-PPL042-1050	200-240VAC	42.0W	28-40VDC	1.00-1.05A	0.95	88%	10%	60°C	90°C	360g	L138*W45*H32
BK-PPL042-1100	200-240VAC	41.8W	28-38VDC	1.05-1.10A	0.95	88%	10%	60°C	90°C	360g	L138*W45*H32
BK-PPL050-1200	200-240VAC	50.4W	28-42VDC	1.00-1.20A	0.95	88%	10%	60°C	90°C	390g	L138*W45*H32
BK-PPL050-1250	200-240VAC	50.0W	28-40VDC	1.20-1.25A	0.95	88%	10%	60°C	90°C	390g	L138*W45*H32
BK-PPL060-1400	200-240VAC	58.8W	28-42VDC	1.20-1.40A	0.95	88%	10%	60°C	90°C	510g	L162*W51*H36
BK-PPL060-1500	200-240VAC	60.0W	28-40VDC	1.45-1.50A	0.95	88%	10%	60°C	90°C	510g	L162*W51*H36
BK-PPL060-1600	200-240VAC	60.8W	28-38VDC	1.55-1.60A	0.95	88%	10%	60°C	90°C	510g	L162*W51*H36
BK-PPL060-1650	200-240VAC	57.6W	28-36VDC	1.60-1.65A	0.95	88%	10%	60°C	90°C	510g	L162*W51*H36

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II,SELV
Output current accuracy	5%
Power on time	<0.5s
No-load voltage	<50V
Surge	L-N:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C~+45°C
IP rating	IP65
Life time	50000 hours
Warranty	5 years

Dimension



Unit:mm

Wiring diagram



DML series

CC Waterproof dimmable driver

Features

- Supports 12V+DALI-2 or 12V+1-10V/10V PWM/Rx dimming methods
- Aux power 12V+1-10V dimming interfaces for control module or sensor
- Output current and parameters can be set through the dimming interface
- Same current output between the drivers at any dimming level
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100% and output current accuracy is 1%
- Power on time <0.5s,on stand-by < 0.5W
- High PFC and efficiency, low THD
- IP67,waterproof,outdoor use is available
- Surge capacity:L-N:8KV,L/N-FG:10KV,DML040 following:L-N:2V,L/N-FG:2KV
- Passed ENEC-TUV,CE,RCM,CCC,DALI-2 certifications



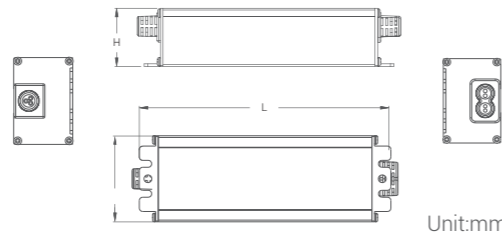
Parameters

Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DML022-0600Ad	200-240VAC	22.0W	24-42VDC	0.45-0.60A	0.95	88%	15%	60°C	90°C	380g	L137*W43.5*H34
BK-DML040-1050Am	200-240VAC	22.0W	24-42VDC	0.45-0.60A	0.95	88%	15%	60°C	90°C	380g	L137*W43.5*H34
BK-DML040-1050Ad	200-240VAC	40.0W	24-42VDC	0.50-1.10A	0.95	88%	10%	60°C	90°C	500g	L145*W50.0*H34
BK-DML040-1050Am	200-240VAC	40.0W	24-42VDC	0.50-1.10A	0.95	88%	10%	60°C	90°C	500g	L145*W50.0*H34
BK-DML060-1650AD	200-240VAC	60.0W	24-42VDC	0.90-1.65A	0.95	90%	10%	60°C	90°C	800g	L160*W50.0*H34
BK-DML060-1650AM	200-240VAC	60.0W	24-42VDC	0.90-1.65A	0.95	90%	10%	60°C	90°C	800g	L160*W50.0*H34
BK-DML150-4200AD	200-240VAC	150W	24-42VDC	2.40-4.20A	0.95	91%	10%	60°C	90°C	1170g	L220*W68.0*H41.5
BK-DML150-4200AM	200-240VAC	150W	24-42VDC	2.40-4.20A	0.95	91%	10%	60°C	90°C	1170g	L220*W68.0*H41.5

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class I,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.5W
No-load voltage	<60V
Surge	L-N:8KV,L/N-FG:10KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C-+60°C
IP rating	IP67
Life time	50000 hours
Warranty	5 years

Dimension



Wiring diagram

Suffix D=DALI-2+ 12V



Suffix M=1-10V /10V PWM /Rx



BDL series

CC Waterproof dimmable driver

Features

- Supports DALI-2+1-10V/10V PWM dimming methods
- Same current output between the drivers at any dimming level
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100% and output current accuracy is 1%
- Power on time <0.5s,on stand-by < 0.5W
- High PFC and efficiency,low THD
- IP65,waterproof,for indoor use only
- With LED hot plug-in protection
- Passed ENEC-TUV,CE,RCM,CCC,DALI-2 certifications



Parameters

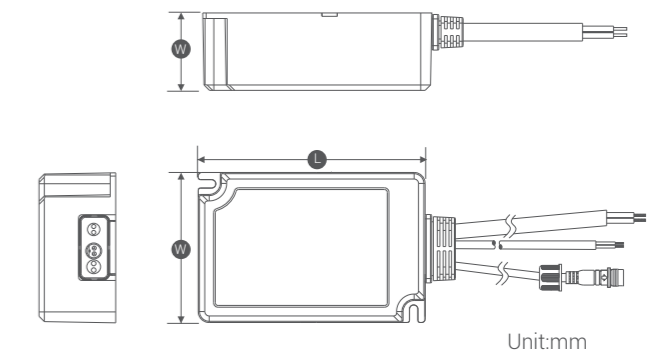
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-BDL030-0700Ad	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35
BK-BDL030-0700AM	200-240VAC	29.4W	3-42VDC	0.25-0.70A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35
BK-BDL042-1000Ad	200-240VAC	42.0W	3-42VDC	0.60-1.00A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35
BK-BDL042-1000AM	200-240VAC	42.0W	3-42VDC	0.60-1.00A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35
BK-BDL042-1050Ad	200-240VAC	42.0W	3-40VDC	1.01-1.05A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35
BK-BDL042-1050AM	200-240VAC	42.0W	3-40VDC	1.01-1.05A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35
BK-BDL042-1100Ad	200-240VAC	41.8W	3-38VDC	1.06-1.10A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35
BK-BDL042-1100AM	200-240VAC	41.8W	3-38VDC	1.06-1.10A	0.95	90%	10%	60°C	90°C	470g	L103.5*W68.5*H35

Suffix d=DALI-2 Suffix M=1-10V/10V PWM/Rx

Specifications

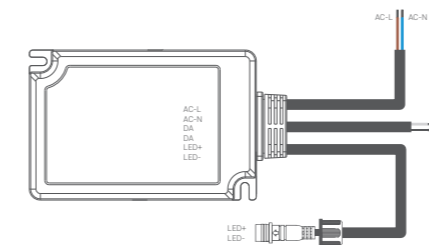
Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class I,SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.5W
No-load voltage	<50V
Surge	L-N:2KV
Flicker-free	Pst LM <1,SVM <0.4
Operation temperature	-20°C-+60°C
IP rating	IP65
Life time	50000 hours
Warranty	5 years

Dimension

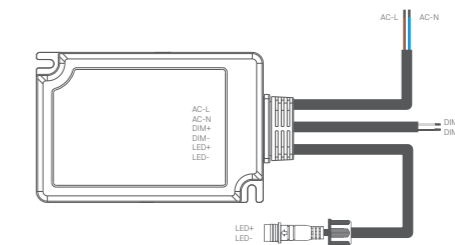


Wiring diagram

Suffix D=DALI-2



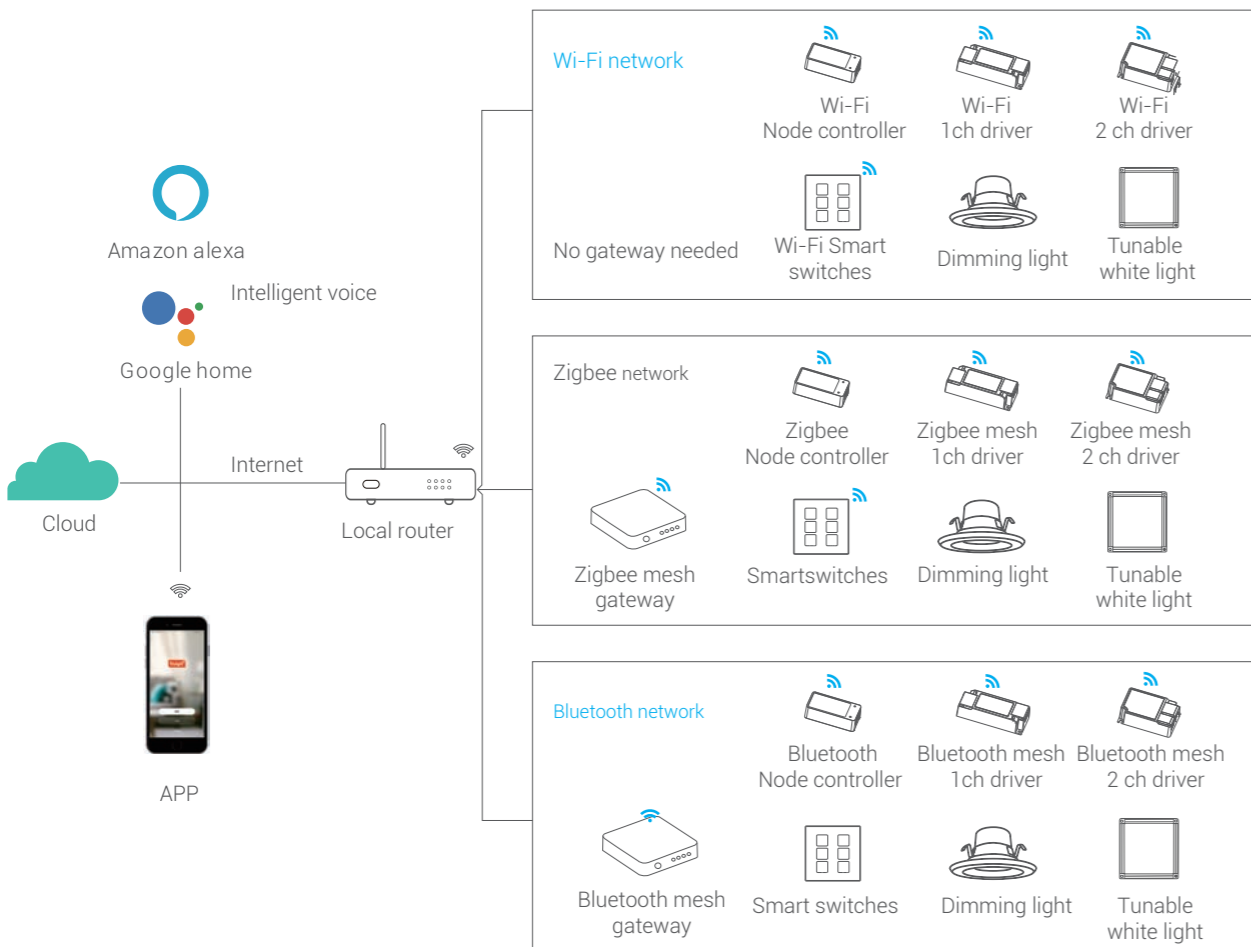
Suffix M=1-10V/10V PWM/RX





TUYA WIRELESS ECOSYSTEM

Tuya wireless system supports Wi-Fi, Bluetooth Mesh, Zigbee networking, so as to make full use of the advantages of each protocol and realize flexible control of any connected device at any location combined with cloud+APP technology. The system supports all kinds of lamps and control switch access, support multi-scene call, device linkage, group control, partition control, switch control, intelligent voice control and other functions.



WNS1xx Series Tuya wireless node controller

Features

- Tuya Bluetooth mesh/Wi-Fi/Zigbee wireless node controller
- Built-in tuya wireless module
- 12-24VDC input, powered by driver and output 10V PWM signal
- Supports XDIM interface driver
- With status indicator and network access reset button
- Using RJ12 connection terminal, fast connection
- Compact size and easy to install in small space



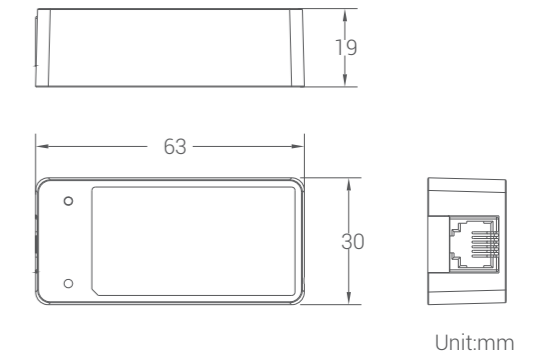
Product range

Model	Description
BK-WNS100	Tuya Bluetooth mesh node controller
BK-WNS110	Tuya Wi-Fi+Bluetooth node controller
BK-WNS120	Tuya Zigbee node controller

Specifications

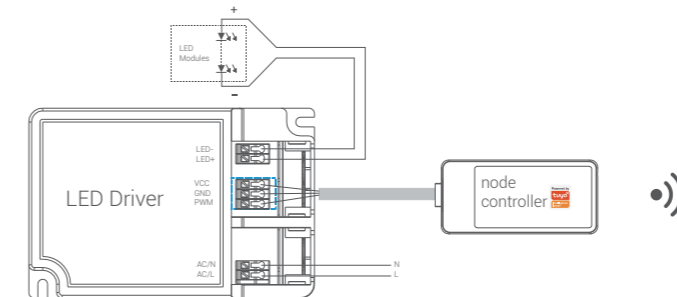
Control system	Tuya Bluetooth mesh/Wi-Fi
Working voltage	12-24V DC
Output channel	1CH
Output off duty cycle	0% (0V)
Output minimum duty cycle	10% (1V)
Output maximum duty cycle	100% (10V)
Circuit protection	Input polarity protection, output SCP
Working temperature	-20~45°C

Dimension



Wiring diagram

DUL Series Driver



MHL Series Drive



DUL Series

Tuya Wireless dimmable driver

Features

- Built in Tuya wireless module, supporting access to Tuya wireless system
- Support Tuya Bluetooth mesh/Wi Fi/ZigBee network
- Push-type strain relief design, easy to crimp and install
- 16 levels of current output can be realized by dip-switch
- Using HPC technology, the current output between drivers is the same at any dimming level
- Flicker-free and smooth dimming at any dimming level
- Dimming range is 1~100%, output current accuracy is 1%
- With LED hot plug-in and LED over-power protection
- Passed ENEC-TUV, CE, RCM, DALI-2 RED certifications



Parameters

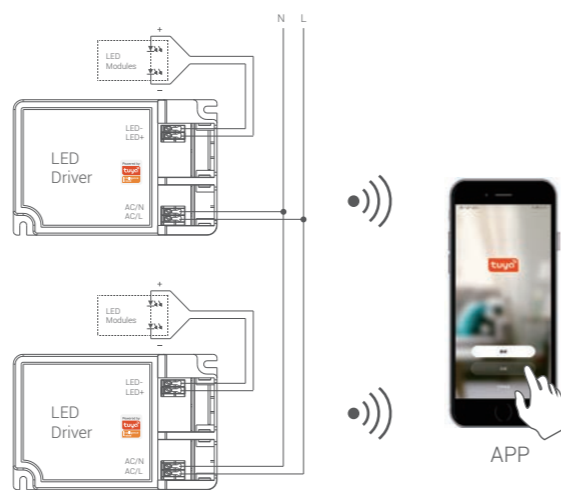
Model	Input voltage	Output power	Output voltage	Output current	PF	Efficiency	THD	Ta	Tc	Weight	Dimension(mm)
BK-DUL042-0700BWB	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	<10%	45°C	90°C	170g	L103*W68.5*H30.5
BK-DUL042-0700BBT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	<10%	45°C	90°C	170g	L103*W68.5*H30.5
BK-DUL042-0700BZT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	<10%	45°C	90°C	170g	L103*W68.5*H30.5
BK-DUL042-1100AWBT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	<10%	45°C	80°C	170g	L103*W68.5*H30.5
BK-DUL042-1100ABT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	<10%	45°C	80°C	170g	L103*W68.5*H30.5
BK-DUL042-1100AZT	200-240VAC	42.0W	6-42VDC	0.60-1.10A	0.95	88%	<10%	45°C	80°C	170g	L103*W68.5*H30.5
BK-DUL060-2000AWBT	200-240VAC	62.0W	6-42VDC	0.80-2.00A	0.95	89%	<10%	45°C	80°C	245g	L123.5*W79.5*H31
BK-DUL060-2000ABT	200-240VAC	62.0W	6-42VDC	0.80-2.00A	0.95	89%	<10%	45°C	80°C	245g	L123.5*W79.5*H31
BK-DUL060-2000AZT	200-240VAC	62.0W	6-42VDC	0.80-2.00A	0.95	89%	<10%	45°C	80°C	245g	L123.5*W79.5*H31

Suffix WBT=Tuya Wi-Fi+BLE Suffix BT=Tuya Bluetooth mesh Suffix ZT=Tuya Zigbee

Specifications

Item	Parameter
Rated voltage	200-240VAC/200-240VDC
Limited voltage	180-264VAC/180-264VDC
Overvoltage protection	380V(30min)
Protection class	Class II, SELV
Output current accuracy	1%
Dimming range	1-100%
Power on time	<0.5s
Standby power	<0.5W
Auxiliary power	12V, 100mA
No-load voltage	<50V
Surge	L-N: 2KV
Flicker-free	Pst LM <1, SVM <0.4
Operation temperature	-20°C~+45°C
IP rating	IP20
Life time	50000 hours
Warranty	5 years

Wiring diagram



PLS010 Series

1-10V dimmer

Features

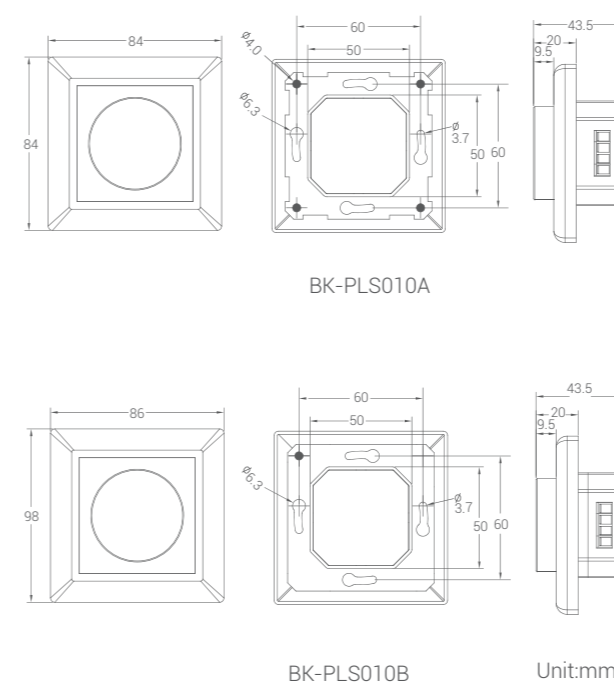
- No power required, take power from 1-10V bus
- With load control switch, switch is open circuit when dimmer is off
- Dimming voltage output range is 0.6-10V, adjustable minimum output voltage
- Stepless dimming, no jitter
- Easy disassembly, standard installation
- Suitable for installation and use in Europe and Asian
- Suitable for controlling various LED drivers with 1-10V dimming signal



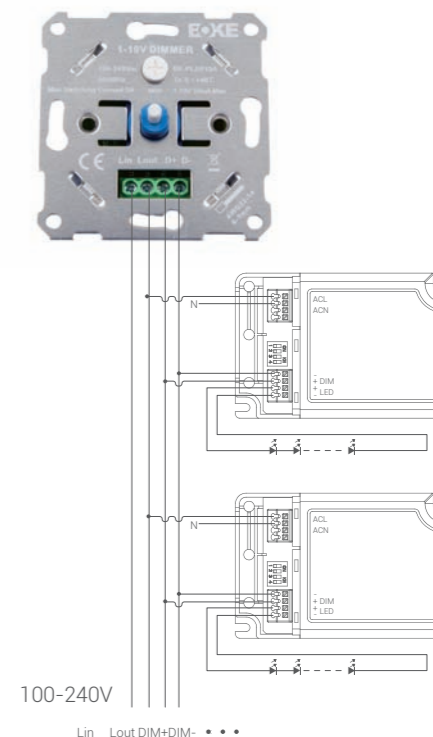
Specifications

Supply	1-10V
Rated power	110V 550W, 220V 1100W
Rated current	5A
Max. sinking current	50mA
Output voltage range	0.6-10V
Minimum voltage adjustment range	0.5-0.75mm ²
Wiring	0.5-0.75mm ² 6-7mm
IP rating	0 to 45°C
Working temperature	IP20

Dimension



Wiring diagram



BAS001

Junction box

Features

- Meets the parallel connection requirements of cables
- Pushable cable fixing design, suitable for different thickness cables
- Meets the requirements of different dimming methods application
- Support 1.5mm²x5 or 2.5mm²x3 cable
- Quick connection on the construction site
- Screwless terminal design
- Screwless cover fixing design
- Screwless cable fixing design



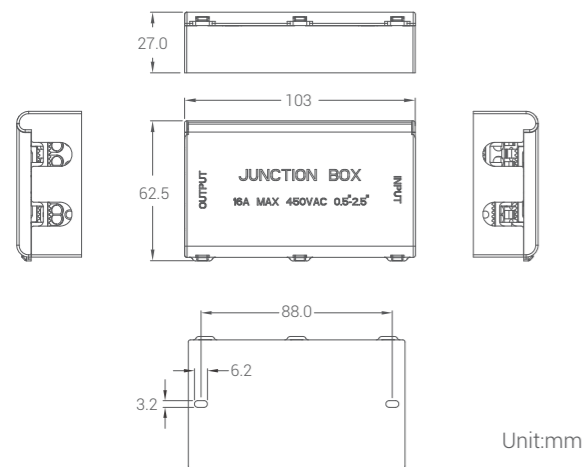
Product range

Model	Description
BK-BAS001	Junction Box

Specifications

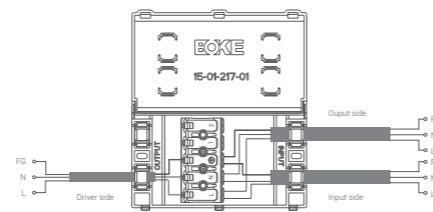
Junction Box	
Wire outer diameter(input side)	3-9mm
Wire outer diameter(driver side)	3-9mm)
Stripping length(input side)	35mm+
Stripping length(driver side)	15mm+
Material	PC
Fire-proof level	UL94V-V0
Terminals	
Stripping length(mm)	8-10
Rated current and voltage	16A,450VAC
Material	Polyamide 66
Fire-proof level	UL94V-2

Dimension

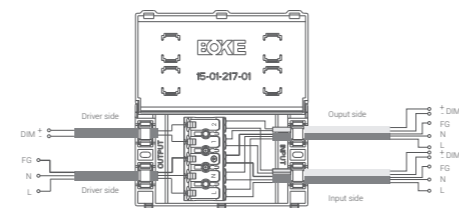


Wiring diagram

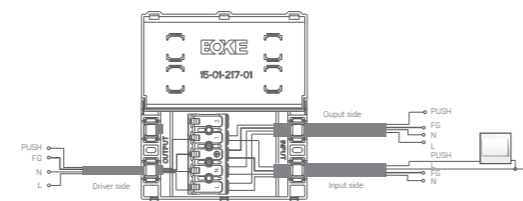
1. Non-dimming



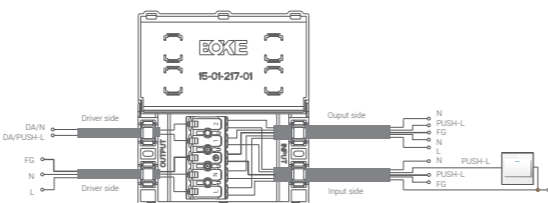
2. 1-10V dimming



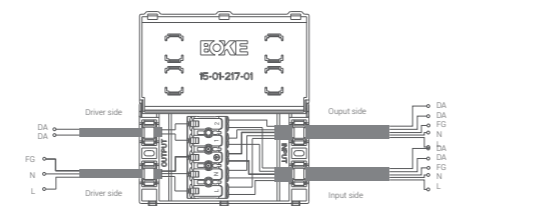
3. PUSH dimming(independent PUSH port)



4. PUSH dimming(shared with DALI dimming port)



5. DALI dimming

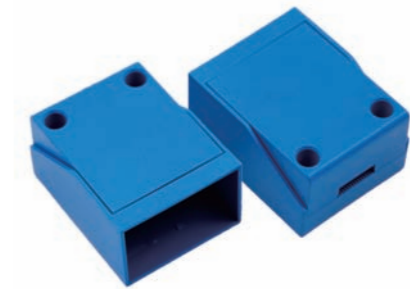


BAS003

Strain relief

Features

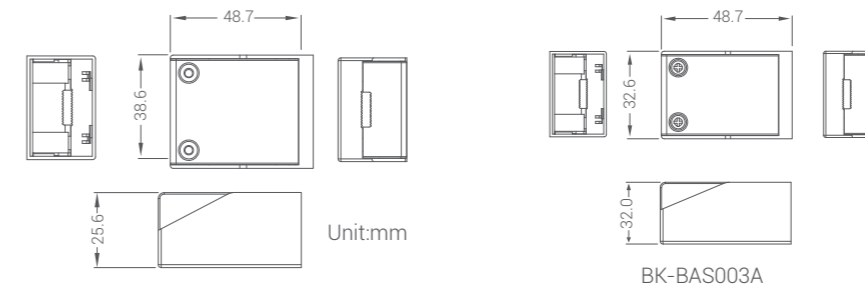
- Meet the needs of independent use of linear drivers
- Simple assembly and installation
- Two sizes available for different linear drivers
- Support 0.75mm²x2 cable



Product range

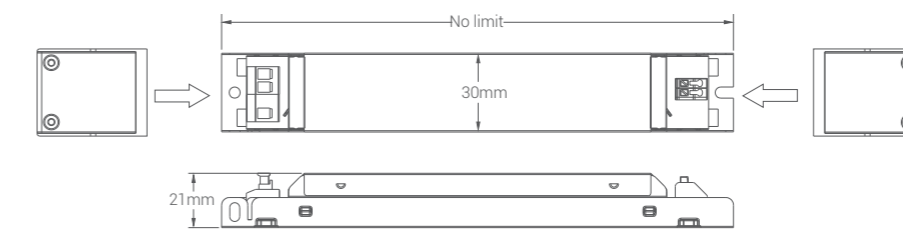
Model	Description
BK-BAS002	Strain relief
BK-BAS003B	Strain relief

Dimension

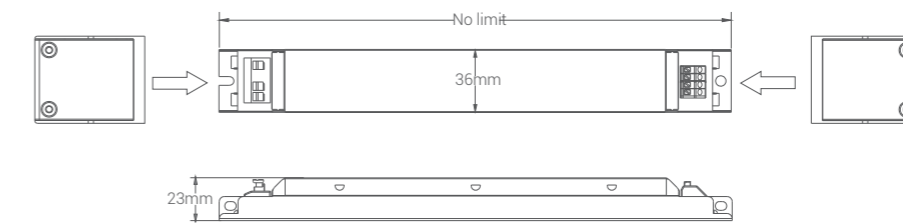


Compatible housing and assembly diagram

BAS003A



BAS003B

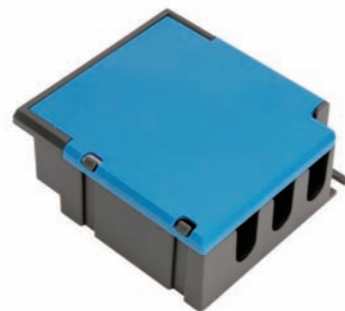


BAS004

Strain relief

Features

- Implement independent use of built-in drivers
- Pushable strain relief design, easy to crimp and install
- Suitable for dimming and non-dimming connection applications
- Meets the hand-in-hand wiring requirements
- Support 1.5mm²x5 or 2.5mm²x3 cable
- Suitable for different thickness cables



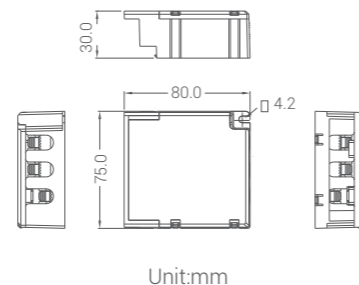
Product range

Model	Description
BK-BAS004	Strain relief,3Pole

Compatibility list

Wiring block	Compatible drives
BK-BAS004	DWL042/DWL060/DLL052

Dimension



Assembly diagram

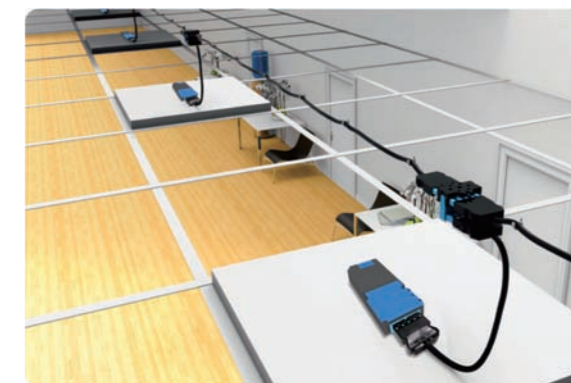


BAS005

Compatibility list

Features

- Suitable for dimming connection applications
- Pluggable strain relief with WAGO(Winsta) or Wieland(gesis) connector
- With reverse plug-in protection and self-locking functions
- Support 400V 25A 4mm (AWG12) cable
- Meet the needs of quick connection at the construction site



Product range

Model	Description
BK-BAS005A1	Pluggable strain relief,5Pole,WAGO(770-2115/007-000)
BK-BAS005A	Pluggable strain relief,5Pole,WAGO(770-1105/022-000)
BK-BAS005B	Pluggable strain relief,5Pole,Wieland(92.052.8658.0)
BK-BAS005B2	Pluggable strain relief,5Pole,Wieland(92.953.4453.0)

List of matching drives

Model	Compatible drives
BK-BAS005A1	DLL052,DWL042,DWL060
BK-BAS005B1	

Specifications

	Pair	
BK-BAS005A1 Pluggable strain relief, 5Pole, (WAGO)		BK-BAS005A2 Pluggable connector, 5Pole, (WAGO)
	Pair	
BK-BAS005B1 Pluggable strain relief, 5Pole, (Wieland)		BK-BAS005B2 Pluggable connector, 5Pole, (Wieland)

Dimension

