



Merrytek Sense Infinitely

LED Driver



Product Brochure

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Company Profile

Dedicated to innovation in intelligent lighting and sensing control for 17 years

Merrytek was founded in 2011. Headquartered in Shenzhen, the city of innovation and vitality. We are a leading provider of "Intelligent lighting control and Smart sensing solutions" in China.

As a pioneer in technological innovation of intelligent lighting control components, microwave radar/PIR/environmental sensors, we continue to provide professional products and technical solutions for fields such as intelligent lighting, smart buildings, smart homes, security door control, and health and elderly care.



Global Market

Merrytek is supported by its Shenzhen headquarters and has multiple offices and channel agents in provinces/cities such as Fujian, Shandong, Henan, Shaanxi, Shanxi, Hangzhou, Suzhou, Zhongshan, Changsha, Wuhan, Chengdu, Chongqing, and Shanghai. In addition to the Chinese market, Merrytek's products are also exported to countries and regions such as Europe, South America, North America, Southeast Asia, and Central Asia, providing high-quality products and services to over 1100 customers in 110 countries/regions.


2011
Established in Shenzhen

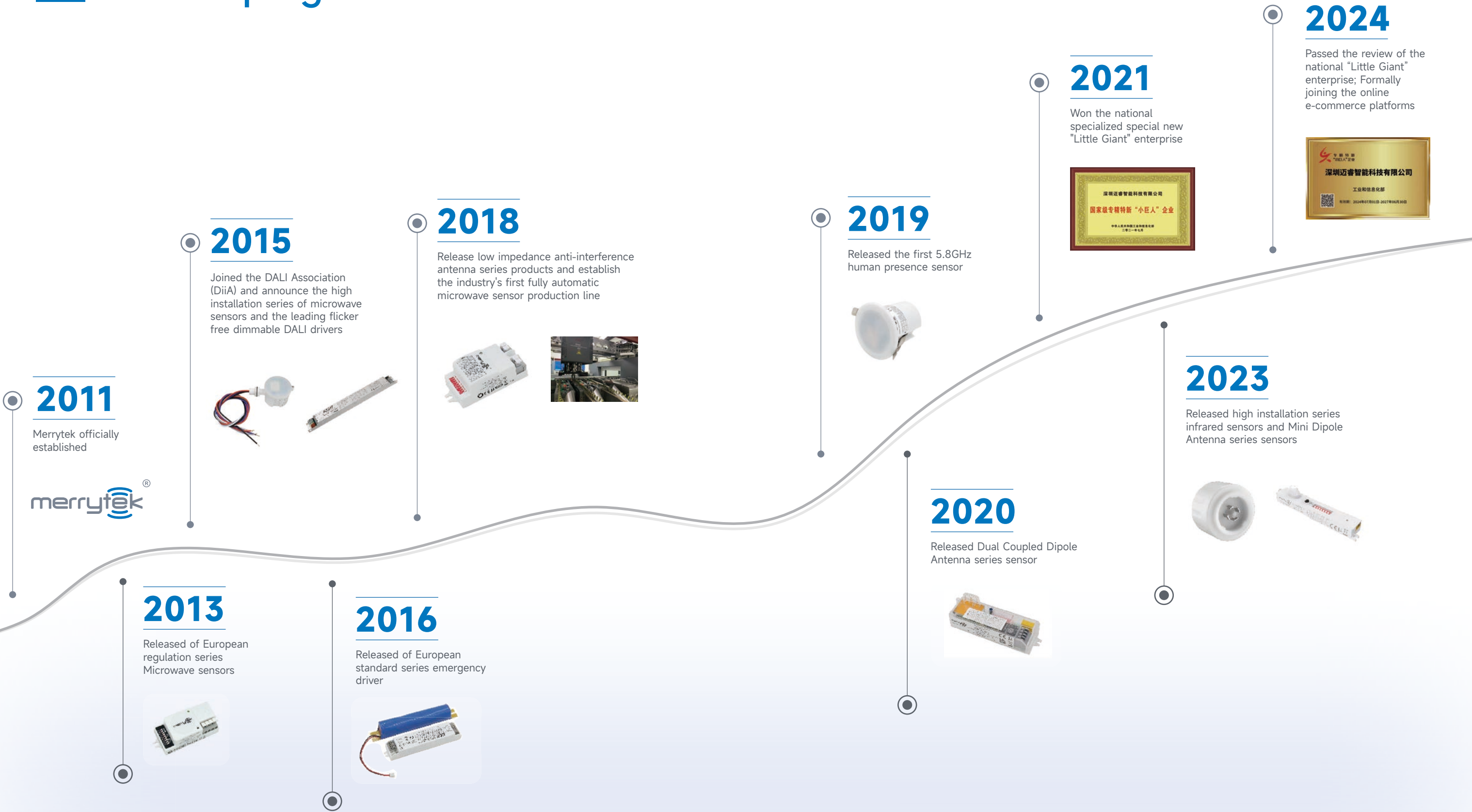

60+
R&D Team


600+
Authorized Patent


1100+
Serve Customers

- INNOVATION
INTEGRITY
- PROGRESS
HONESTY
- EFFICIENCY
COOPERATION

Developing Process



Social Recognition

2022

Shenzhen Intellectual Property Advantage Unit

2022

National Intellectual Property Advantage Enterprise

2022

National High Tech Technology Companies

2023

Guangdong Provincial Engineering Technology Research Center for Intelligent Sensors of Human Body Microwave Detection

2023

Famous Brand in Shenzhen

2024

National Level Specialized and Innovative "Little Giant" Enterprise



Intellectual Property

Since its establishment, Merrytek has accumulated over 600 intellectual property rights.

Intellectual Property

600+

Domestic Invention Patents

60

Foreign Invention Patents

17



DALI NFC Dimming Driver

NFC Programming Technology

Merrytek DALI NFC dimming driver adopts the new generation NFC full command programming method, integrates DALI command editing function, and can achieve fast control without master control. Debugging and rapid replacement of old and new equipment.

Infinite Dimming

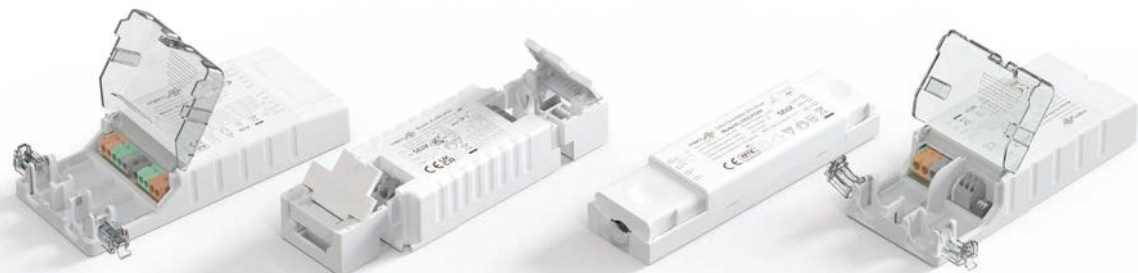
Merrytek adopts continuous and precise brightness adjustment technology to achieve smooth dimming of lamps from 1% to 100% without flicker, ensuring stable lighting output, provide users with a more comfortable silky smooth dimming experience.

Fine Tuning of Current Regulation

The Merrytek DALI NFC dimming driver can change the output current through the Merrytek NFC APP, achieving fine adjustment in 1mA steps to ensure the stability of the device. Always operating in the optimal electric drive state, meeting the needs of various types and the most suitable applications for the entire field.

CLO Light Attenuation Compensation

For devices with CLO function, they can be easily turned on, off, and parameter adjusted through Merrytek NFC APP. The output current is dynamically adjusted according to the natural loss of luminous flux of the LED lamp to ensure stable light output, providing users with a comfortable lighting experience while extending lamp lifespan.



MINI Series DALI DT6 NFC Driver

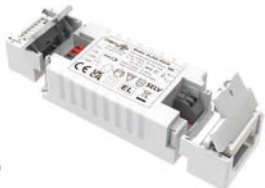
Features

NFC®

- The product is a constant current output LED dimming driver with full range dimming without frequency barrier
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and weak address without dropping
- Support centralized driver DC emergency operation DT19
- Support Elementary PUSH Dimming System, PUSH Dimming has state memory function
- MINI shell, detachable end cover, built-in ball independent driver, white switch
- Output short circuit/overload/over edge/over-voltage protection, reduce output current after overheating ensure the safe operation of LED
- Support NFC wireless programming
- 5-year warranty



KL10C-PDiiN



KL20C-PDiiN



KL35C-PDiiN



Active Power Factor Correction



DALI Dimming



PUSH Dimming



NFC Modulation



Dimming Memory Function



Logarithmic Dimming



Short Circuit Protection



Over Temperature Protection



Overload Protection



Open Protect



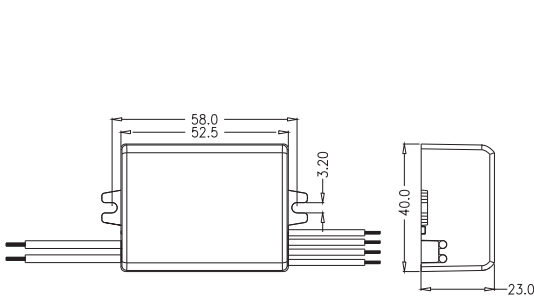
Constant Current



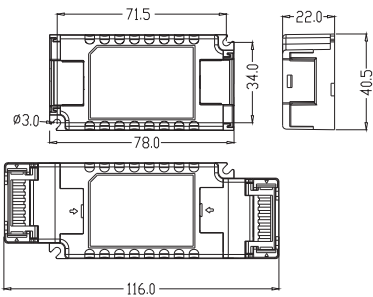
Linear Dimming

Product Spec

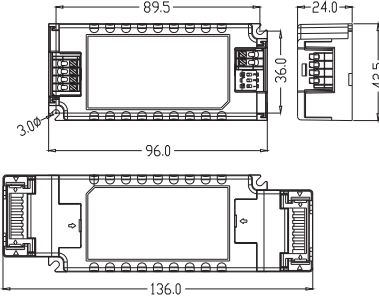
	KL10C-PDiiN	KL20C-PDiiN	KL35C-PDiiN
Dimming interface	DALI, Push	DALI, Push	DALI, Push
Dimming range	1-100%	1-100%	1-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.9C	0.93	0.95
Working efficiency	81% Max.	86% Max.	87% Max.
Output current/ voltage/power	150-350mA / 3-40Vdc / 10W Max.	100-550mA / 12-40Vdc / 20W Max.	500-1050mA /12-40Vdc / 35W Max.
DALI standard	ICE 62386 102, 207, 220, 251, 252, 253	ICE 62386 102, 207, 220, 251, 252, 253	ICE 62386 102, 207, 220, 251, 252, 253
Certification	CE, CB, ENEC, UKCA	CE, CB, ENEC, UKCA	CE, CB, ENEC, UKCA
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	64.5*40*23mm	Without crimping: 78*40.5*22mm With crimping: 116*40.5*22mm	Without crimping: 96*42.5*24mm With crimping: 136*42.5*24mm



KL10C-PDiiN



KL20C-PDiiN



KL35C-PDiiN

Quick-installation Series DALI DT6 NFC Driver

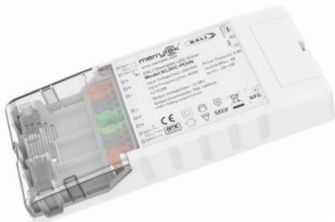
NFC

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
- Support centralized driver DC emergency operation DT19
- Support basic PUSH dimming function, PUSH dimming has state memory function
- Adopting a new generation of quick installation shell, portable and time-saving installation
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- Support NFC wireless programming
- 5-year warranty



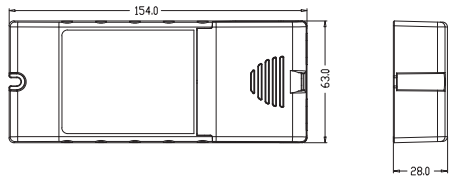
KL36C-PDiiN



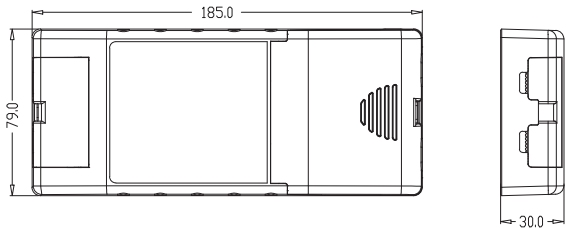
KL50C-PDiiN

Product Spec

	KL36C-PDiiN	KL50C-PDiiN
Dimming interface	DALI, Push	DALI, Push
Dimming range	1-100%	1-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	88% Max.	88% Max.
Output current/ voltage/power	500-1100mA / 12-50Vdc / 36W Max.	700-1400mA / 12-58Vdc / 50W Max.
DALI standard	ICE 62386 102, 207, 220, 251, 252, 253	ICE 62386 102, 207, 220, 251, 252, 253
Certification	CE, CB, ENEC, UKCA	CE, CB, ENEC, UKCA
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	154*63*28mm	185*79*30mm



KL36C-PDiiN



KL50C-PDiiN

Active Power Factor Correction

DALI Dimming

PUSH Dimming

NFC Modulation

Dimming Memory Function

Logarithmic Dimming

Short Circuit Protection

Over Temperature Protection

Overload Protection

Open Protect

Constant Current

Linear Dimming

Quick-installation DALI DT8 NFC Driver



Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Built in DALI DT8 interface, realizing DALI host control, stable performance, and no address code dropping
- Support centralized driver DC emergency operation DT19
- Support basic PUSH dimming function, PUSH dimming has state memory function
- Adopting a new generation of quick installation shell, portable and time-saving installation
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- Support NFC wireless programming
- 5-year warranty



KL12CC-PDiiN



KL36CC-PDiiN

Active Power Factor Correction

DALI Dimming

PUSH Dimming

NFC Modulation

Dimming Memory Function

Logarithmic Dimming

Short Circuit Protection

Over Temperature Protection

Overload Protection

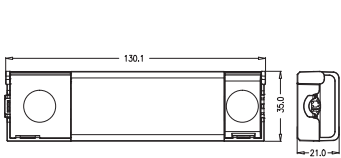
Open Protect

Constant Current

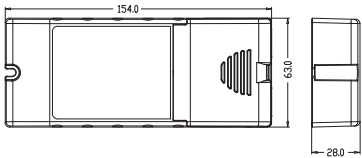
Linear Dimming

Product Spec

	KL12CC-PDiiN	KL36CC-PDiiN
Dimming interface	DALI, Push	DALI, Push
Dimming range	1-100%	1-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.9C	0.95
Working efficiency	82% Max.	88% Max.
Output current/ voltage/power	100-500mA / 9-42Vdc / 12W Max.	500-1100mA / 12-50Vdc / 36W Max.
DALI standard	ICE 62386 102, 209, 251, 252, 253	ICE 62386 102, 209, 220, 251, 252, 253
Certification	CE, CB, ENEC, UKCA	CE, CB, ENEC, UKCA
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	130*35*21mm	154*63*28mm



KL12CC-PDiiN



KL36CC-PDiiN

DALI D4i Dimming Driver



Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
 - Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
 - Support centralized driver DC emergency operation DT19
 - Support basic PUSH dimming function, PUSH dimming has state memory function
 - Adopting a new generation of quick installation shell, portable and time-saving installation
 - Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
 - Support NFC wireless programming
- 5-year warranty



KL40C-D4iN



KL45C-PD4iN

Active Power Factor Correction

DALI Dimming

NFC Modulation

Dimming Memory Function

Logarithmic Dimming

Linear Dimming

Over Temperature Protection

Overload Protection

Open Protect

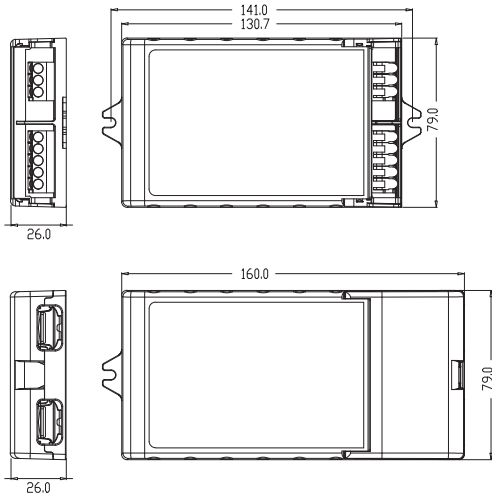
Constant Current

D4i

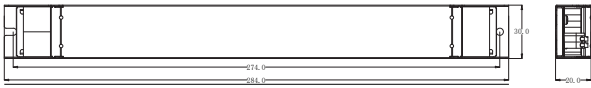
Short Circuit Protection

Product Spec

	KL45C-D4iN	KL45C-PD4iN
Dimming interface	DALI	DALI , Push
Dimming range	1-100%	1-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	88% Max.	88% Max.
Output current/ voltage/power	500-1100mA / 12-55Vdc / 45W Max.	500-1100mA / 15-58Vdc / 45W Max.
DALI standard	ICE 62386 102, 207, 220, 250, 251, 252, 253	ICE 62386 102, 207, 220, 250, 251, 252, 253
Certification	CE, CB, ENEC, UKCA	CE, CB, ENEC, UKCA
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	160*79*26mm	284*30*20mm



KL40C-D4iN



KL45C-PD4iN

DALI Dimming Driver

Stepless Dimming

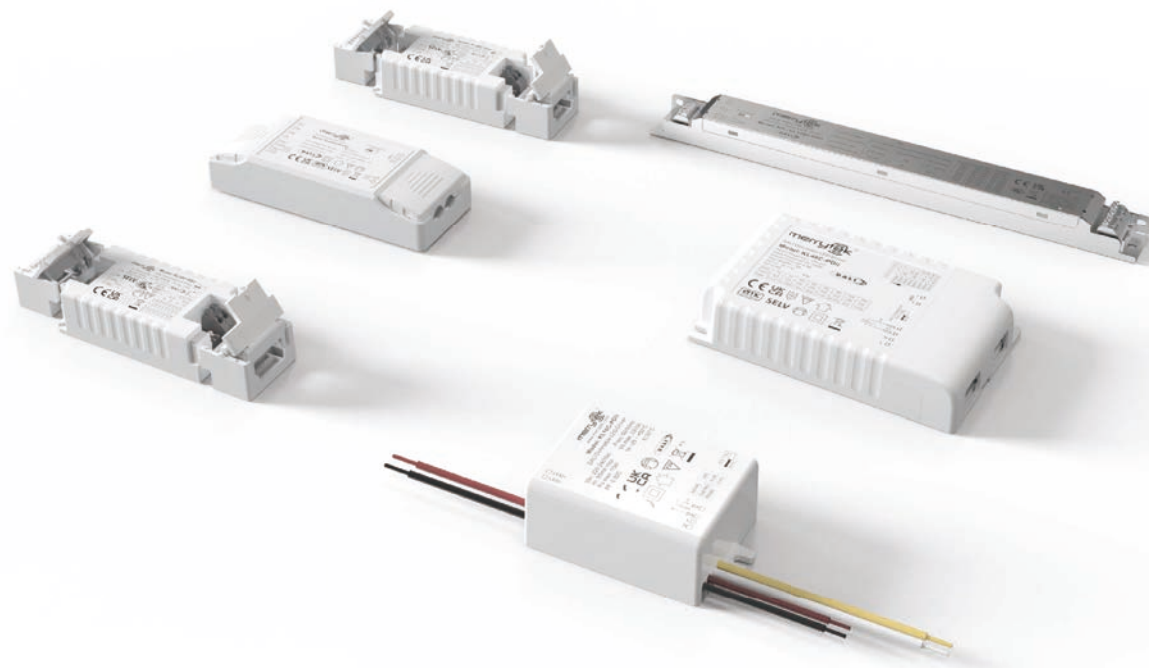
By adopting continuous and precise brightness adjustment technology, the lamp achieves smooth dimming without flicker from 2% to 100% in the full range, ensuring stable lighting output and providing users with a more comfortable dimming experience.

Wide Range Adjustment

Merrytek DALI dimming and tunable white driver, with multi-level output current options, provides a wider adjustment range even in low light conditions, meeting various types and full scene applications.

Extremely smooth dimming even in low brightness

Ordinary LED dimming power supplies are prone to jitter, discontinuity, and significant changes in brightness and color temperature during low brightness adjustment. Merrytek DALI dimming and color matching driver, low high smoothness dimming and color adjustment can also be achieved within the bright range, ensuring visual comfort for users.



Mini Series DALI DT6 Dimming Driver



Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
- Small Dimension, suitable for various small lamps such as tube lights, spotlights, ceiling lights, line lights, etc
- MINI casing, detachable end cover, built-in or independent driver for free switching
- Support basic PUSH dimming function, PUSH dimming has state memory function
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- 5-year warranty



KL10C-PDii
KL10C-PDii1



KL12C-PDii
KL12C-PDii1



KL20C-PDii
KL20C-PDii1
KL30C-PDii
KL35C-PDii

Active Power Factor Correction

DALI Dimming

PUSH Dimming

Output Current Selection Function

Dimming Memory Function

Logarithmic Dimming

Linear Dimming

Over Temperature Protection

Overload Protection

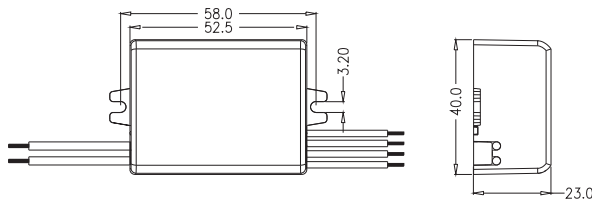
Open Protect

Constant Current

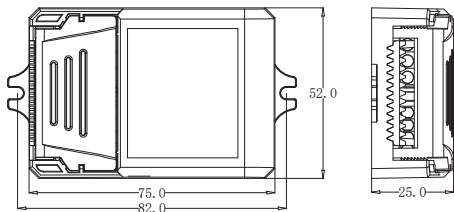
Short Circuit Protection

Product Spec

	KL10C-PDii	KL10C-PDii1	KL12C-PDii
Dimming interface	DALI, Push	DALI, Push	DALI, Push
Dimming range	2-100%	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.9C	0.9C	0.92C
Working efficiency	83% Max.	83% Max.	83% Max.
Output current/ voltage/power/ Single Current Output	200mA / 3-28Vdc / 5.6W Max.	150mA / 3-40Vdc / 6W Max.	350mA / 3-24Vdc / 8.4W Max.
	300mA / 3-28Vdc / 8.4W Max.	200mA / 3-40Vdc / 8W Max.	500mA / 3-24Vdc / 12W Max.
	500mA / 3-20Vdc / 10W Max.	250mA / 3-40Vdc / 10W Max.	550mA / 3-22Vdc / 12.1W Max.
		300mA / 3-33Vdc / 10W Max.	700mA / 3-17Vdc / 11.9W Max.
		350mA / 3-29Vdc / 10W Max.	700mA / 3-14Vdc / 10W Max.
DALI standard	ICE 62386 102, 207	ICE 62386 102, 207	ICE 62386 102, 207
Certification	CE	CE	CB, CE, ENEC, UKCA, SAA
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	64.5*40*23mm	64.5*40*23mm	88*52*25mm



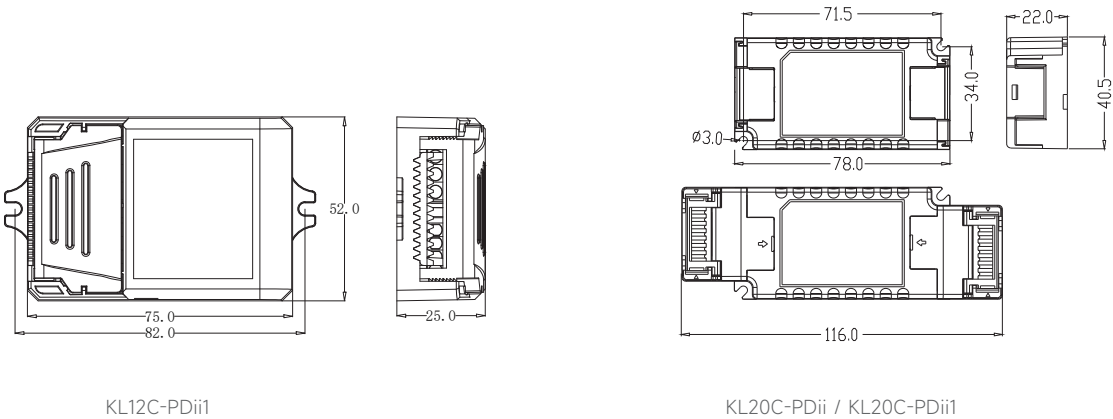
KL10C-PDii / KL10C-PDii1



KL12C-PDii

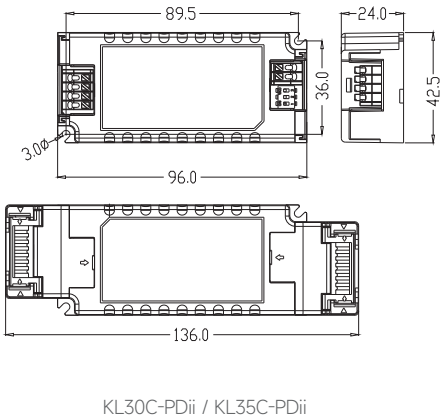
Product Spec

	KL12C-PDii1	KL20C-PDii	KL20C-PDii1
Dimming interface	DALI, Push	DALI, Push	DALI, Push
Dimming range	2-100%	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.9C	0.9C	0.9C
Working efficiency	83% Max.	87% Max.	88% Max.
Output current/ voltage/power	150mA / 3-40Vdc / 6W Max.	200mA / 3-45Vdc / 9W Max.	250mA / 12-40Vdc / 10W Max.
	200mA / 3-40Vdc / 8W Max.	250mA / 3-45Vdc / 11.25W Max.	300mA / 12-40Vdc / 12W Max.
	250mA / 3-40Vdc / 10W Max.	300mA / 3-45Vdc / 13.5W Max.	350mA / 12-40Vdc / 14W Max.
	300mA / 3-40Vdc / 12W Max.	350mA / 3-45Vdc / 15.75W Max.	400mA / 12-40Vdc / 16W Max.
	350mA / 3-36Vdc / 12.6W Max.	400mA / 3-45Vdc / 18W Max.	450mA / 12-40Vdc / 18W Max.
	400mA / 3-30Vdc / 12W Max.	450mA / 3-45Vdc / 20.25W Max.	500mA / 12-40Vdc / 20W Max.
	450mA / 3-27Vdc / 12.15W Max.	500mA / 3-40Vdc / 20W Max.	
	500mA / 3-24Vdc / 12W Max.	550mA / 3-36Vdc / 19.8W Max.	
DALI standard	ICE 62386 102, 207, 251, 252, 253	ICE 62386 102, 207	ICE 62386 102, 207, 220, 251, 252, 253
Certification	CE	CB, CE, ENEC, UKCA, SAA	CE
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	88*52*25mm	Without crimping: 78*40.5*22mm With crimping: 116*40.5*22mm	Without crimping: 78*40.5*22mm With crimping: 116*40.5*22mm



Product Spec

	KL30C-PDii	KL35C-PDii
Dimming interface	DALI, Push	DALI, Push
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	88% Max.	88% Max.
Output current/ voltage/power	500mA / 12-40Vdc / 20W Max.	700mA / 3-40Vdc / 28W Max.
	550mA / 12-40Vdc / 22W Max.	750mA / 3-40Vdc / 30W Max.
	600mA / 12-40Vdc / 24W Max.	800mA / 3-40Vdc / 32W Max.
	650mA / 12-40Vdc / 26W Max.	850mA / 3-40Vdc / 34W Max.
	700mA / 12-40Vdc / 28W Max.	900mA / 3-38Vdc / 34.2W Max.
	900mA / 12-33Vdc / 29.7W Max.	950mA / 3-36Vdc / 34.2W Max.
	1000mA / 12-30Vdc / 30W Max.	1000mA / 3-35Vdc / 35W Max.
		1050mA / 3-33Vdc / 34.65W Max.
DALI standard	ICE 62386 102, 207, 220, 251, 252, 253	ICE 62386 102, 207
Certification	CE	CB, CE, ENEC, UKCA, SAA
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	Without crimping: 96*42.5*24mm With crimping: 136*42.5*24mm	Without crimping: 96*42.5*24mm With crimping: 136*42.5*24mm



DALI Dimming Driver

Quick-installation DALI DT6 Dimming Driver

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
- Support centralized driver DC emergency operation DT19
- Support basic PUSH dimming function, PUSH dimming has state memory function
- Support secondary 1-10V dimming function
- Adopting a new generation of quick installation shell, portable and time-saving installation
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED

5-year warranty



KL36C-PDiV

Active Power Factor Correction

DALI Dimming

PUSH Dimming

1-10V Dimming

Output Current Selection Function

Dimming Memory Function

Logarithmic dimming

Linear Dimming

Short Circuit Protection

Over Temperature Protection

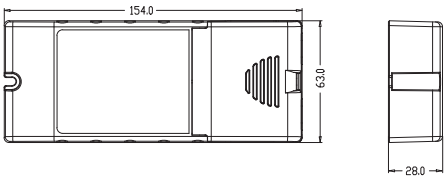
Overload Protection

Open Protect

Constant Current

Product Spec

KL36C-PDiV	
Dimming interface	DALI, Push, 1-10V
Dimming range	1-100%
Input voltage	220-240Vac
Output protection	SELV
Power factor	0.95
Working efficiency	88% Max.
Output current/ voltage/power	500mA / 12-58Vdc / 29W Max.
	550mA / 12-58Vdc / 31.9W Max.
	600mA / 12-58Vdc / 34.8W Max.
	650mA / 12-55Vdc / 35.8W Max.
	700mA / 12-51Vdc / 35.7W Max.
	750mA / 12-48Vdc / 36W Max.
	800mA / 12-45Vdc / 36W Max.
	850mA / 12-42Vdc / 35.7W Max.
	900mA / 12-40Vdc / 36W Max.
	950mA / 12-38Vdc / 36.1W Max.
	1000mA / 12-36Vdc / 36W Max.
	1050mA / 12-34Vdc / 35.7W Max.
	1100mA / 12-33Vdc / 36.3W Max.
DALI standard	ICE 62386 102, 207, 220, 251, 252, 253
Certification	CE
Working temperature	-25°C~50°C
IP degree	IP20
Dimension	154*63*28mm



KL36C-PDiV

Classic 3in1 DALI DT6 Dimming Driver

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
- Support secondary 1-10V dimming function
- Support basic PUSH dimming function, PUSH dimming has state memory function
- Support 10V PWM dimming (1KHz-4KHz)
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- 5-year warranty



KL10C-PDiiV



KL20C-PDiiV



KL40C-PDiiV2
KL60C-PDiiV
KL60C2-PDiiV



KL25C-PDiiV
KL25C-PDii3



KL30C-PDiiV
KL30C-PDiiV2
KL35C-PDii1



KL40C-PDiiV
KL40C-PDiiV1
KL46C-PDii
KL50C-PDiiV
KL50C-PDiiV2
KL60C-DiiP



Active Power
Factor Correction



DALI Dimming



PUSH Dimming



1-10V Dimming



Output Current
Selection Function



Dimming Memory
Function



Logarithmic Dimming



Linear Dimming



Short Circuit
Protection



Over Temperature
Protection



Overload Protection



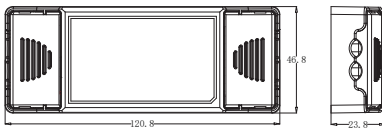
Open Protect



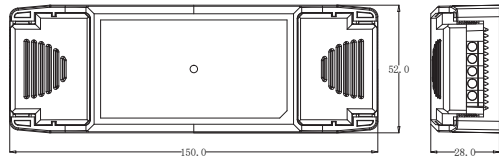
Constant Current

Product Spec

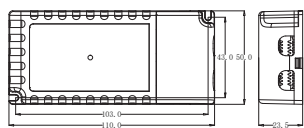
	KL10C-PDiiV	KL20C-PDiiV	KL25C-PDiiV
Dimming interface	DALI, Push, 1-10V	DALI, Push, 1-10V	DALI, Push, 1-10V
Dimming range	2-100%	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.9C	0.95	0.95
Working efficiency	83% Max.	85% Max.	86% Max.
Output current/ voltage/power	100mA / 9-40Vdc / 4W Max.	250mA / 9-60Vdc / 15W Max.	150mA / 9-58Vdc / 9W Max.
	180mA / 9-40Vdc / 7.2W Max.	350mA / 9-58Vdc / 20.5W Max.	350mA / 9-58Vdc / 20W Max.
	270mA / 9-40Vdc / 10.8W Max.	500mA / 9-42Vdc / 21W Max.	550mA / 9-45Vdc / 25W Max.
	350mA / 9-36Vdc / 12.6W Max.	700mA / 9-30Vdc / 21W Max.	
	440mA / 9-27Vdc / 11.9W Max.		
DALI standard	ICE 62386 102, 207	ICE 62386 102, 207	ICE 62386 102, 207
Certification	CB, ENEC, S-mark, SAA	CB, ENEC, S-mark	CE
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	120*46*23.8mm	150*52*28mm	110*50*23.5mm



KL10C-PDiiV



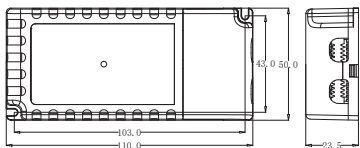
KL20C-PDiiV



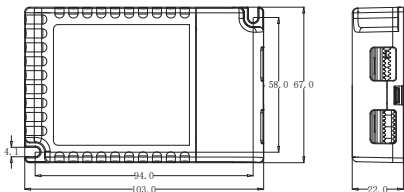
KL25C-PDiiV

Product Spec

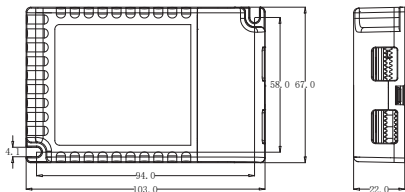
	KL25C-PDii3	KL30C-PDiiV	KL30C-PDiiV2
Dimming interface	DALI, Push, 1-10V	DALI, Push, 1-10V	DALI, Push, 1-10V
Dimming range	2-100%	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.95	0.95	0.95
Working efficiency	86% Max.	86% Max.	86% Max.
Output current/ voltage/power	350mA / 9-58Vdc / 20.3W Max.	300mA / 9-58Vdc / 17W Max.	110mA / 12-83Vdc / 91W Max.
	500mA / 9-50Vdc / 25W Max.	350mA / 9-58Vdc / 20W Max.	230mA / 12-83Vdc / 19W Max.
	550mA / 9-45Vdc / 24.8W Max.	400mA / 9-58Vdc / 23W Max.	240mA / 12-83Vdc / 20W Max.
	700mA / 9-36Vdc / 25.2W Max.	450mA / 9-58Vdc / 26W Max.	260mA / 12-83Vdc / 22W Max.
		500mA / 9-58Vdc / 29W Max.	275mA / 12-83Vdc / 23W Max.
		550mA / 9-55Vdc / 30W Max.	
		600mA / 9-50Vdc / 30W Max.	
		650mA / 9-46Vdc / 30W Max.	
		700mA / 9-42Vdc / 30W Max.	
		750mA / 9-40Vdc / 30W Max.	
		800mA / 9-38Vdc / 30W Max.	
		850mA / 9-35Vdc / 30W Max.	
		900mA / 9-34Vdc / 30W Max.	
DALI standard	ICE 62386 102, 207	ICE 62386 102, 207	ICE 62386 102, 207
Certification	CE	CB, ENEC, S-mark	CE, UKCA
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	110*50*23.5mm	103*67*22mm	103*67*22mm



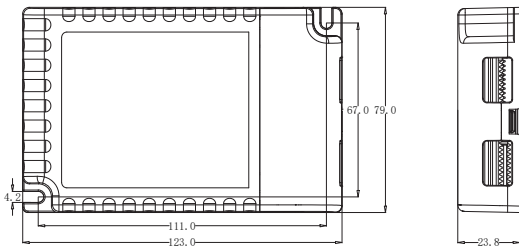
KL25C-PDii3



KL30C-PDiiV / KL30C-PDiiV2



KL35C-PDii1



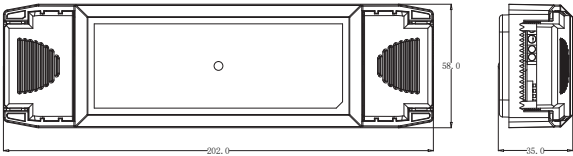
KL40C-PDiiV / KL40C-PDiiV1

Product Spec

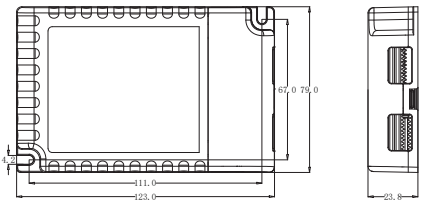
	KL35C-PDii1	KL40C-PDiiV	KL40C-PDiiV1
Dimming interface	DALI, Push	DALI, Push, 1-10V	DALI, Push, 1-10V
Dimming range	2-100%	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.95	0.95	0.95
Working efficiency	87% Max.	87% Max.	86% Max.
Output current/ voltage/power	500mA / 12-48Vdc / 24W Max.	500mA / 9-58Vdc / 29W Max.	700mA / 9-57Vdc / 40W Max.
	550mA / 12-48Vdc / 26.4W Max.	550mA / 9-58Vdc / 32W Max.	750mA / 9-54Vdc / 40W Max.
	600mA / 12-48Vdc / 28.8W Max.	600mA / 9-58Vdc / 35W Max.	800mA / 9-50Vdc / 40W Max.
	650mA / 12-48Vdc / 31.2W Max.	650mA / 9-58Vdc / 37.5W Max.	850mA / 9-47Vdc / 40W Max.
	700mA / 12-48Vdc / 33.6W Max.	700mA / 9-58Vdc / 40.5W Max.	900mA / 9-45Vdc / 40W Max.
	750mA / 12-46Vdc / 34.5W Max.	750mA / 9-53Vdc / 40W Max.	950mA / 9-42Vdc / 40W Max.
	800mA / 12-44Vdc / 35W Max.	800mA / 9-50Vdc / 40W Max.	1000mA / 9-40Vdc / 40W Max.
	900mA / 12-39Vdc / 35W Max.	850mA / 9-47Vdc / 40W Max.	1050mA / 9-38Vdc / 40W Max.
		900mA / 9-45Vdc / 40W Max.	1100mA / 9-38Vdc / 40W Max.
		950mA / 9-42Vdc / 40W Max.	1150mA / 9-35Vdc / 40W Max.
		1000mA / 9-40Vdc / 40W Max.	1200mA / 9-33Vdc / 40W Max.
		1050mA / 9-38Vdc / 40W Max.	
DALI standard	ICE 62386 102, 207, 220, 251, 252, 253	ICE 62386 102, 207	ICE 62386 102, 207
Certification	CE	CB, ENEC, S-mark	CB, ENEC, S-mark
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	103*67*22mm	123*79*23.8mm	123*79*23.8mm

Product Spec

	KL40C-PDiiV2	KL46C-PDii
Dimming interface	DALI, Push, 1-10V	DALI, Push
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	86% Max.	87% Max.
Output current/ voltage/power	700mA / 9-57Vdc / 40W Max.	700mA / 9-53Vdc / 37.1W Max.
	750mA / 9-54Vdc / 40.5W Max.	750mA / 9-53Vdc / 39.8W Max.
	800mA / 9-50Vdc / 40W Max.	800mA / 9-53Vdc / 42.4W Max.
	850mA / 9-47Vdc / 40W Max.	850mA / 9-53Vdc / 45W Max.
	900mA / 9-45Vdc / 40.5W Max.	900mA / 9-50Vdc / 45W Max.
	950mA / 9-42Vdc / 40W Max.	950mA / 9-48Vdc / 45.6W Max.
	1000mA / 9-40Vdc / 40W Max.	1000mA / 9-46Vdc / 46W Max.
	1050mA / 9-38Vdc / 40W Max.	1050mA / 9-44Vdc / 46W Max.
	1100mA / 9-38Vdc / 40W Max.	
	1150mA / 9-35Vdc / 40W Max.	
	1200mA / 9-33Vdc / 40W Max.	
DALI standard	ICE 62386 102, 207	ICE 62386 102, 207, 220, 251, 252, 253
Certification	CB, ENEC, S-mark	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	202*58*30mm	123*79*23.8mm



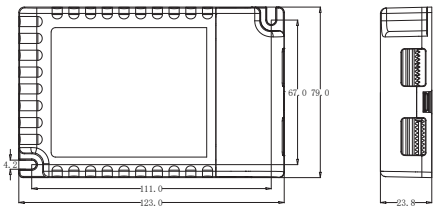
KL40C-PDiiV2



KL46C-PDii

Product Spec

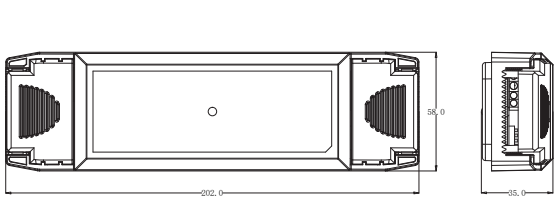
	KL50C-PDiiV	KL50C-PDiiV2
Dimming interface	DALI, Push, 1-10V	DALI, Push, 1-10V
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	86% Max.	86% Max.
Output current/ voltage/power	700mA / 9-58Vdc / 40.6W Max.	700mA / 9-58Vdc / 40.6W Max.
	800mA / 9-58Vdc / 46.4W Max.	750mA / 9-58Vdc / 43.5W Max.
	900mA / 9-56Vdc / 50W Max.	800mA / 9-58Vdc / 46.4W Max.
	1050mA / 9-48Vdc / 50W Max.	850mA / 9-58Vdc / 49.3W Max.
	1200mA / 9-41Vdc / 50W Max.	900mA / 9-58Vdc / 52.2W Max.
	1300mA / 9-38Vdc / 50W Max.	950mA / 9-53Vdc / 50.4W Max.
	1400mA / 9-36Vdc / 50W Max.	1000mA / 9-50Vdc / 50W Max.
		1050mA / 9-48Vdc / 50.4W Max.
		1100mA / 9-45Vdc / 49.5W Max.
		1150mA / 9-43Vdc / 49.5W Max.
		1200mA / 9-42Vdc / 50.4W Max.
		1250mA / 9-40Vdc / 50W Max.
		1300mA / 9-38Vdc / 49.4W Max.
		1350mA / 9-37Vdc / 50W Max.
		1400mA / 9-36Vdc / 50.4W Max.
DALI standard	ICE 62386 102, 207	ICE 62386 102, 207
Certification	CB, ENEC, S-mark	CB, ENEC, S-mark
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	123*79*23.8mm	123*79*23.8mm



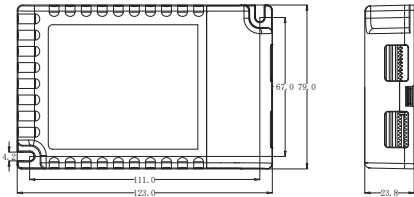
KL50C-PDiiV / KL50C-PDiiV2

Product Spec

	KL60C2-PDiV	KL60C-DiiP
Dimming interface	DALI, Push, 1-10V	DALI, Push
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	86% Max.	86% Max.
Output current/ voltage/power	350mA / 9-58Vdc / 2*20.3W Max.	350mA / 9-71Vdc / 25W Max.
	500mA / 9-58Vdc / 2*29W Max.	500mA / 9-71Vdc / 36W Max.
	700mA / 9-42Vdc / 2*29.4W Max.	550mA / 9-71Vdc / 39W Max.
	900mA / 9-33Vdc / 2*30W Max.	650mA / 9-71Vdc / 46W Max.
		700mA / 9-71Vdc / 50W Max.
		750mA / 9-71Vdc / 54W Max.
		850mA / 9-70Vdc / 60W Max.
		900mA / 9-66Vdc / 60W Max.
		1000mA / 9-60Vdc / 60W Max.
		1050mA / 9-57Vdc / 60W Max.
DALI standard	ICE 62386 102, 207	ICE 62386 102, 207
Certification	CB, ENEC, S-mark	CB, ENEC, S-mark
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	202*58*30mm	123*79*23.8mm



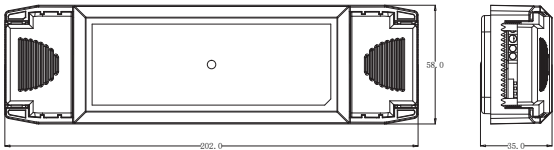
KL60C2-PDiV



KL60C-DiiP

Product Spec

	KL60C-PDiV
Dimming interface	DALI, Push, 1-10V
Dimming range	2-100%
Input voltage	220-240Vac
Output protection	SELV
Power factor	0.95
Working efficiency	86% Max.
Output current/ voltage/power	900mA / 9-58Vdc / 52.2W Max.
	1050mA / 9-58Vdc / 60W Max.
	1200mA / 9-50Vdc / 60W Max.
	1400mA / 9-43Vdc / 60W Max.
	1750mA / 9-34Vdc / 60W Max.
DALI standard	ICE 62386 102, 207
Certification	CB, ENEC, S-mark
Working temperature	-25°C~50°C
IP degree	IP20
Dimension	202*58*30mm



KL60C-PDiV

Linear DALI DT6 Dimming Driver

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
- Support secondary 1-10V dimming function
- Support basic PUSH dimming function, PUSH dimming has state memory function
- Support 10V PWM dimming (1KHz-4KHz)
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- 5-year warranty



KL30C-PDiiV1 / KL38C-PDiiV1 / KL50C-PDiiV3 / KL50C-PDiiV4 / KL60C-PDiiV1 / KL70C-PDiiV1

Active Power Factor Correction

DALI Dimming

PUSH Dimming

1-10V Dimming

Output Current Selection Function

Dimming Memory Function

Logarithmic Dimming

Linear Dimming

Short Circuit Protection

Over Temperature Protection

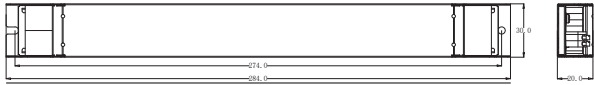
Overload Protection

Open Protect

Constant Current

Product Spec

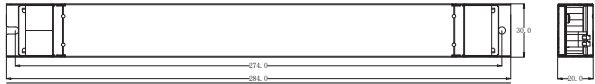
	KL30C-PDiiV1	KL38C-PDiiV1	KL50C-PDiiV3
Dimming interface	DALI, Push, 1-10V	DALI, Push, 1-10V	DALI, Push, 1-10V
Dimming range	2-100%	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.95	0.95	0.95
Working efficiency	86% Max.	87% Max.	87% Max.
Output current/ voltage/power	200mA / 18-90Vdc / 18W Max.	300mA / 9-60Vdc / 18W Max.	700mA / 9-58Vdc / 41W Max.
	250mA / 18-90Vdc / 22.5W Max.	350mA / 9-60Vdc / 21W Max.	800mA / 9-58Vdc / 46W Max.
	300mA / 18-90Vdc / 27W Max.	400mA / 9-60Vdc / 24W Max.	850mA / 9-58Vdc / 49W Max. 900mA / 9-55Vdc / 50W Max. 950mA / 9-52Vdc / 49W Max.
	350mA / 18-85Vdc / 29.8W Max.	450mA / 9-60Vdc / 27W Max.	
	400mA / 18-75Vdc / 30W Max.	500mA / 9-60Vdc / 30W Max.	1000mA / 9-50Vdc / 50W Max.
	450mA / 18-67Vdc / 30.2W Max.	550mA / 9-60Vdc / 33W Max.	1050mA / 9-48Vdc / 50W Max.
	500mA / 18-60Vdc / 30W Max.	600mA / 9-60Vdc / 36W Max.	1100mA / 9-45Vdc / 50W Max.
	550mA / 18-55Vdc / 30.3W Max.	650mA / 9-58Vdc / 37.7W Max.	1150mA / 9-44Vdc / 50W Max.
		700mA / 9-54Vdc / 37.8W Max.	1200mA / 9-42Vdc / 50W Max.
		750mA / 9-51Vdc / 38.3W Max.	1250mA / 9-40Vdc / 50W Max.
		800mA / 9-47Vdc / 37.6W Max.	1300mA / 9-39Vdc / 50W Max.
		850mA / 9-45Vdc / 38.3W Max.	1400mA / 9-36Vdc / 50W Max.
		900mA / 9-42Vdc / 37.8W Max.	
DALI standard	ICE 62386 102, 207	ICE 62386 102, 207	ICE 62386 102, 207
Certification	CE, UKCA	CE, UKCA	CE, UKCA
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	284*30*20mm	284*30*20mm	284*30*20mm



KL30C-PDiiV1 / KL38C-PDiiV1 / KL50C-PDiiV3

Product Spec

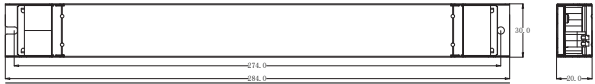
	KL50C-PDiiV4	KL60C-PDiiV1
Dimming interface	DALI, Push, 1-10V	DALI, Push, 1-10V
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	87% Max.	87% Max.
DALI standard	600mA / 12-73Vdc / 44W Max. 650mA / 12-73Vdc / 48W Max. 700mA / 12-72Vdc / 50W Max. 750mA / 12-66Vdc / 50W Max. 800mA / 12-62Vdc / 50W Max. 850mA / 12-59Vdc / 50W Max. 900mA / 12-56Vdc / 50W Max. 950mA / 12-53Vdc / 50W Max. 1000mA / 12-50Vdc / 50W Max. 1050mA / 1 2-48Vdc / 50W Max. 1100mA / 12-45Vdc / 50W Max. 1150mA / 12-43Vdc / 50W Max. 1200mA / 12-41Vdc / 49W Max.	700mA / 9-58Vdc / 41W Max. 800mA / 9-58Vdc / 46W Max. 850mA / 9-58Vdc / 49W Max. 900mA / 9-58Vdc / 52W Max. 950mA / 9-58Vdc / 55W Max. 1000mA / 9-58Vdc / 58W Max. 1050mA / 9-57Vdc / 60W Max. 1150mA / 9-52Vdc / 60w Max. 1200mA / 9-50Vdc / 60W Max. 1250mA / 9-48Vdc / 60W Max. 1300mA / 9-46Vdc / 60W Max. 1400mA / 9-43Vdc / 60W Max.
Certification	ICE 62386 102, 207	ICE 62386 102, 207
Output current/ voltage/power	CE, UKCA	CE, UKCA
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	284*30*20mm	284*30*20mm



KL50C-PDiiV4 / KL60C-PDiiV1

Product Spec

	KL70C-PDiiV1
Dimming interface	DALI, Push, 1-10V
Dimming range	2-100%
Input voltage	220-240Vac
Output protection	SELV
Power factor	0.95
Working efficiency	87% Max.
DALI standard	700mA / 9-66Vdc / 46W Max. 800mA / 9-66Vdc / 53W Max. 850mA / 9-66Vdc / 56W Max. 900mA / 9-66Vdc / 59W Max. 950mA / 9-66Vdc / 63W Max. 1000mA / 9-66Vdc / 66W Max. 1050mA / 9-66Vdc / 69W Max. 1150mA / 9-61Vdc / 70W Max. 1200mA / 9-58Vdc / 70W Max. 1250mA / 9-56Vdc / 70W Max. 1300mA / 9-54Vdc / 70W Max. 1400mA / 9-50Vdc / 70W Max.
Certification	ICE 62386 102, 207
Output current/ voltage/power	CE, UKCA
Working temperature	-25°C~50°C
IP degree	IP20
Dimension	284*30*20mm



KL70C-PDiiV1 / KL60C-PDii

NO-SELV DALI DT6 Dimming Driver

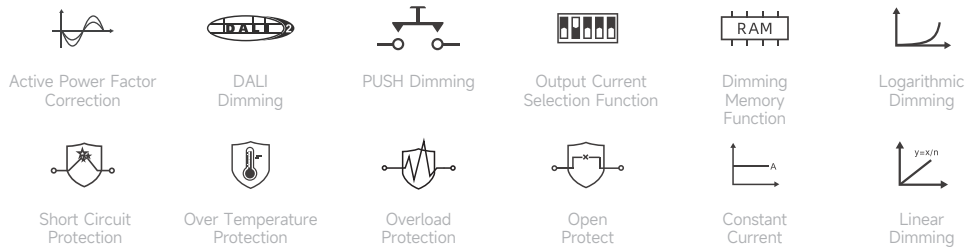
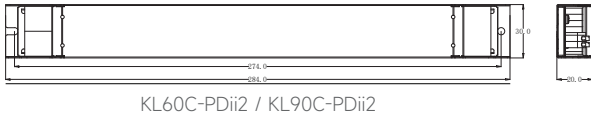
Features

- The product is a non isolated constant current output LED dimming driver, with full range dimming and no flicker
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
- Primary PUSH dimming function, PUSH dimming has state memory function
- The product has no afterglow when turned off
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- 5-year warranty

Product Spec



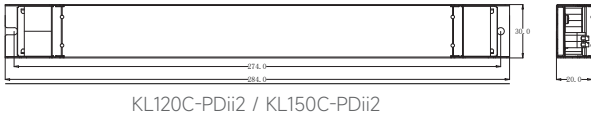
	KL60C-PDii2	KL90C-PDii2
Dimming interface	DALI, Push	DALI, Push
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	No-SELV	No-SELV
Power factor	0.95	0.95
Working efficiency	93% Max.	93% Max.
DALI standard	200mA / 80-300Vdc / 56W Max. 250mA / 80-240Vdc / 60W Max. 300mA / 80-200Vdc / 60W Max. 350mA / 80-170Vdc / 60W Max. 400mA / 80-150Vdc / 60W Max. 450mA / 80-133Vdc / 60W Max. 500mA / 80-120Vdc / 60W Max.	300mA / 80-300Vdc / 90W Max. 350mA / 80-258Vdc / 90W Max. 450mA / 80-200Vdc / 90W Max. 500mA / 80-180Vdc / 90W Max. 550mA / 80-164Vdc / 90W Max. 650mA / 80-139Vdc / 90W Max. 700mA / 80-129Vdc / 90W Max.
Certification	ICE 62386 102, 207, 220, 251, 252, 253	ICE 62386 102, 207, 220, 251, 252, 253
Output current/voltage/power	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	284*30*20mm	284*30*20mm



KL60C-PDii2 / KL90C-PDii2 / KL120C-PDii2 / KL150C-PDii2

Product Spec

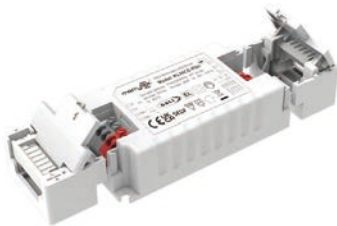
	KL120C-PDii2	KL150C-PDii2
Dimming interface	DALI, Push	DALI, Push
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	No-SELV	No-SELV
Power factor	0.95	0.95
Working efficiency	93% Max.	93% Max.
DALI standard	300mA / 80-330Vdc / 99w Max. 350mA / 80-330Vdc / 116W Max. 450mA / 80-266Vdc / 120W Max. 500mA / 80-240Vdc / 120W Max. 550mA / 80-219Vdc / 120W Max. 650mA / 80-185Vdc / 120W Max. 700mA / 80-172Vdc / 120W Max.	500mA / 80-300Vdc / 150W Max. 600mA / 80-250Vdc / 150W Max. 700mA / 80-214Vdc / 150W Max. 800mA / 80-187Vdc / 150W Max. 900mA / 80-166Vdc / 150W Max. 1000mA / 80-150Vdc / 150W Max.
Certification	ICE 62386 102, 207, 220, 251, 252, 253	ICE 62386 102, 207, 220, 251, 252, 253
Output current/voltage/power	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	284*30*20mm	284*30*20mm



DALI DT8 Dimming Driver

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Small Dimension, suitable for various small lamps such as tube lights, spotlights, ceiling lights, linear lights, etc
- Built in DALI DT8 interface, realizing DALI host control, stable performance, and no address code dropping
- Primary PUSH dimming function, PUSH dimming has state memory function
- Two outputs, selectable color temperature function: CC, CW, CC+CW
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- 5-year warranty



KL26CC-PDii

KL46CC-PDii1

Active Power Factor Correction

DALI Dimming

PUSH Dimming

Output Current Selection Function

Dimming Memory Function

Logarithmic Dimming

Short Circuit Protection

Over Temperature Protection

Overload Protection

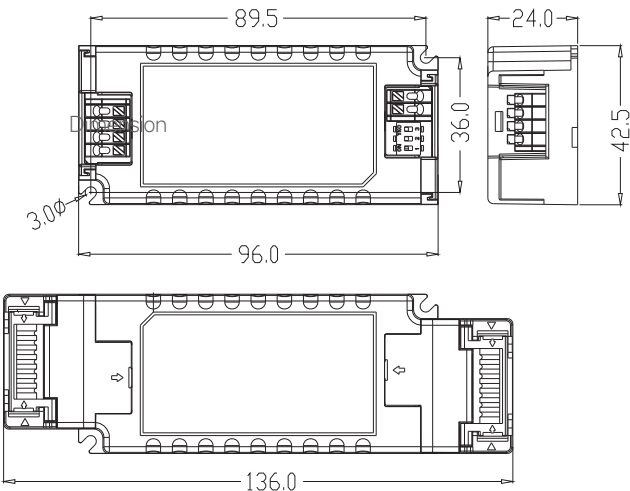
Open Protect

Constant Current

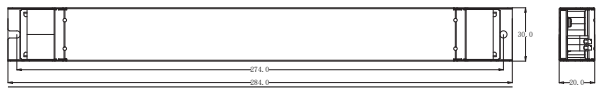
Linear Dimming

Product Spec

	KL26CC-PDii	KL46CC-PDii1
Dimming interface	DALI, Push	DALI, Push
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	86% Max.	85% Max.
DALI standard	300mA / 12-42Vdc / 12.6W Max.	250mA / 50-130Vdc / 32.5W Max.
	350mA / 12-42Vdc / 14.7W Max.	300mA / 50-130Vdc / 39W Max.
	500mA / 12-42Vdc / 21W Max.	350mA / 50-130Vdc / 45.5W Max.
	600mA / 12-42Vdc / 25.2W Max.	400mA / 50-110Vdc / 44W Max.
		450mA / 50-100Vdc / 45W Max.
		500mA / 50-92Vdc / 46W Max.
Certification	ICE 62386 102, 209, 251, 252, 253	ICE 62386 102, 209, 251, 252, 253
Output current/ voltage/power	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	Without crimping: 96*42.5*24mm With crimping: 136*42.5*24mm	284*30*20mm



KL26CC-PDii



KL46CC-PDii1

DALI DT8 Dimming Driver

Features

- Constant Current and flicker free at any brightness
- Support built-in and independent installation with detachable end cover
- Support DALI 8+ Push dim
- Two output current, CC, CW and CC+CW
- Output short circuit/overload/over temperature/over-voltage protection
- 5-year warranty

Flicker-free



KL40CC-PDii / KL50CC-PDii



Active Power Factor Correction

DALI Dimming

PUSH Dimming

Output Current Selection Function

Dimming Memory Function

Logarithmic Dimming

Short Circuit Protection

Over Temperature Protection

Overload Protection

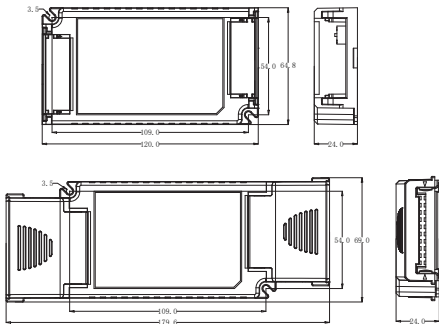
Open Protect

Constant Current

Linear Dimming

Product Spec

	KL40CC-PDii	KL50CC-PDii
Dimming interface	DALI, Push	DALI, Push
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	86% Max.	87% Max.
Output current/ voltage/power	500mA / 12-50Vdc / 25W Max. 550mA / 12-50Vdc / 27.5W Max. 600mA / 12-50Vdc / 30W Max. 650mA / 12-50Vdc / 32.5W Max. 700mA / 12-50Vdc / 35W Max. 750mA / 12-50Vdc / 37.5W Max. 800mA / 12-50Vdc / 40W Max. 850mA / 12-47Vdc / 40W Max. 900mA / 12-44Vdc / 39.6W Max. 950mA / 12-42Vdc / 39.9W Max. 1000mA / 12-40Vdc / 40W Max. 1050mA / 12-38Vdc / 39.9W Max.	700mA / 12-53Vdc / 37.1W Max. 750mA / 12-53Vdc / 40W Max. 800mA / 12-53Vdc / 42.4W Max. 850mA / 12-53Vdc / 45W Max. 900mA / 12-53Vdc / 47.7W Max. 950mA / 12-52Vdc / 49.4W Max. 1000mA / 12-50Vdc / 50W Max. 1050mA / 12-47Vdc / 49.3W Max. 1100mA / 12-45Vdc / 49.5W Max. 1150mA / 12-43Vdc / 49.4W Max. 1200mA / 12-41Vdc / 49.2W Max.
DALI standard	ICE 62386 102, 209, 251, 252, 253	ICE 62386 102, 209, 251, 252, 253
Certification	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	Without crimping: 120*64.8*24mm With crimping: 179.6*66.9*24mm	Without crimping: 120*64.8*24mm With crimping: 179.6*66.9*24mm



KL40CC-PDii / KL50CC-PDii

DALI Dimming Driver

Constant Voltage DALI DT6 Dimming Driver

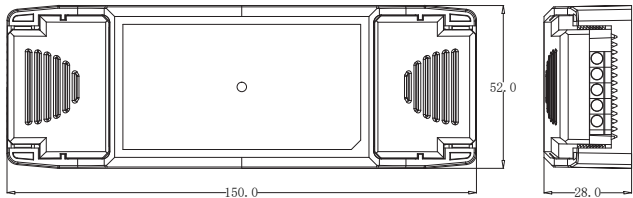
Features

- Contact current and flicker free at any brightness
- Built in DALI DT6 interface, realizing DALI host control, stable performance, and no address code dropping
- Support secondary 0-10V dimming function
- Support Primary PUSH dimming function, with memory function
- Support 10V PWM dimming (3KHz-8KHz)
- Output short circuit/overload/over temperature/over-voltage protection
- 5-year warranty

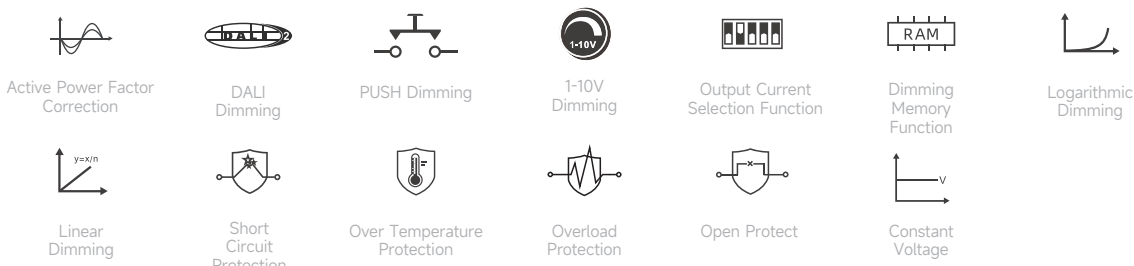


Product Spec

	KL40V-PDiiV	KL40V-PDiiV1
Dimming interface	DALI, Push, 0-10V	DALI, Push, 0-10V
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	87% Max.	89% Max.
DALI standard	3330mA / 12Vdc / 40W Max.	1670mA / 24Vdc / 40W Max.
Certification	ICE 62386 102, 207	ICE 62386 102, 207
Output current/ voltage/power	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	150*52*28mm	150*52*28mm



KL40V-PDiiV / KL40V-PDiiV1



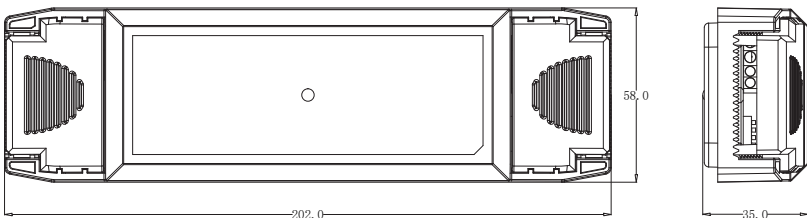
KL40V-PDiiV / KL40V-PDiiV1



KL90V-PDiiV1 / KL120V-PDiiV1

Product Spec

	KL90V-PDiiV1	KL120V-PDiiV1
Dimming interface	DALI, Push, 0-10V	DALI, Push, 0-10V
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	92% Max.	92% Max.
DALI standard	3750mA / 24Vdc / 90W Max.	5000mA / 24Vdc / 120W Max.
Certification	ICE 62386 102, 207	ICE 62386 102, 207
Output current/ voltage/power	CE	CE
Working temperature	-25°C~50°C	-25°C~40°C
IP degree	IP20	IP20
Dimension	220*58*40mm	220*58*40mm



KL90V-PDiiV1 / KL120V-PDiiV1

Constant Voltage DALI DT8 Dimming Driver

Features

- Constant Current and flicker free at any brightness
- Built in DALI DT8 interface, realizing DALI host control, stable performance, and no address code dropping
- Support secondary 0-10V dimming function
- Support basic PUSH dimming function, PUSH dimming has state memory function
- Support 10V PWM dimming (3KHz-8KHz)
- Output short circuit/overload/over temperature/over-voltage protection, reducing output current after over temperature to ensure safe operation of LED
- 5-year warranty



KL40VC-PDiV / KL40VC-PDiV1

Active Power Factor Correction

DALI Dimming

PUSH Dimming

1-10V Dimming

Output Current Selection Function

Dimming Memory Function

Logarithmic Dimming

Linear Dimming

Short Circuit Protection

Over Temperature Protection

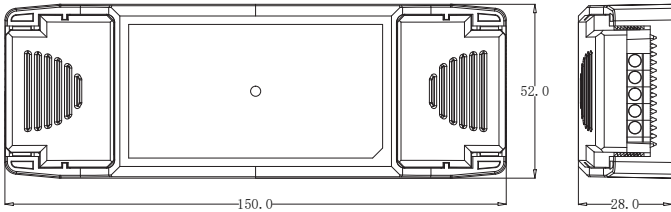
Overload Protection

Open Protect

Constant Voltage

Product Spec

	KL40VC-PDiV	KL40VC-PDiV1
Dimming interface	DALI, Push, 0-10V	DALI, Push, 0-10V
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	87% Max.	89% Max.
DALI standard	3330mA / 12Vdc / 40W Max.	1670mA / 24Vdc / 40W Max.
Certification	ICE 62386 102, 209	ICE 62386 102, 209
Output current/voltage/power	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	150*52*28mm	150*52*28mm



KL40VC-PDiV / KL40VC-PDiV1

DALI Dimming Driver

IOT Dimming Driver

Mainstream Wireless Control System

Merrytek IOT dimming drivers, connected to mainstream wireless intelligent lighting control systems such as Casambi, Tuya ZigBee, Tuya Bluetooth, etc., easily realizes lighting adjustment, group setting, scene setting, and remote management, improving the accuracy of space management and scene lighting experience.

Flicker Free Dimming

Adopting PWM+PFM flicker free dimming technology, it achieves completely flicker free smooth dimming within the range of 2% -100% dimming, balancing efficient lighting management and visual comfort experience.

Design of Separated IOT Module

Adopting an IOT module with adjustable structure, the antenna angle can be adjusted within the range of 0°- 90°, and the wireless transmission distance can be flexibly changed to adapt to various application environments.



Casambi Dimming Driver

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Support the Casambi ecosystem, quickly integrate with Casambi ecosystem intelligent devices, and achieve control over single light, groups, scenes, etc
- Output short circuit/overload/over temperature/over-voltage protection
- 30m stable wireless transmission
- Support DIP switch to adjust output current
- 5-year warranty



KL20C-B1

KL30C-B1

Active Power Factor Correction

Output Current Selection Function

Dimming Memory Function

Linear Dimming

Short Circuit Protection

Over Temperature Protection

Open Protect

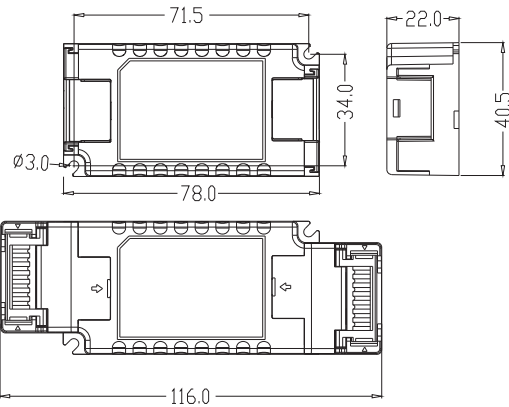
Constant Current

Casambi

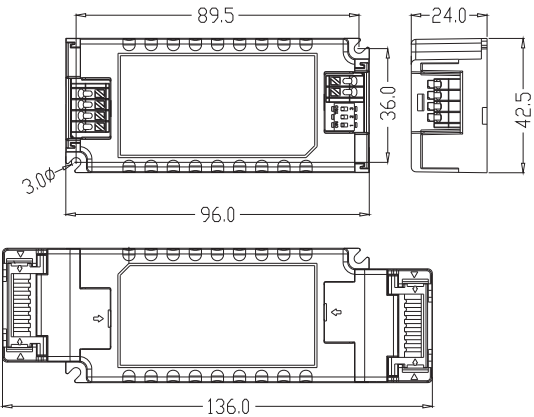
Overload Protection

Product Spec

	KL20C-B1	KL30C-B1
Dimming interface	Casambi	Casambi
Dimming range	1-100%	1-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.9C	0.95
Working efficiency	83% Max.	87% Max.
Output current/ voltage/power	200mA/9-45Vdc/9W Max.	700mA/9-40Vdc/28W Max.
	250mA/9-45Vdc/11.2W Max.	750mA/9-40Vdc/30W Max.
	300mA/9-45Vdc/13.5W Max.	800mA/9-37Vdc/29.6W Max.
	350mA/9-45Vdc/15.7W Max.	850mA/9-35Vdc/29.7W Max.
	400mA/9-45Vdc/18W Max.	900mA/9-33Vdc/29.7W Max.
	450mA/9-45Vdc/20.2W Max.	950mA/9-31Vdc/29.4W Max.
	500mA/9-40Vdc/20W Max.	1000mA/9-30Vdc/30W Max.
	550mA/9-36Vdc/19.8W Max.	1050mA/9-28Vdc/29.4W Max.
Certification	CE, RED, ENEC, UKCA	CE, RED, ENEC, UKCA
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	Without crimping: 78*40.5*22mm	Without crimping: 96*42.5*24mm
	With crimping: 116*40.5*22mm	With crimping: 136*42.5*24mm



KL20C-B1



KL30C-B1

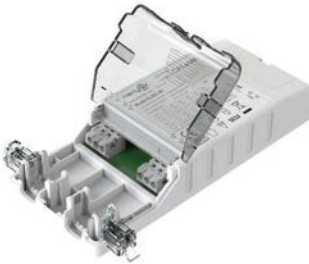
Casambi Dimming Driver

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- Support the Casambi ecosystem, quickly integrate with Casambi ecosystem intelligent devices, and achieve control over single light, groups, scenes, etc
- Output short circuit/overload/over temperature/over-voltage protection
- 30m stable wireless transmission
- Support DIP switch to adjust output current
- 5-year warranty



KL36C-B1



KL50C-B1

Active Ppower Factor Correction

Output Current Selection Function

Dimming Memory Function

Linear Dimming

Short Circuit Protection

Over Temperature Protection

Open Protect

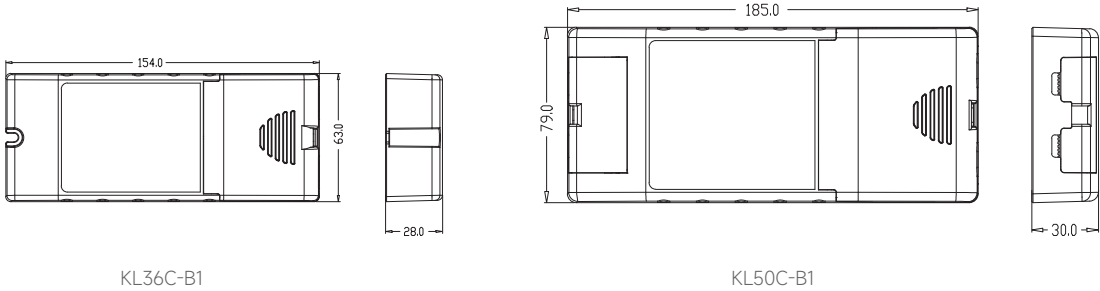
Constant Current

Casambi

Overload Protection

Product Spec

	KL36C-B1	KL50C-B1
Dimming interface	Casambi	Casambi
Dimming range	1-100%	1-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	87% Max.	88% Max.
Output current/ voltage/power	500mA / 12-46Vdc / 23.0W Max.	700mA / 12-53Vdc / 37.1W Max.
	550mA / 12-46Vdc / 25.3W Max.	800mA / 12-53Vdc / 42.4W Max.
	600mA / 12-46Vdc / 27.6W Max.	850mA / 12-53Vdc / 45W Max.
	650mA / 12-46Vdc / 29.9W Max.	900mA / 12-53Vdc / 47.7W Max.
	700mA / 12-46Vdc / 32.2W Max.	950mA / 12-53Vdc / 50W Max.
	750mA / 12-46Vdc / 34.5W Max.	1000mA / 12-50Vdc / 50W Max.
	800mA / 12-46Vdc / 36.8W Max.	1050mA / 12-48Vdc / 50W Max.
	850mA / 12-42Vdc / 35.7W Max.	1100mA / 12-45Vdc / 49.5W Max.
	900mA / 12-40Vdc / 36W Max.	1150mA / 12-43Vdc / 49.5W Max.
	950mA / 12-38Vdc / 36.1W Max.	1200mA / 12-42Vdc / 50W Max.
	1000mA / 12-36Vdc / 36W Max.	1250mA / 12-40Vdc / 50W Max.
	1050mA / 12-34Vdc / 35.7W Max.	1300mA / 12-38Vdc / 49.4W Max.
		1400mA / 12-36Vdc / 50.4W Max.
Certification	CE, RED, ENEC, UKCA	CE, RED, ENEC, UKCA
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	154*63*28mm	185*79*30mm



Tuya Zigbee Dimming Driver

Features



- The product is a constant current output LED dimming driver with full range dimming without flicker
- Support Tuya ecosystem, quickly connect with Tuya ecosystem intelligent devices, and achieve control of single lights, groups, scenes, etc
- 10m stable wireless transmission
- Support decoding to adjust output current
- 5-year warranty



KL10C-Zi



KL20C-Zi



KL30C-Zi



Active Power Factor Correction



Output Current Selection Function



Dimming Memory Function



Linear Dimming



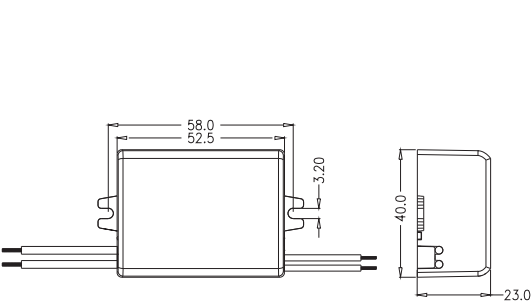
Constant Current



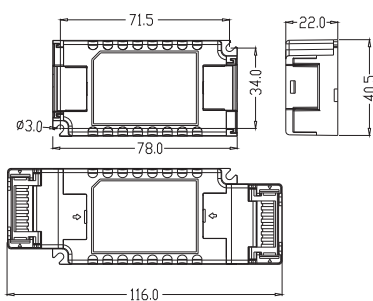
Tuya Zigbee

Product Spec

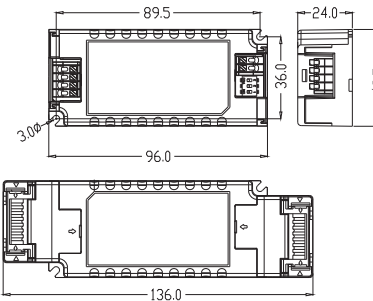
	KL10C-Zi	KL20C-Zi	KL30C-Zi
Dimming interface	Tuya Zigbee	Tuya Zigbee	Tuya Zigbee
Dimming range	1-100%	1-100%	1-100%
Input voltage	220-240Vac	220-240Vac	220-240Vac
Output protection	SELV	SELV	SELV
Power factor	0.9C	0.9C	0.95
Working efficiency	81% Max.	83% Max.	87% Max.
Output current/ voltage/power	150mA / 9-40Vdc / 6.0W Max.	200mA / 9-45Vdc / 9W Max.	700mA / 9-40Vdc / 28.0W Max.
	200mA / 9-40Vdc / 8.0W Max.	250mA / 9-45Vdc / 11.2W Max.	750mA / 9-40Vdc / 30.0W Max.
	250mA / 9-40Vdc / 10.0W Max.	300mA / 9-45Vdc / 13.5W Max.	800mA / 9-37Vdc / 29.6W Max.
	300mA / 9-33Vdc / 9.9W Max.	350mA / 9-45Vdc / 15.7W Max.	850mA / 9-35Vdc / 29.7W Max.
	350mA / 9-29Vdc / 10.2W Max.	400mA / 9-45Vdc / 18.0W Max.	900mA / 9-33Vdc / 29.7W Max.
		450mA / 9-45Vdc / 20.2W Max.	950mA / 9-31Vdc / 29.4W Max.
		500mA / 9-40Vdc / 20.0W Max.	1000mA / 9-30Vdc / 30.0W Max.
		550mA / 9-36Vdc / 19.8W Max.	1050mA / 9-28Vdc / 29.4W Max.
Certification	CE	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20	IP20
Dimension	64.5*40*23mm	Without crimping: 78*40.5*22mm	Without crimping: 96*42.5*24mm
		With crimping: 116*40.5*22mm	With crimping: 136*42.5*24mm



KL10C-Zi



KL20C-Zi



KL30C-Zi

Tuya Zigbee Dimming Driver

Features

- Slow on- off function and flicker free at any brightness
- Tuya Zigbee3.0, quickly connect Tuya ecological intelligent devices to achieve remote control of single light, groups, scenes, etc
- Single color temperature dimming driver, adopting bipolar circuit design, with the advantage of smooth dimming curve
- 35m stable wireless transmission
- Separated IOT module design, adjustable antenna angle, suitable for various application environments
- Adjust output current via DIP switch
- 5-year warranty



ML20C-Zi

ML46C-Zi

Active Power Factor Correction

Output Current Selection Function

Dimming Memory Function

Linear Dimming

Short Circuit Protection

Over Temperature Protection

Open Protect

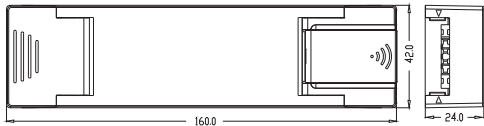
Constant Current

Tuya Zigbee

Overload Protection

Product Spec

	ML20C-Zi	ML46C-Zi
Dimming interface	Tuya Zigbee	Tuya Zigbee
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	84% Max.	88% Max.
Output current/ voltage/power	300mA / 9-42Vdc / 12.6W Max.	600mA / 9-53Vdc / 31.8W Max.
	350mA / 9-42Vdc / 14.7W Max.	650mA / 9-53Vdc / 34.4W Max.
	400mA / 9-42Vdc / 16.8W Max.	700mA / 9-53Vdc / 37.1W Max.
	450mA / 9-42Vdc / 18.9W Max.	750mA / 9-53Vdc / 39.8W Max.
	500mA / 9-40Vdc / 20W Max.	800mA / 9-53Vdc / 42.4W Max.
	550mA / 9-36Vdc / 20W Max.	850mA / 9-53Vdc / 45W Max.
	600mA / 9-32Vdc / 20W Max.	900mA / 9-50Vdc / 45W Max.
	650mA / 9-30Vdc / 20W Max.	950mA / 9-48Vdc / 45.6W Max.
	700mA / 9-28Vdc / 20W Max.	1000mA / 9-46Vdc / 46W Max.
		1050mA / 9-44Vdc / 46.2W Max.
Certification	CE	CE
Working temperature	-25°C~45°C	-25°C~45°C
IP degree	IP20	IP20
Dimension	160*42*24mm	180*42*24mm



ML20C-Zi



ML46C-Zi

Tuya Bluetooth Dimming Driver

Features

- Slow on- off function and flicker free at any brightness
- Tuya Bluetooth, quickly connect Tuya ecological intelligent devices to achieve remote control of single light, groups, scenes, etc
- Single color temperature dimming driver, adopting bipolar circuit design, with the advantage of smooth dimming curve
- 35m stable wireless transmission
- Separated IOT module design, adjustable antenna angle, suitable for various application environments
- Adjust output current via DIP switch
- 5-year warranty



ML20C-B

ML46C-B

Active Power Factor Correction

Output Current Selection Function

Dimming Memory Function

Linear Dimming

Short Circuit Protection

Over Temperature Protection

Open Protect

Constant Current

Bluetooth

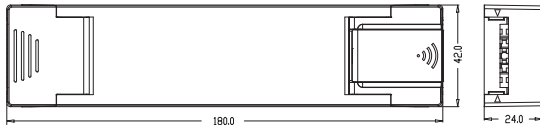
Overload Protection

Product Spec

	ML20C-B	ML46C-B
Dimming interface	Tuya Bluetooth	Tuya Bluetooth
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	84% Max.	88% Max.
Output current/ voltage/power	300mA / 9-42Vdc / 12.6W Max.	600mA / 9-53Vdc / 31.8W Max.
	350mA / 9-42Vdc / 14.7W Max.	650mA / 9-53Vdc / 34.4W Max.
	400mA / 9-42Vdc / 16.8W Max.	700mA / 9-53Vdc / 37.1W Max.
	450mA / 9-42Vdc / 18.9W Max.	750mA / 9-53Vdc / 39.8W Max.
	500mA / 9-40Vdc / 20W Max.	800mA / 9-53Vdc / 42.4W Max.
	550mA / 9-36Vdc / 20W Max.	850mA / 9-53Vdc / 45W Max.
	600mA / 9-32Vdc / 20WMax.	900mA / 9-50Vdc / 45W Max.
	650mA / 9-30Vdc / 20W Max.	950mA / 9-48Vdc / 45.6W Max.
	700mA / 9-28Vdc / 20W Max.	1000mA / 9-46Vdc / 46W Max.
		1050mA / 9-44Vdc / 46.2W Max.
Certification	CE	CE
Working temperature	-25°C~45°C	-25°C~45°C
IP degree	IP20	IP20
Dimension	160*42*24mm	180*42*24mm



ML20C-B



ML46C-B

Tuya Zigbee Dimming and Tunable White Driver

Features

- Slow on- off function and flicker free at any brightness
- Tuya Zigbee3.0, quickly connect Tuya ecological intelligent devices to achieve remote control of single light, groups, scenes, etc
- Dual color temperature dimming driver, using bipolar circuit design, with the advantage of smooth dimming curve
- 35m stable wireless transmission
- Separated IOT module design, adjustable antenna angle, suitable for various application environments
- Adjust output current via DIP switch
- 5-year warranty



ML20CC-Zi

ML46CC-Zi

Active Power Factor Correction

Output Current Selection Function

Dimming Memory Function

Linear Dimming

Short Circuit Protection

Over Temperature Protection

Open Protect

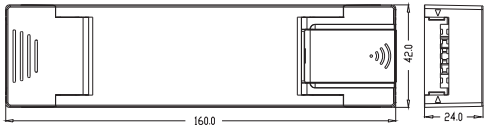
Constant Current

Tuya Zigbee

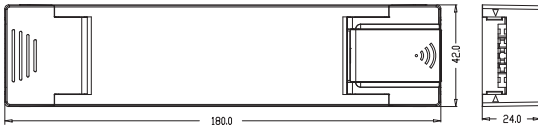
Overload Protection

Product Spec

	ML20CC-Zi	ML46CC-Zi
Dimming interface	Tuya Zigbee	Tuya Zigbee
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	84% Max.	88% Max.
Output current/ voltage/power	250mA / 9-50Vdc / 12.5W Max.	700mA / 9-53Vdc / 37.1W Max.
	300mA / 9-50Vdc / 15W Max.	750mA / 9-53Vdc / 39.8W Max.
	350mA / 9-50Vdc / 17.5W Max.	800mA / 9-53Vdc / 42.4W Max.
	400mA / 9-50Vdc / 20W Max.	850mA / 9-53Vdc / 45W Max.
		900mA / 9-50Vdc / 45W Max.
		950mA / 9-48Vdc / 45.6W Max.
		1000mA / 9-46Vdc / 46W Max.
		1050mA / 9-44Vdc / 46.2W Max.
Certification	CE	CE
Working temperature	-25°C~45°C	-25°C~45°C
IP degree	IP20	IP20
Dimension	160*42*24mm	180*42*24mm



ML20CC-Zi



ML46CC-Zi

Tuya Bluetooth Dimming and Tunable White Driver

Features

- Slow on- off function and flicker free at any brightness
- Tuya Zigbee3.0, quickly connect Tuya ecological intelligent devices to achieve remote control of single light, groups, scenes, etc
- Dual color temperature dimming driver, using bipolar circuit design, with the advantage of smooth dimming curve
- 35m stable wireless transmission
- Separated IOT module design, adjustable antenna angle, suitable for various application environments
- Adjust output current via DIP switch
- 5-year warranty



ML20CC-B

ML46CC-B

Active Power Factor Correction

Output Current Selection Function

Dimming Memory Function

Linear Dimming

Short Circuit Protection

Over Temperature Protection

Open Protect

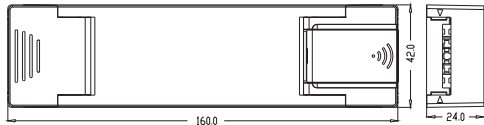
Constant Current

Bluetooth

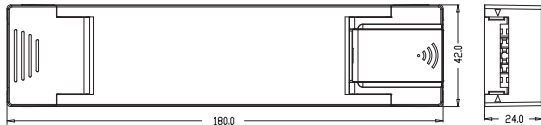
Overload Protection

Product Spec

	ML20CC-B	ML46CC-B
Dimming interface	Tuya Bluetooth	Tuya Bluetooth
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.95	0.95
Working efficiency	84% Max.	88% Max.
Output current/ voltage/power	250mA / 9-50Vdc / 12.5W Max.	700mA / 9-53Vdc / 37.1W Max.
	300mA / 9-50Vdc / 15W Max.	750mA / 9-53Vdc / 39.8W Max.
	350mA / 9-50Vdc / 17.5W Max.	800mA / 9-53Vdc / 42.4W Max.
	400mA / 9-50Vdc / 20W Max.	850mA / 9-53Vdc / 45W Max.
		900mA / 9-50Vdc / 45W Max.
		950mA / 9-48Vdc / 45.6W Max.
		1000mA / 9-46Vdc / 46W Max.
		1050mA / 9-44Vdc / 46.2W Max.
Certification	CE	CE
Working temperature	-25°C~45°C	-25°C~45°C
IP degree	IP20	IP20
Dimension	160*42*24mm	180*42*24mm



ML20CC-B



ML46CC-B

0/1-10V Dimming

Flicker Free Dimming

Adopting PWM+PFM flicker free dimming technology, achieving completely flicker free smooth dimming within the range of 2% -100% dimming, balancing efficient light management and Visual Comfort Experience.

Low Power Standby

Merrytek dimming drivers can comply with the new ERP with standby power less than 0.5w.

Dimming Memory Function

The product is equipped with an MCU, which stores and retains dimming parameters and status in real time. After the power is off and on again, it will enter the fast setting the power is off which can enhance the user experience.



0/1-10V Dimming Driver

Features

- The product is a constant current output LED dimming driver with full range dimming without flicker
- The product has a secondary 0-10V dimming function, which is safe and reliable
- Supports 10V PWM dimming (3KHz-8KHz)
- Primary Push dimming with memory function
- Output short circuit/overload/over temperature/over-voltage protection
- 5-year warranty



KL12C-PV



KL25C-PV3



KL35C-PV



KL50C-PV5



KL50C2-PV

Active Power Factor Correction

PUSH Dimming

0-10V Dimming

Output Current Selection Function

Dimming Memory Function

Linear Dimming

Over Temperature Protection

Overload Protection

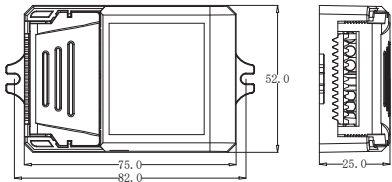
Open Protect

Constant Current

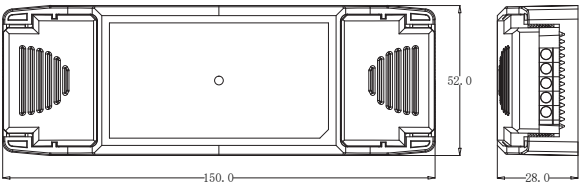
Short Circuit Protection

Product Spec

	KL12C-PV	KL25C-PV3
Dimming interface	Push, 0-10V	Push, 0-10V
Dimming range	2-100%	2-100%
Input voltage	220-240Vac	220-240Vac
Output protection	SELV	SELV
Power factor	0.92C	0.95
Working efficiency	83% Max.	86% Max.
Output current/ voltage/power	350mA / 9-34Vdc / 11.9W Max. 500mA / 9-24Vdc / 12W Max. 700mA / 9-17Vdc / 11.9W Max.	250mA / 9-60Vdc / 15W Max. 350mA / 9-60Vdc / 21W Max. 400mA / 9-60Vdc / 24W Max. 450mA / 9-56Vdc / 25.2W Max. 500mA / 9-50Vdc / 25W Max. 550mA / 9-45Vdc / 24.7W Max. 600mA / 9-41Vdc / 24.6W Max. 700mA / 9-36Vdc / 25.2W Max.
Certification	CE	CE
Working temperature	-25°C~50°C	-25°C~50°C
IP degree	IP20	IP20
Dimension	88*52*25mm	150*52*28mm



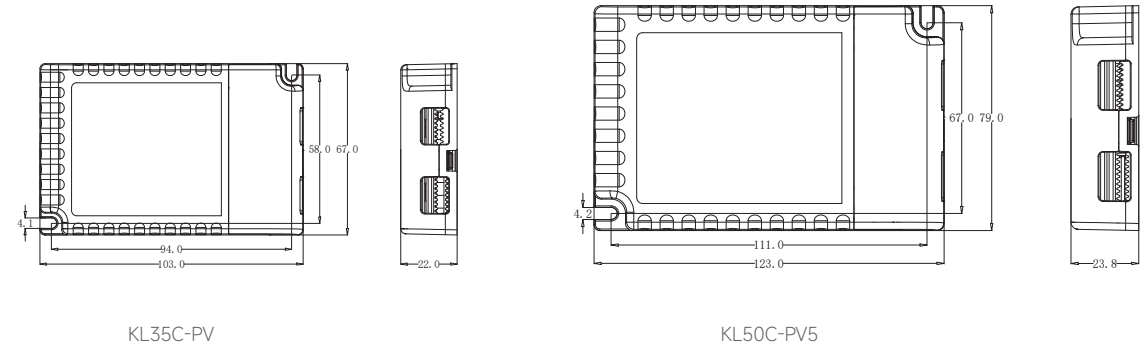
KL12C-PV



KL25C-PV3

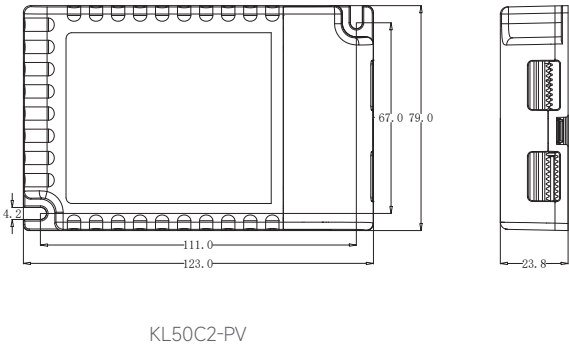
Product Spec

KL35C-PV		KL50C-PV5	
Dimming interface	Push, 0-10V	Push, 0-10V	
Dimming range	2-100%	2-100%	
Input voltage	220-240Vac	220-240Vac	
Output protection	SELV	SELV	
Power factor	0.9C	0.95	
Working efficiency	88% Max.	89% Max.	
Output current/ voltage/power	250mA / 6-60Vdc / 15W Max. 350mA / 6-60Vdc / 21W Max. 450mA / 6-60Vdc / 27W Max. 500mA / 6-60Vdc / 30W Max. 550mA / 6-60Vdc / 33W Max. 600mA / 6-58Vdc / 34.8W Max. 700mA / 6-50Vdc / 35W Max. 800mA / 6-44Vdc / 35.2W Max.	500mA / 6-60vdc / 30W Max. 600mA / 6-60Vdc / 36W Max. 650mA / 6-60Vdc / 39W Max. 700mA / 6-60Vdc / 42W Max. 750mA / 6-60Vdc / 45W Max. 800mA / 6-60vdc / 48W Max. 850mA / 6-58Vdc / 49.3W Max. 900mA / 6-55Vdc / 49.5W Max. 950mA / 6-52Vdc / 49.4W Max. 1000mA / 6-50Vdc / 50W Max. 1050mA / 6-47Vdc / 49.3W Max. 1100mA / 6-45Vdc / 49.5W Max. 1200mA / 6-41Vdc / 49.2W Max.	
Certification	CE	CE	
Working temperature	-25°C~50°C	-25°C~50°C	
IP degree	IP20	IP20	
Dimension	103*67*22mm	123*79*23.8mm	



Product Spec

KL50C2-PV	
Dimming interface	Push, 0-10V
Dimming range	2-100%
Input voltage	220-240Vac
Output protection	SELV
Power factor	0.9C
Working efficiency	89% Max.
Output current/ voltage/power	350mA / 9-50Vdc / 18W Max. 9-50Vdc / 18W Max. 500mA / 9-50Vdc / 25W Max. 9-52Vdc / 26W Max. 550mA / 9-45Vdc / 25W Max. 9-52Vdc / 29W Max. 700mA / 9-36Vdc / 25W Max. 9-50Vdc / 35W Max. 750mA / 9-33Vdc / 25W Max. 9-48Vdc / 36W Max. 900mA / 9-28Vdc / 25W Max. 9-40Vdc / 36W Max.
Certification	CE
Working temperature	-25°C~50°C
IP degree	IP20
Dimension	123*79*23.8mm



0/1-10V Dimming Driver

Emergency Pack

BMS Battery Management

monitoring of the entire process of battery charging and discharging. Proactively intervene and promptly correct abnormal behaviors such as overcharging, overdischarging, or short-term multiple discharges during the charging and discharging process to reduce the memory effect of batteries and extend their lifespan.

Automatic Testing

The built-in MCU automatically performs weekly/annual testing on the emergency driver and monitors any abnormal states during the testing process. Accurately record the battery duration during annual testing record the entire running time of the driver.

Multiple Security Protections

Emergency driver has multiple safety protections such as short circuit protection, open circuit protection, overload protection, and deep discharge protection.



Emergency Pack with Built-in Battery

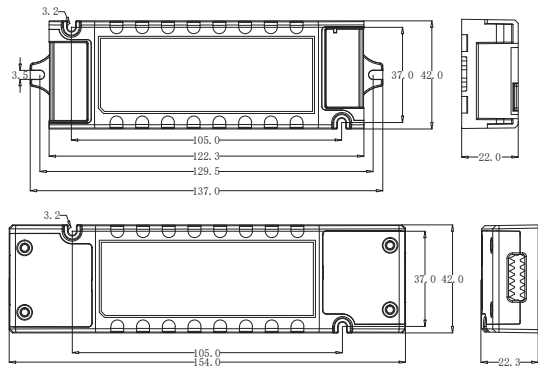
Features

- Programmed battery management, extending battery life, and constantly monitoring battery status
- Accurately record the duration of the battery and monitor any abnormal states during the testing process
- Battery safety compartment design, including easy to maintain, structural battery protection compartment
- Adopting high-performance and high reliability battery cells in segmented fields, with built-in PTC and extremely low battery leakage current

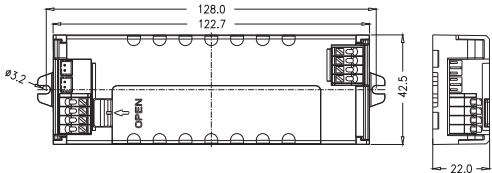
Product Spec

CE UN38.3

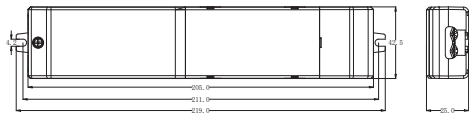
	KE002-KB Series	KE022-HB Series	KE022-KB Series
Input voltage	220-240Vac	220-240Vac	220-240Vac
Battery	Ternary lithium battery	Lithium iron phosphate battery	Ternary lithium battery
Output current/ voltage/power	50-15mA / 20-60Vdc / 1W Max. 100-30mA / 20-60Vdc / 2W Max. 150-50mA / 20-60Vdc / 3W Max.	100-15mA / 10-60Vdc / 1W Max. 20-5mA / 50-180Vdc / 1W Max.	100-30mA / 20-60Vdc / 2W Max. 125-40mA / 20-60Vdc / 2.5W Max.
Emergency time	3hours	3hours	3hours
Certification	CE, UN38.3	CE, UN38.3	CE, UN38.3
Working temperature	0°C~50°C	0°C~50°C	0°C~50°C
IP degree	IP20	IP20	IP20
Dimension	137*42*22mm	134.7*42.5*22mm	134.7*42.5*22mm



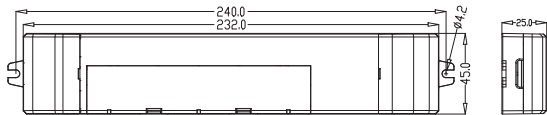
KE002-KB Series



KE022-HB Series / KE022-KB Series



KE026-HB Series



KE036-HB Series



KE002-KB Series



KE022-HB Series / KE022-KB Series



KE026-HB Series



KE036-HB Series

Product Spec

	KE026-HB Series	KE036-HB Series
Input voltage	220-240Vac	220-240Vac
Battery	Lithium iron phosphate battery	Lithium iron phosphate battery
Output current/ voltage/power	100-30mA / 20-60Vdc / 2W Max. 40-11mA / 50-180Vdc / 2W Max. 125-41mA / 20-60Vdc / 2.5W Max. 50-13mA / 50-180Vdc / 2.5W Max.	200-30mA / 10-60Vdc / 2W Max. 40-9mA / 50-220Vdc / 2W Max. 250-40mA / 10-60Vdc / 2.5W Max.
Emergency time	3hours	3hours
Certification	CE, UN38.3	CE, UN38.3
Working temperature	0°C~50°C	0°C~50°C
IP degree	IP20	IP20
Dimension	221*42.5*25mm	232*45*25mm

Battery built-in emergency driver

Emergency Pack with External Battery

Features

- Programmed battery management, extending battery life, and constantly monitoring battery status
- Accurately record the duration of the battery and monitor any abnormal states during the testing process
- Adopting high-performance and high reliability battery cells in segmented fields, with built-in PTC and extremely low battery leakage current

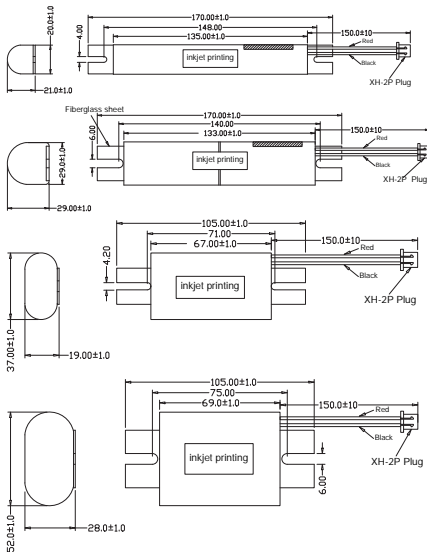
Product Spec



KE023-HE Series		KE024-HE Series
Input voltage	220-240Vac	220-240Vac
Battery	Lithium iron phosphate battery	Lithium iron phosphate battery
Output current/ voltage/power	100-30mA / 20-60Vdc / 2W Max.	100-30mA / 20-60Vdc / 2W Max.
	125-41mA / 20-60Vdc / 2.5W Max.	125-41mA / 20-60Vdc / 2.5W Max.
	200-65mA / 20-60Vdc / 4W Max.	200-65mA / 20-60Vdc / 4W Max.
	250-80mA / 20-60Vdc / 5W Max.	250-80mA / 20-60Vdc / 5W Max.
Emergency time	3hours	3hours
Certification	CE, UN38.3	CE, UN38.3
Working temperature	0°C-50°C	0°C-50°C
IP degree	IP20	IP20
Dimension	146*30*22mm	146*30*22mm



KE023-HE Series / KE024-HE Series



KE023-HE Series / KE024-HE Series Battery Dimension



KE023-HE Series / KE024-HE Series



KE027-HE Series



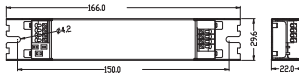
KE028-HE Series

Product Spec

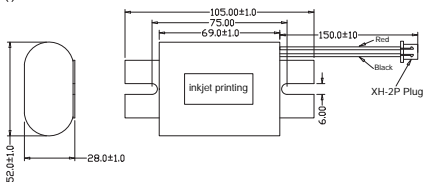
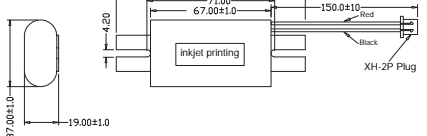
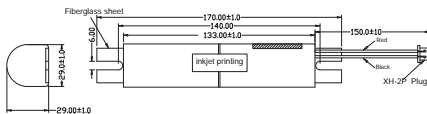
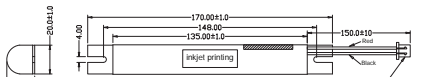
KE027-HE Series		KE028-HE Series
Input voltage	220-240Vac	220-240Vac
Battery	Lithium iron phosphate battery	Lithium iron phosphate battery
Output current/ voltage/power	25-10mA / 80-200Vdc / 2W Max.	25-10mA / 80-200Vdc / 2W Max.
	31-12mA / 80-200Vdc / 2.5W Max.	31-12mA / 80-200Vdc / 2.5W Max.
	50-20mA / 80-200Vdc / 4W Max.	50-20mA / 80-200Vdc / 4W Max.
	65-25mA / 80-200Vdc / 5W Max.	65-25mA / 80-200Vdc/ 5W Max.
Emergency time	3hours	3hours
Certification	CE, UN38.3	CE, UN38.3
Working temperature	0°C~50°C	0°C~50°C
IP degree	IP20	IP20
Dimension	146*30*22mm	166*29.6*22mm



KE027-HE Series













KE028-HE Series




KE027-HE Series / KE028-HE Series Battery Dimension

Appendix

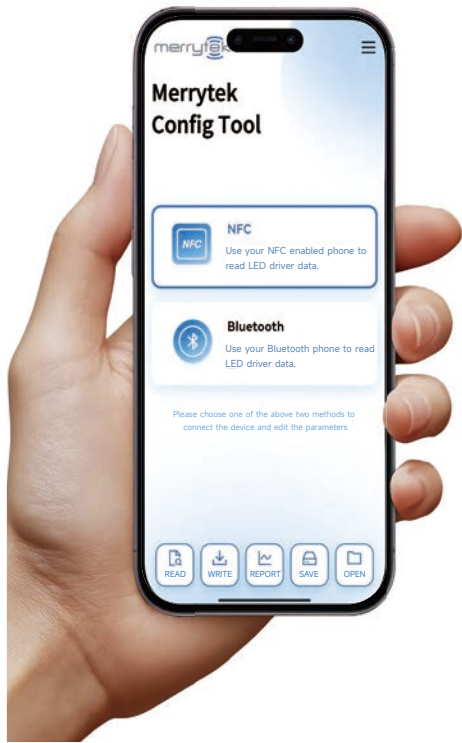
Product Features

 Active Power Factor Correction	LED driver has active power factor correction function, with low input harmonic current and minimal interference to the power grid, which can improve the utilization efficiency of the driver.
 DALI Driver	The DALI LED driver comes with a DAL interface that meets the requirements of the DALI protocol, enabling soft adjustment of lighting and real-time transmission of brightness values and electrical status information. It can be controlled by mainstream DALI hosts in the market for dimming.
 PUSH Dimming	The LED driver can be dimmed using the PUSH switch.Short press the PUSH switch to turn on or off the driver, long press the PUSH switch to turn it on or off.The same PUSH switch can be connected in parallel to control multiple LED power supplies and synchronously switch dimming.
 1-10V Dimming	The LED driver can be dimmed with a 1-10V dimmer, and the output current of the LED driver is linearly adjustable with the 1-10V terminal voltage.
 Output Current Selection Function	Users can select different currents and adapt to the corresponding LED lights through the dip switch.
 Dimming Memory Function	The LED driver has PUSH dimming memory function. When the dimming reaches the desired brightness, the MCU inside the driver will store the adjusted brightness. When the power is turned on again, it will automatically restore the brightness before turning off the power.
 Logarithmic Dimming	DALI LED driver with logarithmic dimming function for soft adjustment of lighting.
 Linear Dimming	The output current of the LED driver can be linearly adjusted, with smooth dimming and easy operation.
 Emergency Driver	Emergency Driver Series Products.
 Short Circuit Protection	In case of a short circuit between the output of the emergency driver or the two poles of the battery, the circuit can be instantly cut off and an alarm can be triggered. After troubleshooting, it can resume operation.

 Over Temperature Protection	Abnormal overheating occurred.Can cut off the circuit and sound an alarm, and resume operation after troubleshooting.
 Overload Protection	When the emergency driver reaches overload power, limit the power protection and restore operation after troubleshooting
 Deep Discharge Protection	Disconnect the battery pack when it is over discharged to prevent excessive discharge.
 Automatic Testing	Conduct weekly/annual testing of emergency drivers in accordance with IEC62034 and monitor system operation status, and issue alerts for abnormal conditions.
 Battery Maintenance	Real time monitoring of battery operation status, reducing the memory effect of nickel chromium batteries, and improving the service life of nickel chromium batteries.
 Open Protect	Stop the flow of current in case of an exit situation to prevent damage to the LED, and resume operation after troubleshooting.
 Constant Power	The emergency driver provides constant protection for emergency power under different load voltages.
 Reset	After installation and debugging, it can be restored to the initial factory settings.
 NFC Modulation	NFC stands for Near Field Communication technology, and products with the NFC logo can be wirelessly configured through the Merrytek NFC APP and Merrytek Config Tool software.
 Constant Current	Maintain a constant output current in the circuit.
 Constant Voltage	Maintain a constant output voltage in the circuit.
 D4i	D4i is the abbreviation for DALI for Intra Luminaire, which stands for DALI in lighting fixtures.t is a targeted standard. D4i is an extension of DALI-2 certification, which adds support for data related functions on the basis of DALI-2.

APP Download

Merrytek NFC APP



SKU Shortage

Batch programming (batch programming tool) reduces inventory pressure

Simple and Fast

New generation NFC full instruction programming method

NFC Integrated DALI Command Editing Function

Editable DALI commands for quick debugging without a main controller

Fine Current Regulation, Precise Control of Output Current

Place the phone near the NFC sensing area of the device to obtain parameters, set the output current according to your needs, and write it to the device. Merrytek NFC can significantly change the output current to adapt to various work requirements, and can also achieve precise steps up to 1mA to meet the energy consumption needs of specific devices. Always ensure that the equipment operates in the optimal electric drive state, effectively extending the service life of the equipment and improving performance.

Can Independently Set CLO Light Attenuation Compensation

Can independently set CLO light attenuation compensation. The light output of LED lamps will naturally decrease with their service life, and Merrytek NFC can adjust the current output according to the changes in the lamp's luminous flux output by turning on, off, and adjusting the parameters of the device's CLO function. Ensure stable lighting output, extend the service life of lighting fixtures, and provide users with a better lighting experience.

Quickly Maintain and Replace Old Equipment

NFC recognizes the DALI parameter settings of old devices, allowing for quick returns and exchanges to new devices.

Installation Method 1



Download and install "Merrytek" by searching for it on the IOS App Store and Google Play

Installation Method 2



Scan the QR code to download Merrytek NFC APP

Download Path of Manual



Scan QR Code to download Merrytek NFC instructions

Casambi APP

Installation Method 1

Download and install "Casambi" by searching for it on the IOS App Store and Google Play

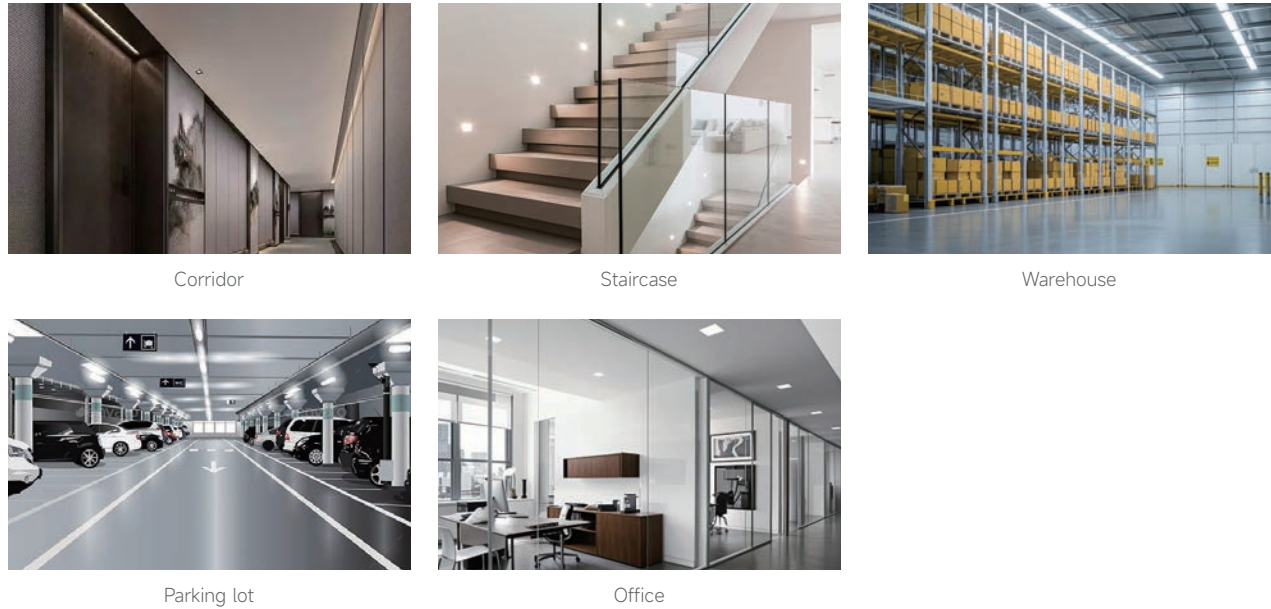
Installation Method 2

Scan the QR code to download Casambi APP

Download Path of Manual

Scan the QR code to download Casambi driver features and configuration instructions

Application Scenarios



Corridor

Staircase

Warehouse

Parking lot

Office