



Merrytek Public account  
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### Download Method

Installation Method 1

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

Installation Method 2

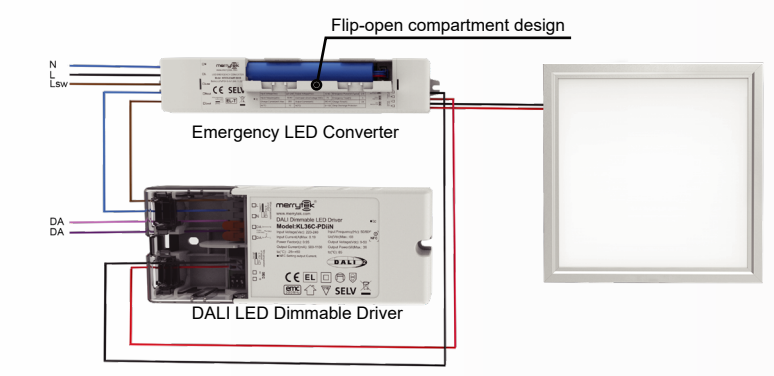
Scan the QR code to download Merrytek NFC APP

Instructions

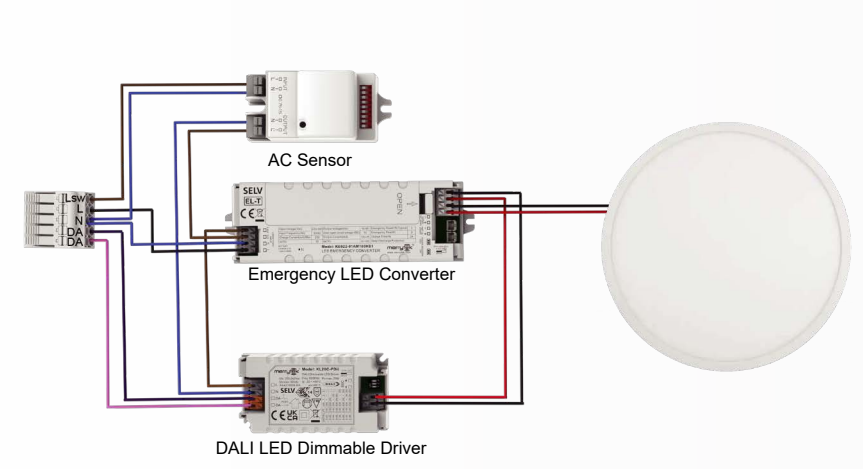
Scan QR Code to download Merrytek NFC instructions

### Emergency Pack

#### Emergency Operation With DALI2 LED Dimmable Driver



#### Emergency Operation With LED Driver (Switched via AC Sensor)

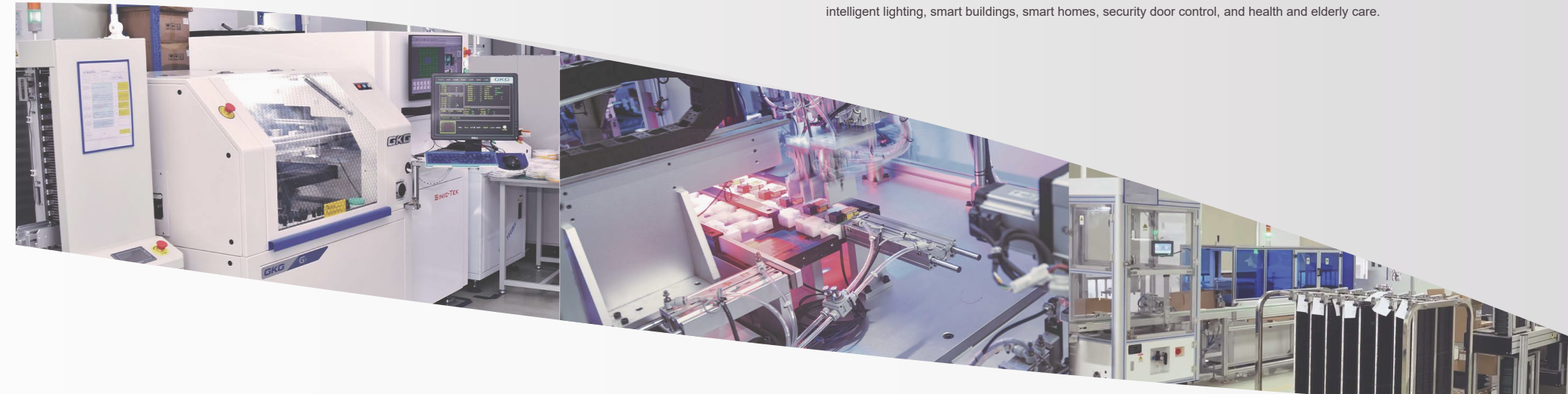


#### Emergency Pack with Exernal Battery

Model	KE023-HE Series	KE024-HE Series	KE027-HE Series
Working voltage	220-240Vac 50Hz/60Hz		
Emergency time	3h	3h	3h
Emergency power	2W, 2.5W, 4W, 5W 20-60Vdc	2W, 2.5W, 4W, 5W 20-60Vdc	2W, 2.5W, 4W, 5W 80-200Vdc
Battery	LiFePO4	LiFePO4	LiFePO4
Dimension (Converter)	146*30*22mm	146*30*22mm	146*30*22mm
Warranty	5 years	5 years	5 years

#### Emergency Pack with DALI Interface

Model	KE004-Dii HE Series	KE027-Dii HE Series
Working voltage	220-240Vac 50Hz/60Hz	
Emergency time	3h	3h
Emergency power	2W, 4W 20-60Vdc	2W, 4W 80-200Vdc
Battery	LiFePO4	LiFePO4
Dimension (Converter)	146*30*22mm	146*30*22mm
Warranty	5 years	5 years



### Company Profile

**Dedicated to innovation in intelligent lighting and sensing control for 18 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.

**2011**  
Established in Shenzhen

**60+**  
R&D Team

**800+**  
Authorized Patent

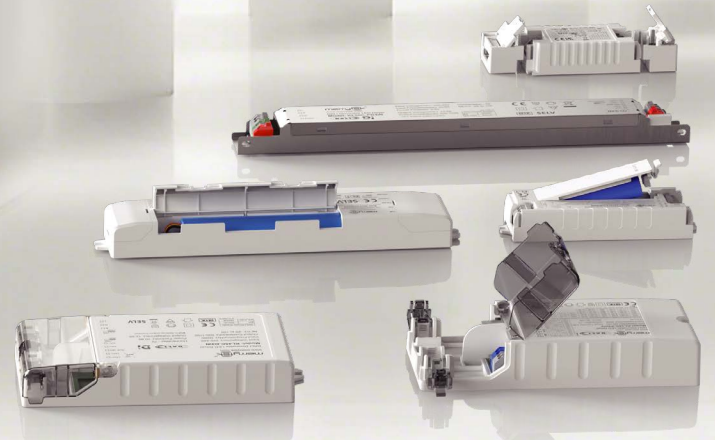
**1100+**  
Serve Customers

#### 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.

- INNOVATION  
INTEGRITY
- PROGRESS  
HONESTY
- EFFICIENCY  
COOPERATION

### LED Driver Product Series



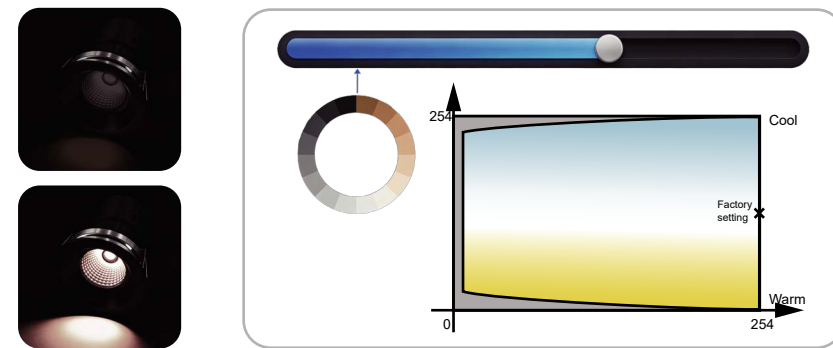
Scan the code to enter the English website



Scan the QR code to get the e-catalog.

## Deep Dimming (0.1%-100%)

Achieve 0.1%-100% deep dimming, flicker-free for the whole dimming range



- Very smooth dimming and color adjustment at low brightness.
- Wide dimming and color range.

## Product Parameters

Model	KL10C-PDiIN	KL12C-PDiIN	KL20C-PDiIN
Dimming Interface	DALI, Push	DALI, Push	DALI, Push
Input	220-240Vac, 50Hz/60Hz		
Output	150-350mA / 3-40Vdc 10W Max.	150-500mA / 3-40Vdc 12W Max.	100-550mA / 3-45Vdc 20W Max.
Power Factor	≥0.9C	≥0.9C	≥0.93
Efficiency	81%Max.	83%Max.	86%Max.
Dimension	64.5*40*23mm	88*52*25.5mm	Without crimping: 78*40.5*22mm With crimping: 116*40.5*22mm
Installation	Built-in installation	Independent installation	Independent installation & built-in installation

Model	KL35C-PDiIN	KL36C-PDiIN	KL50C-PDiIN
Dimming Interface	DALI, Push	DALI, Push	DALI, Push
Input	220-240Vac, 50Hz/60Hz		
Output	500-1050mA / 3-40Vdc 35W Max.	500-1100mA / 9-50Vdc 36W Max.	700-1400mA / 12-58Vdc 50W Max.
Power Factor	≥0.95	≥0.95	≥0.95
Efficiency	87%Max.	88%Max.	88%Max.
Dimension	Without crimping: 96*42.5*24mm With crimping: 136*42.5*24mm	154*63*28mm	185*79*30mm
Installation	Independent installation & built-in installation	Independent installation	Independent installation

## NFC Technology For Wireless Programming



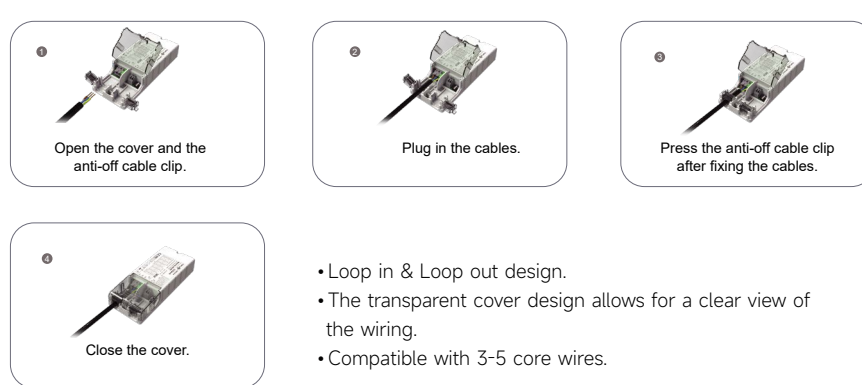
- Config DALI settings without the master.
- 1mA-step precision control of the output current.
- Quick maintenance and replacement of old equipment.

## Product Parameters

Model	KL12CC-PDiIN	KL36CC-PDiIN	KL36C-PDiIV
Dimming Interface	DALI DT8, Push	DALI DT8, Push	DALI, Push, 0-10V
Input	220-240Vac, 50Hz/60Hz		
Output	100-500mA / 12-42Vdc 12W Max.	500-1100mA / 9-50Vdc 36W Max.	500-1100mA / 9-58Vdc 36W Max.
Power Factor	≥0.9C	≥0.95	≥0.95
Efficiency	82%Max..	88%Max.	88% Max.
Dimension	130*35*21mm	154*63*28mm	154*63*28mm
Installation	Independent installation	Independent installation	Independent installation

Model	KL60C-PDiV2	KL30C-PDiI	KL45C-PDiI
Dimming Interface	DALI, Push, 0-10V	DALI, Push	DALI, Push
Input	220-240Vac, 50Hz/60Hz		
Output	700-1400mA / 9-53Vdc 60W Max.	150-300mA / 60-150Vdc 30W Max.	200-350mA / 65-150Vdc 45W Max.
Power Factor	≥0.95	≥0.95	≥0.95
Efficiency	88% Max.	91%Max.	92%Max.
Dimension	Independent installation: 160*79*26mm Built-in installation: 130*79*26mm	Without crimping: 78*40.5*24mm With crimping: 116*40.5*24mm	195*30*21mm
Installation	Independent installation & built-in installation	Independent installation & built-in installation	Built-in installation

## Quick Wiring in 4 Steps

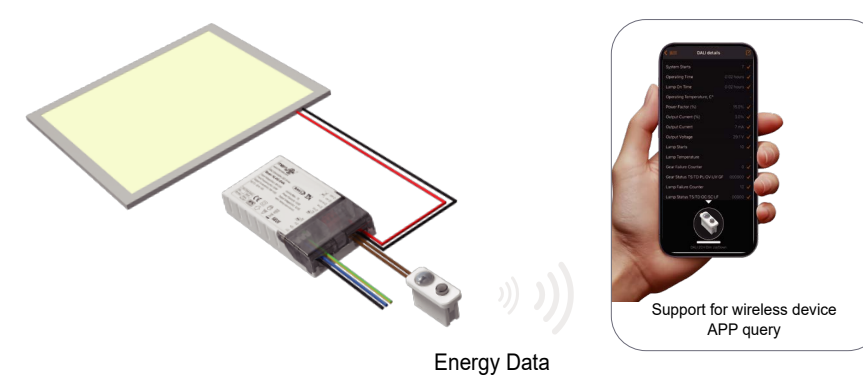


## Product Parameters

Model	KL30C-PDiIV4	KL70C-PDiV3	KL50C-PDiV5
Dimming Interface	DALI, Push, 0-10V	DALI, Push, 0-10V	DALI, Push, 0-10V
Input	220-240Vac, 50Hz/60Hz		
Output	300-900mA / 9-58Vdc 30W Max.	700-1400mA / 15-66Vdc 70W Max.	700-1400mA / 9-58Vdc 50W Max.
Power Factor	≥0.95	≥0.95	≥0.95
Efficiency	86%Max.	87%Max.	86%Max.
Dimension	103*67*22mm	284*30*20mm	123*79*23.8mm
Installation	Independent installation	Built-in installation	Independent installation

Model	KL26CC-PDiI	KL40CC-PDiI	KL50CC-PDiI
Dimming Interface	DALI DT8, Push	DALI DT8, Push	DALI DT8, Push
Input	220-240Vac, 50Hz/60Hz		
Output	300-600mA / 12-42Vdc 26W Max.	500-1050mA / 12-50Vdc 40W Max.	700-1200mA / 12-53Vdc 50W Max.
Power Factor	≥0.95	≥0.95	≥0.95
Efficiency	86%Max.	86%Max.	87%Max.
Dimension	Without crimping: 96*42.5*24mm With crimping: 136*42.5*24mm	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
Installation	Independent installation & built-in installation	Independent installation & built-in installation	Independent installation & built-in installation

## DALI D4i LED Dimmable Driver With External Device



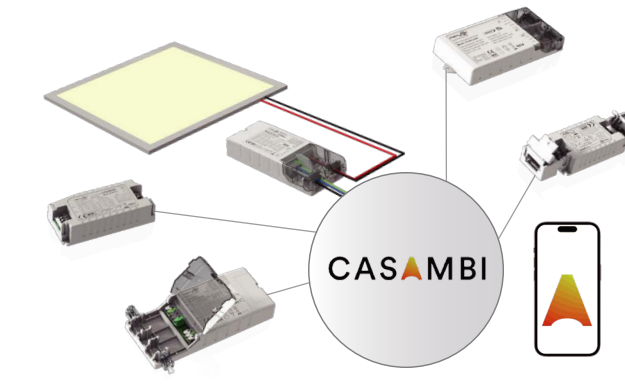
- Real-time monitoring of energy data.
- Wireless control achieved by pairing with the Merrytek wireless sensor.

## Product Parameters

Model	KL20C-D4iN	KL45C-D4iN	KL50C-PD4iN
Dimming Interface	DALI D4i	DALI D4i	DALI D4i, Push
Input	220-240Vac, 50Hz/60Hz		
Output	100-550mA / 9-40Vdc 20W Max.	500-1100mA / 12-55Vdc 45W Max.	500-1100mA / 12-58Vdc 50W Max.
Power Factor	≥0.9C	≥0.95	≥0.95
Efficiency	84%Max.	89%Max.	87%Max.
Dimension	Without crimping: 96*38*20.5mm With crimping: 146.3*38*20.5mm	Independent installation 160*79*26mm Built-in installation 130*79*26mm	284*30*20mm
Installation	Independent installation & built-in installation	Independent installation & built-in installation	Built-in installation

Model	KL36C-S	KL50C-S	KL60C-S
Dimming Interface	Silvair	Silvair	Silvair
Input	220-240Vac, 50Hz/60Hz		
Output	500-1100mA / 9-58Vdc 36W Max.	700-1400mA / 12-58Vdc 50W Max.	700-1400mA / 9-53Vdc 60W Max.
Power Factor	≥0.95	≥0.95	≥0.95
Efficiency	88% Max.	88%Max.	88% Max.
Dimension	154*63*28mm	185*79*30mm	Independent installation 160*79*26mm Built-in installation 130*79*26mm
Installation	Independent installation	Independent installation	Independent installation & built-in installation

## IOT LED Dimmable Driver



- Comply with Silvair, Casambi, Tuya smart lighting system.
- Feature quick-install series and mini series.

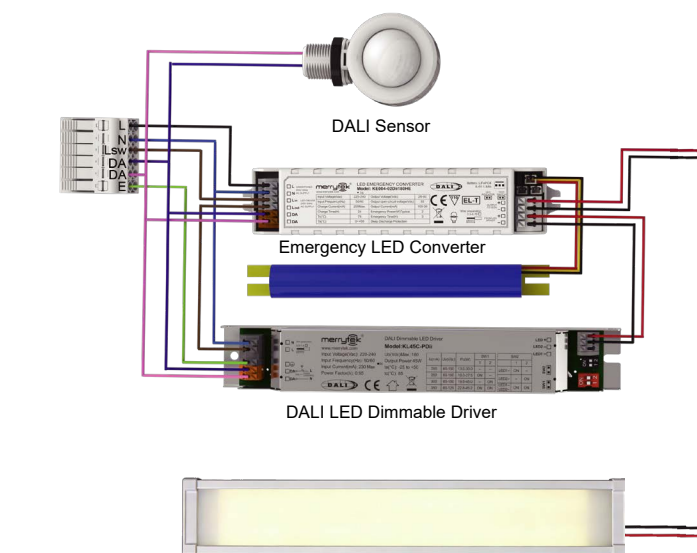
## Product Parameters

Model	KL20C-B1	KL36C-B1	KL30CC-B1
Dimming Interface	Casambi	Casambi	Casambi
Input	220-240Vac, 50Hz/60Hz		
Output	200-550mA / 9-45Vdc 20W Max.	500-1050mA / 9-46Vdc 36W Max.	300-600mA / 12-50Vdc 30W Max.
Power Factor	≥0.9C	≥0.95	≥0.95
Efficiency	83%Max.	87%Max.	86%Max.
Dimension	Without crimping 78*40.5*22mm With crimping: 116*40.5*22mm	154*63*28	Without crimping 96*42.5*24mm With crimping 136*42.5*24mm
Installation	Independent installation & built-in installation	Independent installation	Independent installation & built-in installation

Model	KL10C-Zi	KL20C-Zi	KL30C-Zi
Dimming Interface	Tuya Zigbee	Tuya Zigbee	Tuya Zigbee
Input	220-240Vac, 50Hz/60Hz		
Output	150-350mA / 9-40Vdc 10W Max.	200-550mA / 9-45Vdc 20W Max.	700-1050mA / 9-40Vdc 30W Max.
Power Factor	≥0.9C	≥0.93	≥0.93
Efficiency	83%Max.	83%Max.	83%Max.
Dimension	64.9*40.7*22.75mm	Without crimping: 78*40.5*22mm With crimping: 116*40.5*22mm	Without crimping: 96*42.5*24mm With crimping: 136*42.5*24mm
Installation	Built-in installation	Independent installation & built-in installation	Independent installation & built-in installation

## Emergency Pack

### Emergency Operation With DALI Interface



- Constant power output LED emergency driver, with DALI interface and self-test function or manual-test.
- Flip-open compartment design, simplified maintenance.
- Programmed battery management, extending battery life and monitoring battery status.

### Emergency Pack with Built-in Battery

Model	KE022-HB Series	KE026-HB Series	KE036-HB Series
Working voltage	220-240Vac 50Hz/60Hz		
Emergency time	3h	3h	3h
Emergency power	1W 10-60Vdc / 50-180Vdc	2W, 2.5W 20-60Vdc	2.5W / 2W 10-60Vdc / 50-220Vdc
Battery	LiFePO4		
Dimension	134.7*42.5*22mm	221*42.5*25mm	232*45*25mm
Warranty	5 years		