

#### 1. Product description

- Wireless dimmable and CCT tunable
- No need install control wire and other controllers
- Two channels output, common anode
- External constant current
- EMC Comply with EN55015 and EN300440
- CE certificated
- 3 years warranty
- Compatible with LEKOLED multifunction remote controllers,86 control panel, scene mode controller and constant illumination sensor



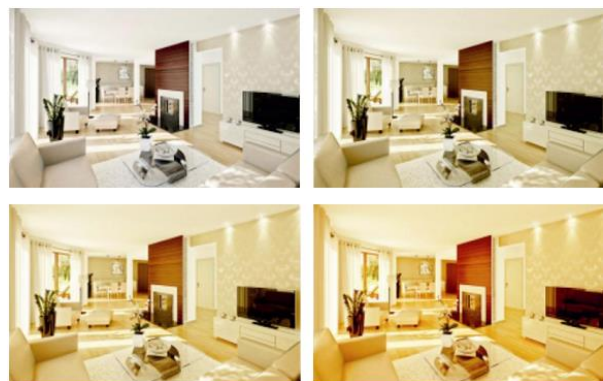
#### 2. Functions

- Wireless Dimming and CCT tuning by RF-2.4G Controllers
- Groups control: 100 groups individually (refer to page 04 for multifunction remote controller)
- Scene mode control (refer to page 04 for scene mode controller)
- short-circuit protection
- No-load protection
- Surge protection voltage 1KV

The functions of driver are realized by LEKOLED controllers, please refer to LEKOLED controllers datasheet for more details.

#### 3. Application

Residential lighting, office lighting, commercial lighting



For dimmable and tunable CCT application

## 4. Technical Data

### For Driver

Model No.	LKMC-IH40-42-A1-XXXX ①
Rated Input Voltage	220-240V
Max input Current	0.22A
Mains Frequency	50/60Hz
Output Voltage	30-42V DC
Output Current Range	700-950mA
Dimming Range	8%-100%
Efficiency	> 85%
Power Factor@full load	>0.95 ②
Power Factor@50% load	>0.9
THD@full load	<15% ③
THD@50% load	<20%
Ambient Temperature Ta	-20°C...+45°C
Life Span	20,000Hours
Storage Temperature Ts	-20°C...+80°C
Dimension	103x67x30.5mm

① XXXX represents the output current with unit mA, 50mA as per level. For example, LKMC-IH46-42-B1-1100 means the output is 1100mA. Please refer to page3 for more details about this series

② For the Power Factor in different statue of the drivers, please refer to the data on page4

③ For the THD in different statue of the drivers, please refer to the data on page4

### For RF-2.4G

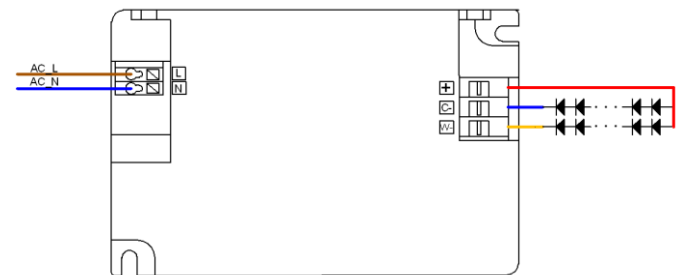
Controllable Distance	30Meters without Obstacle
Protocol	LKL RF-2.4G
Frequency Range	2402Mhz...2482Mhz
Modulation Type	GFSK
Antenna Type	Integral antenna
Antenna Quantity	1
Antenna Gain	0dBi
Operating Temperature	-20°C...+85°C

## 5. Standard

LVD	EN61347-2-13
EMI	EN55015
RED	EN300 440
RED	EN301489-1/ EN301489-3
EMS	IEC6100-3-2/IEC6100-3-3
EMS	IEC6100-4-2/ IEC6100-4-3/ IEC6100-4-4
EMS	IEC6100-4-5/ IEC6100-4-6/ IEC6100-4-8

## 6. Installation and Wiring

### 6.1 Wiring Diagram



- Two channels output, common anode, C- for cool white LED,W- for warm white LED
- Make all connection as short as possible to ensure good EMC behavior.
- Use 0.75-1.0mm<sup>2</sup> wire, strip length 3-5mm

### 6.2 Installation

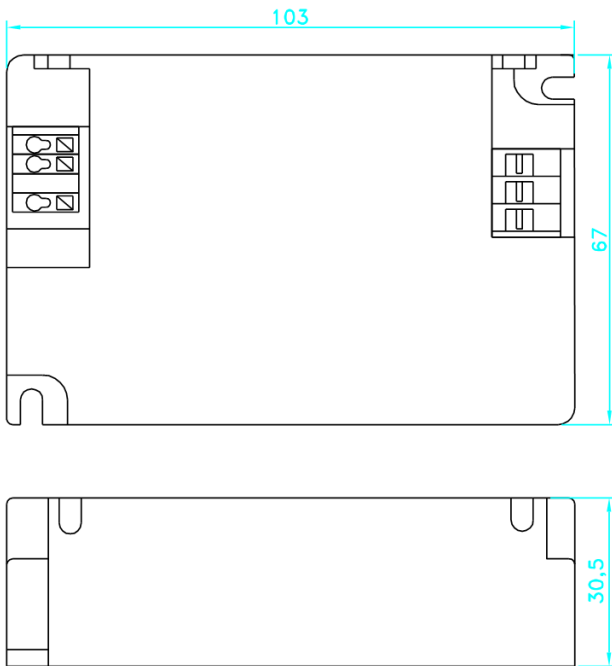
- Heat dissipation must be considered before installation.
- Metal shielding is not allowed without putting the antenna out.
- Keep the drivers as far as possible away from electromagnetic interference in the surrounding environment to ensure RF controlling behavior.
- Make sure to keep mains off while installation.

## 8. Packing data

Weight per PCS	180g
Quantity/Carton	72PCS
Weight per Carton	14KG
Size of Carton	35cm*30cm*22cm

The packing data is for reference, the exact data subjects to the packing requirement of customers.

## 7. Dimension



Model: LKMC-IH40-42-A1-XXXX

## 10. All models and specifications

LKMC-IH40-42-A1-XXXX is the general series number, it includes the following models:

Model Number	Input Voltage/V	Max Input Current/mA	Rated Input Power/W	Output Voltage/V	Output Current/mA	Max Output Power/W	Max output voltage/V
LKMC-IH40-42-A1-0700	220-240AC	162	34.1	30-42V	700	29.4	50
LKMC-IH40-42-A1-0750	220-240AC	173	36.6	30-42V	750	31.5	50
LKMC-IH40-42-A1-0800	220-240AC	185	39	30-42V	800	33.6	50
LKMC-IH40-42-A1-0850	220-240AC	196	41.5	30-42V	850	35.7	50
LKMC-IH40-42-A1-0900	220-240AC	208	43.9	30-42V	900	37.8	50
LKMC-IH40-42-A1-0950	220-240AC	220	46	30-42V	950	39.9	50

## 1. LEKOLED System Functions

LEKOLED system is the dimmable and CCT tunable system base on RF-2.4G wireless control. This system contains different kind of drivers and controllers for different application.

### 11.1 LKL Multifunction Remote Controller

- One controller can control 100 Groups.
- 4 Step dimming and CCT adjusting
- Step-less dimming and CCT Adjusting
- All Control: All the lights that have matched with this remote can be controlled together.
- Certification: RED(approved by TUV)
- More Functions: Scene Mode( A and B),Timing ON/OFF ,ID Setting ( ID copy and reset)



### 11.2 LEKOLED 86 Controller

- One controller can control 6 Groups.
- Suitable to install on the wall or put on the table.
- Step-less dimming and CCT Adjusting
- All Control: All the lights remote can be controlled



### 11.3 LEKOLED Scene Mode Controller

- One controller can control one Group.
- 4 Scene modes
- Step-less dimming and CCT Adjusting



For more details of above controllers, please refer to the datasheet.

### Note

- LEKOLED reserves the right to make changes or corrections to the products at any time without notice. Customers should verify the datasheets are current and complete before placing order.
- The improvement of our products is endless, we will be always trying our best to provide better products for our customers.
- All the contents above are only for reference, The actual parameters are based on the approval sheet of our company.