

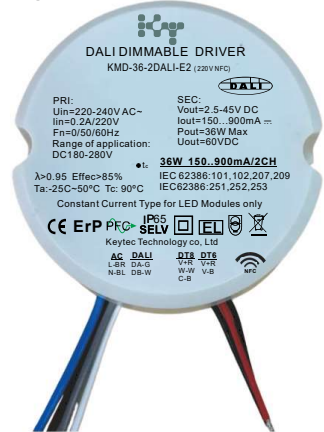
## KMD-36-2DALI-E2 220V NFC

### Product Overview

- KMD-36-2DALI-E2 220V NFC is a 2-in-1 product of DT6 & DT8, with a maximum power of 36W and a current range of 150... 900mA
- KMD-36-2DALI-E2 220V NFC is a constant current DALI power supply with multiple current selection capabilities.
- Complies with DALI standard protocol IEC 62386, DALI Digital control input, PWM Output.
- Built-in MCU, customisable logarithmic or linear dimming
- With smooth dimming curve and are flicker free.
- Isolated power supply design

### Product Feature

- Input voltage range from 220VAC to 240VAC, Compliant with the European voltage range
- Waterproof level IP 65, PF factor design > 0.95, and the efficiency is up to 83%
- Round design, Perfectly matched with downlights and spotlights applications
- Protections: Short circuit, over load, over current
- Comply with DALI protocol IEC 62386:101,102,207,209,251,252,253
- Compatible with PUSH function When DT6
- EL Function when DC 180-280V
- Support advanced functions such as EL emergency and CLO light attenuation compensation.
- Supports EnergyData function and reads energy reports (DALI Part 252)
- Supports the lamp data query function (DALI Part 251) and the reading of diagnostic and maintenance data (DALI Part 253)
- To enable NFC function, please download the APP: LED Driver Utilities



### Dimensional drawing



### Packing specification

size:80x80x30



Each product is in an independent white box

size:48.3x31x22.5



Each cardboard box contains 100 pcs  
Weight per box: 15KG

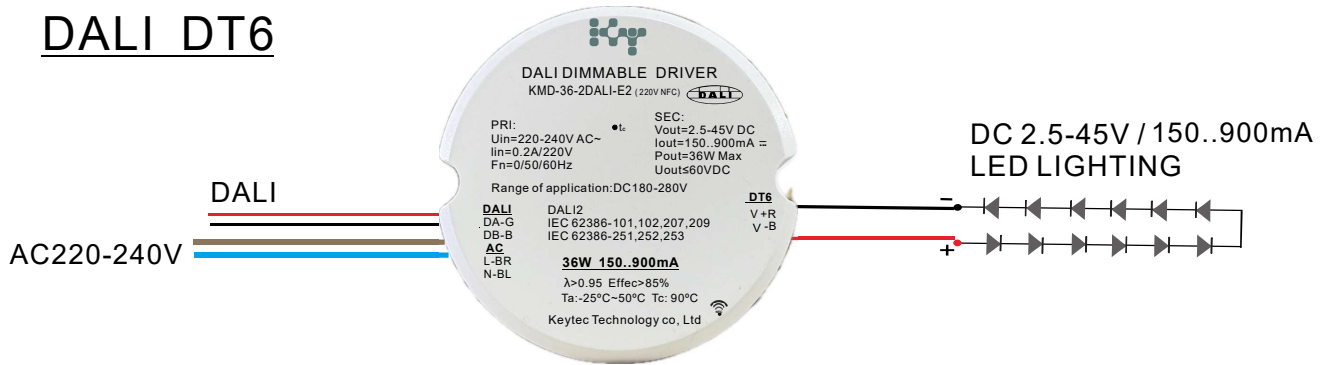


Technical Parameters

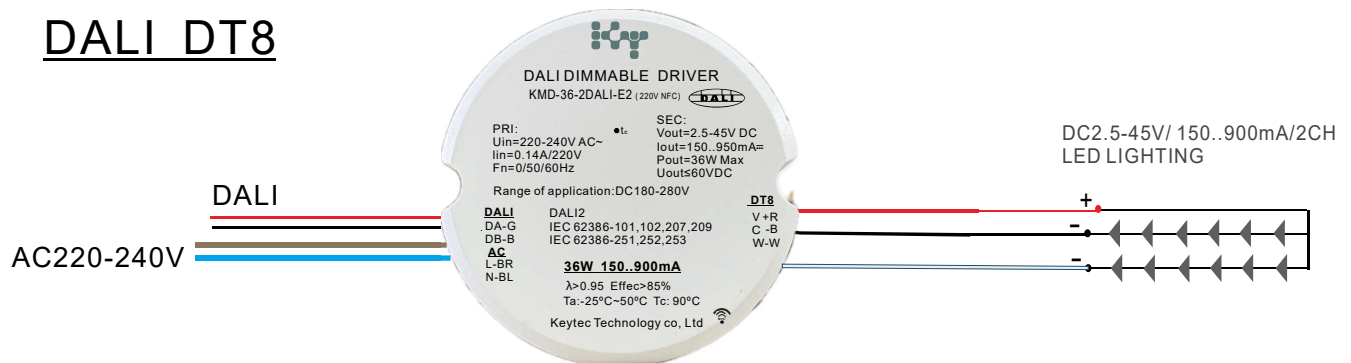
| Model                                  |                              | KMD-36-2DALI-E2 220V NFC                                                            |
|----------------------------------------|------------------------------|-------------------------------------------------------------------------------------|
| Input                                  | Efficiency                   | 85%@230VAC,Full load                                                                |
|                                        | Voltage                      | 220VAC~240VAC / DC180-280V                                                          |
|                                        | Frequency                    | 0/50/60Hz                                                                           |
|                                        | Power Factor                 | >0.95 @230VAC,Full load                                                             |
|                                        | THD                          | <20%230AVC,Full load                                                                |
|                                        | Standby power                | ≤ 0.5W                                                                              |
|                                        | Current @220VAC              | 0.2A Max                                                                            |
| Output                                 | Direct voltage               | 2.5VDC-45VDC                                                                        |
|                                        | Rated current                | 150..900mA                                                                          |
|                                        | Rated Power                  | Max36W                                                                              |
|                                        | Current Tolerance            | ±4%                                                                                 |
|                                        | Open circuit voltage         | ≤60VDC                                                                              |
|                                        | Rippl and noise(max)         | <800mVP-P                                                                           |
|                                        | Channel                      | 1Channel/ DT6 and 2Channel/ DT8                                                     |
| No flicker performance (typical value) |                              | Flashing Index (IEEE 1789) = 0.001 (100Hz), Pst LM = 0.001, SVM = 0.002             |
| Protection                             | Short circuit protection     | Connect wrong output positive negative pole,<br>still can work normally             |
|                                        | Overload protection          | When a predetermined current or voltage is exceeded,<br>it enters a protected state |
|                                        | Temperature protection       | The chip itself has protection                                                      |
| Safety&EMC                             | High-voltage insulation test | I/P-O/P:3.75KVAC                                                                    |
|                                        | Insulation resistance        | I/P-O/P:>100M Ohms/500VDC/25℃ /70% RH                                               |
|                                        | lightning-stroke overvoltage | 2KV                                                                                 |
|                                        | Safety Standards             | EN61347-1, EN61347-2-13, EN62384                                                    |
|                                        | EMC Eission                  | EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11,                       |
|                                        | EMC Immunity                 | EN 61547                                                                            |
| Function                               | Dimming range                | 0.2%-100%                                                                           |
|                                        | Dimming depth                | 0.2%                                                                                |
|                                        | DALI standard                | IEC 62386-101,102,207,209 ; IEC 62386-251,252,253                                   |
|                                        | D4I standard                 | DALI part 251,252,253                                                               |
| Others                                 | Working Temp.                | -25℃ ~+50℃                                                                          |
|                                        | Storage Temp.; Humidity      | -40℃ ~85℃ ,20-90%RH                                                                 |
|                                        | Temperature point-Tc         | 90℃                                                                                 |
|                                        | Shell Material               | PC                                                                                  |
|                                        | IP Rating                    | IP 65                                                                               |
|                                        | MTBF                         | 50,000h @ta:25℃                                                                     |
|                                        | Warranty Condition           | 5 years                                                                             |
|                                        | Switch Cycle                 | >15000times                                                                         |
|                                        | Net weight                   | 150g                                                                                |
|                                        | Dimension                    | D65x25mm                                                                            |
|                                        | Package Quantity             | 100pcs                                                                              |
|                                        | Package Size                 | 48.3x31x22.5 cm                                                                     |
|                                        | Package Weight               | 15kg                                                                                |

## Function Display

### DALI DT6

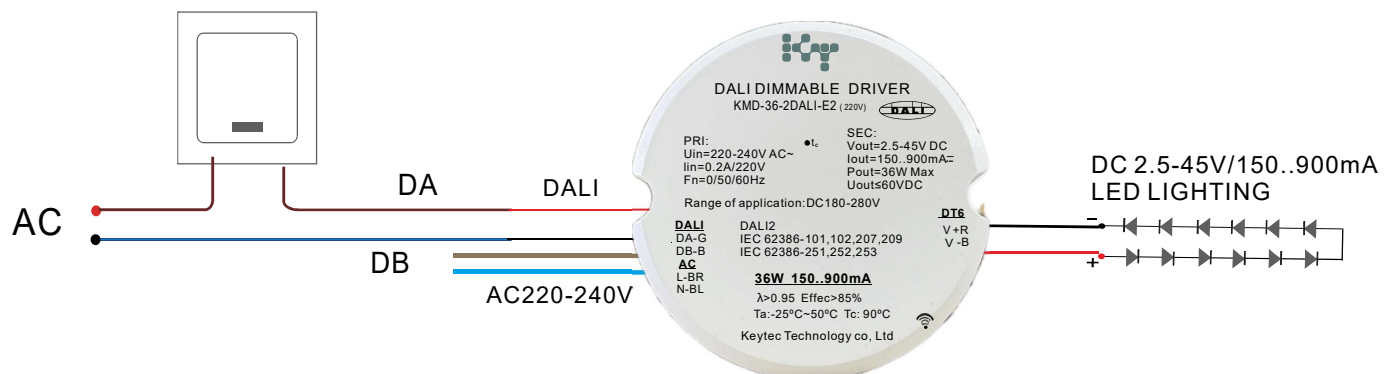


### DALI DT8



### PUSH

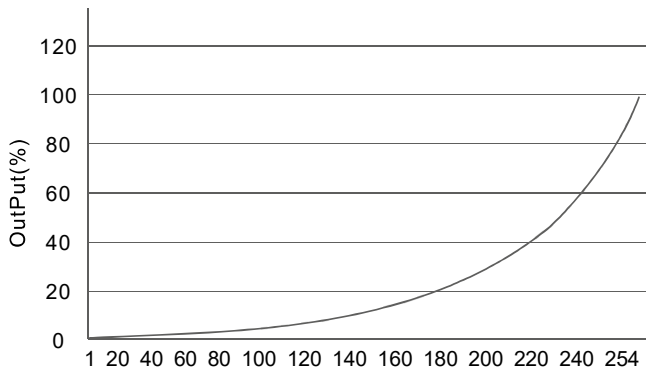
#### Push Panel



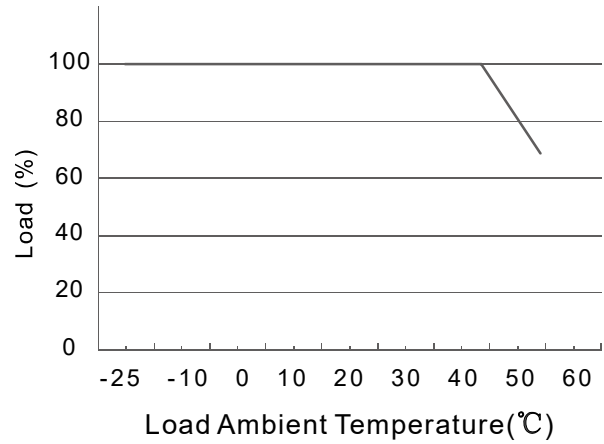
Dali Dimmable Driver has synchronization function during the dimming process

**DALI/PUSH Dimmable driver performance chart**

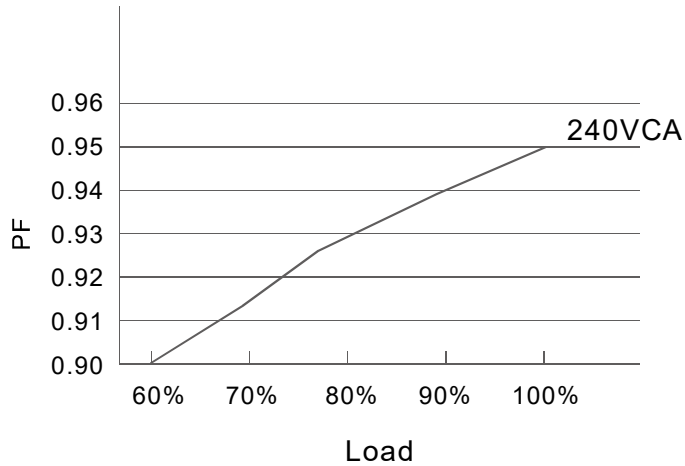
**DALI Dimming Curve**



**Derating Curve**



**PFC**



**Efficiency**

