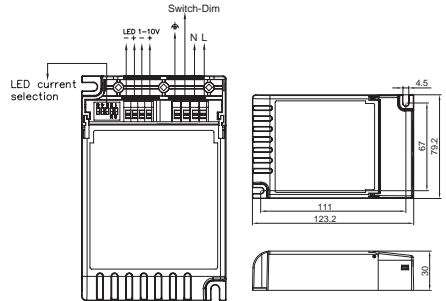


## INSTRUCTION MANUAL FOR 50W DIMMABLE LED DRIVER MODEL NO.: HE8050-A

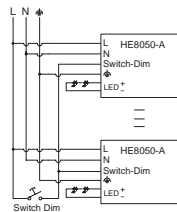
### SPECIFICATION

Mains voltage	220-240VAC 50/60Hz
Mains current	290 ~ 270mA
Mains power	58W (Maximum)
Power consumption	≤0.5W
Output voltage (U-out)	100V(Maximum)
Power factor	≥0.9
Operation temperature	Ta: -20~+45 °C Tc: 80 °C(Maximum) 5~25W/350mA/15~72V; 7~36W/500mA/15~72V 8~40W/550mA/15~72V; 9~43W/600mA/15~72V 10~47W/650mA/15~72V; 10~50W/700mA/15~72V 12~50W/800mA/15~63V; 13~50W/900mA/15~56V 15~50W/1050mA/15~48V
Max. output power/current/voltage	87%(Maximum) Push, 1-10V 1-100%, flicker-free Output short-circuit protection Over-heat protection, Permanent memory EN55015; EN61547; EN61000-3-2/3- EN61347-1, EN61347-2-13 Input→output : 3750VAC/5mA/1min
Efficiency	
Dimming interface	
Dimming range	
Abnormal protection	
EMC standard	
Safety standard	
Dielectric strength	

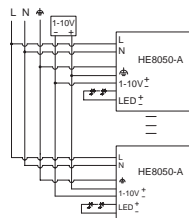


### WIRING DIAGRAM

#### Switch-DIM wiring diagram



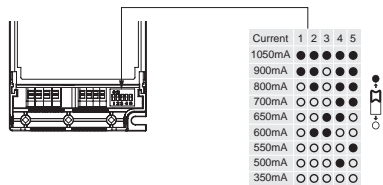
#### 1-10V dimming wiring diagram



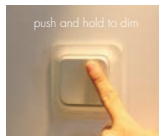
- Note: 1. Default setting is "1-10V" dimming.  
2. This "1-10V" output is isolated, SELV output.  
3. To shift dimming from "Switch-Dim" to "1-10V", the 1-10V leads should be short-circuit for at least 3s.

### LED CURRENT SELECTION

The current can be easily configured by choosing the correct combination of the DIP switches (see table below).



### SWITCH-DIM



- On/off control: short push (<1s) on the switch.

Note: Short push should be at least 0.12s, and the time interval between two pushes should be longer than 0.12s also.

- Stepless dimming: long push (>1s) on the switch.
- For fine tuning of light level: with every alternate long push, the light level goes to the opposite direction.
- Built-in permanent memory: light returns to the previous dimming level when switched off and on again, even after power failure.

### SYNCHRONIZATION

Up to 50 drivers can be connected to the same switch, thanks to the programme. This means there is no need for any additional synchrony wire in large installation, where many drivers should be controlled by one switch.

Please follow the steps below to achieve synchronization function if more than one driver is connected to the same push button:

- Press the push button for more than 1s (long push), then a short push (<1s). Now the devices are switched off.
- Long push the button, the system is now synchronized.

### INTELLIGENT THERMAL MANAGEMENT

In the case of overload, overheat, or poor electrical contact, drivers can get overheated. Instead of shutting down, this smart driver automatically reduces power output by 20% to reduce the thermal load, and further 20% more... until the thermal condition is at a safe level for the driver to work in a stable condition.

As the driver cools, the light output goes back to 100%.