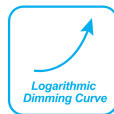
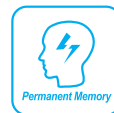
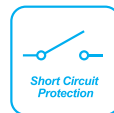
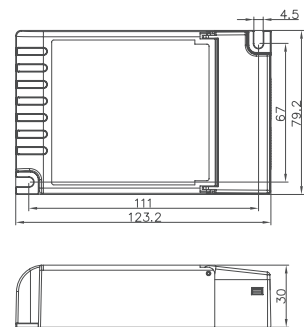
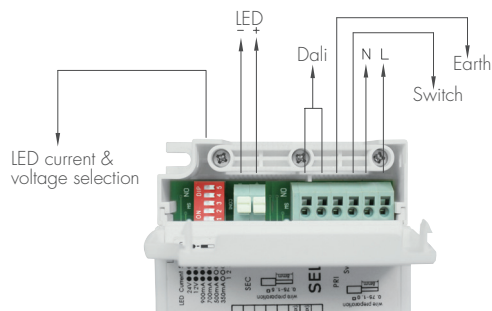


CONSTANT CURRENT & VOLTAGE

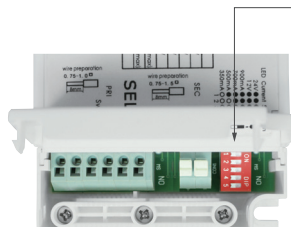
# DALI LED Driver

Model: HED2040 1X40W



## LED Current & Voltage Selection

The current & voltage can be easily configured by choosing the correct combination of the DIP switches (see table on the right).



mA/V	1	2	3	4	5	
24V	●	●	●	○	●	I
12V	●	●	●	○	○	II
900mA	●	●	●	○	○	III
700mA	●	●	○	○	○	IV
500mA	●	○	○	○	○	V
350mA	○	○	○	○	○	VI

## Switch - Dim



- On/off control: short push (<0.4s) on the switch.
- Stepless dimming: long push (>0.9s) on the switch.
- For fine tuning of light level: with every other long push, the light level goes to the opposite direction.
- Built-in with permanent memory: light returns to the previous dimming level when switched off and on again, even at power failure.

## Synchronization

Up to 64pcs 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 step below to achieve synchronization function if more than one driver are connected to the same push button:

- Do a long push for more than 15s, then the system is synchronized and all lights in the group dim down to 50%.

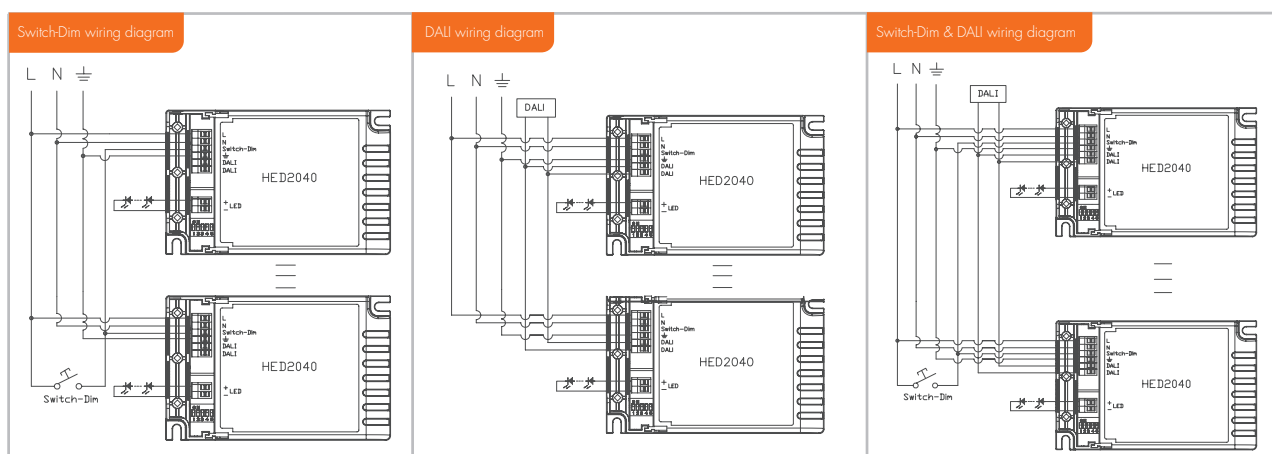
## Permanent memory

This driver has built-in permanent memory against power failure, which means the light always starts up at the previous level when it was switched off last time.

## Manual override

DALI and switch-Dim. can be connected at the same time, to enable manual override function for end-users to switch on/off or adjust the dimming level by the push-switch. This feature makes the product more user-friendly, and could provide more options for some extra-ordinary demands.

- \* Short push (<0.4s): on/off control;
- \* Long push (>0.9s): dim up/down the dimming level.
- \* If customers do not want to have this manual override function, just leave the "switch" terminal alone, and not connected to any wire.
- \* This manual override is only valid before the next DALI command, meaning the latest action, either from DALI or switch-Dim, stays in validity.



**⚠ Warning:** Please make sure the correct current or voltage is selected before starting the driver!

Specification	
Mains voltage	220~240VAC 50/60Hz
Mains current	0.22A ~0.2A
Output power(Max.)	18W (350mA)    26W (500mA)    36W (700mA) 40W (900mA)    10.5W (12V)    21.5W (24V)
U-out max.	80V
Power factor	≥0.95
Operation temperature	Ta: -20~+45℃    Tc: +80℃
Output current	350mA/500mA/700mA/900mA    in constant current operation mode 900mA Max (12V/24V)    in constant voltage operation mode
Output voltage(Max.)	53V(350mA)    52V(500mA)    52V(700mA)    45V(900mA)
Max. Efficiency	≥85%
Dimming interface	DALI, switch-Dim.
Abnormal protection	Output short-circuit protection with auto-reset.
Over-heat protection	Over-heat protection with auto-reset.
EMC standard	EN55015, EN61547, EN61000-3-2/3
Safety standard	EN61347-1, EN61347-2-13, EN60598-1
DALI standard	IEC62386-101:2009 ; IEC62386-102:2009 ; IEC62386-207:2009
Dielectric strength	Input→output : 3750VAC
Certification	Semko, CE , EMC, SAA
IP grade	IP20