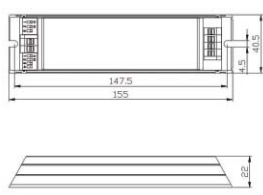
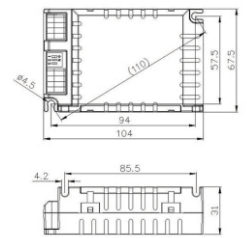


1-10v dimming
 switch-Dim
 R F remote dimming
 Zigbee dimming

Multi-current LED driver

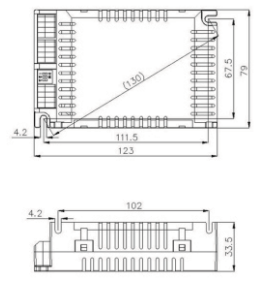


Model: HE1018-A, 1x18w



Model: HE1030-A, 1x30w

This multi-current LED driver has covered all available current in the market. The current can be easily configured by choosing the correct combination of the DIP switches--



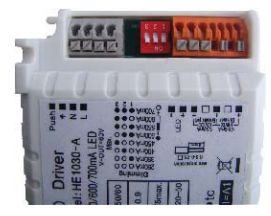
Model: HE1050-A, 2x25w

	1	2	3	
I	○	○	●	350mA
II	○	●	○	500mA
III	●	○	○	700mA
IV	○	○	○	1000mA

LED current selection



	1	2	3	Current
I	○	○	○	250mA
II	●	○	○	350mA
III	○	●	○	400mA
IV	○	○	●	450mA
V	●	●	○	500mA
VI	●	○	●	550mA
VII	○	●	●	600mA
VIII	●	●	●	700mA



Model: HE1018-A, 1x30w

Model: HE1018-A, 1x30w

Model: HE1018-A, 1x30w

Warning: please make sure the correct current is selected before switching on the driver!!! (Over-current may cause serious damage to the LED, while under-current does not give the full light output of the LED.)

Switch-Dim:

- * On/off: Short push(50-400ms) on the switch.
- * Stepless dimming: Long push and hold (> 400ms) on the switch.
- * For fine tuning of light level: With every 2nd long push, the light level goes 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.



Extended RF dimming function:

HYTRONIK has integrated an extended interface to our 1-10v dimming terminal. This extended dimming function is very convenient for R F and Zigbee dimming with external R F or Zigbeemodule.

The external R F / Zigbee module is an user friendly design: Plug and play.

R F / Zigbee dimming with external R F/Zigbee module.

Plug and play.



PWM dimming:

PWM dimming is available upon customer`s request, it is easily and quickly achievable by minor adjustment on the PCB layout and output terminal.

Specification	HE1018-A 1X18w	HE1030-A 1X30w	HE1050-A 2x25w
Rated voltage	220-240VAC 50/60Hz	220-240VAC 50/60Hz	220-240VAC 50/60Hz
Rated current	0.12A(Max)	0.25A(Max)	0.25A(Max)
Rated power	22W(MAX)	36W(MAX)	2x28W(MAX)
Output voltage	49VDC(max)	60VDC(max)	60VDC(max)
Operation frequency	320kHz \geq f \geq 50kHz	320kHz \geq f \geq 50kHz	320kHz \geq f \geq 50kHz
Power factor	\geq 0.90	\geq 0.90	\geq 0.90
Operation temperature	Ta: 50 $^{\circ}$ C Tc: 75 $^{\circ}$ C	Ta: 50 $^{\circ}$ C Tc: 75 $^{\circ}$ C	Ta: 50 $^{\circ}$ C Tc: 75 $^{\circ}$ C
Output current & Load	350mA/1W (1-14pcs) 500mA/2W (1-10pcs) 700mA/3W (1-7pcs) 1000mA/5W (1-4pcs)	250mA(1-16pcs) 350mA(1-16pcs) 400mA(1-16pcs)450mA(1-13pcs) 500mA(1-12pcs)550mA(1-11pcs) 600mA(1-10pcs) 700mA(1-10pcs)	250mA(1-16pcs) 350mA(1-16pcs) 400mA(1-16pcs)450mA(1-13pcs) 500mA(1-12pcs)550mA(1-11pcs) 600mA(1-10pcs) 700mA(1-10pcs)
Max. Efficiency	\geq 84%	\geq 86%	\geq 86%
Abnormal protection	Output short-circuit protection with auto-reset.	Output short-circuit protection with auto-reset.	Output short-circuit protection with auto-reset.
Over-heat protection	Over-heat protection with auto-reset.	Over-heat protection with auto-reset.	Over-heat protection with auto-reset.
EMC standard	EN55015 EN61547	EN55015 EN61547	EN55015 EN61547
Safety standard	EN61347-1, EN61347-2-13	EN61347-1, EN61347-2-13	EN61347-1, EN61347-2-13
Certification	SEMKO, CE , EMC	SEMKO, CE , EMC	SEMKO, CE , EMC
Dielectric strength	Input \rightarrow output: 3750VAC input \rightarrow ground 1800VAC Output \rightarrow ground 500VAC all with 5mA/1min	Input \rightarrow output: 3750VAC input \rightarrow ground 1800VAC Output \rightarrow ground 500VAC all with 5mA/1min	Input \rightarrow output: 3750VAC input \rightarrow ground 1800VAC Output \rightarrow ground 500VAC all with 5mA/1min
IP grade	IP20 built-in type	IP20 built-in type	IP20 built-in type