



## DC transformer series

Model	Wattage (W)	Input (V)	Output (V)	Ta (°C)	Output wire length	Output terminals	Dimming	Approvals
HT2105	35-105	230	11.5	- 18~ + 60	1.5-20 m	8 poles	trailing & leading edge	Semko
HT2150	80-150	230	11.5	- 18~ + 60	1.5-20 m	8 poles	trailing edge	Semko
HT2210	80-210	230	11.5	- 18~ + 45	1.5-20 m	8 poles	trailing edge	Semko
HT4210-1	80-210	230	11.5	- 18~ + 40	1.5-20 m	2 poles	trailing edge	Semko
HT4300	100-300	230	11.5	- 18~ + 40	1.5-20 m	2 poles	trailing edge	Semko
HT5105	50-105	230	11.5	- 18~ + 40	1.5-20 m	2 poles	switch-DIM	Semko
HT5150	70-150	230	11.5	- 18~ + 40	1.5-20 m	2 poles	switch-DIM	Semko
HT5210	100-210	230	11.5	- 18~ + 40	1.5-20 m	2 poles	switch-DIM	Semko
HT5300	200-300	230	11.5	- 18~ + 40	1.5-20 m	2 poles	switch-DIM	Semko
HT9210	80-210	230	11.5	- 18~ + 45	1.5-20 m	lead wire	trailing edge	Semko

### Product benefits:

The transformers can handle up to 20 meters long output wire of 1.5--2.5mm<sup>2</sup> without EMC disturbance and voltage drop/power loss, which makes it the optimal choice for wire system and track light.



Wire system

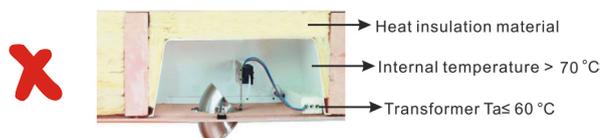


Track light

- \*Overload, overheat, short circuit and empty load protection, restart on removal of obstacles and power reset.
- \*Soft start, 50,000 hours life span.
- \*Compact, safety class II .
- \*Big spring terminals on secondary side, ensures safe connection of up to 40A current.
- \*Permanent memory even for power failures (on HT5105/5150/5210/5300 only).

The DC transformer also has tremendous advantage over the traditional AC transformer in big series downlight installation--

#### Ordinary AC transformer installation



(Transformer installed inside the down-light box, lifespan greatly jeopardized due to over-heat.)

#### With DC transformer installation



(Transformer located outside the down-light box, avoided over-heating problem.)

With 20 meters output wire length, it is possible to locate the transformer outside the downlight box, therefore, the potential thermal risk is eliminated and the lifespan of our transformer is perfectly extended (the temperature in normal downlight box is extremely hot, > 70 °C, far above the rated Ta of all ordinary transformers currently available in market\*, undoubtedly, when placed inside the box, the transformer lifespan is greatly jeopardized, and early failure often occurs.)

\*Except our special high Ta series (Ta>70°C), please refer to page 41 for details.