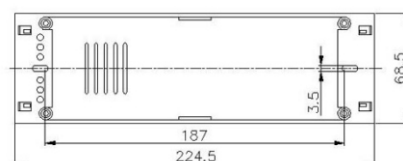
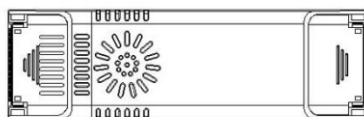


MODEL : HT 5105

MODEL : HT 5150

MODEL : HT 5210



### Primary side

- \*4 poles, 10a each, for power input and output. Wire 0.5-2.5mm<sup>2</sup>
- \*1 pole for functional grounding.
- \*1 pole for switch-DIM wire input
- \*integrated tool-free strain relief

\*dimming range 5-100%, switch-DIM

\*lamp wattage 50-210VA

\*over load and short-circuit protection, restart after removal of obstacles and power reset

\*built with memory function for power failure.

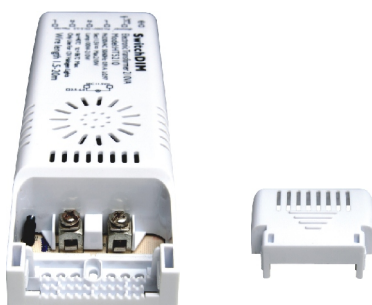
\*protection class II

\*protection against overheating with automatic reset

\*Soft start, 50,000 service hours.

\*up to 20 transformers can be parallel connected and dimmed by 1 dimmer switch. The light level of all the 20 units can be synchronized.

\*The distance between transformers should not be less than 200mm in order to avoid electromagnetic disturbance.



### Secondary side

- \*2 poles, 40a each, for wire 1.5mm<sup>2</sup> - 6.0mm<sup>2</sup>
- \*big spring terminal secures good electrical connection
- \*integrated tool-free strain relief

### Switch-DIM

Short push (50-600 ms) switches transformers ON and OFF. The transformers switch-ON at light level set at switch-OFF.

Long push (>600 ms) dimes the transformer in a smooth and circulatory manner.

Every 2nd long push, the light level goes to the opposite direction This Makes it easy to fine-tune and get the desired brightness.

In some rare cases, a group of transformers, which are connected in parallel and controlled by one switch, might end up with different light levels. The transformers can then be synchronized by dimming all the transformers to about 50% of max. brightness, and push the switch On/Off for 2 cycles with min 3 seconds intervals.

**Warning: do not use trailing edge and leading edge dimmer to dim this transformer!!**

**MODEL : HT 5105****MODEL : HT 5150****MODEL : HT 5210****Specification:**

| MODEL                        |           | HT5105        |
|------------------------------|-----------|---------------|
| primary voltage              | VAC       | 230           |
| input current at 230V/50Hz ① | A         | 0.45          |
| frequency                    | Hz        | 50/60         |
| secondary voltage ①          | V         | 11.5          |
| lamp wattage                 | VA        | 50-105        |
| efficiency                   | %         | >92           |
| power factor                 | $\lambda$ | >0.97         |
| ambient temperature ta       | °C        | -18 to +40    |
| rated max. temperature tc    | °C        | 86            |
| soft start                   |           | yes           |
| dimming                      |           | Switch-DIM    |
| dimensions LxWxH             | mm        | 224.5x68.5x43 |
| weight                       | kg        | 0.40          |

| MODEL                        |           | HT5150        |
|------------------------------|-----------|---------------|
| primary voltage              | VAC       | 230           |
| input current at 230V/50Hz ① | A         | 0.65          |
| frequency                    | Hz        | 50/60         |
| secondary voltage ①          | V         | 11.5          |
| lamp wattage                 | VA        | 70-150        |
| efficiency                   | %         | >92           |
| power factor                 | $\lambda$ | >0.95         |
| ambient temperature ta       | °C        | -18 to +40    |
| rated max. temperature tc    | °C        | 86            |
| soft start                   |           | yes           |
| dimming                      |           | Switch-DIM    |
| dimensions LxWxH             | mm        | 224.5x68.5x43 |
| weight                       | kg        | 0.48          |

| MODEL                        |           | HT5210        |
|------------------------------|-----------|---------------|
| primary voltage              | VAC       | 230           |
| input current at 230V/50Hz ① | A         | 0.91          |
| frequency                    | Hz        | 50/60         |
| secondary voltage ①          | V         | 11.5          |
| lamp wattage                 | VA        | 100-210       |
| efficiency                   | %         | >92           |
| power factor                 | $\lambda$ | >0.97         |
| ambient temperature ta       | °C        | -18 to +40    |
| rated max. temperature tc    | °C        | 86            |
| soft start                   |           | yes           |
| dimming                      |           | Switch-DIM    |
| dimensions LxWxH             | mm        | 224.5x68.5x43 |
| weight                       | kg        | 0.55          |

**Power loss (voltage drop)****1.5 mm<sup>2</sup> Cable cross section****HT5105**

| even load   | V-terminal | V-lamp 1 | V-lamp 2 | V-lamp 3 |
|-------------|------------|----------|----------|----------|
| 12m 3 × 35W | 12.2       | 11.7     | 10.8     | 10.5     |
| 2 × 50W     | 12.2       | 11.7     | 10.4     |          |
| 20m 3 × 35W | 12.2       | 11.7     | 11.1     | 10.5     |
| 2 × 50W     | 12.2       | 11.7     | 10.4     |          |

**2.5 mm<sup>2</sup> Cable cross section**

| even load   | V-terminal | V-lamp 1 | V-lamp 2 | V-lamp 3 |
|-------------|------------|----------|----------|----------|
| 12m 3 × 35W | 12.5       | 11.9     | 11.4     | 11.0     |
| 2 × 50W     | 12.5       | 11.8     | 11.2     |          |
| 20m 3 × 35W | 12.5       | 11.8     | 11.3     | 10.8     |
| 2 × 50W     | 12.5       | 11.7     | 11.0     |          |

**1.5 mm<sup>2</sup> Cable cross section****HT5150**

| even load   | V-terminal | V-lamp 1 | V-lamp 2 | V-lamp 3 | V-lamp 4 |
|-------------|------------|----------|----------|----------|----------|
| 12m 4 × 35W | 12.1       | 11.6     | 11.3     | 11.1     | 10.8     |
| 3 × 50W     | 12.2       | 11.5     | 11.2     | 10.9     |          |
| 20m 4 × 35W | 12.5       | 11.9     | 11.7     | 11.4     | 11.0     |
| 3 × 50W     | 12.6       | 11.9     | 11.6     | 11.2     |          |

**2.5 mm<sup>2</sup> Cable cross section**

| even load   | V-terminal | V-lamp 1 | V-lamp 2 | V-lamp 3 | V-lamp 4 |
|-------------|------------|----------|----------|----------|----------|
| 12m 4 × 35W | 12.2       | 11.8     | 11.6     | 11.4     | 11.3     |
| 3 × 50W     | 12.2       | 11.9     | 11.6     | 11.3     |          |
| 20m 4 × 35W | 12.4       | 11.9     | 11.6     | 11.3     | 11.0     |
| 3 × 50W     | 12.4       | 11.8     | 11.4     | 11.0     |          |

**2.5 mm<sup>2</sup> Cable cross section****HT5210**

| even load   | V-terminal | V-lamp 1 | V-lamp 2 | V-lamp 3 | V-lamp 4 | V-lamp 5 | V-lamp 6 |
|-------------|------------|----------|----------|----------|----------|----------|----------|
| 12m 6 × 35W | 12.1       | 11.6     | 11.3     | 11.1     | 10.8     | 10.7     | 10.6     |
| 4 × 50W     | 12.2       | 11.5     | 11.2     | 10.9     | 10.7     |          |          |
| 20m 6 × 35W | 12.5       | 11.9     | 11.7     | 11.4     | 11.0     | 10.8     | 10.5     |
| 4 × 50W     | 12.6       | 11.9     | 11.6     | 11.2     | 10.8     |          |          |

**4.0 mm<sup>2</sup> Cable cross section**

| even load   | V-terminal | V-lamp 1 | V-lamp 2 | V-lamp 3 | V-lamp 4 | V-lamp 5 | V-lamp 6 |
|-------------|------------|----------|----------|----------|----------|----------|----------|
| 12m 6 × 35W | 12.2       | 11.8     | 11.6     | 11.4     | 11.3     | 11.2     | 11.0     |
| 4 × 50W     | 12.2       | 11.9     | 11.6     | 11.3     | 11.0     |          |          |
| 20m 6 × 35W | 12.4       | 11.9     | 11.6     | 11.3     | 11.0     | 10.8     | 10.6     |
| 4 × 50W     | 12.4       | 11.8     | 11.4     | 11.0     | 10.8     |          |          |