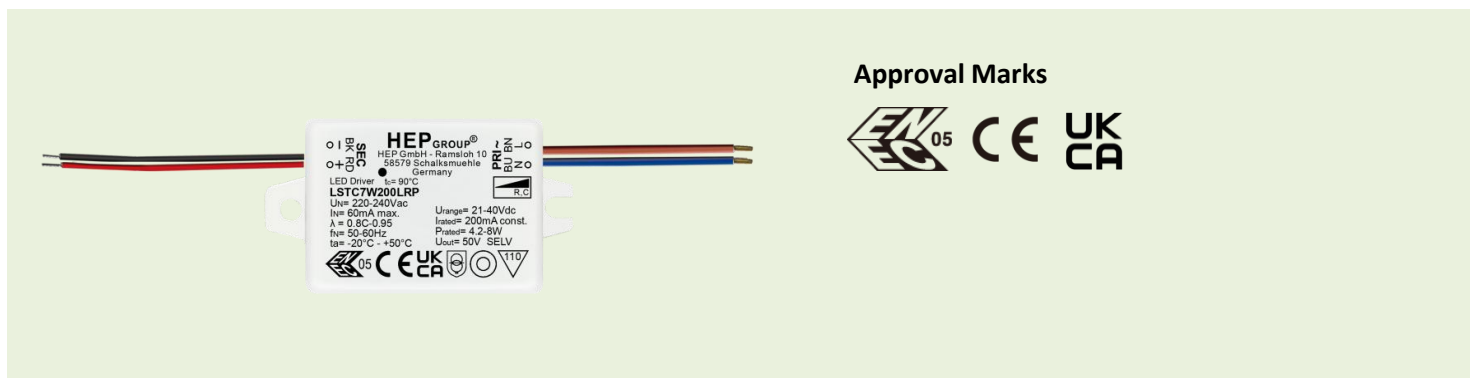




| Item                          |                                 | Value        | Remark                                   |
|-------------------------------|---------------------------------|--------------|------------------------------------------|
| Input                         | Nominal voltage                 | 220–240V     |                                          |
|                               | Nominal frequency               | 50–60Hz      |                                          |
|                               | AC voltage range                | 198–264V     |                                          |
|                               | DC voltage range (start)        | NA           |                                          |
|                               | DC voltage range (operation)    | NA           |                                          |
|                               | Nominal current                 | 60mA         | Full load @ 230VAC                       |
|                               | Total Harmonic Distortion (THD) | < 25%        | Full load @ 230VAC                       |
|                               | Power factor                    |              | Min-load @ 240Vac and Full-load @ 220Vac |
|                               | LSTC7W150/180/250/300/350LRP    | 0.9C-0.95    |                                          |
|                               | LSTC7W200LRP                    | 0.8C-0.95    |                                          |
|                               | LSTC7W500LRP                    | 0.85C-0.95   |                                          |
|                               | Displacement factor             |              | Min-load @ 240Vac and Full-load @ 220Vac |
|                               | LSTC7W150/180/250/300/350LRP    | 0.9C-0.95    |                                          |
|                               | LSTC7W200LRP                    | 0.8C-0.95    |                                          |
|                               | LSTC7W500LRP                    | 0.85C-0.95   |                                          |
|                               | Efficiency                      |              | Full load @ 230VAC                       |
|                               | LSTC7W150LRP                    | 79% (Typ.)   |                                          |
|                               | LSTC7W180LRP                    | 78% (Typ.)   |                                          |
|                               | LSTC7W200LRP                    | 77% (Typ.)   |                                          |
|                               | LSTC7W250/300/350LRP            | 76% (Typ.)   |                                          |
|                               | LSTC7W500LRP                    | 73% (Typ.)   |                                          |
| No-load power                 |                                 | NA           |                                          |
| Stand-by power                |                                 | NA           |                                          |
| Protection class              |                                 | NA           |                                          |
| Inrush current                |                                 | 15 A / 30 us |                                          |
| Max.units per circuit breaker | Type B , 10A MCB                | 61           |                                          |
|                               | Type B , 16A MCB                | 97           |                                          |
|                               | Type C , 10A MCB                | 76           |                                          |
|                               | Type C , 16A MCB                | 121          |                                          |
| Earth leakage current         |                                 | NA           |                                          |

| Item    |                                  | Value         | Remark                                    |
|---------|----------------------------------|---------------|-------------------------------------------|
| Output  | Nominal voltage range            |               |                                           |
|         | LSTC7W150LRP                     | 25–42Vdc      |                                           |
|         | LSTC7W180LRP                     | 21–41Vdc      |                                           |
|         | LSTC7W200LRP                     | 21–40Vdc      |                                           |
|         | LSTC7W250LRP                     | 16–26Vdc      |                                           |
|         | LSTC7W300LRP                     | 14–24Vdc      |                                           |
|         | LSTC7W350LRP                     | 12–21Vdc      |                                           |
|         | LSTC7W500LRP                     | 6.5–13Vdc     |                                           |
|         | Maximum voltage                  |               |                                           |
|         | LSTC7W150/180/200LRP             | 50Vdc         |                                           |
|         | LSTC7W250/300/350LRP             | 35Vdc         |                                           |
|         | LSTC7W500LRP                     | 25Vdc         |                                           |
|         | Nominal current range            |               |                                           |
|         | LSTC7W150LRP                     | 150mA         | 585mA                                     |
|         | LSTC7W180LRP                     | 180mA         | 585mA                                     |
|         | LSTC7W200LRP                     | 200mA         | 585mA                                     |
|         | LSTC7W250LRP                     | 250mA         | 585mA                                     |
|         | LSTC7W300LRP                     | 300mA         | 585mA                                     |
|         | LSTC7W350LRP                     | 350mA         | 585mA                                     |
|         | LSTC7W500LRP                     | 500mA         | 585mA                                     |
|         | Current accuracy                 | ± 6%          | Full load @230VAC                         |
|         | Typical output LF current ripple |               | Low Frequency< 120Hz<br>Full load @230VAC |
| Dimming | LSTC7W150/180/200LRP             | ± 10%         |                                           |
|         | LSTC7W250/300LRP                 | ± 8%          |                                           |
|         | LSTC7W350/500LRP                 | ± 8%          |                                           |
|         | SVM                              | ≤ 0.4         | Full load @230VAC                         |
|         | P <sub>st</sub> LM               | ≤ 1           | Full load @230VAC                         |
|         | Starting time                    | < 0.5 S       | Full load @230VAC                         |
|         | Nominal power range              |               |                                           |
|         | LSTC7W150LRP                     | 3.8-6.3W      |                                           |
|         | LSTC7W180LRP                     | 3.8-7.3W      |                                           |
|         | LSTC7W200LRP                     | 4.2-8.0W      |                                           |
|         | LSTC7W250LRP                     | 4.0-6.5W      |                                           |
|         | LSTC7W300LRP                     | 4.2-7.2W      |                                           |
|         | LSTC7W350LRP                     | 4.2-7.3W      |                                           |
|         | LSTC7W500LRP                     | 3.3-6.5W      |                                           |
|         | Maximum power                    | 8W            |                                           |
|         | Dimming control                  | Trailing edge |                                           |
|         | Dimming technique                | Amplitude     |                                           |
|         | PWM frequency                    | NA            |                                           |
|         | Dimming range                    | 10%-100%      |                                           |
|         | Lowest dimming current           | 5%-10%        |                                           |
|         | Galvanic isolation               | NA            |                                           |

|                          | Item                                     | Value                                                   | Remark                                                                                                           |
|--------------------------|------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Environment              | Ambient temperature range t <sub>a</sub> | -20°C - +50°C                                           |                                                                                                                  |
|                          | Maximum case temperature t <sub>c</sub>  |                                                         |                                                                                                                  |
|                          | LSTC7W150/180/200/250/<br>300/350/500LRP | 90°C                                                    |                                                                                                                  |
|                          | Max. case temp. in fault condition       | 110°C                                                   | When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C |
|                          | Storage temperature range                | -40°C - +90°C                                           |                                                                                                                  |
|                          | Relative humidity                        | 10% - 90%                                               |                                                                                                                  |
|                          | Surge transient protection               | 1 kV                                                    | L/N                                                                                                              |
|                          | Environmental rating                     | Indoor                                                  |                                                                                                                  |
|                          | IP rating                                | IP20                                                    |                                                                                                                  |
|                          | Mains switching cycles                   | > 100,000                                               |                                                                                                                  |
|                          | Expected lifetime                        |                                                         |                                                                                                                  |
|                          | LSTC7W250/300/350/500LRP                 |                                                         |                                                                                                                  |
|                          | Full Load                                | > 30,000 h, t <sub>c</sub> 85 °C @ t <sub>a</sub> 50 °C | 0.33% / 1,000 h failure rate                                                                                     |
|                          | LSTC7W150/180/200LRP                     |                                                         |                                                                                                                  |
|                          | Full Load                                | > 50,000 h, t <sub>c</sub> 85 °C @ t <sub>a</sub> 50 °C | 0.2% / 1,000 h failure rate                                                                                      |
| Packing                  | Gross weight/box                         | 4.3 kg                                                  |                                                                                                                  |
|                          | Net weight/box                           | 3.5 kg                                                  |                                                                                                                  |
|                          | Pcs/box                                  | 100 PCS                                                 |                                                                                                                  |
|                          | Dimension/box                            | 240(L)*190(W)*185(H)mm                                  |                                                                                                                  |
| Protections              |                                          |                                                         |                                                                                                                  |
| Short-circuit Protection |                                          | Auto recovery                                           |                                                                                                                  |
| Open-circuit Protection  |                                          | Auto recovery                                           |                                                                                                                  |
| Overload Protection      |                                          | Auto recovery                                           |                                                                                                                  |
| Conformity & Standards   |                                          |                                                         |                                                                                                                  |
| Safety standard:         |                                          | EN 61347-1, EN 61347-2-13, EN 62493                     |                                                                                                                  |
| Performance:             |                                          | EN 62384                                                |                                                                                                                  |
| EMC standard:            |                                          | EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547          |                                                                                                                  |
| Cable information        |                                          |                                                         |                                                                                                                  |
| PRI                      | Connection                               | L                                                       | N                                                                                                                |
|                          | Color                                    | Brown                                                   | Blue                                                                                                             |
|                          | Wire type                                | 7022                                                    | 7022                                                                                                             |
|                          | Wire diameter                            | AWG20                                                   | AWG20                                                                                                            |
|                          | Wire length                              | 154mm                                                   | 154mm                                                                                                            |
|                          | Stripping                                | 6mm                                                     | 6mm                                                                                                              |
|                          | Tolerance                                | ±5mm                                                    | ±5mm                                                                                                             |
| Sec                      | Connection                               | +                                                       | -                                                                                                                |
|                          | Color                                    | Red                                                     | Black                                                                                                            |
|                          | Wire type                                | 1332                                                    | 1332                                                                                                             |
|                          | Wire diameter                            | AWG22                                                   | AWG22                                                                                                            |
|                          | Wire length                              | 154mm                                                   | 154mm                                                                                                            |
|                          | Strip length                             | 6mm                                                     | 6mm                                                                                                              |
|                          | Tolerance                                | ±5mm                                                    | ±5mm                                                                                                             |

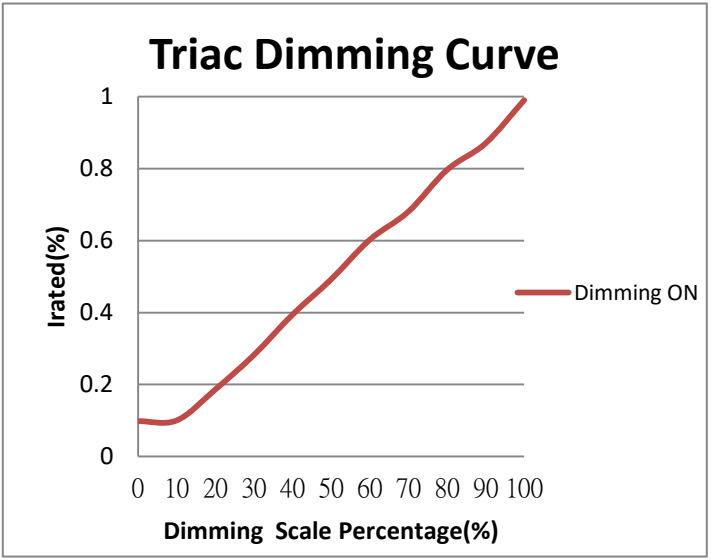
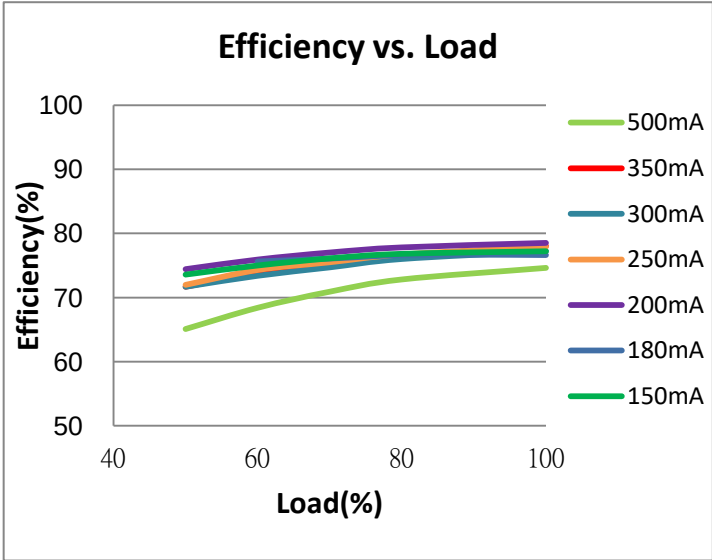
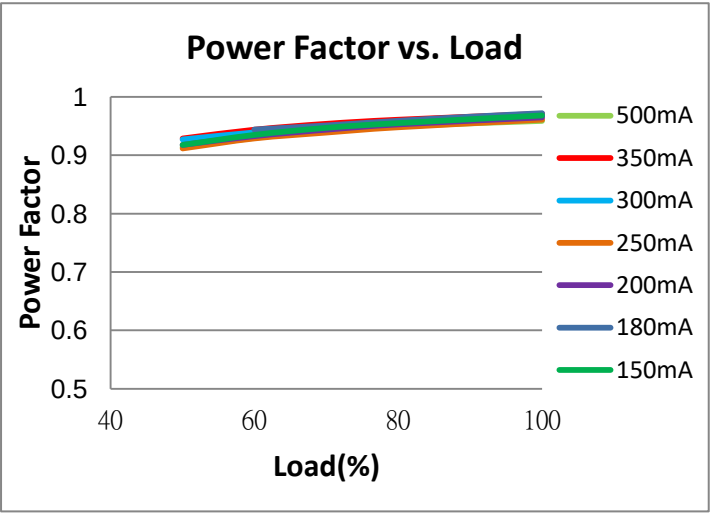
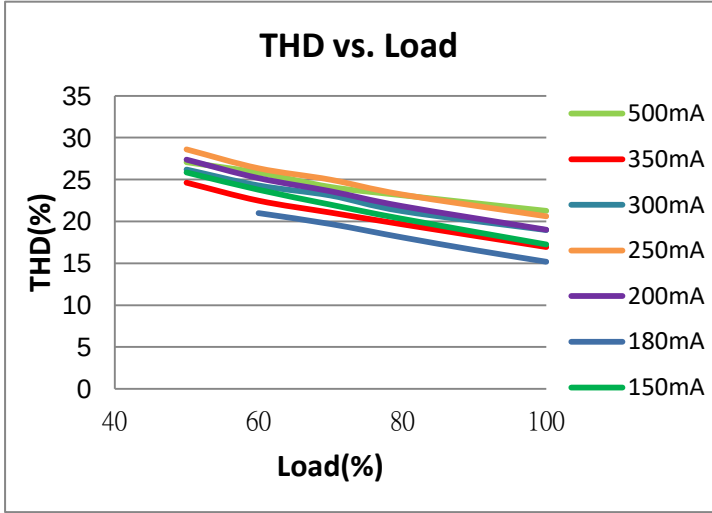
\*Subject to change without notice, HEP guarantees all products perform functionally well\*

\*If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Trailing Edge Dimmer list approved by HEP

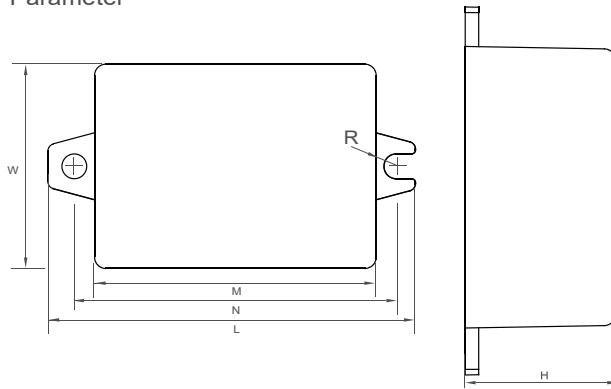
| Manufacturer     | Model         | Q'ty of parallelconnection |
|------------------|---------------|----------------------------|
| Philips          | SED-200A      | 13                         |
| Merten/Schneider | SBD315RC      | 18                         |
| Etman            | ETM329        | 20                         |
| Merten           | SBD200LED     | 20                         |
| Busch            | 6513 U-102    | 20                         |
| Busch            | 6523 UR-103   | 20                         |
| Busch            | 6523 U-102    | 14                         |
| Niko             | 310-0190X     | 18                         |
| JUNG             | LB-Management | 20                         |
| CASAMBI          | CBU-TED       | 8                          |

Electrical Values



## Physical

### Parameter



L : 49 mm    H : 20 mm

M : 37.5 mm    N : 42.9 mm

W : 27.2 mm    R : 1.65 mm

Tolerance : +/-1 mm , R : +/-0.5 mm

Housing Material    Polycarbonate/ Potting

Soldering    Lead-Free, Comply With RoHS

Label    Surface Print

## Wiring Diagram

