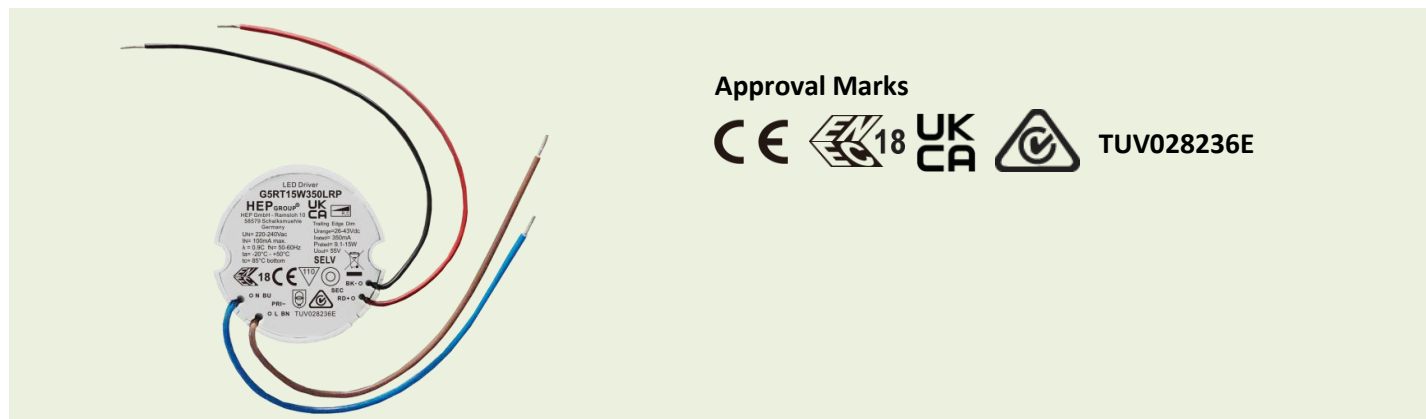




| Item   |                                 | Value            | Remark            |
|--------|---------------------------------|------------------|-------------------|
| Input  | Nominal voltage                 | 220–240V         |                   |
|        | Nominal frequency               | 50–60Hz          |                   |
|        | AC voltage range                | 198–264V         |                   |
|        | DC voltage range (start)        | NA               |                   |
|        | DC voltage range (operation)    | NA               |                   |
|        | Nominal current                 | 70mA             |                   |
|        | Total Harmonic Distortion (THD) | < 20%            | Full load @230VAC |
|        | Power factor                    | 0.9C             | Full load @230VAC |
|        | Displacement factor             | 0.9C             | Full load @230VAC |
|        | Efficiency                      |                  |                   |
|        | G5RT10W200/250/350LRP           | 80%(Typ.)        | Full load @230VAC |
|        | No-load power                   | NA               |                   |
|        | Stand-by power                  | NA               |                   |
|        | Protection class                | NA               |                   |
|        | Inrush current                  | 12.4A / 7.2us    |                   |
| Output | Max.units per circuit breaker   | Type B , 10A MCB | 57                |
|        |                                 | Type B , 16A MCB | 91                |
|        |                                 | Type C , 10A MCB | 71                |
|        |                                 | Type C , 16A MCB | 114               |
|        | Touch current                   | < 0.7mA peak     | IEC/EN 61347-1    |
|        | Nominal voltage range           |                  |                   |
|        | G5RT10W200/250LRP               | 30-42Vdc         |                   |
|        | G5RT10W350LRP                   | 13-26Vdc         |                   |
|        | Maximum voltage                 |                  |                   |
|        | G5RT10W200/250LRP               | 55Vdc            |                   |
|        | G5RT10W350LRP                   | 35Vdc            |                   |
|        | Nominal current range           |                  |                   |
|        | G5RT10W200LRP                   | 200mA            |                   |
|        | G5RT10W250LRP                   | 250mA            |                   |
|        | G5RT10W350LRP                   | 350mA            |                   |

|                                   | Item                                     | Value                                                   | Remark                                                                                                                  |
|-----------------------------------|------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Output                            | Current accuracy                         | ± 5%                                                    | Full load @230VAC                                                                                                       |
|                                   | Typical output LF current ripple         | ± 5%                                                    | Low Frequency<120Hz<br>Full load @230VAC                                                                                |
|                                   | Starting time                            | < 0.5 S                                                 | Full load @230VAC                                                                                                       |
|                                   | SVM                                      | ≤ 0.4                                                   | Full load @230VAC                                                                                                       |
|                                   | P <sub>st</sub> LM                       | ≤ 1                                                     | Full load @230VAC                                                                                                       |
|                                   | Nominal power range                      |                                                         |                                                                                                                         |
|                                   | G5RT10W200LRP                            | 6-8.4W                                                  |                                                                                                                         |
|                                   | G5RT10W250LRP                            | 7.5-10.5W                                               |                                                                                                                         |
|                                   | G5RT10W350LRP                            | 4.6-9.1W                                                |                                                                                                                         |
|                                   | Maximum power                            | 10.5W                                                   |                                                                                                                         |
| Dimming                           | Dimming control                          | Trailing Edge                                           |                                                                                                                         |
|                                   | Dimming technique                        | Amplitude                                               |                                                                                                                         |
|                                   | PWM frequency                            | NA                                                      |                                                                                                                         |
|                                   | Dimming range                            | 10-100%                                                 |                                                                                                                         |
|                                   | Lowest dimming current                   | 2-6%                                                    |                                                                                                                         |
|                                   | Galvanic isolation                       | NA                                                      |                                                                                                                         |
| Environment                       | Ambient temperature range t <sub>a</sub> | -20°C - +50°C                                           |                                                                                                                         |
|                                   | Maximum case temperature t <sub>c</sub>  | 85°C                                                    | bottom                                                                                                                  |
|                                   | Max. case temp. in fault condition       | 110°C                                                   | When operating under fault conditions,<br>the temperature of the enclosure at any<br>location should not exceed 110 °C. |
|                                   | Storage temperature range                | -40°C - +85°C                                           |                                                                                                                         |
|                                   | Relative humidity                        | 10% - 95%                                               |                                                                                                                         |
|                                   | Surge transient protection               | 1 kV                                                    | L/N                                                                                                                     |
|                                   | Environmental rating                     | Indoor                                                  |                                                                                                                         |
|                                   | IP rating                                | IP20                                                    |                                                                                                                         |
|                                   | Mains switching cycles                   | > 100,000                                               |                                                                                                                         |
|                                   | Expected lifetime                        | > 50,000 h, t <sub>c</sub> 85 °C @ t <sub>a</sub> 50 °C | 0.2 % / 1,000 h failure rate                                                                                            |
|                                   |                                          | > 100000 h, t <sub>c</sub> 75 °C @ t <sub>a</sub> 40 °C | 0.1 % / 1,000 h failure rate                                                                                            |
| Packing                           | Gross weight/box                         | 14.6 kg                                                 |                                                                                                                         |
|                                   | Net weight/box                           | 13.5 kg                                                 |                                                                                                                         |
|                                   | Pcs/box                                  | 180 PCS                                                 |                                                                                                                         |
|                                   | Dimension/box                            | 385(L)*310(W)*260(H)mm                                  |                                                                                                                         |
| <b>Protections</b>                |                                          |                                                         |                                                                                                                         |
|                                   | Short-circuit Protection                 | Auto recovery                                           |                                                                                                                         |
|                                   | Open-circuit Protection                  | Auto recovery                                           |                                                                                                                         |
|                                   | Overload Protection                      | Auto recovery                                           |                                                                                                                         |
| <b>Conformity &amp; Standards</b> |                                          |                                                         |                                                                                                                         |
| 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          |                                                                                                                         |

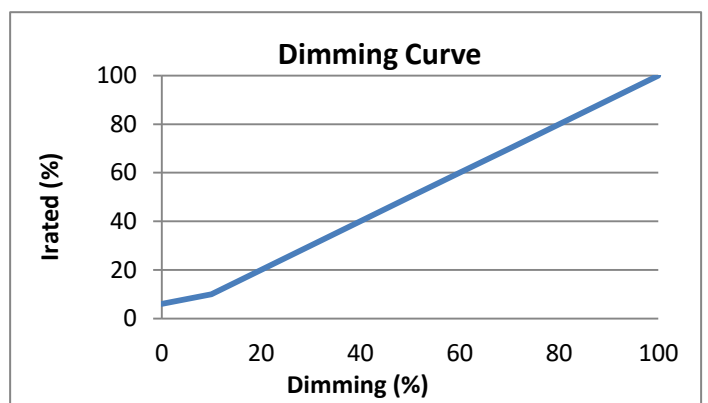
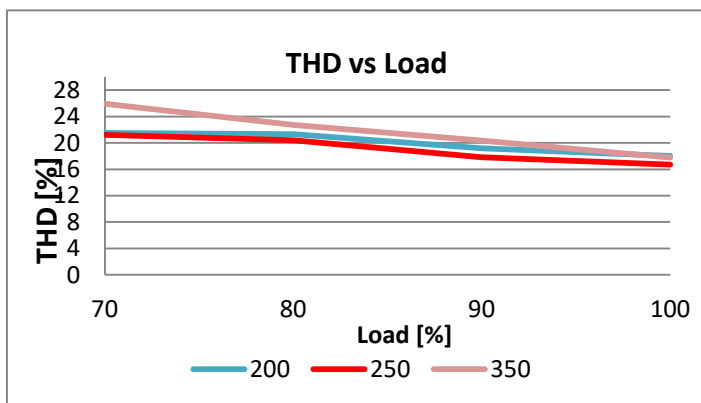
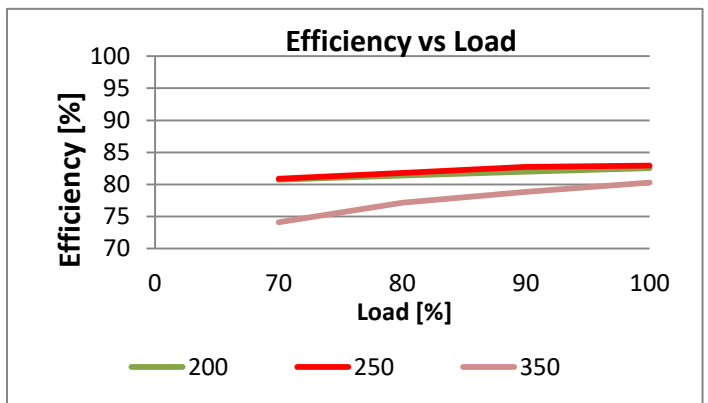
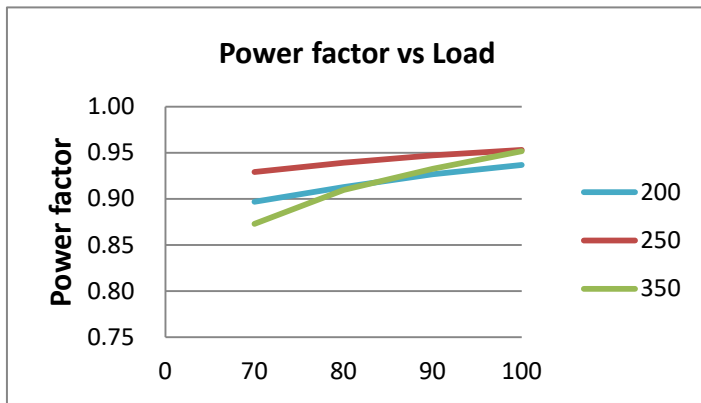
| Cable information     |       |       |
|-----------------------|-------|-------|
| <b>PRI</b> Connection | L     | N     |
| Color                 | Brown | Blue  |
| Wire type             | 7022  | 7022  |
| Wire diameter         | AWG20 | AWG20 |
| Wire length           | 140mm | 140mm |
| Stripping             | 6mm   | 6mm   |
| Tolerance             | ±5mm  | ±5mm  |
|                       |       |       |
| <b>SEC</b> Connection | +     | -     |
| Color                 | Red   | Black |
| Wire type             | 3385  | 3385  |
| Wire diameter         | AWG22 | AWG22 |
| Wire length           | 139mm | 139mm |
| Stripping             | 6mm   | 6mm   |
| Tolerance             | ±5mm  | ±5mm  |

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

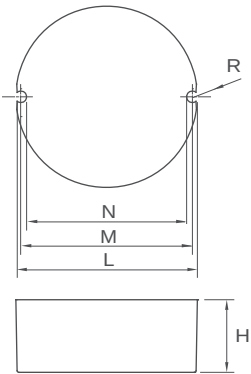
\* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

#### Trailing Edge Dimmer list approved by HEP

| Manufacturer     | Model                   | Q'ty of parallelconnection |
|------------------|-------------------------|----------------------------|
| Philips          | SED-200A                | 13                         |
| Merten/Schneider | SBD315RC                | 20                         |
| Etman            | ETM327                  | 20                         |
| Etman            | ETM329                  | 20                         |
| Busch            | 6523 UR-103             | 24                         |
| Busch            | 6523 U-102              | 7                          |
| Niko             | 310-0190X               | 15                         |
| JUNG             | LB-Management           | 10                         |
| Merten           | SBD200LED(MEG5134-0000) | 13                         |
| AU               | P3                      | 18                         |
| CASAMBI          | CBU-TED                 | 6                          |

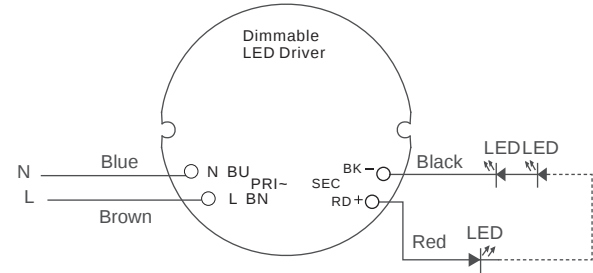


Physical  
Parameter



L : 48 mm    M : 46.7 mm    N : 43.5 mm  
H : 25 mm    R : 1.6 mm  
Tolerance : +/-1 mm , R : +/-0.5 mm  
Housing Material : Polycarbonate / Potting  
Soldering : Lead-Free, Comply With RoHS  
Label : Surface Print

Wiring Diagram



TC location (Bottom)

