



Approval Marks

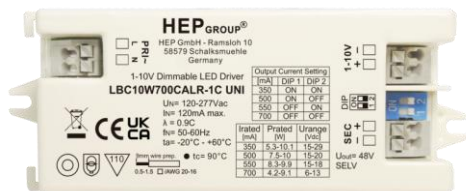


| Item | Value | Remark | |
|---------------------------------|---|--|--|
| Nominal voltage | 120 - 277 V | | |
| Nominal frequency | 50 - 60 Hz | | |
| AC voltage range | 108 - 305 V | | |
| DC voltage range (start) | NA | | |
| DC voltage range (operation) | NA | | |
| Nominal current | 120 mA | | |
| Total Harmonic Distortion (THD) | < 20 % | Full load @120/230VAC | |
| Power factor | 0.9 C | Full load @120/230VAC | |
| Displacement factor | 0.9 C | Full load @120/230VAC | |
| Efficiency | | Full load @120/230VAC | |
| Input | 350mA | 84 % (Typ.) | |
| | 500mA | 82 % (Typ.) | |
| | 550mA | 81 % (Typ.) | |
| | 700mA | 77 % (Typ.) | |
| | No-load power | NA | |
| Stand-by power | NA | | |
| Networked standby power | NA | | |
| Protection class | NA | | |
| Inrush current | 15 A / 30 us | Full load @230VAC | |
| Max.units per circuit breaker | Type B , 10A MCB | 33 | |
| | Type B , 16A MCB | 53 | |
| | Type C , 10A MCB | 42 | |
| | Type C , 16A MCB | 67 | |
| Earth leakage current | NA | | |
| Nominal voltage range | 6 - 29 Vdc | | |
| Maximum voltage | 48 Vdc | | |
| Nominal current range | 350 - 700 mA | Adjusted via Dip switch Factory default 700mA | |
| Current accuracy | ± 5 % | Full load @120/230VAC | |
| Output | Typical output LF current ripple | ± 5 % | Low Frequency< 120Hz Full load @230VAC |
| | SVM | ≦ 0.4 | Full load @120/230VAC |
| | P _{stLM} | ≦ 1 | Full load @120/230VAC |
| | Starting time | < 0.5 S | Full load @120/230VAC |
| | Nominal power range | 4.2 - 10.1 W | |
| | Maximum power | 10.1 W | |
| | Color tuning range | NA | |
| Dimming | Dimming control | 1-10V | |
| | Dimming range | 1-100% | 1-10V |
| | Lowest dimming current | 0.5-1.5% | |
| | Dimming technique | Amplitude | |
| | PWM frequency | NA | |
| Galvanic isolation | Basic insulated to PRI and supplementary insulated to SEC | | |
| Environment | Ambient temperature range t _a | - 20 °C - + 60 °C | |
| | Maximum case temperature t _c | 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 - + 85 °C | |
| | Relative humidity | 10 % - 95 % | |
| Surge transient protection | 1 kV | L/N | |

| Item | Value | Remark |
|-----------------------------------|---|--------------------------------|
| Environment | Environmental rating | Indoor |
| | IP rating | IP20 |
| | Mains switching cycles | > 100,000 |
| | Expected lifetime | |
| Full load 10.1W | > 50,000 h, tc 90 °C @ ta 60 °C | 0.2 % / 1,000 h failure rate |
| Packing | Gross weight/box | 15.3 kg |
| | Net weight/box | 14.1 kg |
| | Pcs/box | 120 PCS |
| | Dimension/box | 490 (L) * 270 (W) * 225 (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 | | |
| Cable cross-section | 0.5 - 1.5 <input type="checkbox"/> / AWG 20 - 16 | |
| Stripping | 9 mm | |
| Pull test cable type | H03VV(H2)-F 2x0,75-1.0 mm ² H05VV(H2)-F 2x0,75 mm ² | |
| SEC Connection | | |
| Cable cross-section | 0.5 - 1.5 <input type="checkbox"/> / AWG 20 - 16 | |
| Stripping | 9 mm | |
| 1-10V Connection | | |
| Cable cross-section | 0.5 - 1.5 <input type="checkbox"/> / AWG 20 - 16 | |
| Stripping | 9 mm | |
| Terminal | PRI- | Push button/Angled Entry |
| | SEC- | Push button/Angled Entry |
| | 1-10V- | Push button/Angled Entry |

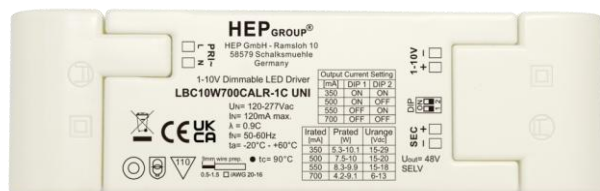
Subject to change without notice, HEP guarantees all products perform functionally well

* If not mentioned, all the test conditions are based on full load at 120/230VAC input (for 120-277 VAC input).



Built-in type

Order number: LBC10W700CALR-1C UNI

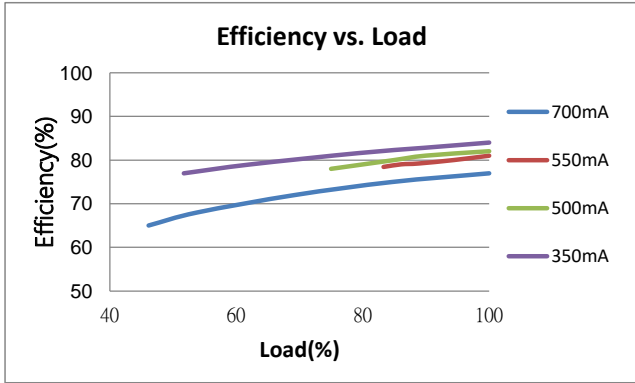
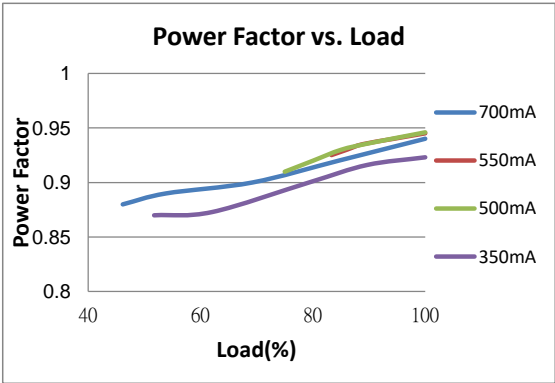
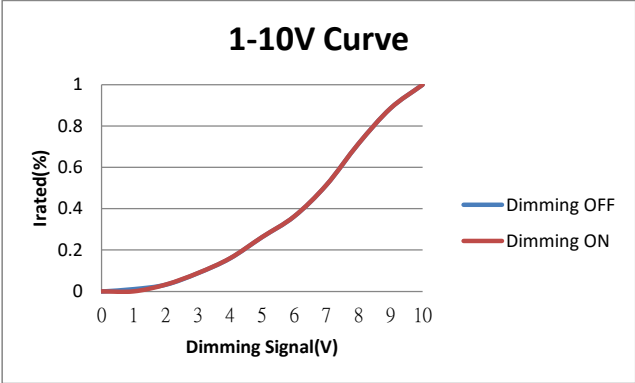
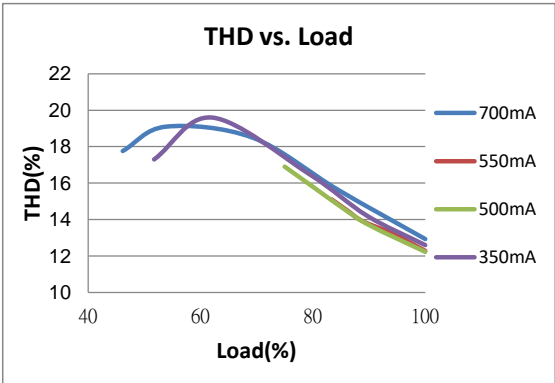


Independent type

Order number: LBC10W700CALR-1CZ UNI

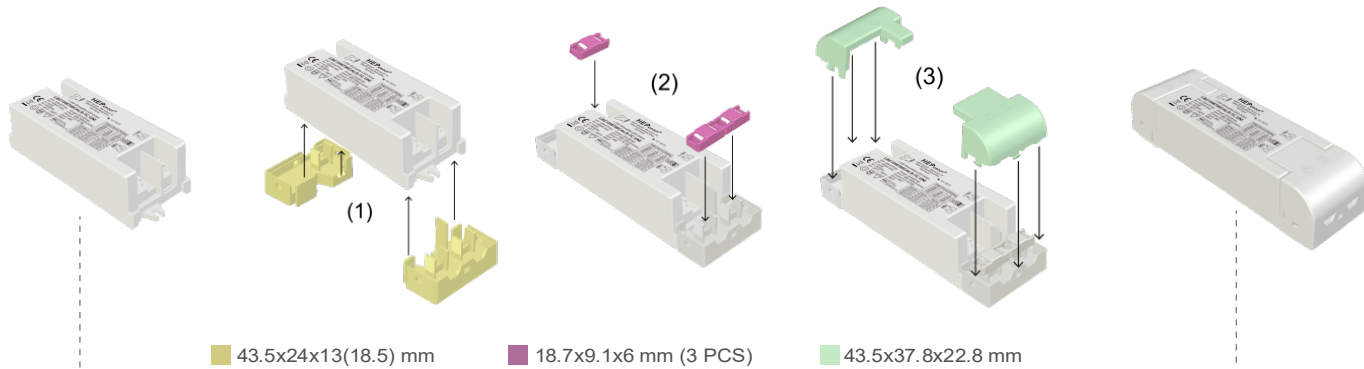
Electrical Values

| Output Current (mA) | Output Voltage Range (V) | Output Power Range (W) |
|---------------------|--------------------------|------------------------|
| 700 | 6-13 | 4.2-9.1 |
| 550 | 15-18 | 8.3-9.9 |
| 500 | 15-20 | 7.5-10.0 |
| 350 | 15-29 | 5.3-10.1 |

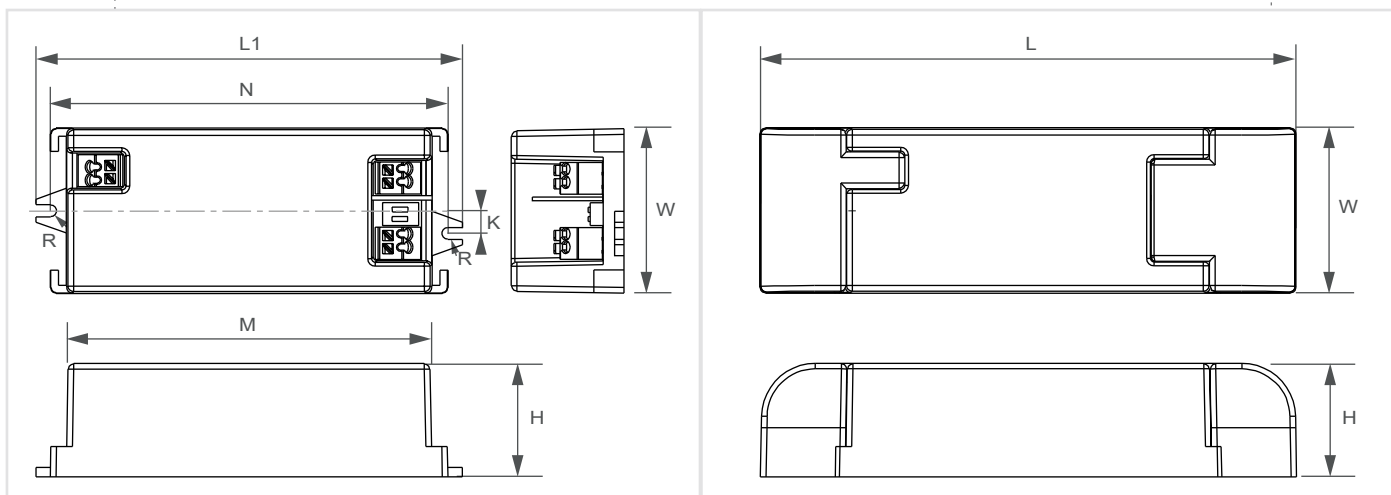


Physical
Parameter

▼ By adding side covers the built-in type simply easy as an independent unit.



■ 43.5x24x13(18.5) mm ■ 18.7x9.1x6 mm (3 PCS) ■ 43.5x37.8x22.8 mm



| | | | |
|-----|----------|-----|----------|
| L : | 141.8 mm | L1: | 112.8 mm |
| W : | 43.8 mm | K : | 6.0 mm |
| H : | 30 mm | M : | 96.8 mm |
| R : | 1.6 mm | N : | 105.2 mm |

Tolerance : +/-1 mm , R : +/-0.5 mm
 Housing Material : Polycarbonate
 Soldering : Lead-Free, Comply With RoHS
 Label : Surface Print

Dip Switch - One driver offers 4 choosable output current



| Current | Dip-switch setting | |
|---------|--------------------|----|
| | 1 | 2 |
| 350mA | ON | ON |
| 500mA | ON | - |
| 550mA | - | ON |
| 700mA | - | - |

WiringDiagram

