

# 12W Constant Current LED Driver

pro-ELEC



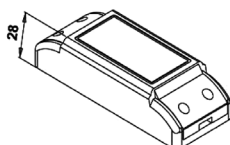
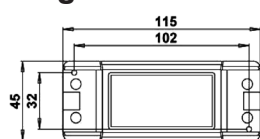
## Features

- Constant current driver
- Independent compact design
- Protection : short circuit /OLP/OVP
- Meet EMC standards
- 100% full load burn-in test
- High efficiency, long life and high reliability
- Suitable for LED lighting

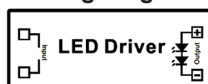
## Specifications

|                 |                                 |                      |
|-----------------|---------------------------------|----------------------|
| Input           | Voltage Range                   | : 100V AC to 240V AC |
|                 | Frequency Range                 | : 50/60Hz            |
|                 | AC Current                      | : 0.08mA @ 230V      |
|                 | Power Factor                    | : >0.9pF             |
|                 | T H D (%)                       | : <20% (Full load)   |
| Output          | Output Voltage Range            | : 24V DC to 40V DC   |
|                 | Rated Current Range             | : 350mA              |
|                 | Rated Power Max                 | : 12W                |
|                 | Numbers of LEDs                 | : 8 to 12 × 1W       |
|                 | Efficiency                      | : >85% (Full Load)   |
| Environment     | No Load Output Voltage          | : <60V DC            |
|                 | Short Circuit Power Consumption | : <2W                |
|                 | Ambient Temp.                   | : -10°C to +50°C     |
| Safety Approval | Casing Temperature              | : +80°C              |
|                 | IP grade                        | : IP20               |
| Safety Approval | Safety Standards                | : CE                 |

## Diagram



### Wiring Diagram



### Notes:

1. Lamps must be wired in series, and total value of  $V_F$  should be under rated DC Voltage.
2. Disconnect the mains supply before installing. Do not turn on/off from output port.
3. Parameter measured at full load 25°C ambient temperature.

Dimensions : Millimetres

### Part Number Table

| Description                     | Part Number  |
|---------------------------------|--------------|
| 12W Constant Current LED Driver | GDE-12C035Z2 |

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