

**17Watt DIMMABLE LED DRIVER**  
**220-240VAC / 24VDC, 700mA**  
**Constant Current**  
**Switch Mode Power Supply**



Part No. DLD24700

**Introduction**

This electronic LED Driver is a compact, constant current power supply which is internally stabilized with high quality electronics. This unit has been specially developed to operate the Ecolume DL90 series Downlights with a Clipsal Trailing Edge Dimmer.

**Electrical Characteristics**

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| Primary rated input voltage | 240Vac +/-10% 50Hz                                                  |
| Rated input Current         | < 100mA                                                             |
| Standby power               | < 0. 3W                                                             |
| Power Factor                | >0.9 (without dimmer)                                               |
| Input Fuse Protection       | Fuse glass Slow blow 250V 2A                                        |
| LED driving voltage         | 12V ~ 24Vdc (4 ~ 6 LEDs)                                            |
| Output current              | 700mA +/-5% (without dimmer)                                        |
| Output voltage ripple       | <1.5V @ 240Vac input (without dimmer)                               |
| Efficiency                  | >78% @ 240Vac input (without dimmer)                                |
| Start up delay              | <1S @ 240Vac input & full load<br><3S @ 240Vac input & minimum load |
| Hold up time                | >10mS @ 240Vac input & full load                                    |
| Insulation Resistance       | >50M ohm @500Vdc                                                    |
| Di-electrical Strength      | 3KVac for 60 second Leakage <5mA                                    |

**Protection**

|                          |                                             |
|--------------------------|---------------------------------------------|
| Short Circuit Protection | Hiccup (auto-restart after SC removed)      |
| Over Load Protection     | Current limited to $I_o < 700\text{mA rms}$ |
| Over shoot Protection    | Not over 10% output voltage                 |

**Environment**

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Operating Temperature | -10°C to +50°C                                  |
| Storage Temperature   | -25°C to +85°C                                  |
| Cooling               | Convection only                                 |
| Relative Humidity     | 5% to 95% (non-condensing)                      |
| MTBF                  | >350,000Hrs @ 25°C (MIL217F parts count method) |
| Case Size             | 144x33x50mm (LxHxW)                             |
| Unit weight           | 130gms                                          |

**Approvals**

|        |                                                                  |
|--------|------------------------------------------------------------------|
| Safety | Certified to AS/NZS61347-1, EN61347-1, IEC61347.2.13, IEC61347-1 |
| EMC    | Meets requirements of EN61000.3.2, EN55015, EN61547              |

**Features**

- Dimmable with Clipsal trailing edge dimmer
- Constant current output
- Large, protected terminals
- Rugged and easy to handle
- Lightweight
- Low power supply losses
- Mounting Lugs
- 3 Year warranty



**Soanar**

Level 1, 39 Hewish Road, Croydon Victoria 3136  
Ph. Toll Free - AUS: **1300 762 627**  
- NZ: **0508 765 956**  
Web: [www.soanar.com](http://www.soanar.com)