

# Alva-DL350 LED Electronic Driver

## 350mA Constant Current Output



### Description

The Alva-DL350 Constant Current Output drivers provide the 350mA constant DC current output required to enhance the long life and optimum operation of high brightness LEDs.

The Alva-DL350 is included in the Alva family, which covers all high power LED drivers.

*The Alva family have Alva-ADH20, Alva-AH350, Alva-AH700, Alva-ADL350A, Alva-DL350A and other customized CCDs such as Alva-AH1050 and Alva-AH1400.*

### Features

- Small/Compact size
- DC constant current output
- Power Efficiency
- Reliability
- Short and open circuit protected
- Fully isolated output
- Can be integrated into any LED lighting system
- Compliant with all colours of standard and custom high power light sources

### Benefits

- Light weight
- Enhance the value of your products
- Provides flexibility to designers
- Support all LEDs
- It is a hazard free product
- It can be integrated in practically any LED lighting system
- Facilitates new fixture design
- Facilitates low profile fixture design
- No binning of LEDs results in cost savings
- Allows use in any indoor and outdoor applications
- Drivers last as long as LEDs
- Optimisation of the usage of the system power

### Typical Applications

- Reading lights (Desk, Car, bus)
- Torch (Flash light)
- MR-16
- Portable (Car, bicycle, Motorcycle)
- Architectural lighting
- Garden lighting
- Marker & Orientation lights
- Reading lamps
- Cove lighting
- Cornice lighting
- Landscape lighting
- Refrigeration
- Vending machine lighting
- Wall sconces
- Under-cabinet lighting
- Spots Lights
- Signalling
- Fibre Optic systems
- Point of Sale
- Signage

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### Selection Guide

Part Number	Description
Alva-DL350	3.7-17VDC/5W/350mA Alva LED Driver

Note:

1. The number of LEDs illuminated per driver depends on the driver input voltage ( $V_{in}$ ). The driver input voltage must be greater than or equal to the sum of the LED's maximum forward voltage rating + 1.5. ( $V_{in} = V_{out} + 1.5$ ) Do not exceed the Output Voltage Maximum.
2. The output power is typically 5W but may exceed 5W conditionally. (Contact our engineer for the detail)

### Electrical characteristics

#### Input

Parameter	Min	Max
Input Voltage Range	3.7Vdc	17Vdc
Efficiency		Typical 80%-85%

#### Output

Parameter	Min	Max
Output Current	350mA $\pm$ 10%	
Output Voltage Range	2.2Vdc	15.5Vdc

Notes:

1. Electrical characteristics at 25 ambient temperature.

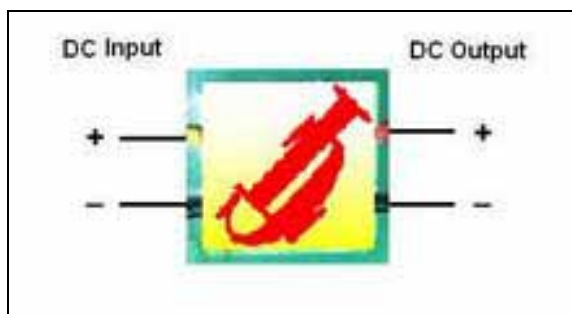
### Environmental Ratings

Parameter	Min	Max
Operating Ambient Temperature	-10	60
Storage Ambient Temperature	-20	80

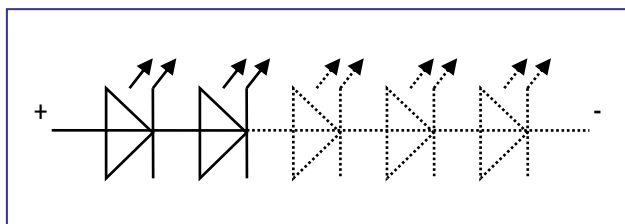
### Driver wiring Diagram

Dimension : 15 mm (L) x 15mm (W)

Note: the dimension, shape and layout can be customized in order to fit your mechanical design.



Configuration arrays when using LEDs with Alva Drivers:  
With the 350mA Output Current Alva:



To drive at 350mA/LED: from 1 to 5 LEDs in series

Notes:

1. The number of LEDs in series depends on the forward voltage,  $V_f$ , of the LEDs, and may be more than 5 LEDs in series conditionally. (Contact our engineer for the detail)
2. The R, G, B and other colour LEDs can be mixed in series.

**Important:** Please contact our engineer to ensure installation and maintenance are properly executed to obtain maximum performance, efficiency and durability from the LED lighting product.

**Disclaimer:** While every care has been taken with the details on this specification sheet, we accept no responsibility for any inaccuracies and reserves the right to change these specifications without notice to always ensure that you are receiving a superior product.

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