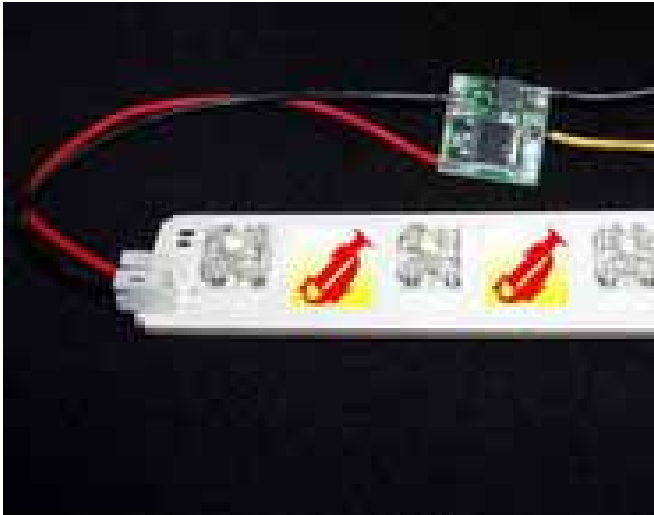


Alva-ADH20 LED Electronic Driver

20mA Constant Current Output



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

Description

The Alva-ADH20 Constant Current Output drivers provide the 20mA constant DC current output required to enhance the long life and optimum operation of high brightness LEDs.

The Alva-ADH20 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
- Fully isolated output
- Can be integrated into any LED lighting system
- Compliant with all colours of standard and custom high power light sources

Typical Applications

- Reading lights (Desk, Car, bus)
- Torch (Flash light)
- MR-16
- Portable (Car, bicycle, Motorcycle)
- Architectural lighting
- Garden lighting
- Garden lighting with solar system
- Marker & Orientation lights
- 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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Alva-ADH20 LED Electronic Driver

20mA Constant Current Output

Selection Guide

Part Number	Description
Alva-DL350A	8 ~ 264VAC or 9 ~ 380VDC /20mA Alva LED Driver.

Note:

1. The number of LEDs illuminated per driver depends on the driver input voltage (V_{in}). (Contact our engineer for the detail)
2. Input voltage range: 9Vdc V_{in} 80Vdc+Vout.
(9Vdc V_{in} -Vout 80Vdc)

Electrical characteristics

Input

Parameter	Min	Max
Input Voltage Range(AC)	8Vac	264Vac
Input Voltage Range(DC)	9Vdc	380Vdc *1
Efficiency	Typical 75%~85%	

Output

Parameter	Min	Max
Output Current	20mA+/-5%	
Output Voltage Range	2.8Vdc	48Vdc

Notes:

1. Electrical characteristics at 25 ambient temperature.

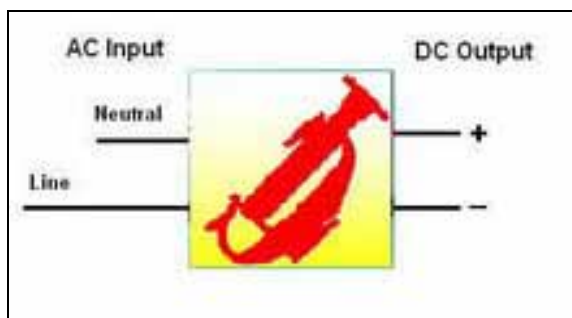
Environmental Ratings

Parameter	Min	Max
Operating Ambient Temperature	-40	125
Storage Ambient Temperature	-55	150

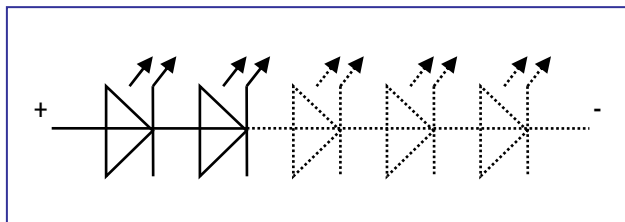
Driver wiring Diagram

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 20mA Output Current Alva:



To drive at 20mA/LED: from 1 to 30 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 30 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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