



Vanguards Power
(Hong Kong) Limited

LEDSava®

Instructions & Specification

Thank you for your purchase of the LEDSAVA®. Please read the instructions and safety notes below and keep this Instruction leaflet safe for future reference. For further information please contact Customer Support at:

Vanguards Power(Hong Kong) Limited, 1508 Eastern Tower, Yihai Square, Commercial Building, North Chuang Ye Road, Nanshan, Shenzhen.518054, China. Telephone: 0086 755 2664 7764

Product Features:

The VP Mains Variable LED Dimmer Control System (VLDCS14) is a self contained power supply and driver for any type of LED light unit up to a maximum power of 14 Watts (LED Load).

This self contained unit can be connected to most off-the-shelf dimmer boxes to enable any single of connected group of LED or down-lighter lighting units to be powered and dimmed.

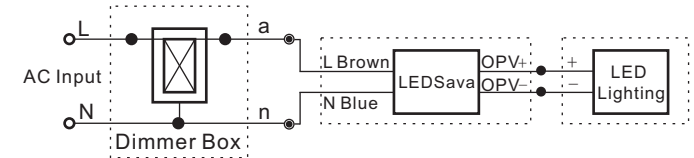
Safety:

1. There are no parts of this product that can be serviced. Please do not try to disassemble this LEDSAVA® as there is a high risk of personal injury or possibly death from electrocution.
2. Only use this LEDSAVA® in dry conditions and inside a building.
3. The LEDSAVA® must only be installed by a qualified electrician.

Specification:

AC input voltage:	200-250V/50Hz (VLDCS14-230) 100-140V/60Hz (VLDCS14-120)
Output voltage on LED:	10V to 23VDC
Output current on LED:	500mA to 650mADC
Output power:	14W maximum
Dimming range:	0-100%
Protection:	over voltage protection, over current protection, over temperature protection
Efficiency:	70 %-78% at tabm= 25°C
Power Factor:	≥0.85
Dimming range:	100% 0%
Operating temperature:	-20 to 50 °C
Multiple driver support:	Ability to attach multiple LED Dimmer Control Systems to a single dimmer, subject to custom build & dimmer box rated size.

Wiring diagram:



Wiring Instructions:

1. Turn power OFF at circuit breaker or remove fuse.
2. Connect LED lighting to LEDSAVA output. Positive to Positive, negative to negative.
3. Connect LEDSAVA input wire to Dimmer box output.
4. Turn power ON at circuit breaker or add fuse.

Note:

1. The VLDCS14 is available for 3 to 7 LED pieces of 700mA each in series; or 2 groups of 3 to 7 LED pieces of 350mA each in series, connected together in parallel.
2. LEDSAVA are generally ordered and built to customer provided LED Specifications and number of LED units connected.

Mounting:

LEDSAVA has 2 mounting holes for customer to fix unit either on Lighting housing, heat-sink or mounting on the wall.

Declaration of Conformity:

The Manufacturer of the Products covered by this Declaration is:

Vanguards Power(Hong Kong) Limited
1508 Eastern Tower, Yihai Square,
Commercial Building
North Chuang Ye Road, Nanshan, Shenzhen.518054,
China

Company Registered in Hong Kong Number: 1125122

The Directives covered by this Declaration:

EMC Directive 2004/108/EC and the LVD 2006/95/EC

The Product Covered by this Declaration is the LEDSava®

The Basis on which Conformity is being declared:

EMC: EN55015, EN61000-3-2, EN61000-3-3, EN61547

LVD: EN 61347-1, EN 61347-2-13

The manufacturer hereby declares under his sole responsibility that the products identified above comply with the protection requirements of the EMC directive and with the principal elements of the safety objectives, and that the standards have been applied.

The technical documentation required to demonstrate that the products meet the above requirements has been compiled and is available for inspection by the relevant enforcement authorities. The CE mark was first applied in August 2009.

Warranty Terms & Conditions:

These terms and conditions do not affect your statutory rights.

1. Please check the LEDSava® package and contents as soon as possible. If the LEDSava® or any other item included in the package is damaged or faulty, you must inform your supplier immediately or at the latest within 7 (seven) days of the date of purchase. If the supplier you purchased it from does not offer an exchange and/ or replacement service, we will arrange collection and replacement at our cost. If you do not inform us within 7 days we shall have no liability for the LEDSava® said to be damaged/items missing at time of purchase.
2. Vanguards Power(Hong Kong) Limited guarantee that the LEDSava® will be free from defects for 12 (Twelve) months from the date of purchase. If LEDSava® does not conform to this Warranty then we will at our option either remedy the defect in question or replace the LEDSava® or refund the price paid, subject to sight of the original receipt from the supplier where it was purchased.
3. The first 12 (twelve) months of Warranty cover parts and labour. The warranty period commences on the day of purchase. Any repairs or parts supplied or other work carried out which are found to be outside the terms of this warranty will be charged purchaser, and will be payable at the point of service. If no fault is found or the fault is outside the scope of the warranty then a possible charge for labour and transportation may be made.
4. The purchaser must ensure the environmental and power supply conditions are suitable for the LEDSava® and that the LEDSava® is cared for and maintained in accordance with the recommendations stated in this LEDSava®.The purchaser must ensure the environmental and power supply conditions are suitable for the LEDSava® and that the LEDSava® is cared for and maintained in accordance with the recommendations stated in this LEDSava Instructions and Specification.

5. To return goods please contact Customer Support on the number given in LEDSava Instructions and Specification.

Exclusions to the Warranty:

6. Breakdowns or failures arising from any external influences such as misuse, neglect, excessive wear to the equipment and other external influences such as, but not limited to poor environmental conditions.
7. Purchaser's consequential loss or liability of any kind.
8. We do not accept liability for returns damaged in transit or not received by us.
9. Every care has been taken in the preparation of all and any details or statement made in this LEDSava® Instructions and Specification and the LEDSava® packaging. However, as far as is permitted by applicable law, we disclaim all warranties, express or implied as to the accuracy of information contained herein.

