

Safety

Do not cover the ground contact.
 Do not place any material over the lens or LED diode/chip.
 Do not insert objects into the luminaire.
 Do not clean using any solvent based abrasive or aggressive product.
 Do not pull any cables connected to the product.
 Do not direct the luminaire into a persons eyes, as this unit may have an intense light output, which if incorrectly used may cause eye damage.
 Light engines/LED'S and other light sources may heat up, please take care when handling the products.
 The manufacturer will not be deemed liable or held responsible for any damages caused by faults or manufacturing defects that may be present in any of its products or the misuse or incorrect installation of this device. Please refer to our trouble shooting guide for further information.
 The manufacturer will not be held liable for any death(s) or injuries caused by misuse or poor installation or any unreported faults of this product version or versions thereof.
 LED's are sensitive to electrostatic discharge. Do not touch the surface of the LED module.
 Do not connect to a temporary electricity supply, this may damage the electronics.
 Light fittings with an integrated emergency option are with a separate installation and wiring leaflet. Please refer to this manual for further details. If the manual is unavailable please contact an ALL LED representative for assistance.



INSTALLATION GUIDE & USER MANUAL ASCDIM/1-10 RANGE



WARNING

ENSURE POWER SUPPLY IS OFF WHEN HANDLING ANY ELECTRICAL EQUIPMENT

This product may need to be installed by a qualified electrical installer. Please read this guide in its entirety to fully understand the products before attempting any install. All electrical work should be completed in accordance with the latest IET regulations, and/or any other relevant rules, regulations or laws of the country in which it is being installed. The item must be installed in isolation from any insulating material and is adequately ventilated to prevent premature failure. Ensure power supply is isolated prior to installation, maintenance or performing any other form of electrical work. In the event of incorrect or improper function with specific regard to any of ALL LED's products and contact ALL LED for further advice.

Returns & Faulty Items

If any problem is encountered during or after installation, please call ALL LED technical department to get the problem resolved ASAP.
 Please do not just return the item to the outlet you purchased it from, as you are only entitled to a replacement or refund after the unit has undergone testing and the unit has been confirmed as having a manufacturing defect/fault. Your statutory rights are not affected.
 The manufacturer will not be deemed liable or held responsible for any damages caused by faults or manufacturing defects that may be present in any of its products or the misuse or incorrect installation of this device. Please refer to our trouble shooting guide for further information.
 All goods are supplied under the terms and conditions of ALL LED LTD, a copy of which may be obtained upon written request.

Technical Specifications

Product Code	ASCDIM/1-10			
Operating Output Wattage	VOLTAGE (DC)	12V	24V	36V
	MAX WATTAGE (W)	4 x 60W	4 x 120W	4 x 180W
Number of Channels	4 (Common Anode)			
Operating Voltage	12-36V DC CONSTANT VOLTAGE			
Output Current	4 x 5A			
Ambient Operating Temp	-10°C ~ 50°C			
Ingress Protection	IP20			
Dimming Type	1-10V SIGNAL			

Notes

This item should be used in conjunction with a regulated constant voltage LED power supply with an output range between 12-36VDC
 This item is designed to function using any 1-10V control system and offers a wide range of compatibility with many products. Please do not try to dim this unit by any other means.
 Do not overload this product, as it may cause damage to the item. Electronics are sensitive and any sudden or incorrect voltage or overvoltage may damage the components inside.
 This product is designed to run a maximum of 5A per channel. If the current draw per channel exceeds 5A, please connect using the 'common anode' method as shown in the wiring diagram above.
 If there is a slight buzzing noise coming from the product, please do not be alarmed as it is normal. If there is a large current draw and the unit is heavily buzzing, please connect the item using the 'common anode' method.
 Should you encounter any difficulties with this product, please contact the ALL LED technical team.



Environmental Protection
 Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice



This product supplied with a limited 3 year guarantee, subject to terms and conditions. The manufacturer will not be deemed liable or held responsible for any damages caused by faults or manufacturing defects that may be present in any of its products or the misuse or incorrect installation of this device. Your statutory rights are not affected.

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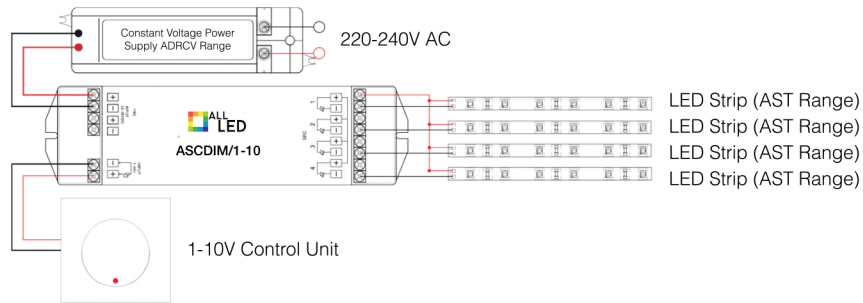


Installation Instructions

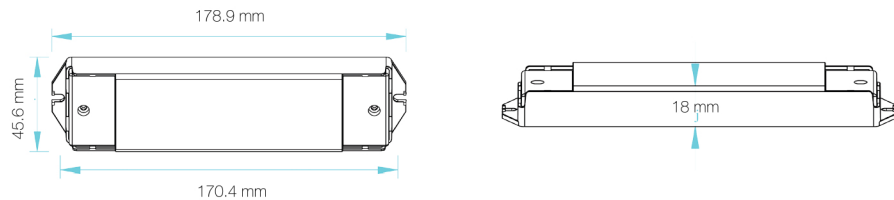
1. Wire the item in as shown in the wiring diagram above and double check the installation.
2. Provide power to the circuit.
3. Test the item by using the associated functions that the dimming unit provides. These are; ON/OFF, DIMMING.



Wiring Diagram



Dimensions



Trouble Shooting Guide

PROBLEM	CAUSE(S)	SOLUTION(S)
No Light Output From LED's	No power to drive components.	A qualified installer/electrician should check the Primary voltage side of the product to check the input voltage.
	Loose connection on circuit	Ensure continuous and correct connection between terminals.
	Check Polarity.	Check the black and red cables on the circuit, + and - respectively are correctly connected to the correct terminals.
	No output from the driver.	Driver may be faulty and require replacement.
	Overvoltage may have caused damage to the sensitive components.	These cases are rare and the item may need replacement and/or investigation as to the cause of failure.
	Product not dimming or turning on and off.	Check overall installation. Check the 1-10V dimmer is functioning properly. Check the power source.
	Product turns on and off but wont dim.	Check wiring on 1-10V/ signal side of the wiring loom.
LED's Flashing	Incorrect driver being used for the product.	Please only use drivers designed for this product. Failure to do so will void the warranty.
	LED driver may be connected to a mains dimmer switch.	Please remove the dimmer switch and wire the unit according to the wiring diagram on the opposite page, removing any mains dimmers or incompatible dimming on the primary side. Use of this product on a dimmer will void the warranty.
	Loose connection on circuit.	Ensure continuous and correct connection between the terminals.



ATTENTION

IF ANY PROBLEMS PERSIST, PLEASE CALL THE ALL LED TECHNICAL DEPARTMENT FOR FURTHER ASSISTANCE.