

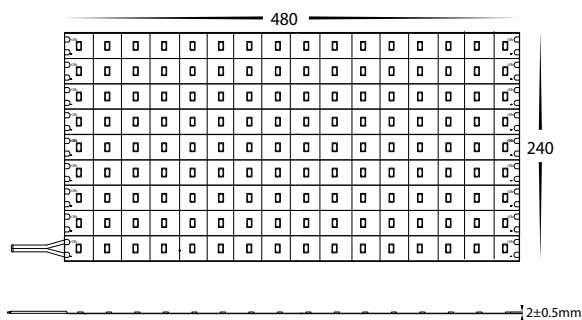
LED SHEETS INSTALLATION INSTRUCTIONS



PRODUCT SPECIFICATIONS

INPUT VOLTAGE	24V DC
WIRING	PARALLEL
MOUNTING	ALUMINIUM PANEL
MAXIMUM LENGTH	REFER TO DRIVER MAX LOAD
REQUIREMENTS	24V DC LED DRIVER
DIMMING	0-1/10V, DALI, DMX, RF, WIFI
OPERATING TEMP.	UP TO 65° CELCIUS
AMBIENT TEMP.	-20° TO 50° CELCIUS
MAXIMUM RUNNING TIME	12HRS PER DAY- See Warranty T&C's for full Terms & Conditions
CRI	RA >90
BEAM ANGLE	120°
IP RATING	IP20
WARRANTY	5 YEARS REPLACEMENT* See Warranty T&C's for full Terms & Conditions

DIMENSIONS



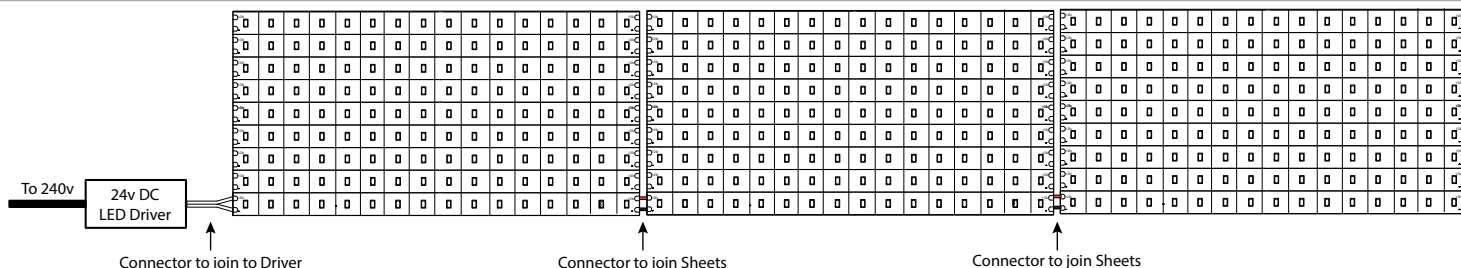
PRODUCT MAINTENANCE AND PRECAUTIONS

- LED strips installation must be installed by qualified personnel.
- LED strip must be tested and photographed on before installation for warranty validation.
- For cutting LED strip, it is necessary to use the standard accessories provided by Havit Commercial (e.g. DC wire, end-cap, front-cap, adhesive, etc.), and according to the correct cutting and connecting methods for the installation.
- LED strip cannot be installed in areas where water hazards might be formed, such as the surface of pits and ditches. And similar places in which rain and water may be accumulated easily.
- LED Strip must be installed on aluminium surface including heat sink or profile, Aluminium sheets can also be used but must be 3mm or greater in thickness to comply with warranty.
- Do not strongly pull on the LED strips during installation process. And avoid squeezing and scratching LED strips with sharp objects.
- LED Strip must be operated within the correct ambient and operating temperature ranges specified on the product data sheets and also in table on this document.
- For correct connection of the product, each length of LED strip must be connected to the main power source.
- Do not bend LED Strip below 60mm in diameter, Bending below this diameter will cause strip to break and will void warranty.
- LED Driver should retain 20% of total load to make sure LED Strip has the full potential to work correctly.
- Voltage supplied to LED Strip must be with 5% of required voltage LED Strip requires to work correctly
- Must guarantee that each power source (GND) must be connected.
- Pay attention to the power cable during the installment process, Installer must not connect LED Strip incorrectly to LED Driver by making sure polarity is correct and output voltage of LED Driver is same as LED Strip, Incorrect installation may cause damage to LED Strip and warranty will be voided.
- Electro-static bands must be worn during installation to avoid any electricity being transferred to LED Strip and causing failure.
- During the warranty period, only defective products are acceptable to be replaced by Havit Commercial. Havit Commercial is not responsible for other expenses because of replacement, such as transportation fee, installation fee, etc.

STEPS FOR INTALLATION

- Make sure that the electrical circuit is free of voltage (master switch off)
- Remove back from LED Sheet and apply to aluminium panel
- If using multiple LED Sheets, Repeat Step 2 and position LED Sheet next to 1st one installed making sure connectors are positioned inline to allow connector to be installed
- Connect the 2 LED Sheets by using the connectors provided in bag.
- Repeat these steps until max load of LED driver is reached
- For last LED Sheet installed, If cutting is required, Make sure to only cut along lines marked on LED Sheet
- Attach connector to 1st LED Sheets to allow connection to LED Driver
- Use an appropriate 24v DC LED Driver - DO NOT CONNECT LED SHEET DIRECTLY TO 240V
- Strip back cable on Connector on 1st LED Sheed
- Connect Cables to LED Driver making sure polarity is correct
- All connections must be carried out carefully, inspect all contacts before switching back on the electric circuit.

SAMPLE WIRING DIAGRAM



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Warranty Terms & Conditions



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