

**PLEASE READ INSTRUCTIONS CAREFULLY BEFORE COMMENCING ANY WORK**

Do not look directly into the light source.

For use with supplied UL approved electronic plug in driver only.

Do not attempt to disassemble any parts; all are sealed units.

When outdoors, only plug the power supply into a GFCI socket that is marked "wet location".

Do not attempt to connect further light sources unless otherwise stated.

This deck must be installed in accordance with all local codes and ordinances.

If you are experiencing problems, please consult a qualified electrician.

This brochure is for illustration purposes only and is not meant to wholly replace a licensed professional.

Any use of this product must be in accordance with all local zoning and building codes.

The consumer assumes all risks and liability associated with the use of this product.

The consumer or contractor must take all necessary steps to ensure the safety of everyone involved in the installation, including, but not limited to, wearing the appropriate safety equipment.

This product comes with a limited 2 year manufacturers warranty as standard, but can be extended to 5 years if registered by the purchaser via the Wave-LED website within 28 days of purchase. The seller expressly disclaims any and all liability arising out of the use or ownership of the product, including disclaiming incidental and consequential damages, unless otherwise required by state law. For full terms and conditions please refer to our website [www.Wave-LED.com](http://www.Wave-LED.com).

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This product is designed to be fitted in decks, steps, stairs and patios.

• Main low voltage cable is intended for shallow burial - less than 6" (152mm)

• Power supply unit can support a maximum of up to 10 individual lights.

• Power supply unit must be mounted at least 1' (0.3m) above ground level.

• Power supply unit is not suitable for use with dimmers.

• Please contact us if you require additional lengths of main voltage cable.

• Cannot be used with an extension cord.

• CAUTION: FOR USE ONLY ON A BRANCH CIRCUIT PROTECTED BY A CLASS A TYPE GROUND FAULT CIRCUIT INTERRUPTER.

• FOR USE WITH LANDSCAPE LIGHTING SYSTEMS ONLY

• THIS DEVICE IS ACCEPTED AS A COMPONENT OF A LANDSCAPE LIGHTING SYSTEM WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION

• DO NOT CONNECT TWO OR MORE POWER SUPPLIES IN PARALLEL.

• LANDSCAPE LIGHTING SYSTEMS ARE FOR OUTDOOR USE ONLY.

• NOT FOR USE IN DWELLING UNITS.

• POWER SUPPLIES ARE FOR OUTDOOR USE ONLY.

• DO NOT MOUNT POWER SUPPLY OR LUMINAIRES WITHIN 3m OF A SWIMMING POOL OR SPA.

## INSTALLATION

The Deck 35 kit has been specifically designed for use in decking and combines some innovative features to make installation easier. 2 x pre-wired looms each with 5 LED heads plus a 16' (5m) extension cable allow longer runs to be achieved.

Wiring loom can be fitted into the deck during construction.

Heads are interchangeable allowing different sizes and colours to be operated from one power source (excluding RGB option).

Minimum board thickness 1/2" (12mm).

Minimum cavity depth 3 5/32" (80mm).

### Step 1

Choose the most suitable location for plugging in the UL approved plug.

Do not plug in at this stage.

### Step 2

Choose the location for each of the 10 heads.

Ensure cables are long enough to connect to the desired positions.

Maximum distance from power supply to first head is 16', and maximum distance between each head is 4'.

Please ensure you have correctly measured your distances and centre point marking and 100% confident of the final positioning before drilling any holes.

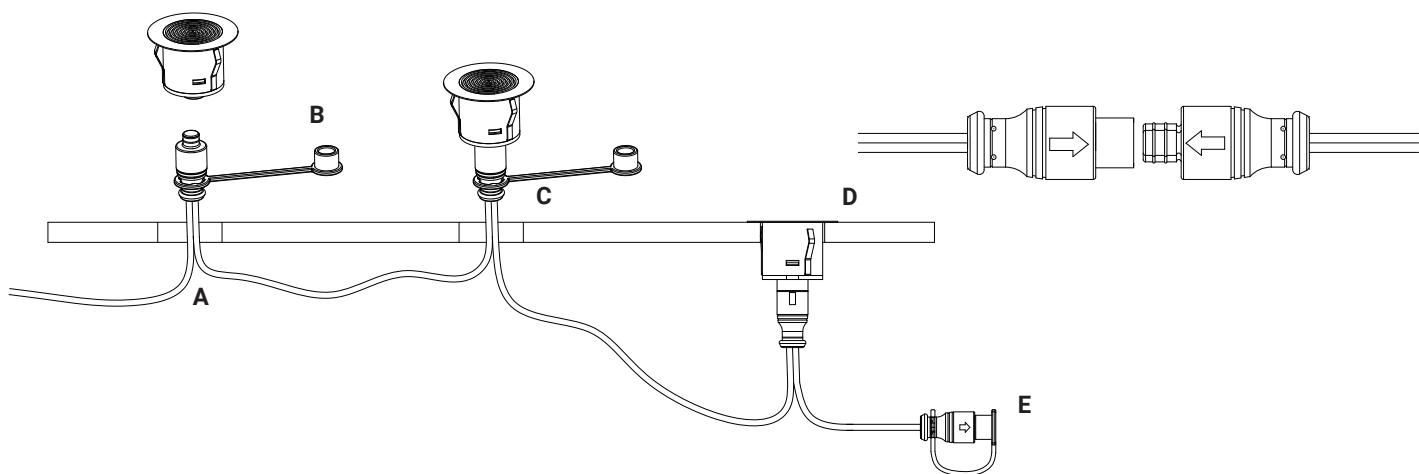
## INSTALLATION

### Step 3

Drill location holes for heads.  
Use supplied 15/16" (24mm) drill paddle to drill holes.  
Ensure drill is level and 90° to surface being drilled.

### Step 4

From underneath the decking, feed the head unit and cable up through each installation hole (A).  
Fit the protective cap onto the head unit - to prevent the unit from dropping back through the holes and to keep debris out (B).  
Once the decking has been fully assembled and the lights are ready to be installed, remove the protective cap and push the LED unit onto the head unit observing the correct polarity - align the flat part of the connector to ensure correct connection (C)



### Step 5

Fit the assembled head units into the holes by pushing into the hole. The springs on the side of the head units will secure the head units in place (D).  
Connect all looms together and connect directly to the driver output cable, or the extension cable.  
Ensure any unused heads and cable ends are fitted with the end plug and protective cap to prevent the ingress of moisture (E).

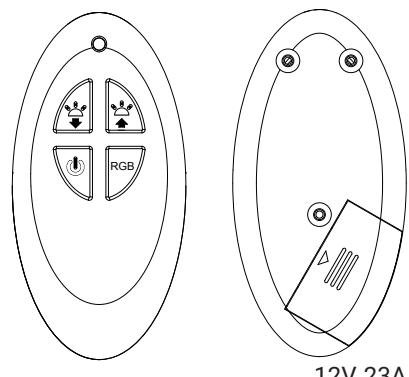
### Step 6

Connect plug to power supply.

## ADDITIONAL INSTRUCTIONS FOR USE WITH REMOTE CONTROL (if applicable)

### For remote control options

Slide the battery cover off the RF controller and fit the battery observing the correct polarity markings  
Press the On / Off button on the RF controller. The red LED should light at the top, and the signal LED should light on the power supply.  
Push the RGB button to switch between the different colours; there are seven individual colours and two variable modes.  
The fixed colour sequence is yellow, white, red, green, blue, purple and light blue.  
The two variable modes switch between all seven colours and the other fades between them.  
To synchronise the colours of more than one unit, press and hold the power button for 5 seconds.  
Ensure that individual units with RGB capability are positioned no more than 10ft (3m) apart for the remote control to work on all units effectively.



## TESTING

### Step 7

Turn on the circuit breaker and light switch.  
When first turned on wait approximately one minute for the circuitry to self calibrate.

**FCC STATEMENT**

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.