



ATG Electronics® eCove™ T30T LED Rigid Strip

USER GUIDE

Part Number HRS-T030T-070600-L2
HRS-T030T-058600-L2



NOTE:

This user guide is to explain the steps necessary to use the specified and assure peak performance. Its intended use is for reference only, by a fully qualified electrician or technician. This document should never be considered a substitute for any provision of a regulation or state and/or local code.

Please read this entire manual to fully understand and safely use this product.

Specifications are subject to change without notice. Please visit www.atgelectronics.com for most recent user guide versions.

GETTING STARTED

ATG Electronics® eCove™ T30T LED Rigid Strip is a low profile intelligent RGB color changing lighting fixture, designed for indoor applications like cove lighting.

eCove™ T30T adopts 3-in-1 SMD LEDs (minimum cut is 6LEDs) and ultra thin PCB, it can be concealed into most confined space and distributes lights out without seeing the fixture.

eCove™ T30T works at 24VDC (constant current) and can run up to 7meters (23 feet) long (HRS-T030T-070600-L2), easy to meet lighting designers' requirements; also it receives data from DynColor™ 300-FS or QColor™ 310-FS controller, and supports data expansion to create a synchronous effect in different groups (QColor™ 310-PE Power Expansion Module needed).

eCove™ T30T can easily stick to any surface with 3M tape and link between fixtures and to the controller via 4-pin data wire.

eCove™ T30T is an ideal product for cove lighting, display lighting and signage lighting in restaurants, hotels, shops and clubs.

This guide contains important information about installing and operating your new eCove™ T30T safely and accurately.

Included in this Box

eCove™ T30T LED Rigid Strip, 1 PCs
User Guide, 1 Set
Signal Connector(s)

Additional Items Needed

Power Supply: 24 VDC QDriver™/XDriver™ LED Power Supply
Control System: DynColor™ 300-FS RGB DMX Controller
or QColor™ 310-FS RGB Mini Controller
or QColor™ 020-FS RGB Remote Controller

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Color your life!

Unpacking

- 1) Unpack and carefully examine the product.
- 2) Report any damage and save all packing materials if any part is damaged during transport.
- 3) Do not attempt to use this apparatus if it is damaged.

Warnings

- 1) Risk of electric shock. Ensure that the power supply is off when wiring or soldering the sections of the strip.
- 2) The device shall be installed and operated by a qualified electrician or technician in accordance relevant local codes.

Cautions

- 1) Suggested continuous working time is around 8 hours, never more than 12 hours.
- 2) Do not use sharp tools near or on the surface of the device.

User Responsibilities

The responsibility of complying with all state and local laws, ordinances, and regulations in regards to the installation, maintenance, and operation of the device lies with the buyer and handler of the device. These parties may include, but are not limited to the contractor, installer, purchaser, owner, and user of the product.

Note:

The instructions and precautions set forth in this user guide are not necessarily all-inclusive, all conceivable, or relevant to all applications as ATG Electronics cannot anticipate all conceivable or unique situations.

PLANNING THE INSTALLATION

This device installation requires planning to ensure timely, successful installation with minimal complications and down time.

Planning Suggestions

Consult an Electrical Inspector to review all wiring plans.
Create a Layout Plan drawing, per a Lighting Designer's or Architect's recommendation.
Consult ATG Electronics Application Engineering Services as needed.

Installation Considerations

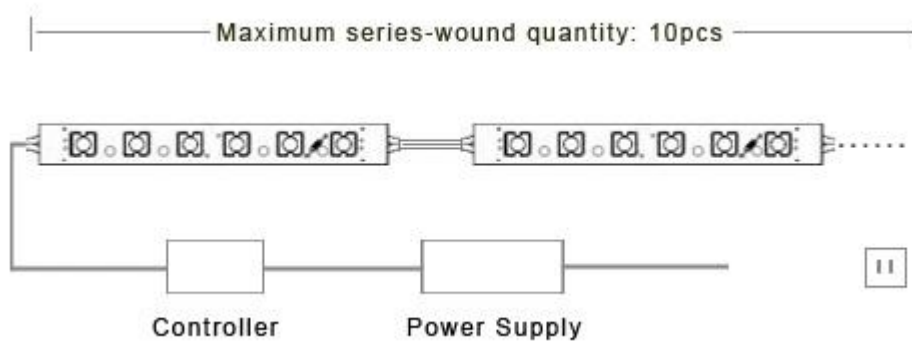
When creating your installation plan, consider the following:

- 1) Location of the device
eCove™ T30T is non-waterproof which is ONLY suitable for indoor applications.
- 2) Minimum working unit
The minimum working unit is 6LEDs. So cut at every 6LEDs at cutting marks.
- 3) Maximum series-wound quantity
10 pcs.

Installation Steps

- 1) Place and fix eCove™ T30T to the defined area according to project layout.
- 2) Cut at cut marks or connect strips together to adjustable length.
- 3) Connect the controller to the first eCove™ T30T. Make sure the common wires and data wires (red, green and blue wires) are connected properly.
- 4) Connect the power supply to the controller.
- 5) Plug power supply into power outlet to light the whole system.

Wiring Diagram



ATG Electronics® eCove™ T30T LED Rigid Strip Specifications

Operation Voltage: 24 VDC

Color: RGB

LED Qty: 30 LEDs

Lumens: 144 lm (Max)

Power Consumption: 7.2 W (Max)

Beam Angle: 120°

Dimension: L700*W8*H3 mm (L27.5*W0.31*H0.12 inch)

L580*W8*H3 mm (L22.8*W0.31*H0.12 inch)

Work environment: Indoor environment

* Detailed specifications please refer to the product catalog of eCove™ T30T LED Rigid Strip.

LED SOURCE LIFE

Traditionally, the definition of life for light sources is defined at the point which 50% of the lamps fail under specified conditions. However, all necessary components in a LED lighting system will determine useful life time. According to the industry standard, ATG Electronics uses the concept of useful light output and rates product life time at standard of "less than 50% lumen maintenance of original light output".

LED exhibits very long operational life time, typically 50,000 hours or more. However, like all light source, LED light output can degrades and also undergo gradual shifts in color over time.

LED chips, performed lighting effects and working environmental conditions, such as temperature, humidity, and ventilation will affect LED lumen maintenance. The overall LED Lighting System life time could vary substantially based on usage and environmental condition.

ATG Electronics always adopts brand chips and high quality materials and components to make LED Lighting Systems.

QUALITY WARRANTY

This product is sold pursuant to ATG Electronics Standard Terms and Conditions which can be found at www.atgelectronics.com/warranty and which contain important provisions, including, among others, the Quality Warranty, exclusions and limitations on ATG Electronics liability for damages, and restrictions on available remedial actions.

For any after-sales assistance, please contact our Customer Service Team at service@atgelectronics.com. All your concerns and requests will be handled within 12 hours.