



# ATG Electronics® UniQ™ A144T RGB LED Border Light

## USER GUIDE

**Part Number** HBL-A144T-100600-H0  
HBL-A072T-050600-H0



### 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](http://www.atgelectronics.com) for most recent user guide versions.

### GETTING STARTED

ATG Electronics® UniQ™ A144T RGB LED Border Light (hereinafter referred to as UniQ™ A144T) has been used worldwide in decorating buildings, casinos, restaurants, hotels, architecture lighting, parks and streets etc.

This guide contains important information about installing and operating your new UniQ™ A144T safely and accurately.

### Included in this Box

ATG Electronics® UniQ™ RGB LED Border Light, 1 PCs

User Guide, 1Set

Mounting Clip(s), Power Cable(s), Signal Cable(s)

### Additional Items Needed

Control System: DynColor™ 300-BL RGB DMX Controller (Part Number: HCD-00300-000000-BL)

### 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 device.
- 2) The device shall be installed and operated by a qualified electrician or technician in accordance relevant local codes.

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Color your life!

### 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  
UniQ™ A144T is suitable for only dry, wet and damp environment.
- 2) Control System  
UniQ™ A144T can be controlled by DynColor™ 300-BL DMX Controller. Synchronous color changing might be considered before installing.
- 3) Maximum Series-wound Quantity  
UniQ™ A144T (120VAC input), 100 pcs;  
UniQ™ A144T (240VAC input), 200 pcs;  
UniQ™ A72T (120VAC input), 200 pcs;  
UniQ™ A72T (240VAC input), 400 pcs.

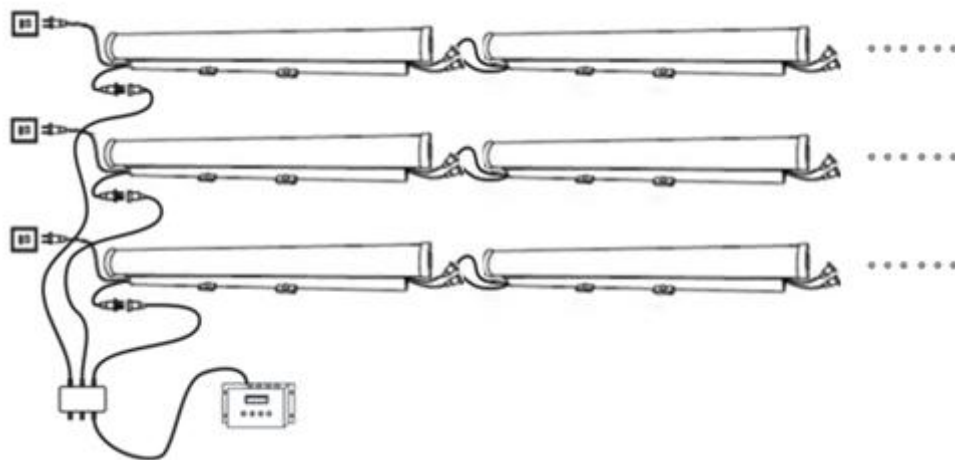
### Installation Steps

- 1) Place and fix UniQ™ A144T to the defined area according to project layout.
- 2) Connect UniQ™ A144T to each other through the power and signal connector.
- 3) Connect DynColor™ 300-BL DMX Controller to the first UniQ™ A144T . Make sure the common wires and data wires (red, green and blue wires) are connected properly.
- 4) Plug the first UniQ™ A144T and DynColor™ 300-BL DMX controller into power outlet to light up the whole system.

5) Select the mode desired to play UniQ™ A144T.

\* You might read user guide of DynColor™ 300-BL to learn how to operate the whole system.

### Wiring Diagram



### ATG Electronics® UniQ™ A144T RGB LED Border Light Specifications

Operation Voltage: 120VAC or 240VAC

Color: RGB

LED Qty: 144LEDs or 72LEDs

Lumens: 195 lm

Power Consumption: 14W

Beam Angle: 120 degree

Length: 1000 mm (3.28 ft) or 500 mm (1.64 ft)

Diameter: 50mm (0.16 ft)

IP Rating: IP65 (applicable for dry, wet, damp environment)

\* Detailed specifications please refer to product catalog of UniQ™ A144T RGB LED Digital Border Light.

### 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](http://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](mailto:service@atgelectronics.com). All your concerns and requests will be handled within 12 hours.

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