



# TOKISTAR LIGHTING INSTRUCTION MANUAL

## Reveler and Reveler Channel Series

### General Description

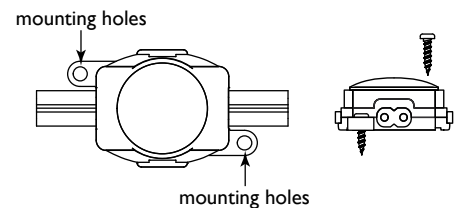
Tokistar's Reveler Series is a 12 VAC lighting system using 1.8 watt LEDs sealed to a flexible cable. A Reveler system is also available with optional channels; these channels are attached to a surface using fixed or adjustable mounting brackets.

Light Source	
Description	Part No.
2" O.C. 1.8 Watt LED	RV / RVC / RVCL-50-2700
2" O.C. 1.8 Watt LED	RV / RVC / RVCL-50-3000
2" O.C. 1.8 Watt LED	RV / RVC / RVCL-50-5500
2" O.C. 1.8 Watt LED	RV / RVC / RVCL-50-BL
4" O.C. 1.8 Watt LED	RV / RVC / RVCL-100-2700
4" O.C. 1.8 Watt LED	RV / RVC / RVCL-100-3000
4" O.C. 1.8 Watt LED	RV / RVC / RVCL-100-5500
4" O.C. 1.8 Watt LED	RV / RVC / RVCL-100-BL
6" O.C. 1.8 Watt LED	RV / RVC / RVCL-150-2700
6" O.C. 1.8 Watt LED	RV / RVC / RVCL-150-3000
6" O.C. 1.8 Watt LED	RV / RVC / RVCL-150-5500
6" O.C. 1.8 Watt LED	RV / RVC / RVCL-150-BL

### Mounting Fixtures

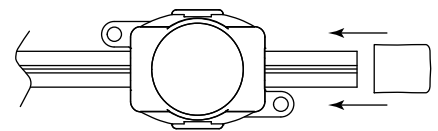
#### Direct Screw Mounting

Each LED socket has two mounting holes in opposing corners designed to accept screws. For secure mounting, use two screws. Screws must be firmly attached to support the weight of the fixture. **DO NOT USE COUNTERSUNK SCREWS.**



#### End Caps

Reveler fixtures are supplied with factory sealed end caps on the end of each run. If it is necessary to trim a fixture, a new end cap must be sealed on the end of the conductor cable with a permanently-bonding adhesive such as silicone.



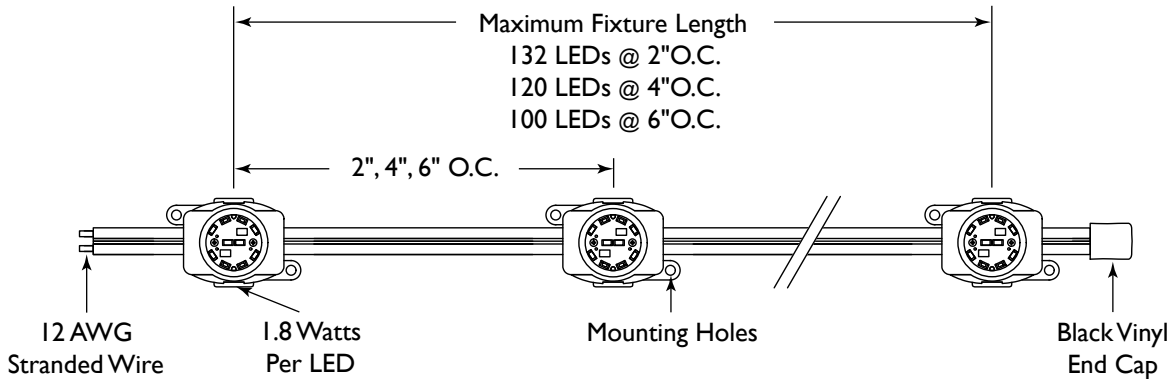
### ⚠ PRECAUTIONS

1. Read all instructions completely before beginning installation.
2. Turn off electricity before beginning installation.
3. All wiring is to be performed by a qualified electrician.
4. Installation must comply with the National Electrical Code, and all applicable codes.
5. Turn main supply to transformer on only after all connections have been made and tested.
6. Use only transformers provided by Tokistar with the system.

### Secondary Circuit Limitation

To minimize voltage drop and keep conductors safely within their limitations, do not exceed the maximum lengths shown for each independent fixture. Conforming to these lengths will ensure no fixture exceeds 20 Amps (240 watts @ 12 volts).

Maximum Run Lengths	
Socket Spacing	1.8 Watt / 12 VAC LED
2" (50 mm)	22' 0" (6.6 M)
4" (100 mm)	40' 0" (12.2 M)
6" (150 mm)	50' 0" (15.2 M)



### Transformer Instructions

#### Transformer Location

Transformers should be installed in an accessible location where there is free-air circulation. For additional information, please refer to the instruction manual provided with your transformer.

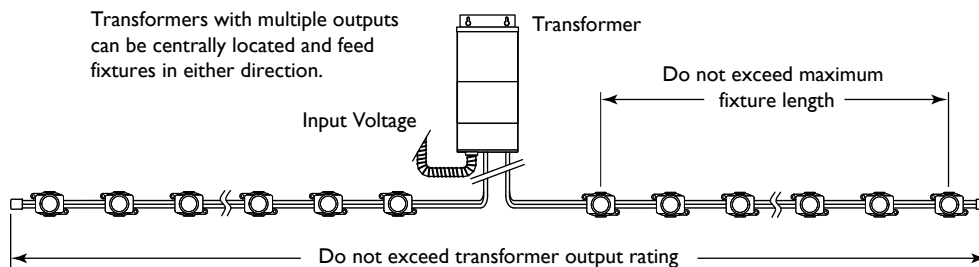
#### Transformer Mounting

Select a suitable location capable of supporting the weight of the transformer. Use the two keyholes provided on the mounting flange. The transformer must be mounted vertically with the wiring compartment pointing down.

#### Secondary Circuit Protection

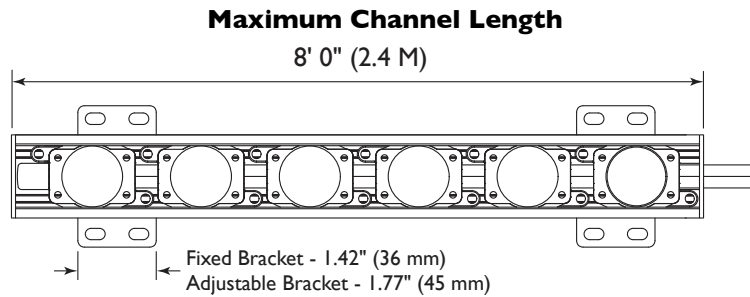
Transformers are provided with circuit breakers to protect secondary circuits. The maximum size circuit breaker on a transformer is 25 amps, but the circuit wired to the breaker **MUST NOT EXCEED 20 AMPS**.

There are several transformer sizes available, and different size breakers installed in them. For applications with multiple output transformers the total load should not exceed the breakers rating, and the total combined load of all outputs should not exceed the transformers rating.



## Mounting Reveler Channels

Reveler Channels are typically shipped fully assembled, and ready to be installed.



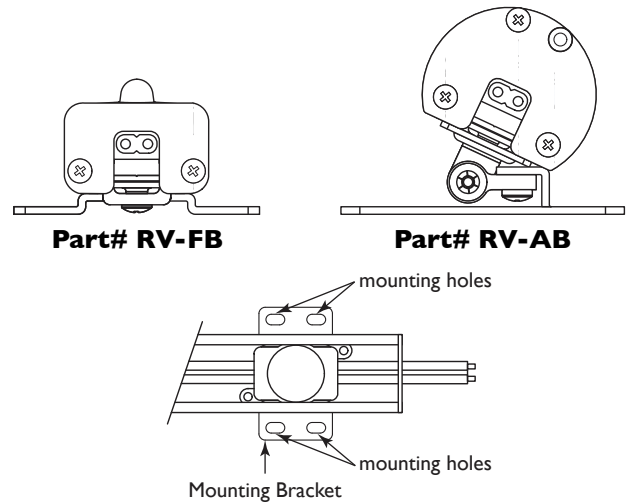
## Mounting Brackets

**(Fixed Bracket - Part# RV-FB)**

**(Adjustable Bracket - Part# RV-AB)**

A single bracket is provided for fixtures up to 1 foot.  
Two brackets are provided for fixtures up to 8 feet.

Secure the mounting brackets to a surface capable of supporting the weight of the fixture using four screws.  
Brackets need to be firmly attached to support the weight of the fixture.



## Reveler Channel Fixtures Exceeding 8 Ft.

**(Splice - Part# RVC-SPL)**

In some cases, Reveler fixtures exceeding 8 ft. may be supplied for use in multiple channels. For these situations, a splice is required.

### Step 1

Attach splices on the end of a fixture at the seam between two channels.

### Step 2

Install the channels to the surface using the mounting brackets provided.

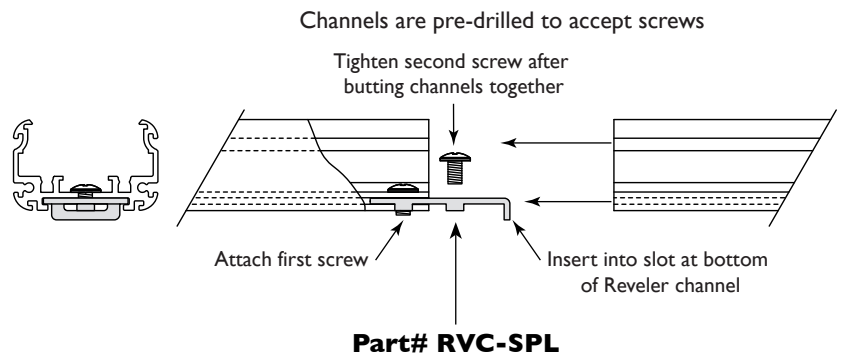
### Step 3

Slide the Reveler fixture into the channels from the end.

### Step 4

Install end caps on the end of channels.

### Joining Sections of Reveler Channel with a splice.



## TOKISTAR® LIGHTING

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