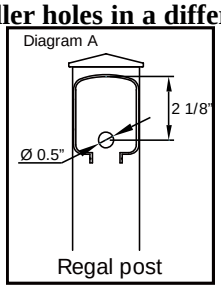
LED installation

-Inspect all railing posts to check that they are the current version with 1/2 " predrilled holes in the post in the exact location shown in diagram A . Older versions of railing posts may not have pre-drilled holes or have smaller holes in a different location. Drill ½" holes in correct location for all older version posts.



- The LED lighting system can be installed in Regal railing systems with glass or locking picket systems supplied after 2007. Pickets or glass will need to be removed in existing systems in order to install the LED lighting strips.

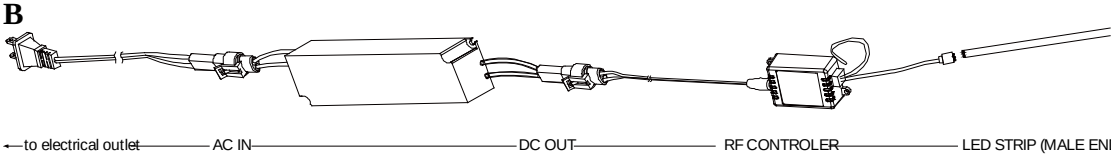
-One power adaptor can run a maximum of 10 lighting strips.

-Do not kink the LED strip during installation. Although the strips are flexible, extreme bending may damage the circuitry and cause the lights to malfunction.

-For ease of installation, run LED strip through any connecting posts or corners before removing the cover from adhesive backing.

Installation of the lighting system will begin at an end post that terminates or begins the railing system. This post will house the power adaptor and RF receiver. Drill a ½" hole in decking directly under the center of the railing post that will house the power supply and RF receiver. Run 4'-6' of the power supply cord up through the hole in the deck. Remove the post cap from the railing post. Feed the power supply cord into center hole in the bottom base plate and run it up through to the top of the post.

Connect power cord to the "AC IN" plug of power adaptor. Connect the RF control unit to the "DC OUT" plug of adaptor. Secure post and install top and bottom rails following railing system instructions. See diagram B

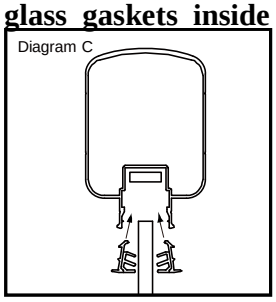


Next, feed the male end of the first LED strip into the ½" pre-drilled hole in top post bracket. Connect the LED strip to the plug on the RF control unit ensuring that the lighted side of the strip is aligned to the make it waterproof and to prevent the connections from pulling apart. Peel the cover from the plastic adhesive and wrap

this protector around the connection. Remove cover from adhesive backing on the LED strip and firmly press the strip along the upper side of the top rail track. Connect male end of next strip to female end of previous strip. Wrap the connection with the connection protector. Repeat these steps for remainder of the lighting installation. At the end of the installation there may be excess LED strip. The excess can sit inside the last post or the strips can be cut only where indicated by the cut symbol.

Test the lighting system at this point by plugging LED power cord in and turning it on with the RF remote control and testing each of the various functions. The remote will control the on/off, three brightness levels and color settings of white, blue and gold.

Installing glass with LED lighting Note: Vinyl glass gasket and rubber blocks for bottom rail are sold separately. Insert standard vinyl gasket (GVIL) into bottom rails only and position rubber blocks following standard railing instructions. Install glass panels by first sliding the glass up inside the top rail and then down into the bottom rail. Secure the glass into top rail by pushing one piece of the 2 piece LED glass gaskets inside top rail channel on each side of the glass. See diagram C.



Installing pickets with LED lighting Using 4" clear spacers supplied with the LED-P package for the top rail, install pickets following the standard railing instructions.

Installing LED using UAB's for custom angles on decks. Attach round backing plates of angle bracket to post following the "Universal angle bracket (UAB) for custom angles" section of railing instructions. Drill a ½" hole in the post just below the upper round backing plate for LED strip to pass through post. Complete installation of UAB and install top and bottom rails. Continue installation of LED lighting.

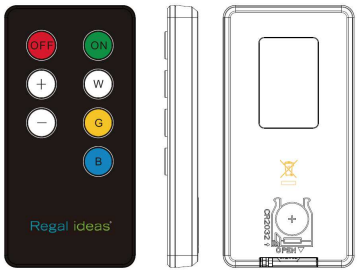
Installing LED lighting with stair railing. Attach round backing of angle brackets

following the angle bracket (UAB) on stairs section of standard railing instructions. Drill a ½" hole in post just below the upper round backing plate for LED strip to pass through post. Complete installation of UAB and install top and bottom rails. Install LED strip in stair railing. For stair pickets, use the 5" clear spacers supplied in the LED-SP package for the top rail and install pickets following standard instructions. For stair glass, use the spacers and gasket strips in the top rail as supplied in the LED-SG package and install glass according to standard railing instructions.

INSTRUCTION MANUAL

1. Products picture

2. Function Declaration



1、OFF: Power off

2、ON: Power ON and LED lighting lamp with a color of light

3、W：White Color

4、G： Golden Color

5、B： Blue Color

6、+： LED brightness enhancing

7、-： LED brightness reduced

3. Battery type: CR2032

4. This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillage radioélectriquesubi, mêmesi le brouillageest susceptible

d'encompromettre le fonctionnement.

5. **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.**
6. **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.**
7. **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.