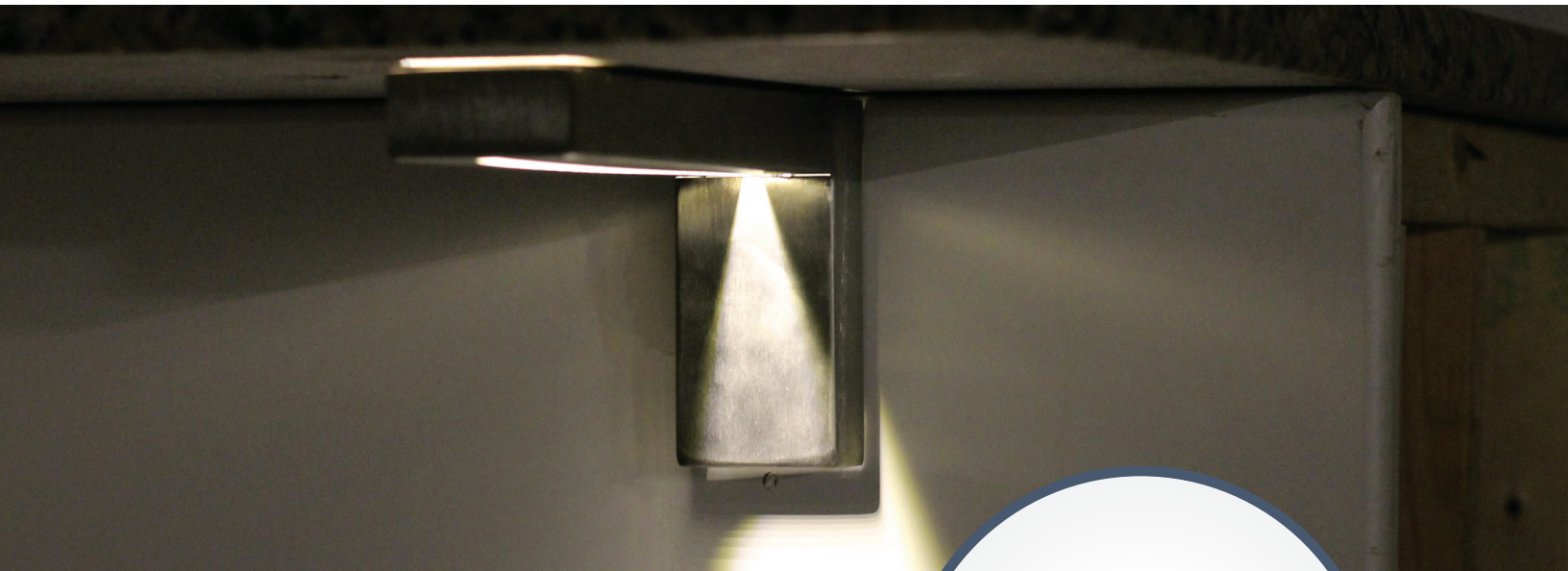




*Federal Brace*  
BEAUTIFULLY CRAFTED CONFIDENT SUPPORT

# ILLUMINATED BRACKET | *Lumiere*



## LUMIERE ILLUMINATED BRACKET INSTALLATION INSTRUCTIONS

Every successful countertop installation begins with good planning and action. Do not wait until the last minute to order your countertop supports, fasteners or adhesives for installation. Make sure that all aspects of the supporting substructure are considered and discussed to ensure that your countertop installation will be smooth and that your countertop support products will be sufficient.

Note that this installation document should not be considered a specific recommendation for your particular application. Federal Brace cannot provide installation guidelines to meet the particulars of every application. This document should be considered a help sheet that provides considerations about the general characteristics of a particular type of support and installation.

### Product Characteristics

The Lumiere Illuminated Bracket is designed to allow the maximum amount of leg room under a countertop extension on a bar countertop or island countertop. It also provides LED accent lighting and the stainless steel sleeve offers a luxury finish. This non-gusseted bracket is designed so the mounting plate extends from the cabinet base under the countertop material. The down flange will mount to the cabinet or framed structure after the face material is installed. Two .26" holes are provided on the flange for fastening.

Without a gusset, the extensions will deflect ("bending" down) more easily than a gusseted bracket. To prevent this, space the Lumiere Illuminated Bracket every 12"-18" apart and do not



use for counters extending more than 4" beyond the end of the support arm.

### Considerations When Installing

Whenever installing the Lumiere Illuminated Bracket, make sure that you provide the thickest possible substructure (at least 1.75") on which to fasten the bracket. You will want the fasteners to have as much "biting" material as possible. This will provide a secure fastening of the brackets. Also, the substructure should be tied into the floor. Remember, a weak substructure makes for a weak installation.

With the substructure secured in place, measure out your bracket pattern. We suggest you space the Lumiere style brackets no greater than 18" apart on a standard application. Once you have your bracket support pattern set up you can mark your installation holes. Once the holes are marked, make pilot holes for your fasteners using a drill bit that is slightly smaller than the 1/4" holes on the plate. You will also need to drill a 1/2" hole between the two fastener holes for the LED power cord. When all the pilot holes are drilled, attach your first bracket to the substructure. Make sure when you fasten your bracket that you check for level in all directions. The bracket

should be straight up and down and level vertically as well as horizontally. This will give the best possible result to your countertop.

The top of your bracket and sleeve should not extend over the top of your support substructure but should be flush with the top. You will want to use a level to determine the positioning of the top of the bracket to the top of your substructure. When manufacturing the Lumiere Illuminated Bracket we attempt to hit the angle break at 90 degrees 100% of the time. However, we may be slightly off of that mark. If this is the case with your bracket, you should use shims in your installation to bring the bracket to level. Shims can be placed directly behind the down flange or you may need to slightly plane the support stud to allow for the bracket to sit flush and level.

Once all the brackets are in place, you will want to connect the provided Eco-Lucent power supplies in a daisy chain format. To connect and sync the Eco-Lucent LED lights, follow the

instructions below. Wipe down your support brackets to remove any handprints or other debris. Just before installation of your counter, you may want to apply adhesive or silicone to the top of the brackets to adhere it to the counter. Once the counter is in place you can caulk around the edge of the plates if you choose. This will give greater adherence to the countertop and cover any gap between the plates and counter.

The final step is to enjoy your work and your new kitchen counter! We are thankful that you chose to support your beautiful counters with Federal Brace brackets. Please send us images of your new kitchen and brackets under your counters. We would love to add your work to our gallery and see Federal Brace products at work.

Also, know that the highest compliment Federal Brace can be given is a reference from our customers to friends and family. If you have enjoyed your buying experience with Federal Brace please let someone know.

For any questions or comments please to contact us by email at [customerservice@federalbrace.com](mailto:customerservice@federalbrace.com) or by phone at (877) 353-8899. If you are a visual learner, check out our installation videos on our YouTube channel Don't forget to share your projects with your new Federal Brace brackets on Twitter and Instagram, just tag us @FederalBrace. Like us on Facebook, and check out our boards on Pinterest for more home improvement/decor and DIY project ideas.





## ECO-LUCENT LED LIGHTING SYSTEM INSTALLATION GUIDELINES

Every successful installation begins with good planning and action. Do not wait until the last minute to order your Eco-Lucent LED Lighting System for installation. From time to time stock replenishment may be in process and require a lead time. Make sure that all aspects of the product placement are considered and discussed to ensure that your Eco-Lucent LED Lighting System installation will be a success!

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### Characteristics of the Eco-Lucent LED System

The LED lighting system comes to you in an aluminium finish and includes everything you need for one LED light. VHB double-sided tape is provided for fastening the LED channel to your specific application material.

### Installation of the Eco-Lucent LED System

To sync the lights with the remote use the following steps.

1. Plug in the power supply, connect the IR controller, the Eco-Lucent LED Lighting System and any additional splitters or extension components you will be using.
2. Turn on the Eco-Lucent LED Lighting System and push the red button marked "R". If lights are not red, continue to step three. If lights are red, continue to step six.
3. Turn off the Eco-Lucent LED Lighting System.
4. Press the "Smooth" button.
5. Turn on the Eco-Lucent LED Lighting System. Continue this process until the lights turn red when the red button marked "R" is pushed.
6. While the Eco-Lucent LED Lighting System is on, push the green button marked "G". If lights are not green, continue to step seven. If lights are green, continue to step ten.
7. Turn off the Eco-Lucent LED Lighting System.
8. Press the "Smooth" button.
9. Turn on the Eco-Lucent LED Lighting System. Continue this process until lights turn green when the green button marked "G" is pushed.



10. While the Eco-Lucent LED Lighting System is on, push the blue button marked "B". The lights should turn blue. If the lights are not blue, check the solid red and green buttons for corresponding light. If these lights are still out of sync, start over from step one.

After the lights and controller are synced you will want to adhere the LED channel in its final location. First, clean the surface where the LED channel will be placed. Next, peel the red strip off the tape and stick the LED channel to the clean surface. Apply gentle even pressure with your hand across the top of the channel.

The final step is to enjoy your work and your new Eco-Lucent LED Lighting System! We are thankful that you chose to use Federal Brace products in your home or office. Please send us images of your installation. We would love to add your work to our gallery and see Federal Brace products at work.

Also, know that the highest compliment Federal Brace can be given is a reference from our customers to friends and family. If you have enjoyed your buying experience with Federal Brace please let someone know.



For any questions or comments please to contact us by email at [customerservice@federalbrace.com](mailto:customerservice@federalbrace.com) or by phone at (877) 353-8899. If you are a visual learner, check out our installation videos on our YouTube channel Don't forget to share your projects with your new Federal Brace brackets on Twitter and Instagram, just tag us @FederalBrace. Like us on Facebook, and check out our boards on Pinterest for more home improvement/decor and DIY project ideas.

