

General Product information 

THIS IS A LOW VOLTAGE (24VDC) FIXTURE AND MUST BE USED WITH THE SUPPLIED OR MANUFACTURER APPROVED POWER SUPPLY

The Revelite EL mounting system is designed to be adaptable to a variety of easel designs. You must first identify where you will position your mounting bracket to allow your Easel Light to sit properly above your canvas, then you must select how you will fasten the bracket to your easel.

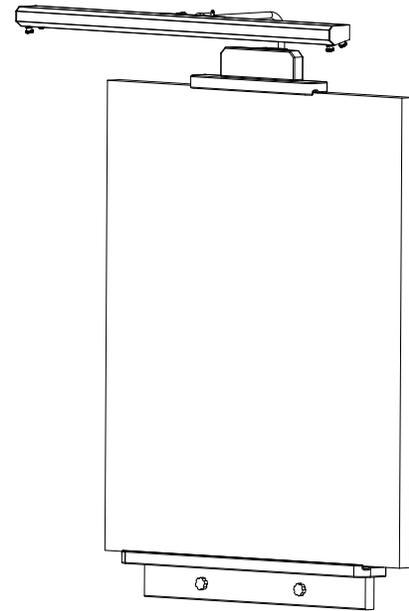
The correct position and height for the Easel Light is shown throughout the images in these instructions. To achieve the most uniform light output, the light should be centered above the canvas at a height of 4 inches. In most cases, this can be achieved by fastening the mounting bracket to the rear of the easel as shown below in Figure 1. If fastening to a location along the centerline of the easel is not achievable without hindering the easel's range of motion, fastening the mounting bracket at an angle in an off-center location can still allow the light to sit in a centered position (see Figure 2).

Methods of Installing the Mounting Bracket

1. Fastening to a Thick Wood Surface (Figure 1) - Use the included 1.25" flat head wood screws to fasten to a thick wood surface. The screws will fit into the two countersunk holes in the bracket as designated by the #1 in Figure 4. We recommend this mounting solution above all others.

Note: We recommend drilling 1/8" pilot holes in the location of each screw to prevent damaging your easel.

2. Fastening to a Thin Wood Surface (Figure 3) - If the only surface available to mount to is made of thin wood (less than 1/4" thick), we recommend mounting using the included 3/4" panhead wood screws with the included washers. Two holes will need to be made through the wood panel to allow the screws to pass through. Then, fasten the screws into the plastic mounting bracket holes designated as #2 in Figure 4. When completed, the wood panel should be sandwiched between the washers and the plastic bracket.



US Patents 7,070,293 and 9,134,004. International Patents Pending

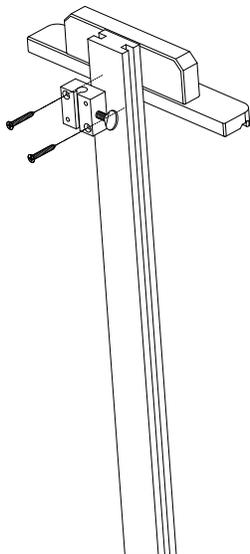


Figure 1

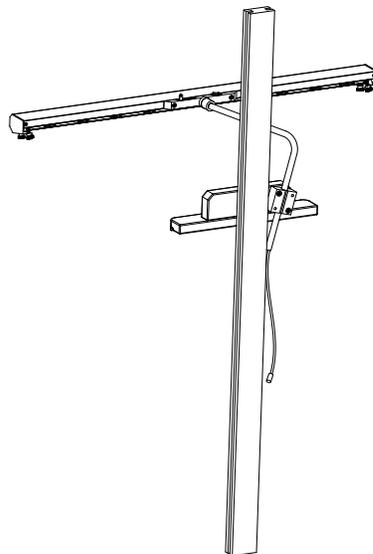


Figure 2

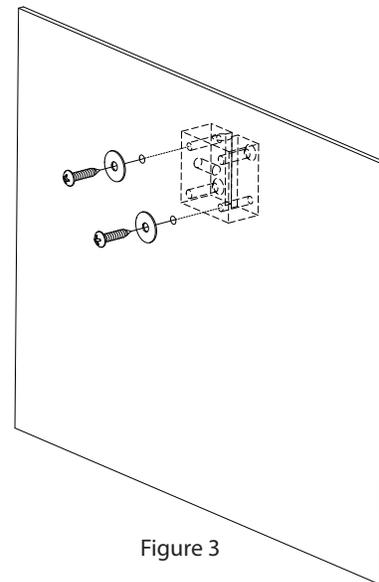


Figure 3

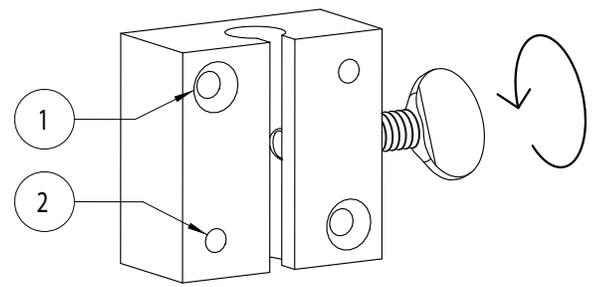


Figure 4

Methods of Installing the Mounting Bracket, cont.

3. Fastening to a Metal Surface (Figure 5) - If mounting to a flat metal surface, we have included VHB double-sided tape that can be used to adhere the mounting bracket to a metal surface. Clean the rear surface of the mounting bracket and the surface you will adhere to thoroughly using rubbing alcohol prior to apply the tape. After sticking the mounting bracket onto the surface, allow the tape to set for 24 hours before installing the Easel Light.

Note: We recommend mounting the 24" and 36" versions using screws for a secure mechanical connection.

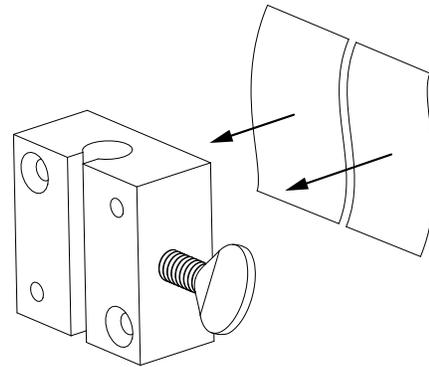
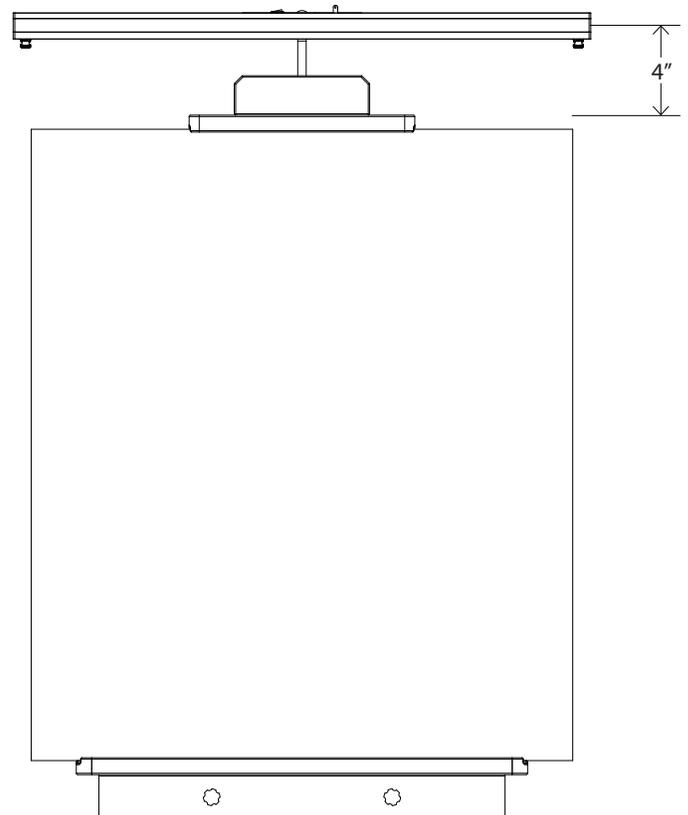
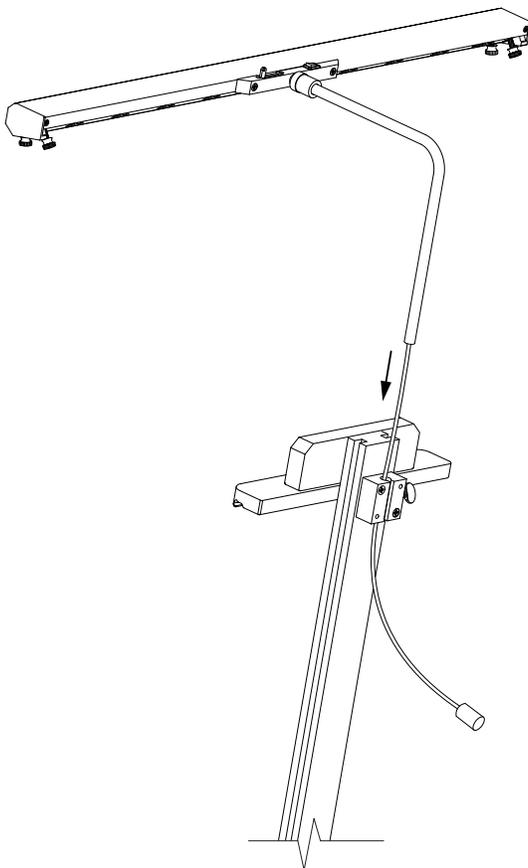


Figure 5

Attaching the Fixture to the Mounting Bracket

4. Attach the fixture to the mounting bracket by sliding the arm in vertically. Lock the arm in place by tightening the thumb screw shown as indicated in Figure 4.

5. Adjust the height of the fixture and level it by sliding the mounting arms up or down in the mounting bracket slots. The optimal distance from the bottom of the fixture to the top of the canvas is 4 inches.



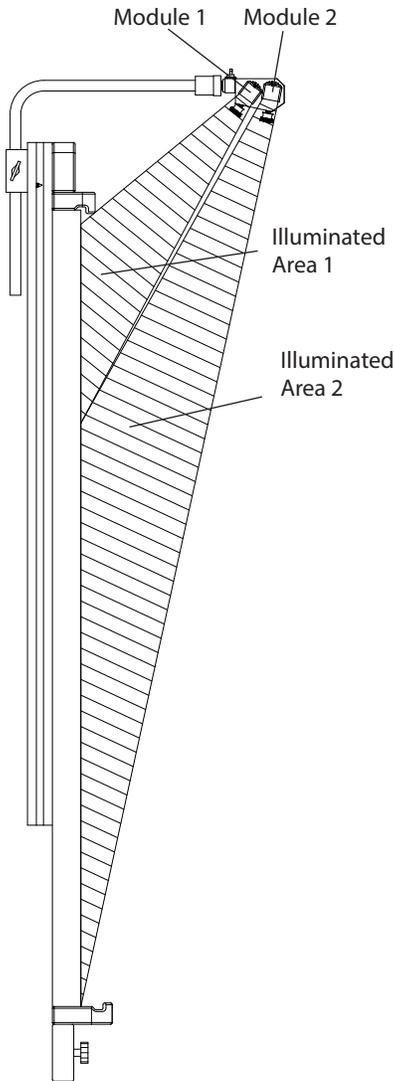
Installing the Power Supply

6. Simply plug the DC connector from the power supply into the DC connector on the end of the easel light wire. Plug the power supply into an electrical outlet to provide power to the fixture.

Note: The Revelite EL is a low voltage fixture. It requires a 24V DC input. Only use power supplies and batteries provided by the manufacturer.

WARNING

CONNECTING THE FIXTURE DIRECTLY TO LINE VOLTAGE WILL DESTROY IT AND VOID THE WARRANTY!



Adjusting the Light Output

The Revelite EL consists of independently aim-able rows of LEDs, or “modules”. Module 1 is closest to the artwork and illuminates the upper area of the canvas, Module 2 is farther away from the artwork and illuminates the lower area of the canvas.

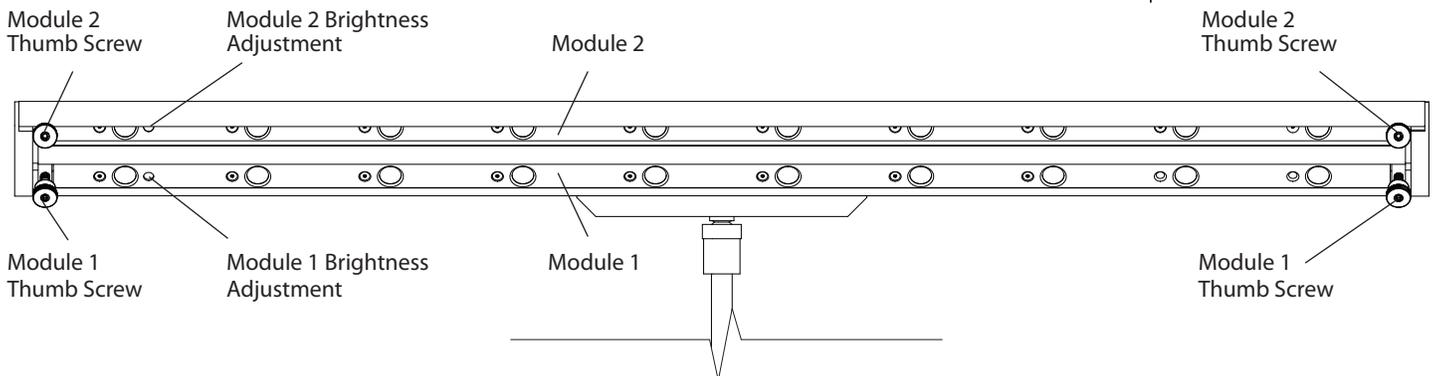
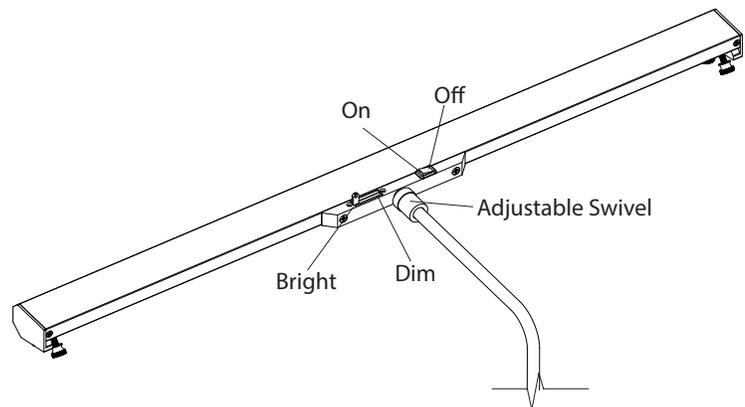
7. The Revelite EL can be adjusted to illuminate canvases of different heights. To tilt, or aim each module, loosen the thumb screws at each end of the module, tilt the module to the desired position, and then tighten the thumb screws. If your color palette is located directly underneath your canvas, you can point Module 2 down to illuminate the palette while using Module 1 to illuminate your canvas. For large canvases (>16” in height), you will achieve better light uniformity by using both modules to illuminate the canvas.

8. The brightness of each module can be adjusted by turning the small phillips head screw located at the right side of the fixture when you are facing it. The screw should turn with very little resistance. Using too much force may damage delicate electronic components. Once the brightness has been adjusted for each module, the brightness balance between the two modules will stay the same when the fixture is dimmed using the dimmer mounted on the rear of the fixture.

Note: We recommend adjusting the brightness of the individual modules only in cases where the tone of a painting varies drastically from the top of the canvas to the bottom. The EL comes pre-calibrated to provide uniform lighting for a wide variety of canvas sizes.

9. The entire Revelite EL body is allowed to pivot at the swivel that joins the mounting arm to the dimmer housing. We recommend that you adjust your Revelite EL so that the top of the housing is perpendicular to your canvas, then adjust the angle of the modules individually to achieve vertical uniformity.

Note: The swivel connection is adjustable. Tightening or loosening the collar in the middle of the swivel will adjust the amount of friction in the swivel.



Guidelines for tuning the EL to a canvas

1. After securing a blank canvas to your easel, lower the EL so that the distance between the top of the canvas and the bottom of the fixture is roughly 4 inches.
2. Aim module 2 (see step 7 above) so that the bottom half of the canvas is evenly illuminated.
3. Aim module 1 to supplement the top of the canvas with light.
4. Adjust the overall brightness using the dimmer switch mounted to the rear of the fixture.
5. If the top or bottom of the canvas appears disproportionately bright or dim, adjust the brightness of the individual module responsible for that portion of the canvas. (see step 8 above).