

LED Wall Washer

Safety instructions for LW36-RGB

WARNING: This product may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed by a qualified electrician in accordance with these instructions, current electrical codes and/or the current National Electric Code (NEC).

WARNING: To avoid electrical shock, disconnect or disable power at the source prior to installation or maintenance!

IMPORTANT SAFETY INSTRUCTIONS - Do not begin installation until you read and understand the installation and safety instructions.

1. All units must be unplugged before installing or servicing in any way.
2. Do not route cords or units through walls, doors, windows or any similar part of a building structure.
3. When using outdoors, controller (if applicable) must be secured in a weatherproof enclosure.
4. Do not use if there is any damage to the unit, its lens and/or power cord's insulation. Inspect periodically.
5. Do not submerge in water or liquids.
6. Secure units using mounting hardware appropriate for the mounting surface. Do not secure unit or its power cord with staples, nails or the like that may damage insulation.
7. As dictated by engineer's drawings or local code, install safety cables on fixtures.
8. Do not attempt to open or service the fixture. None of its parts are serviceable by the user.
9. Do not exceed the specified voltage and current input.
10. If using in conjunction with the LW36-CON controller, do not exceed the maximum run of thirty units.
11. This product has a polarized grounded plug as a safety feature to reduce the risk of electric shock. Do not cut the plug off or alter it in any way.

WARNING: When using outdoors, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following:

1. Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for outdoor use. Receptacles are available having built-in GFCI protection for this measure of safety.
2. Use only outdoor extension cords, such as type SW, SOW, STW, STOW, SJW, SJOW, SJTW, or SJTO. This designation is marked in the wire of the extension cord. Never use with an extension cord unless plug can be fully inserted. AC 120V, 60Hz max.

INSTALLATION PLANNING

Plan ahead for quick, successful installation.

1. Review all wiring plans in advance, in consult with an electrical inspector if possible. Refer to local and state codes for installation compliance.
2. Make a fixture layout plan that shows locations of each fixture and the controller. Leave room or create a legend to record the fixture "ID's" (identifying number for fixture addressing purposes).
3. As you unpack each fixture, attach a weatherproof label on the fixture to reference its location in the lighting installation plan. This will help speed the installation and identify units for addressing purposes. See Figure 1.

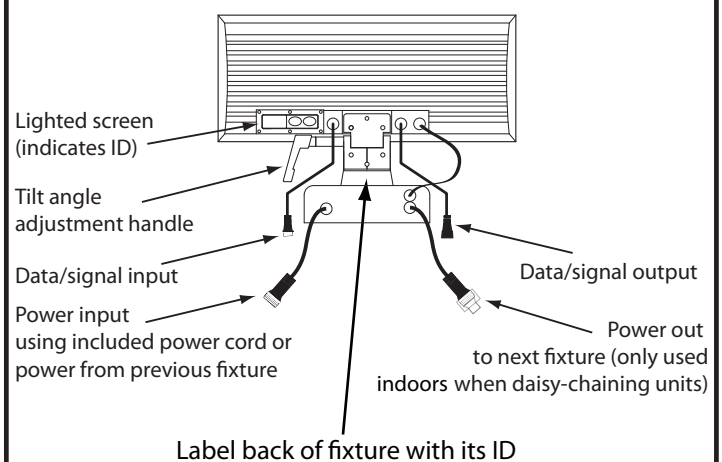


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RV-0810KB

Figure 1



LED Wall Washer

Installation instructions for LW36-RGB

INSTALLATION CONSIDERATIONS

The maximum number of fixtures that can be controlled by the LW36-CON controller is thirty. For any project that requires more than thirty fixtures, please consult factory.

1. Calculate the number of fixtures to be used. Consider the locations of all fixtures and of the controller.
2. Create a lighting plan that uses either a series configuration (where each unit is powered by the previous one) or provide a receptacle for each unit. See Figure 3 and "Fixture Installation". Locate the controller within 175 feet of the last fixture in a series. Note: The controller is usually installed after the fixtures are in place and will require its own 120V AC outlet within 7' of its location.
2. Be sure to provide a 120V AC, grounded outlet within 5 feet of the first fixture's location and purchase 15' linking power cables (indoor use only) as necessary; or locate an outlet for each. If using outdoors, outlet(s) must also be GFCI and weatherproof.
3. Consider what mounting hardware will be used. The mounting surface will dictate the type of fastener. The base has through-holes for mounting.

FIXTURE INSTALLATION

1. Be sure to record the fixtures' IDs on the lighting plan. Label the fixtures with their assigned locations by attaching a weatherproof label to each unit.
2. Set the fixtures' IDs. Note: If you want all the fixtures to be synchronized, give them all the same ID*. To change the fixture's ID, simply press the contact buttons on the back next to the LED screen (one will advance IDs, the other will lower ID numbers). The fixture's ID will be held in memory even when unplugged or otherwise powered off.
2. Rotate and hold the light in the desired position with the LED array facing the surface to be lighted. Note: The LED Wall Washer doesn't have a rotational adjustment, only a tilt adjustment. See Figure 2.
3. Use the through-mounting holes in the base of each unit and suitable fasteners to mount the Wall Washer to the mounting surface.
4. Attach the cord and plug set to the fixture and plug in; or power the fixture directly from a previous fixture using the 15' power cable (part number LW36-EX15, indoor use only, sold separately). See Figure 3.
5. Loosen the handle that holds the tilt angle for the array and tilt fixture to the desired angle. Re-tighten this handle to hold the tilt angle.

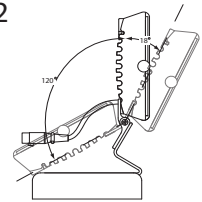
CONTROLLER INSTALLATION

Note: Simple effects (such as fixed color, color sequence and color wash) do not require a controller. Each fixture is factory-set to ID = 1 as indicated on the lighted screen on the back of the array (see Figure 1.) If the ID is left as 1, the unit will begin to advance through a factory-set color sequence. A controller is required to produce synchronous color changing mixes and for use as a DMX interface. For advanced lighting "scenes", use DMX software*, such as "Sunlite", to write to LW36-CON (controller) using LW36-XLR3 (XLR3 adapter cable); each sold separately.

1. Determine the location of the controller and plug in the controller. (If your installation uses more than one controller, please consult factory.) Refer to the controller instructions for user programming instructions.
2. Connect the controller's data output cable (mini 3-pin female) directly to the data input cable of the fixture (mini 3-pin male) or interconnect using 15' signal cable, (part number LW36-EC15, sold separately), if needed. See Figure 3.
3. Daisy-chain the remaining fixtures directly or with 15' signal cables, as needed.

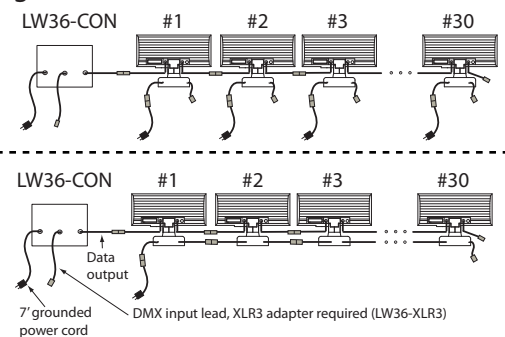
*Specialized DMX software will allow multiple IDs for advanced effect lighting. All fixtures connected to the LW36-CON controller will automatically synchronize. When using DMX 512 software, refer to that company's instructions.

Figure 2



The LED Wall Washer has an adjustable angle but the base doesn't rotate.

Figure 3



Daisy-chain power to units (indoors) or provide a receptacle for each fixture.



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