

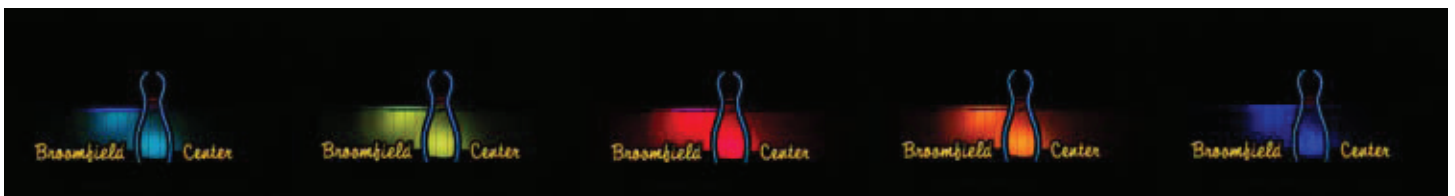
LED WALL WASHER

The LED Wall Washer is a robust color-washing fixture that creates dynamic, full RGB color mixes, producing up to 16 million colors and projecting light up to 65 feet. The 36 high power LEDs are rated for up to 100,000 hours, require no maintenance and use a combined consumption of only 48 watts. The fixture meets the needs of lighting designers and architects by offering an exciting new array of effect lighting possibilities, both interior and exterior.



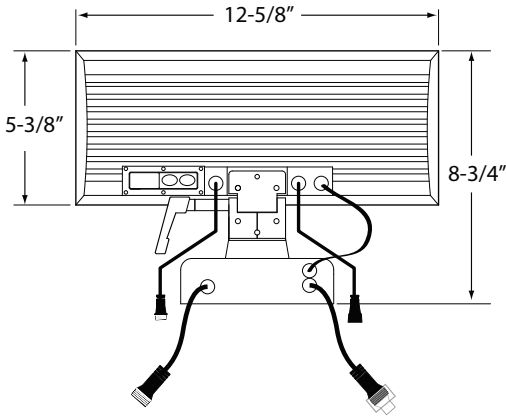
FEATURES

- Full RGB color mixing produces 16 million colors
- 36 high brightness LEDs create a bright wash of light, projecting up to 65 feet
- Link up to 30 Wall Washers in a single run
- Link multiple controllers together to create large scale synchronized lighting effects
- Adjustable angle design and easy installation maximizes on site flexibility
- Long life, low maintenance LEDs last up to 100,000 hours
- DMX compatible
- Durable free standing aluminum alloy housing is sealed for plug-in use in wet locations (with GFCI protection)

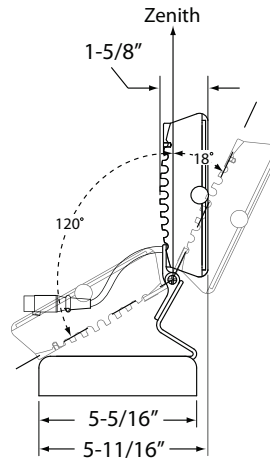


BUILDING FACADES SIGNS COLUMN LIGHTING FOUNTAINS STATUARY
NIGHTCLUBS HOTELS RESTAURANTS

REAR VIEW



SIDE VIEW



TECHNICAL SPECIFICATIONS

Voltage	120V AC, 50/60 Hz
Construction	Aluminum alloy housing and integrated driver, fully sealed for use in wet locations, black enamel finish
Dimensions	H = 8-3/4", W = 12-5/8", D = 5-11/16"
Control leads	12" input power and 12" output power adapter lead; 12" input signal and 12" output signal, mini 3-pin signal connector
Switching	Use switched outlet to control power to controller
Wattage	48 watts
Maximum run	3,250 between controller and final Wall Washer unit
Linking	Interconnect directly for 18" spacing; use fifteen foot signal cables and fifteen foot power extension cord (each interconnectable to create longer lengths) for linking multiples, indoor use only
Packaging	White box
LED specs	100,000 hour rated life, high power (1-watt) LEDs, Red: 2.4V, Green and Blue: 3.6V, 350mA, 5mm, 25° beam angle
Dimmers	Use with LW36-CON controller and switched 120V AC power supply
Diffuser	Clear polycarbonate lens
DMX	Compatible with USITT standard DMX512 output lighting control software

120

AC

P



LED WALL WASHER

INSTALLATION EXAMPLES

Figure 1

Provide a GFCI protected receptacle for each unit (outdoor installations).

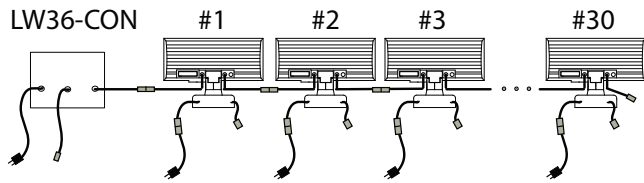
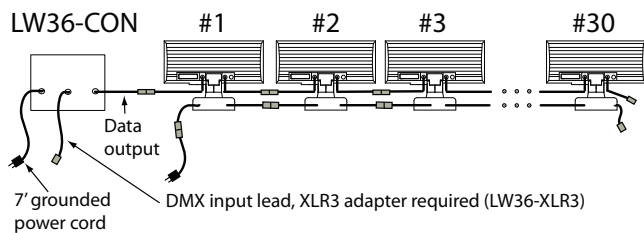


Figure 2

Daisy-chain power to units using LW36-EX15 power extension cable (indoors only).



BILL OF MATERIALS

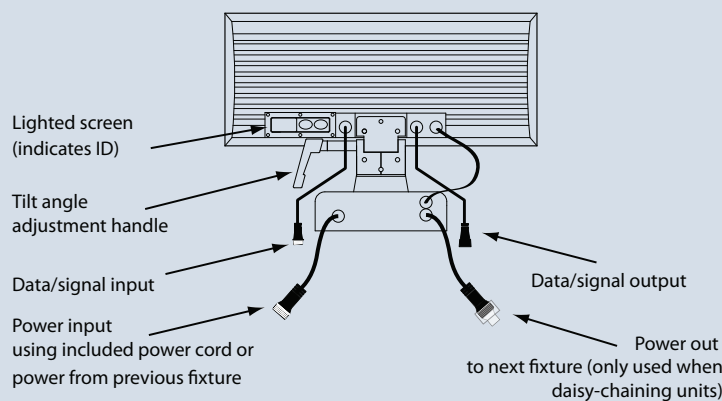
See layout examples at left and accessories list on facing page for assistance in determining a bill of materials.

- Determine height and width of area to be lighted
- Determine how far fixtures will be from area to be lighted
- Determine how many Wall Washers to be used*
- For synchronous color control, order one LW36-CON for each run of thirty units or less
- For advanced color control, order one LW36-CON and one LW36-XLR3 for each run of thirty units or less
- Determine quantity of fifteen foot signal cables, if needed
- Determine quantity of fifteen foot power cables, if needed (indoor use only). For outdoor use, ensure that each Wall Washer has a GFCI weatherproof outlet within five feet of its location.

Bill of materials for a three light system:

- (3) LW36-RGB
- (1) LW36-CON
- (2) LW36-EX15
- (2) LW36-EC15

* Depending on the distance that each fixture is located from the wall surface, a spacing of 18" - 30" is required for a continuous wall wash effect.



For a demonstration of simple effects (such as fixed color, color sequence and color wash), you do not need a controller. Each fixture is factory-set to ID = 1 as indicated on the lighted screen on the back of the array. (See illustration for location of lighted screen.) If the ID is left as 1, the unit will begin to advance through a factory-set color sequence "demo".

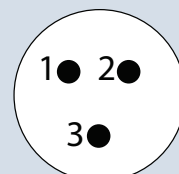
CONTROLLING COLOR CHANGING EFFECTS

The LW36-CON controller is required to produce synchronous color changing mixes. Various preprogrammed user buttons make it easy to set specific colors and also types of color sequences with separate fade rates. The LW36-CON controller must remain connected to the set of LED Wall Washers it is controlling.

For more advanced and/or customized lighting control, the LED Wall Washer can be connected to any standard USITT DMX 512 controller (such as Enttec controllers, Sunlite DMX software dongle kit, etc.) allowing the LED Wall Washer to be integrated into any type of automated or programmed light show. The adapter cable LW36-XLR3 is required to connect the LW36 Wall Washer's signal cable to XLR3 equipment.

DMX 512 products typically interface with either 5 pin or 3 pin XLR3 type connectors. Regardless of whether it is a 3 pin or a 5 pin system, the pin configurations for DMX 512 are standard on pins 1, 2 and 3:

- Pin 1 = Shield
- Pin 2 = DMX-
- Pin 3 = DMX+



UNDERSTANDING DMX

DMX stands for Digital Multiplex. DMX is a universal protocol for transmitting data on multiple channels over a single cable. There are 512 possible “channels” that are sent out from a DMX 512 console controller.

Imagine a cable TV service that sends out signals for 512 channels. By selecting one channel to watch, the “cable box” separates all the channel signals and delivers only the desired channel to the TV. Like a cable TV service, a DMX controller console will send up to 512 channels over a cable. A dimmer or an intelligent fixture such as the LED Wall Washer, which is designed to operate with USITT (ESTA) standard DMX 512 controllers, is capable of receiving several control channels at once. By giving the fixture an “ID” (like setting a TV to a desired channel), that fixture will decode the signal and output only the desired effect.

DMX ADDRESS SETTINGS

All fixtures should be given a DMX starting address (also known as an “ID”) so that the correct fixture responds to the correct control signal. This digital starting address is the channel number at which the fixture starts to “listen” to the DMX control information sent out from the DMX controller.

The back of the LED Wall Washer has an LCD screen that displays the ID of the fixture. To change the ID, press the UP or DOWN button adjacent to the LCD display. Addressing multiple fixtures with the same ID will make those fixtures do the same lighting scenes at the same time.

Typically, various IDs are separated by three DMX channels to aid in future revisions and/or additions. For example:





First Set/Fixture: 001
 Second Set/Fixture: 004
 Third Set/Fixture: 007
 Fourth Set/Fixture: 010
 etc.



ORDERING INFORMATION

PRODUCT	OPTIONAL
LW36 LED Wall Washer	LW36 — <input type="checkbox"/> LED Wall Washer Accessories CON EC15 EX15 XLR3

ACCESSORIES

-		LW36-EC15	Signal cable for LED Wall Washer, 15' length with male and female mini 3-pin connectors, interconnect multiple signal cables to create longer lengths, UL Listed
-		LW36-EX15	Power cable for LED Wall Washer, 15' length with male and female power connectors, interconnect multiple power cables to create longer lengths, for indoor use only, UL Listed
-		LW36-XLR3	Adapter cable for DMX protocol, 24" length Use with LW36-CON to interface with industry standard XLR-3 DMX compatible equipment
-		LW36-CON	Controller for LED Wall Washer, controls up to 30 units, user programmable; or use as DMX interface with USITT standard DMX 512 software, such as Sunlite's computerized lighting system. 120V AC power cord, six foot length, UL Listed