

WW2F Flood Light Series

What is it used for?

[WW2 flood light series](#) is family of LED fixtures suitable for wet, damp or dry locations and can be used indoors or out. The fixtures are available in static white colors of Warm White and Neutral White.

What is unique about it?

The important differences between JESCO WW2 Flood Lights and other similar-looking products are as follows:

- 1) **c-UL-us listing** – We have installation options specifically aimed at US and Canadian residential and commercial applications.
- 2) **Universal Voltage** - The WW2 Flood Lights series of fixtures has a universal voltage input of 100VAC to 277VAC and requires no additional power sources.
- 3) **Quality** – JESCO has the highest quality LED sources of our own specification.
- 4) **Depth of line** – We offer many sizes and wattages to meet every design need.

Reliable, sophisticated, installation-friendly and code-compliant. All of which add up to a turnkey product line that remains the one of the industry leaders today.

What is the maximum run length possible using the WW2 Flood Light series?

Each fixture is wired individually with a 59" electrical cord.

Is there a minimum installed run length for the WW2 Flood Light series?

The minimum installed is one fixture.

How do I mount a WW2 series fixture?

Decide on your mounting location keeping in mind that these fixtures are not submersible. Each fixture is provided with an adjustable yoke which is attached to your structure using the appropriate means for your specific application. See the individual instruction sheet for detailed installation information.

Is the WW2 series waterproof?

Yes, the series is UL listed for use in wet and damp locations and is designed to meet an IP65 rating.

Please note that the fixture cannot be submersed in water.



What is the standard operating voltage for the WW2 Flood Light Series? Can I plug the fixture directly in to a standard 120V US outlet?

No, the flood lights are provided with a 59" three conductor cord with stripped wire ends. The flood light series has a universal voltage input of 100VAC to 277VAC.

Can the WW2 be mounted in indoor applications?

Yes. These fixtures are often used indoors to wall wash interior walls and architectural features of retail and commercial spaces as well to highlight indoor garden trees, etc.

Is there anything special I need to do when mounting the fixture outdoors?

No. The only requirement is that the power supply connection is done to meet local codes.

Can I control it? Can I connect it to my building control system?

The flood lights are on/off only but can be connected to timers or to building controls for use in that manner.

How do I replace a WW2 Flood Light fixture?

Typically, you will not see any failures in our WW2 series fixture for many, many years. In the rare event of a premature failure, a fixture can be replaced within an installed run by simply removing the bad fixture and replacing it with a new one.

What are the recommended applications for the WW2 Flood Light series?

WW2 Flood Light Series wall washers and flood lights can be used outdoors or indoors. Applications include stores, restaurants and nightclubs on interior/exterior walls, columns and curtains; indoor/outdoor sculptures; retail windows and showroom backgrounds; highlighting of high-rise structural details; light residential, restaurant and hotel facades for security purposes; lighting of parks to improve safety and evening enjoyment; building entries and lobbies.

How long do your LEDs last?

JESCO LEDs in the WW2 family are designed to meet or exceed a Rated Lumen Maintenance Life or L_{70} of 50,000 hours (Meaning the LEDs will maintain at least 70% of their original lumen output after the fixture has been on for 50,000 hours).

That being said, exceeding the operating temperature values may damage the LEDs by reducing the lifespan, lumen output, and/or adversely impact color consistency. It is recommended that adequate airflow and heat sinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure and void the warranty. See the product specification sheets for more information.



Why choose LED over any other type of lighting?

LEDs have caused a revolution in lighting. JESCO has helped lead that revolution. We were one of the first manufacturers to make the shift to the LED light source many years ago. Our LEDs are of the highest quality and they are time-tested to be dependable.

There are many reasons to make the switch to LED products. Some of the reasons include:

Technological Impact

LEDs are solid state, light emitting chips that are not encased in fragile glass enclosures or use delicate and inefficient filaments. LEDs are vibration resistant. They also do not need to warm up as they are an instant-on light source. LEDs currently offer life expectancy of 50,000 hours, on average. LEDs offer much more control of correlated color temperatures and provide the option to add color(s) either monochromatically or through RGB technology. The chips are miniscule in size which allows manufacturers to design much smaller fixtures and allows designers and end users much greater flexibility incorporating and installing these fixtures on their projects.

Financial Impact

The long life expectancy means a higher rate of return on investment – installed fixtures can last, at least, 10 years (depending on the design, the lifespan of the power source and the duty cycle of the fixture) with no maintenance. No maintenance means no labor costs and no replacement lamp costs associated with installed fixtures and lamps over the life of the fixture. Fixtures mounted in high or hard-to-reach locations are the prime candidates for LED lighting. LEDs are very efficient light sources and are cool to the touch unlike incandescent light sources which release 90% of their energy generated as heat. Due to the inherent cooler running temperatures of LEDs, HVAC system design loads can be scaled down. LEDs use much less energy per fixture than standard light sources guaranteeing savings in electrical costs far into the future. Lastly, many local energy providers are currently offering rebates to customers making the switch to LED fixtures.

Environmental Impact

LEDs are easily recyclable. They contain no mercury or lead which require special handling and disposal. LEDs do not emit harmful UV/IR which discolors fabric, furniture and artwork. The U.S. Department of Energy [estimates](#) that rapid adoption of LED lighting in the U.S. by 2027 could deliver savings of about \$265 billion, avoid the building of 40 new power plants and reduce lighting electricity demand by 33% in 2027.

All or even one of the above stated reasons may be the right reason for you to choose a fixture with an LED light source.

The last important factor when choosing an LED fixture is scrutinizing the manufacturer of the LED chip and the incorporation of this chip into the design of the lighting fixture. As the United States EPA and DOE Energy Star program states on its website “Bad design can lead to a wide range of problems, some immediately observable and some not. Poorly designed products often come with exaggerated claims while failing to deliver on the quality specifications provided.” Our LED products are designed around the LED light source and not the other way around making for a well-designed, color consistent and extra long-life fixture with a proven track record. With all our LED products, JESCO offers layout assistance and technical support helping make specification, as well as installation, simple.

Therefore, always look for reputable and trusted sources of LEDs and LED fixtures - be it JESCO Lighting or anyone else.

