LED Sleek Plus Series – S201, S401 & S402

What is it used for?

The LED Sleek Plus series is the LED version of our award winning Fluorescent Sleek family. All these products can be used in undercabinet, cove, and shelf lighting as well as backlighting of signs and panels. The LED Sleek Plus can be linked for longer runs and is available in an adjustable version for better control of light output.

What is unique about it?

The important differences between JESCO's LED Sleek Plus and other similar-looking products are as follows:

1) **UL listing** – We have several installation options specifically aimed at US residential and commercial NEC code compliant specifications

2) **Product design** – JESCO has the highest quality LED sources of our own specification. Our unique plug and play system simplifies installation and is a favorite with installers across the country.

3) **Accessories** – JESCO offers a deep line of accessories with a multitude of contractor hardwire and plug-connected installation options all intended to simultaneously satisfy the designer, the installer and the electrical inspector - all while pleasing the owners bank account and eye.

What is the standard operating voltage for the LED Sleek Plus series?

These products are a line voltage system and work at standard 120V.

What is the maximum run length possible using LED Sleek Plus series?

The S201 and S401 are both linkable and have maximum run length of 80ft. This 80ft length refers to fixture length and does not include any connections between the fixtures thereby extending the overall reach of the product. The overall maximum reach needs to be determined by a qualified electrician based on the layout of the run.

The S402 is a stand-alone product and is not linkable. The fixture is available in nominal lengths of 12", 18" and 24".

Is there a minimum installed run length for the LED Sleek Plus series?

No, there is no minimal installed length.

How can I connect lengths around obstacles?
Do you have a jumper cable?

The Sleek product line has an extensive offering of connecting cables for every application – from 6" to 36".

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How do I handle awkward entry angles for my power cords?

We offer a standard straight power cord in various lengths (SG-PCxx) as well as a 6 foot right angle version that enters from the front (SG-PCLL) and a 6 foot right angle version that enters from the back (SG-PCL) to help meet all your wiring needs.

How do I mount the LED Sleek Plus?

The Sleek Plus mounts with our mounting clips. Two 0^0 and two 45^0 clips are provided with each fixture.   We also offer 90^0 clips and fully adjustable clips which help meet any mounting situation.

Is the Sleek Plus LED waterproof?

No, the Sleek Plus LED is not designed for use in wet locations.

For wet location applications please refer to our DL-RS Rigid Strip LED wet location product line which is specifically designed for Wet and Outdoor installation conditions.

Can I plug the LED Sleek Plus directly in to a standard 120V US outlet?

Yes, this product line plugs into any household or commercial three prong outlet.

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

No. This is system is not dimmable. It is an on/off system only controlled by a remote or in-line switch.

The S402 has an on/off switch at the fixture end.

What are the different color temperatures of the LED Sleek Plus?

We offer our LEDs in Kelvin color temperatures of 3000°K, 4000°K, and 6000°K.

The lower the color temperature the warmer the color - 3000°K is considered warm white and 6000°K is considered cool white.

How do I replace the LED Sleek Plus?

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

What are the recommended applications for the LED Sleek Plus?

Recommended applications for the Sleek Plus series include coves, display cases, offices stores and restaurant, architectural features, corporate showrooms and exhibition display, residential shelves

and counters, accenting point of purchase display, signage applications, backlighting of glass and acrylic panels or cut out forms, lighting toe-kick areas, undercabinet task lighting.

How long do your LEDs last?

JESCO LEDs 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 light 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.

Do the colors of your LEDs vary?

We offer LEDs in specific white color temperatures. All our LEDs are designed to maintain their color over time and across the maximum length of a run.

We exceed the market's highest standards by specifying the exact color bins when we select LEDs so that they do not fluctuate more than ±200° for warm color temperatures and ±300° for cool color temperatures. This meets or exceeds the recognized standards for color quality and guarantees uniformity and consistency of hue and correlated color temperature across LEDs, fixtures, and manufacturing runs.

That being said, inherent to any commercial rigid strip product, individual LEDs within a strip may vary slightly but the overall color temperature of the rigid strip will fall within our tight specifications listed above.

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 no 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.