

# Contempo L514/L524 LED Trackheads

## What is it used for?

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The [L514/L524](#) Contempo next generation LED track heads provide designers with the means to specify energy efficient, LED track fixtures that meet or exceed their demands in luminous flux density, product flexibility, and overall design for general lighting, accent and display applications.

## What is unique about it?

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The important differences between JESCO LED Contempo trackheads and other similar-looking products are as follows:

- 1) **Energy savings** - Available in our three most popular H, L and J track fittings, the new Contempo track heads are a green alternative to standard low voltage MR16, AR111 as well as line voltage incandescent/halogen PAR30 and PAR38 lamp sources. With a 5-year warranty, these long life, low power fixtures greatly reduce energy consumption and the need for lamp replacement.
- 2) **Infinitely Positionable** - The track heads can be positioned in every imaginable position and adjusted easily using the aim indicators marked on the fixtures.
- 3) **Customizable** - To meet specific application needs and design requirements, these trackheads are fully customizable with the use of various field-replaceable reflectors and lens accessories. The reflectors present a variety of beam spreads. An optional media holder accommodates up to two lenses, adding control over color, pattern and diffusion of the light output.
- 4) **Product design** - The Contempo die cast aluminum track fixtures feature state-of-the-art LED light sources with high lumen output and a CRI of 85. The line voltage (120V) fixture integrates all its driver and LED technology in a sleek package making it a turnkey product ready as soon as it is snapped onto a track.

## How do I correctly specify the Contempo LED?

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- 1) First you select the type of track system you have and which fitting is required - H, L or J. Add the letter to the front of our Contempo item number (ie.- HL514-30-S).
- 2) Next you select a field changeable Reflector with the desired beam spread:  
RF-13C11773 - Narrow 13°  
RF-28C11775 - Medium 28°  
RF-48C11776 - Wide 48°  
RF-56C11777 - Very Wide 56°
- 3) Lastly, you select a field changeable Front Cover:  
L5X4-FCS-CLEAR which includes a fixed, Clear Lens.  
L5X4-FCS-SOFT which includes a fixed, Softening Lens (Solite).  
L5X4-MHS which is a Media Holder for up to 2 lens accessories (sold separately)

If you are specifying the L524, please note you need to specify TWO Reflectors and TWO Front Covers - they do not necessarily need to be the same.



## How can I control the light output?

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You can select a field changeable front cover which provides two options:  
L5X4-FCS-CLEAR which includes a fixed, Clear Lens  
L5X4-FCS-SOFT which includes a fixed, Softening Lens (Solite)

You can also select the L5X4-MHS Media Holder for up to 2 lens accessories (sold separately). Each individual trackhead can also be controlled with the use of [optional lenses](#). This holder holds one or two MR16 type lenses, such as dichroic color filters, frosted lenses, softening lenses, linear diffusers or prismatic diffusers, and provides the ability to customize the desired look and output to meet specific lighting needs.

## What is the standard operating voltage for the L514/L524 Contempo fixtures?

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

## What is the color temperature offered?

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The fixtures, which are tightly color controlled within a 3-step MacAdam Ellipse, are available in a Correlated Color Temperature (CCT) of 3000K.

## How do I replace the Contempo LED fixture?

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Typically, you will not see any failures in our L514 or L524 Contempo for many, many years. In the rare event of a premature failure, simply unclip the fixture and replace it with a new one.

## Can I control it?

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

## What are the recommended applications for the Contempo LED?

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The Contempo series track heads are designed for equal adaptability in retail, hospitality, healthcare, office and residential applications. These professional grade fixtures offer the benefits of zero maintenance, high energy efficiency, maximum flexibility and outstanding product performance.

## How long do your LEDs last?

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JESCO LEDs in the Contempo 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 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?

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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 are tightly color controlled within a 3-step MacAdam Ellipse. This meets or exceeds the recognized standards for color quality and guarantees uniformity and consistency of hue and color temperature across LEDs, fixtures, and manufacturing runs.

## Why choose LED over any other type of lighting?

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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.

