



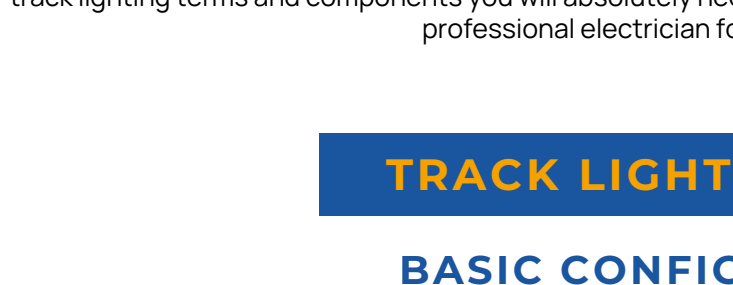
## TRACK LIGHTING GUIDE

Track lighting can be an extremely confusing and overwhelming checklist for anyone who does not deal with the product daily. We at Butler can help you find lighting for nearly every facet of your home lighting experience.

No matter the project, remember to focus on functionality and getting the job done. The extensibility of the application(s) for track lighting can add up through the amount of material needed as well as manpower for installation so it is important to have an understanding and a good plan.



### BUDGETING



Track lighting costs will come down to the extensiveness of the project, how much material is needed, whether you decide to use up-to-date LED lighting, and how savvy you would like to accommodate it. Most track lighting projects, from a materials point of view, are not very expensive.

Start with what you need and then look at your options available within those guidelines. Here are some typical track lighting terms and components you will absolutely need when planning something like this. Consult with a professional electrician for the best results.

## TRACK LIGHTING TYPES

### BASIC CONFIGURATIONS

The best choice will depend on your personal style and the space where the fixtures will be installed as well as any specs or spec guidelines to follow. Basic track configurations by Nora, WAC Lighting, and Tech Lighting come in variations of 2-4-6-8-12 feet and in most cases can be cut for custom sizing (when using straight track). Track type (track head compatibility for connection), 1 or 2 circuit tracks, as well as deciding on whether to use a low-voltage track configuration is your next step in the selection process.

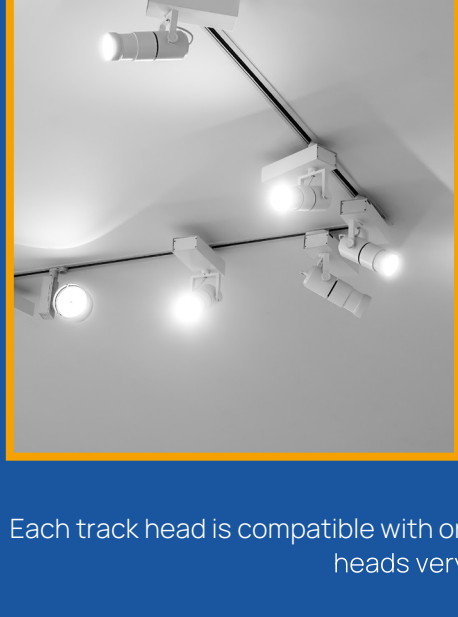


### TRACK LIGHTING VOLTAGE OPTIONS

**• Line:** standard wiring providing 120 volts. These are easier and less expensive but come with less optionality. Long-term costs and maintenance could add up. Think of the life of the project.

**• Low Voltage:** Low voltage uses a transform as a middleman instead of direct wiring. This ensures more energy control as well as more optionality of track heads and light sources. These cost more upfront but help with longevity.

## COMMON CATEGORIES OF TRACK



- Straight Track
- Rail
- Monorail
- Fixed

### TRACK TYPES

These styles are directly related to how the canopy on the track head is connected, you cannot use different styles. However, in some cases, you can mix and match brands as long as the track and head canopy style is the same. But this is a last resort option and not recommended.

The letters represent WHO was the first to make these fixture types. Here are the three types:

- Juno, known as J style is a 2-wire track system
- Halo, known as H style is a 3-wire system
- Lightolier, known as L style is a 2-wire system

Each track head is compatible with only the corresponding track! This makes adding and removing the heads very easy, they usually just clip on and off.

## TRACK LIGHT BULB TYPES



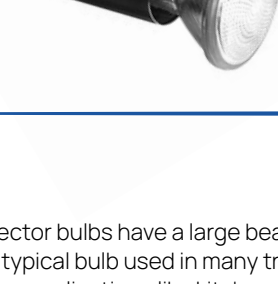
### TRACK LIGHTING VOLTAGE OPTIONS

**• LED Track Light Bulbs:** The buzzword around the industry is your best option. Check to ensure that the bulbs are compatible with line voltage or low voltage. It may cost upfront but the benefits are profoundly greater than other options.

LED integrated track heads No bulb! Check to ensure that the bulbs are compatible with line voltage or low voltage. The light source is built into the fixture and in most cases can be removed and replaced. This takes the bulb searching out of the equation as well as replacing bulbs. Warranties on all LED bulbs/fixtures range from 2-5 years!

**• Halogen:** The closest to LED. These give off heat as well as expand while cooling and sometimes shattering. These are very bright and still used in some cases for the type of light it emits compared to LED.

## THE TYPICAL LAMP STYLE USED FOR TRACK



### BR LAMP STYLE

Bulb Reflector bulbs have a large beam spread and larger bulb style and is the typical bulb used in many track lighting applications. Used in bigger applications like kitchens, living rooms, and open areas.

- BR20
- BR30
- BR38
- BR40

### MR LAMP STYLE

Bulb Reflector bulbs have a large beam spread and larger bulb style and is the typical bulb used in many track lighting applications. Used in bigger applications like kitchens, living rooms, and open areas.

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### PAR LAMP STYLE

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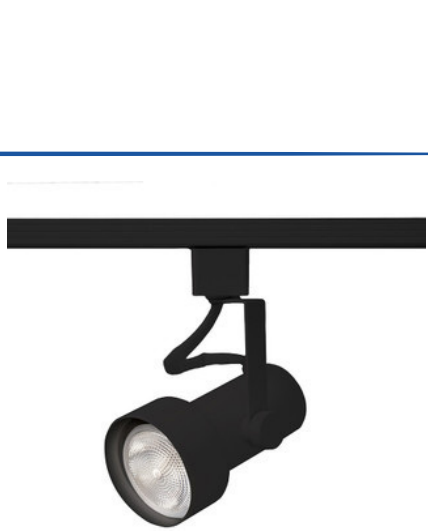
- BR20
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### BR LAMP STYLE

Bulb Reflector bulbs have a large beam spread and larger bulb style and is the typical bulb used in many track lighting applications. Used in bigger applications like kitchens, living rooms, and open areas.

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## TRACK HEADS

### Please Remember!

Track heads must match the type of track installed on the site.

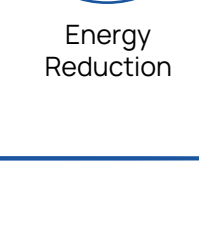
Track head selection comes down to preference, application, and style. Always keep in mind compatibility with your track and power supply type.



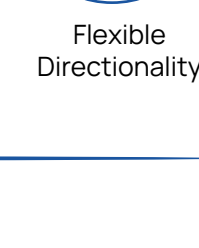
**NORA LIGHTING**  
Nora Lighting | NTE-875L935X18W | White | Mac XI 18W LED Track Fixture 3



Efficient Lighting



Energy Reduction



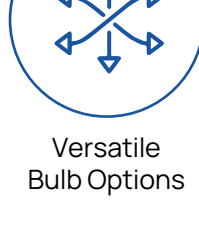
Flexible Directionality

## SOCKET BASED TRACK HEADS

Socket based track heads offer versatility, allowing you to choose and easily replace different types of bulbs to achieve the desired lighting effect. Simple design for easy installation on track systems, offering a quick and convenient lighting solution.



**NORA LIGHTING**  
Nora Lighting | NTH-920B | Track Collection | Black | Arch Par Cylinder, Par 20



Versatile Bulb Options



Simple Installation



Quick Lighting Solution

## POWER SUPPLY AND EXTENDING POWER SUPPLY

Is your junction box off-centered or nonexistent? Need guidance on placement?

Many options are not hugely expensive but knowing what to use and when to use it is the pivotal part. If you forget one of these small parts it could set you back in lost time and electrician fees.



### Here are common ways of connecting power to the track:

- **Live end feed**, this is a feed at the end of the track run where the power is connected to the junction box.
- **Floating Canopy**, this can be placed anywhere on the track itself. This is a great option for awkward junction box positioning.
- **Fixed Canopy**, these canopies are set in stone on the fixture. The canopy would directly cover the junction box and the fixture will be installed as is. Not a lot of optionality.

### Typical Connectors Used:

- **Straight Connector** - connecting or extending a track run
- **T Connector** - Looks like the letter T
- **I Connector** - Looks like the letter I
- **L Connector** - Looks like the letter L
- **X Connector** - Looks like the letter X

## WIRE COVER CONNECTOR



**NORA LIGHTING**  
Nora Lighting | NT-2310W | Track Collection | White | Straight Connector, 2 Circuit Track



**NORA LIGHTING**  
Nora Lighting | NT-309W | Track Collection | White | Flexible Connector For 1 Circuit Track



**W.A.C. LIGHTING**  
W.A.C. Lighting | WAC Lighting | J2-X-BK | 120V Track Collection | Black | Track Connector



**NORA LIGHTING**  
Nora Lighting | NT-307W | Track Collection | White | Floating Canopy Feed For 1 Circuit Track

## HOW TO INSTALL

- 1 The first step in installing track lighting is to plan the layout of the track and position of the light heads. Measure the space where the track lighting will be installed and sketch out a plan to determine the best placement of the track and the light heads.
- 2 Proceed with installation after planning. Depending on your system, attach the track to the ceiling using screws or brackets. Run electrical wire to the track and connect it to the power source.
- 3 After the track is installed, you can attach the light heads to the track. This typically involves sliding the light head onto the track and securing it in place with a locking mechanism.



## ENERGY COSTS

Energy costs are an important factor to consider when selecting track lighting for your home. The cost of operating track lighting can vary depending on several factors, including the type of light bulbs you use, the intensity of the lights, and how often the lights are used. Another way to reduce energy cost with track lighting is to use timers or smart controls to turn off lights when they are not needed. This can help prevent unnecessary energy usage and lower your energy bills.



## WHY BUTLER?



We at Butler Lighting have been fulfilling the lighting needs of our customers since 1948. Whether you need lighting for your home, multi-family project, or restaurant, we can provide whatever lighting that you need. We will work within your budget to get your lighting to a state that you will love. As a family-run business, we put an emphasis on communication and a commitment to hard work. We at Butler work with over 150 vendors to and we can handle any lighting job you can throw at us. If you have a lighting job, or a job that requires fans that needs to be finished contact us today, and we'll take your lighting to the next level.

## WALL SCENCE FAQs



### What are some benefits of using track lighting?

There are several benefits of using track lighting, including the ability to adjust the direction and intensity of the light, the flexibility to add or remove heads as needed, and the ability to create a customized lighting plan for a room or space.

### How to choose the right track lighting for my space?

To choose the right track lighting for your space, consider your budget, the design style of the room, the purpose of the lighting (task, accent, or general illumination). Measure the space and sketch out a plan to determine the best placement of the track head.

## CONTACT US

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