



TENSION FAMILY

The Tension system, the latest innovation in track lighting, is ideal for applications in locations where luminaires cannot be suspended from the ceiling, such as in open office spaces with tall ceilings. This design provides a solution by attaching its turnbuckles to two walls up to 65' apart, installed straight at 0° or up to 45° in any direction – an innovative and practical, yet stylish, piece perfect for any modern building.

The Tension's available track head options are in-line linear, spot, pendant, pendant-linear, and cylinder. The Tension 48V DC track system is available with multiple sleek, slender, and compact track heads that can be mounted onto any part of the track with an easy-installation 2-step method. Simply click the track head connector into place, then secure the luminaire with the locking mechanism provided. This quick and intuitive process allows users to interchange one Tension-compatible luminaire for another for a design that adapts to the user's preferences, updating to match any design or application, current or future.

This wide, flexible design can provide continuous light ideal for a high-end office with practical, yet aesthetic lumination. Concealed uplight tape and track conductors provide indirect lighting for an elegant look.

Utilize Diffused or Downlight linear or pendant, small or large spot, and sphere or cylinder track head to customize your type of lumination: visual focus, highlights, or pendant lighting effects designed for a plethora of applications, such as galleries, museums, hospitality spaces, retail spaces, corporate offices, and residential spaces.

CONSTRUCTION

All track heads are engineered to have an extremely long lifespan and service period by using cool LED's Advanced Thermodynamic Design, which includes an extruded aluminum body, a hidden diecast heat sink, and a thermal management system.

LED MODULE PERFORMANCE

The Tension System's luminaires are equipped with 2-step McAdam Eclipse LEDs, which provide consistent color across all fixtures, and 90+CRI. The LEDs are available in a variety of Kelvin temperature options.

FINISH

The Tension track system is available in a powder-coated black post-paint finish.

The Tension luminaires are all available in a powder-coated black or white post-paint finish.

DRIVERS

The Tension System is powered by constant voltage drivers with a rating of 50/60Hz at a 120/277V input and a 48V output. They produce less than 20% THD, have a 90% power factor, and are thermally protected for additional safety. Driver wattage is only available in 100W and can power up to 6 ft. of track. Tension drivers can be remotely mounted, and are available in 0-10V 1 % Dimming. Please see Tension track system spec sheets for a complete list of drivers and capabilities.

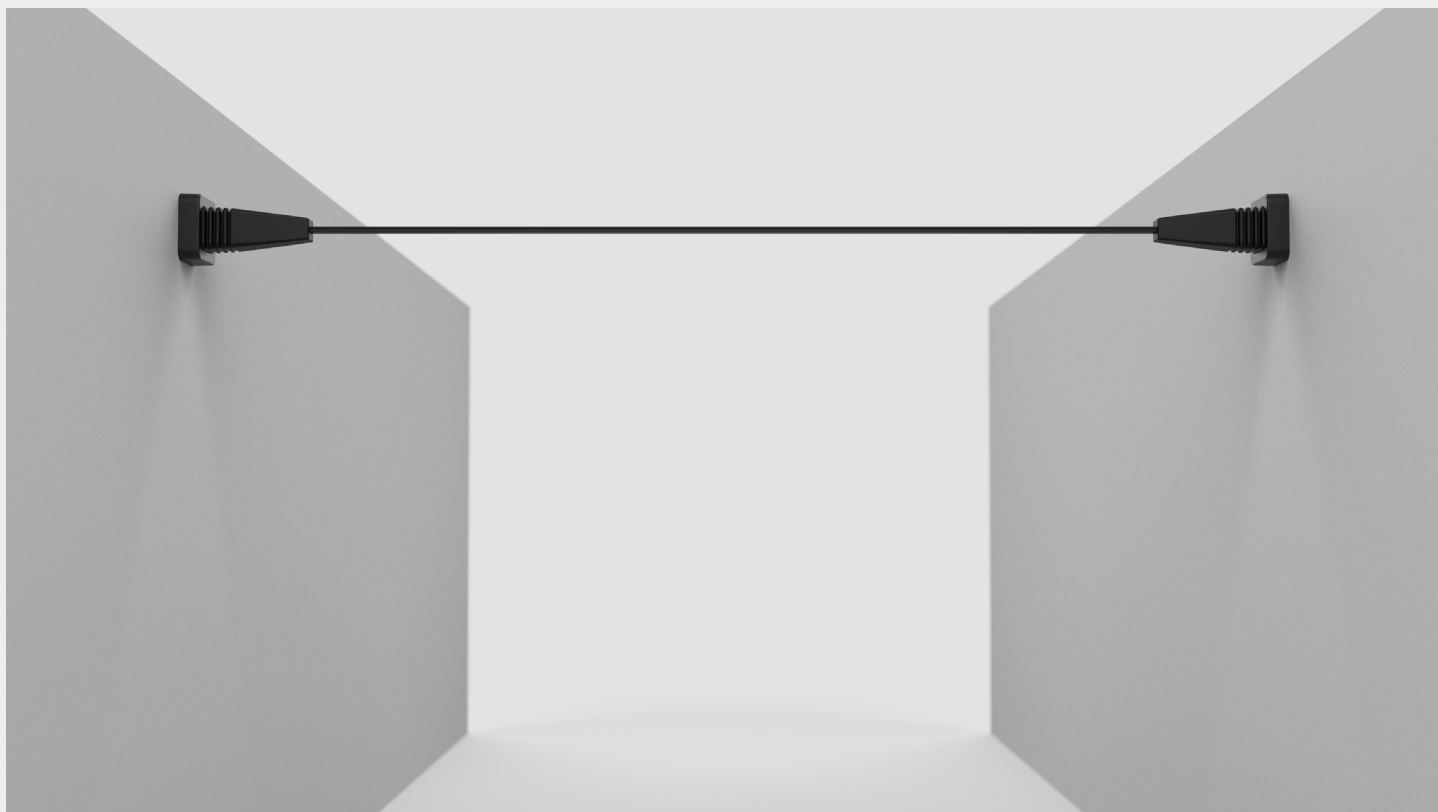
Remote Mount Driver Options:

0-10V dimming on either MVOLT 120, 277 Dimmable down to 1% of initial lumens.

FT-DR- ELG-100-48: 60W @ 120V or 85W. @ 277V.

TENSION TRACK OPTIONS:

● BK - (black)



❶ **FT-20-BK** / (20 ft Original Length) / Cuttable

❷ **FT-40-BK** / (40 ft Original Length) / Cuttable

❸ **FT-60-BK** / (60 ft Original Length) / Cuttable

Maximum Length	65 ft
Maximum Wattage for one Tension System	100 Wattage
Maximum Load Capacity for one Track	70 lbs

TENSION TRACK INFORMATION

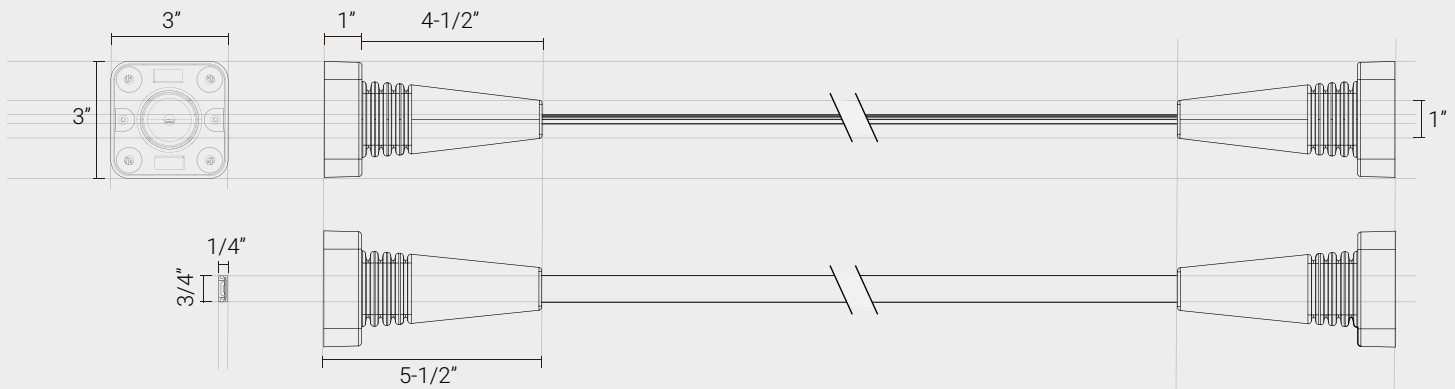
Both sides of the Tension track system must attach to a solid beam or stud to maintain stability. Securely attach your desired Tension track system brackets on each side to a solid beam or post (beam or post of 2" or greater thickness) using the 4 screws that are provided.

Create your own dynamic designs by running the tension on different walls at different points. The Tension is available in two options for your desired amount of indirect lighting: with and without uplighting. The Tension with uplighting provides soft and aesthetic illumination for an alluring effect. The Tension without uplighting provides lumination focused beneath the fixture ideal for rooms requiring less light than the uplighting option, such as for lower ceilings.

Fixtures can be installed individually or combined with each other to create the perfect design. Multiple linear fixtures can be mounted next to each other on one track for continuous rays of illumination.

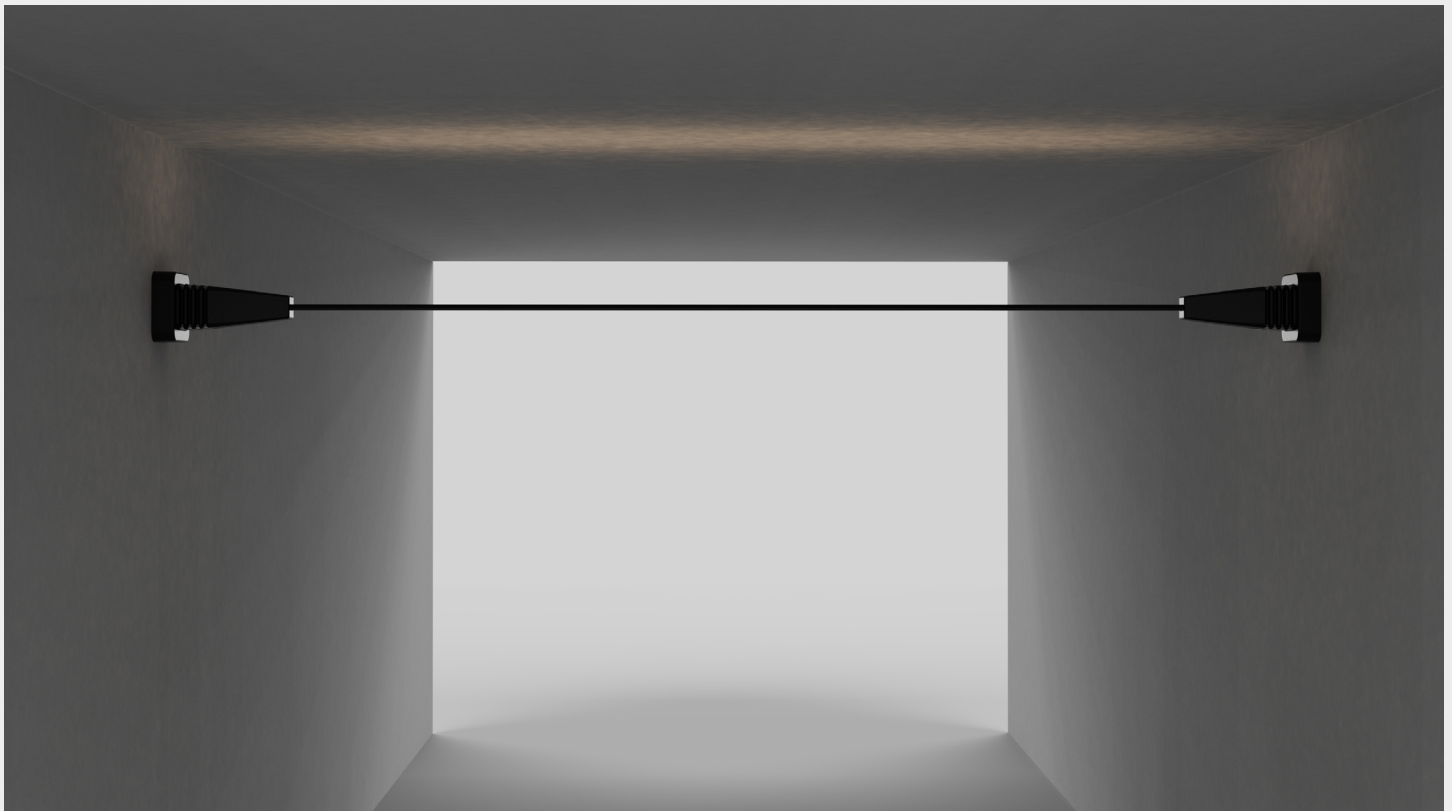
The Tension's available track head options are in-line linear, adjustable linear, spot, pendant, cylinder, and suspended. Many track heads are crafted with black interiors and TIR optics, providing precise beam control and reducing glare. Most track heads that are available with optics are field-changeable, with various lumen and distribution options.

Subsequently, the system can be used for accent, task, and general illumination, making it ideal for a plethora of applications, such as galleries, museums, hospitality spaces, retail spaces, corporate offices, and residential spaces.



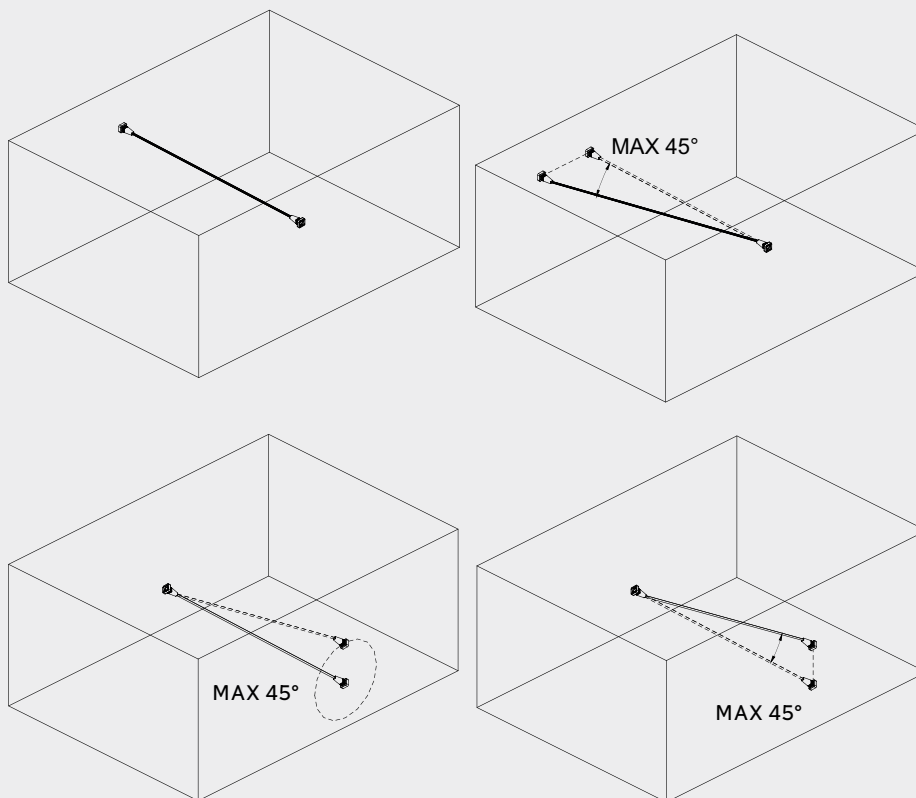
TENSION UPLIGHTING (OPTIONAL)

The Tension is available in two options for your desired amount of indirect lighting: with and without uplighting. The Tension with uplighting provides soft and aesthetic illumination for an alluring effect. The Tension without uplighting provides lumination focused beneath the fixture ideal for rooms requiring less light than the uplighting option, such as for lower ceilings.



MAXIMUM ANGLE: 45°

The Tension track is available to install with a maximum 45° in any direction between walls.



EXTERNAL DRIVER OPTIONS:

ELG-75 Series Constant Voltage + Constant Current Driver								
Model	Input Voltage	Output Voltage	Wattage (@120VAC)	Wattage (@277VAC)	Rated Current	Efficiency	Frequency	Power Factor (Normal)
ELG-75-48	120-277VAC 2	24-48V	60W	76.8W	1.6A	90%	50-60Hz	.9

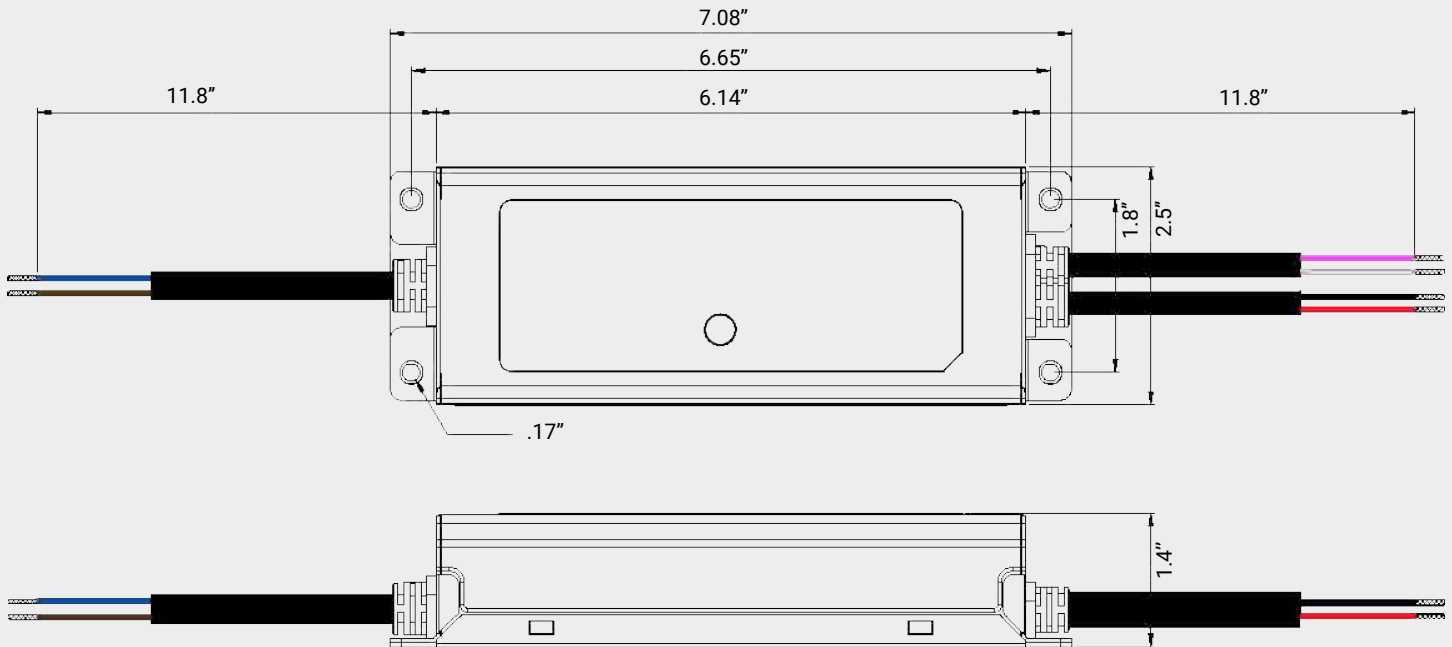
0-10V & DALI dimming only

ELG-100 Series Constant Voltage + Constant Current Driver								
Model	Input Voltage	Output Voltage	Wattage (@120VAC)	Wattage (@277VAC)	Rated Current	Efficiency	Frequency	Power Factor (Normal)
ELG-100-48	120-277VAC	24-48V	70W	96W	2A	90%	50-60Hz	.9

0-10V & DALI dimming only

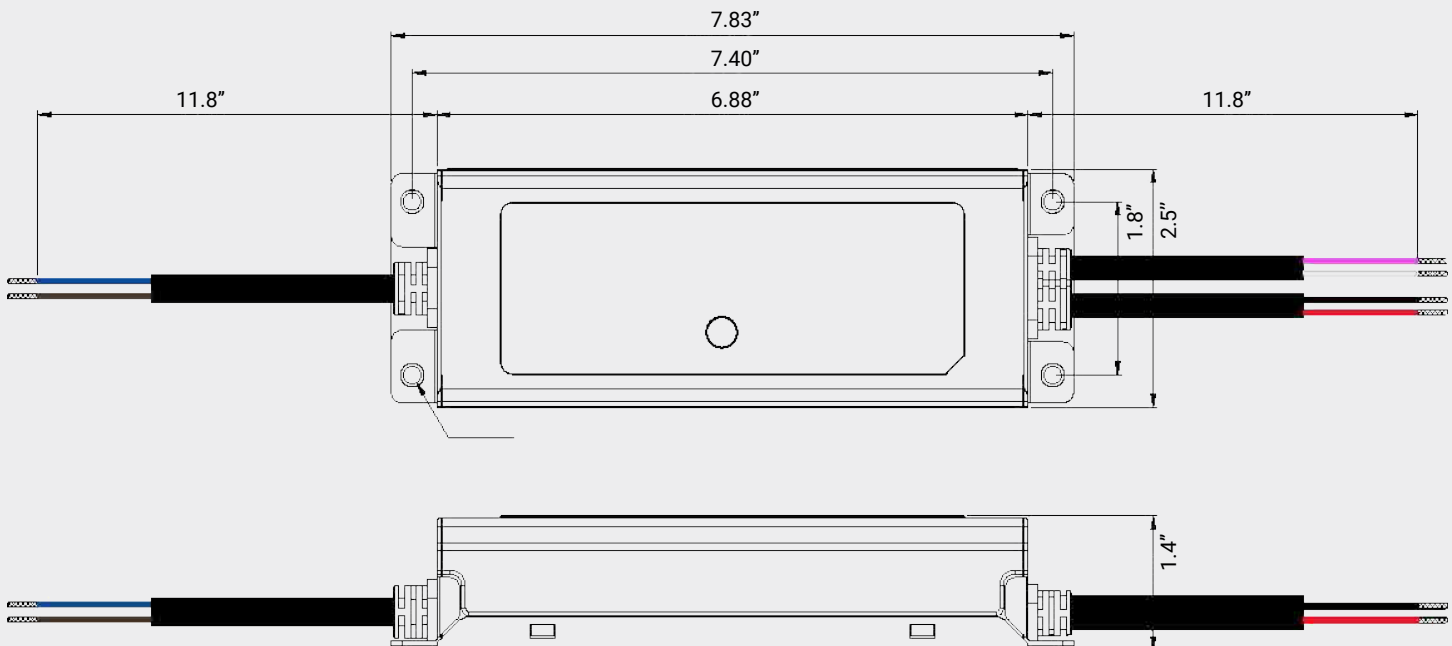
DRIVER: ELG-75

Unit: Inches

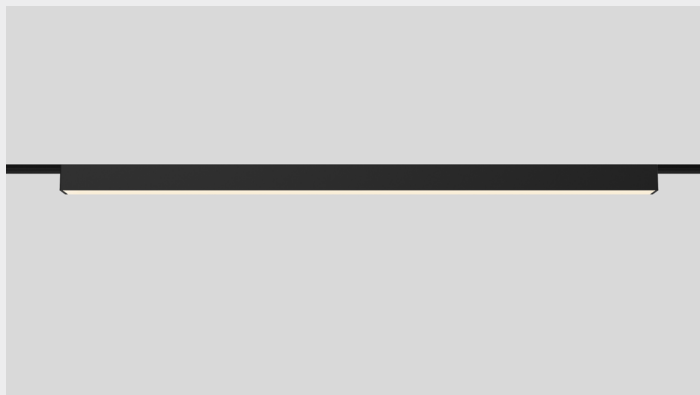


DRIVER: ELG-100

Unit: Inches



LIGHT MODULE EXAMPLES



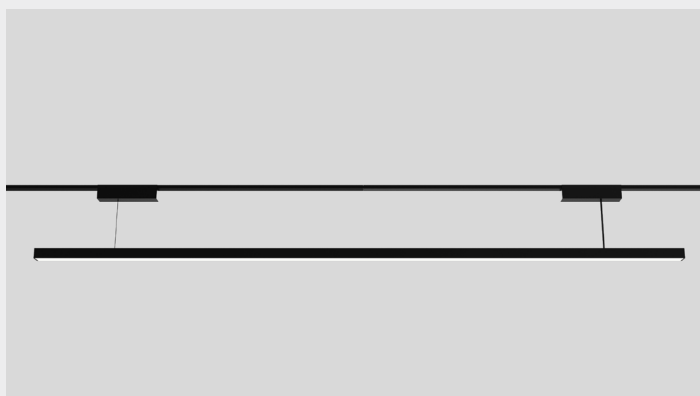
Diffused

FT-L1R-11 / 22 / 33



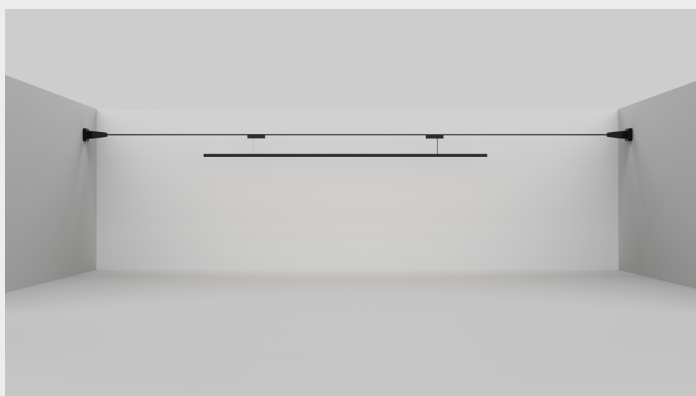
Downlight

FT-L4R-11 / 22

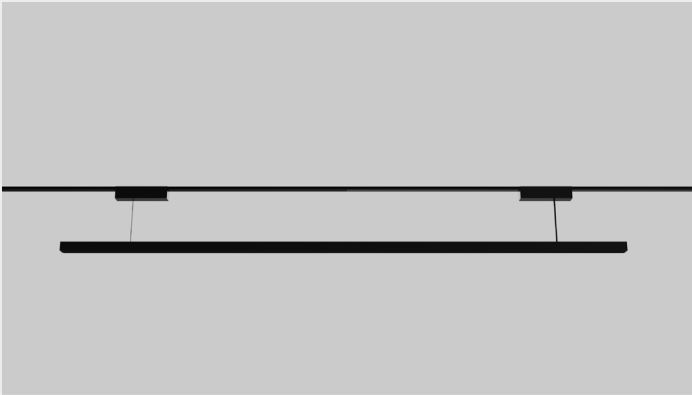


Pendant Diffused

FT-L1P-44 / 66

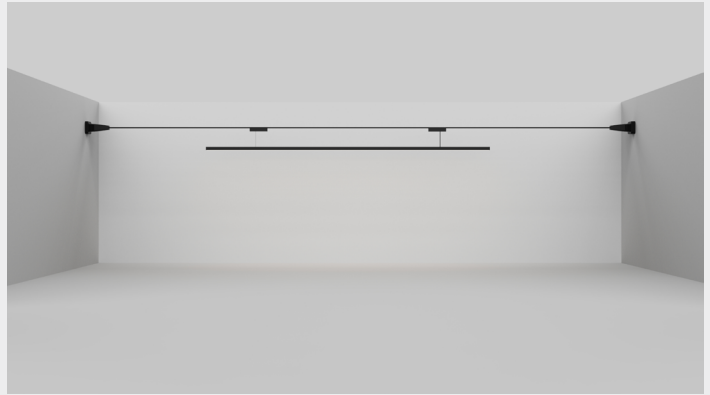


LIGHT MODULE EXAMPLES



Pendant Downlight

FT-L4P-44 / 66



Cylinder

FT-T2-1



Cylinder

FT-T2-2



LIGHT MODULE EXAMPLES



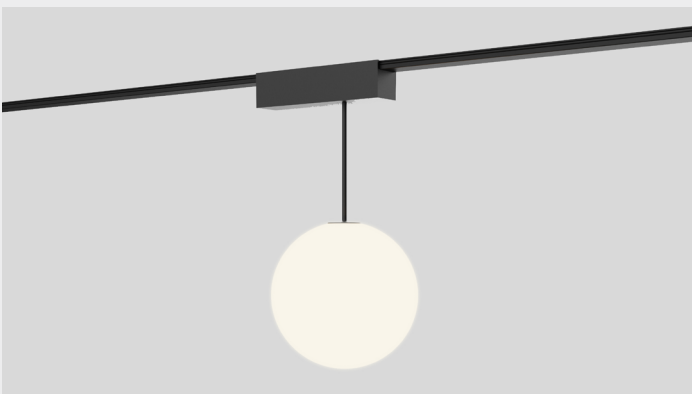
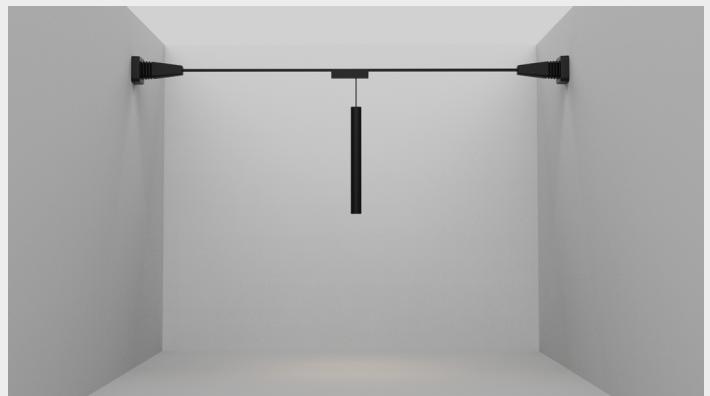
Cylinder

FT-T2-3



Pendant

FT-P1-2



Globe

FT-P5-1



Example: FT-60-UL-BK-DIM10-48V

