MODULAR
LIGHTING
INSTRUMENTS
— *by MLI NA Corporation*

Project

Type

Contact

Pista Track 48V Suspended

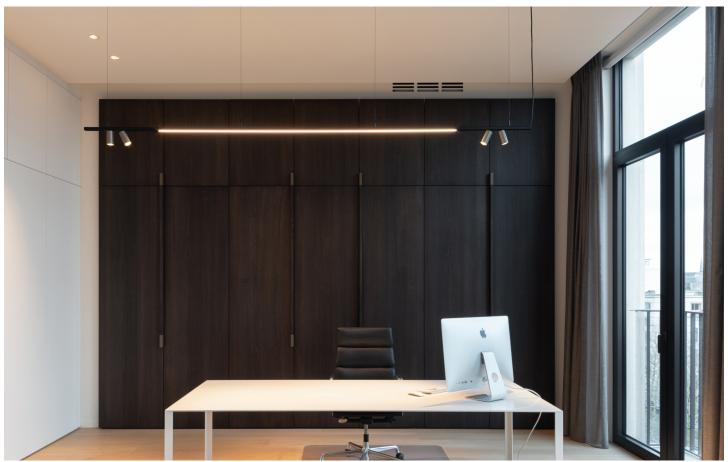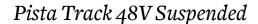## Overview

A very thin magnetic track rail, Pista Track 48V Suspended brings together miniaturization and personalisation. A slender line of light suspended by slim cables. Play with different modules on single or multiple track rails in different lengths and colors, spots, pendant lights and more!

General Information

General

- Profile finish: powder coat or anodisation
- Dry locations only
- Spot and linear fixtures available, see separate datasheets for detailed information
- Upon insertion, fixtures attach magnetically to the Track Profile or lock into the Track Profile
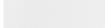- Fixtures can be moved in the Track Profile by sliding

Electrical

- UL Class 2 only
- 48V DC (see Power Supply sections)
- Circuits: 1 circuit + data bus
- Maximum 100W per track circuit
- Dimming: 0-10V or DALI (specified separately in the fixture)

Finish Information

Black Structure (BLS)
Powder Coat (Matte)

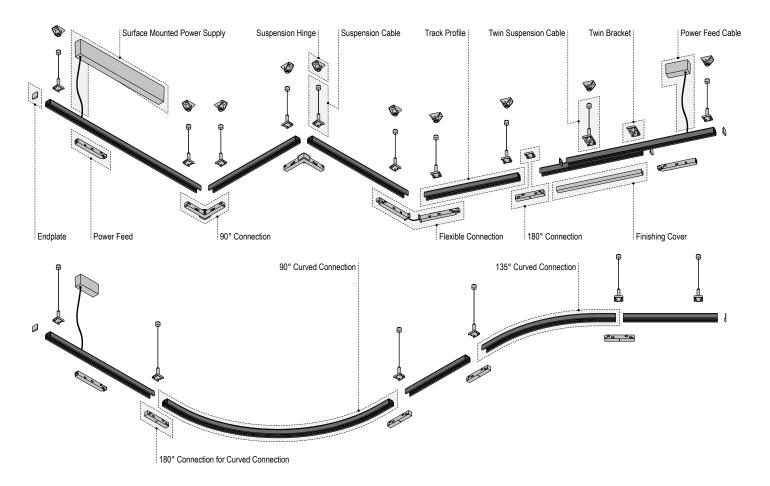White Structure (WHS)
Powder Coat (Matte)

Bronze (BRBA)
Anodised (Brushed)
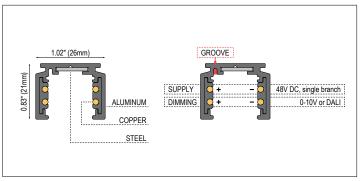
Champagne (CHBA)
Anodised (Brushed)

Components & Configuration (see following pages for detailed component and ordering information)

Surface Mounted Power Supply · Suspension Hinge · Suspension Cable · Track Profile · Twin Suspension Cable · Twin Bracket · Power Feed Cable

Endplate · Power Feed · 90° Connection · Flexible Connection · 180° Connection · Finishing Cover

90° Curved Connection · 135° Curved Connection

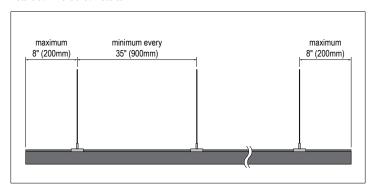180° Connection for Curved Connection

Track Profile Specifications

- For suspended ceiling installation
- Profile finish: powder coat or anodisation
- Available lenghts: 39.4", 78.7" & 118.1" (can be field cut)
- Power supplies and accessories are ordered separately
- Maximum load = 22lb (10kg) for profile length ≤ 39" (1m)
- Add 11lb (5kg) to the maximum load for each additional profile length of 39" (1m)
- When connecting multiple profiles, the "groove" should always be on the same side
- Weight: 0.5lbs/ft

Materials / Dimensions / Electrical

Suspension fixation points (minimum)

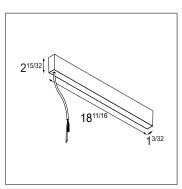| Ordering Code	Version	Length	Finish	Quantity (pcs)
PISTA-T48V-PROF-S-39.4-DY-BLS	Track Profile	39.4"	Black Structure	
PISTA-T48V-PROF-S-39.4-DY-WHS	Track Profile	39.4"	White Structure	
PISTA-T48V-PROF-S-78.7-DY-BLS	Track Profile	78.7"	Black Structure	
PISTA-T48V-PROF-S-78.7-DY-WHS	Track Profile	78.7"	White Structure	
PISTA-T48V-PROF-S-78.7-DY-BRBA	Track Profile	78.7"	Bronze Anodised	
PISTA-T48V-PROF-S-78.7-DY-CHBA	Track Profile	78.7"	Champagne Anodised	
PISTA-T48V-PROF-S-118.1-DY-BLS	Track Profile	118.1"	Black Structure	
PISTA-T48V-PROF-S-118.1-DY-WHS	Track Profile	118.1"	White Structure	
PISTA-T48V-PROF-S-118.1-DY-BRBA	Track Profile	118.1"	Bronze Anodised	
PISTA-T48V-PROF-S-118.1-DY-CHBA	Track Profile	118.1"	Champagne Anodised	

Power Supply Specifications - Surface Mounted Drivers
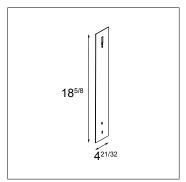
Surface Mounted Power Supply

- Class 2 constant voltage power supply
- Included: plaster finish plate for installation with a 4"x4" octagonal junction box
- Must be combined with Power Feed (specify on page 6)
- Can optionally be combined with Backplate to cover the junction box
- For surface mount use only
- Box material: cast aluminum
- Box finish: powder coat
- Cable diameter: 0.27"
- Cable color: black
- Cable finish: PVC
- Cable length: 78.7" (can be field adjusted)
- Cable conductors: 4x18AWG
- Maximum load: 90% of rated power
- Power factor: > 0.9
- Dry locations only
- Weight: 2.2lbs

Backplate for Surface Mounted Power Supply

- Optional accessory for Surface mounted Power Supply
- Backplate covers a 4"x4" octagonal or 3"x2" junction box
- Material: stainless steel
- Finish: powder coat
- Thickness: 0.08"
- Weight: 2.0lbs

Surface Mounted Power Supply

Backplate

Electrical Specifications & Ordering Information

Ordering Code	Input	Output	Finish	Quantity (pcs)
PISTA-T48V-SMLEDPWRSUPPLY-40W-SS-DY-BLS	120-277VAC - 50/60Hz	48VDC - 40W	Black Structure	
PISTA-T48V-SMLEDPWRSUPPLY-40W-SS-DY-WHS	120-277VAC - 50/60Hz	48VDC - 40W	White Structure	
PISTA-T48V-SMLEDPWRSUPPLY-60W-SS-DY-BLS	120-277VAC - 50/60Hz	48VDC - 60W	Black Structure	
PISTA-T48V-SMLEDPWRSUPPLY-60W-SS-DY-WHS	120-277VAC - 50/60Hz	48VDC - 60W	White Structure	
PISTA-T48V-SMLEDPWRSUPPLY-96W-SS-DY-BLS	120-277VAC - 50/60Hz	48VDC - 96W	Black Structure	
PISTA-T48V-SMLEDPWRSUPPLY-96W-SS-DY-WHS	120-277VAC - 50/60Hz	48VDC - 96W	White Structure	

Accessories Ordering Information

Ordering Code	Version	Finish	Quantity (pcs)
BP-C-32-SMLEDPWRSUPPLY-BLS	Backplate for 3"x2" junction box	Black Structure	
BP-C-32-SMLEDPWRSUPPLY-WHS	Backplate for 3"x2" junction box	White Structure	
BP-C-44-SMLEDPWRSUPPLY-BLS	Backplate for 4"x4" octagonal junction box	Black Structure	
BP-C-44-SMLEDPWRSUPPLY-WHS	Backplate for 4"x4" octagonal junction box	White Structure	

Power Supply Specifications - Remote Drivers
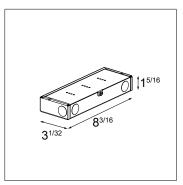
Remote Power Supply

- Class 2 constant voltage power supply
- Must be combined with Power Feed Cable + Connection Box
- For cabinet and surface mount use only
- 4 mounting holes for surface mounting
- 4 knockout holes for line voltage wiring (input)
- 4 knockout holes for low voltage wiring (output)
- May be placed up to 50ft away from track using 16AWG wire
- Maximum load: 90% of rated power
- Power factor: > 0.9
- Dry locations only
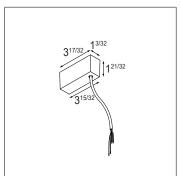- Weight: 1.4lbs

Power Feed Cable + Connection Box

- Included: plaster finish plate for installation with a 4"x4" octagonal junction box
- Must be combined with Power Feed (specify on page 6)
- Can optionally be combined with Backplate to cover the junction box
- Box material: cast aluminum
- Box finish: powder coat
- Cable diameter: 0.27"
- Cable color: black
- Cable finish: PVC
- Cable length: 78.7" (can be field adjusted)
- Cable conductors: 4x18AWG
- Dry locations only
- Weight: 0.5lbs

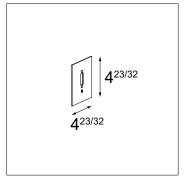### Backplate for Power Feed Cable + Connection Box

- Optional accessory for Power Feed Cable + Connection Box
- Backplate covers a 4"x4" octagonal or 3"x2" junction box
- Material: stainless steel
- Finish: powder coat
- Thickness: 0.08"
- Weight: 0.5lbs

Remote Power Supply

Power Feed Cable + Connection Box

Backplate

Electrical Specifications & Ordering Information

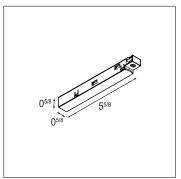| Ordering Code	Input	Output	Finish	Quantity (pcs)
PISTA-T48V-LEDPWRSUPPLY-60W-DY	120-277VAC - 50/60Hz	48VDC - 60W	n/a	
PISTA-T48V-LEDPWRSUPPLY-96W-DY	120-277VAC - 50/60Hz	48VDC - 96W	n/a	

Accessories Ordering Information

Ordering Code	Version	Finish	Quantity (pcs)
PISTA-T48V-PFC-CONNBOX-DY-BLS	Power Feed Cable + Connection Box	Black Structure	
PISTA-T48V-PFC-CONNBOX-DY-WHS	Power Feed Cable + Connection Box	White Structure	
BP-C-32-PISTA-T48V-CB-BLS	Backplate for 3"x2" junction box	Black Structure	
BP-C-32-PISTA-T48V-CB-WHS	Backplate for 3"x2" junction box	White Structure	
BP-C-44-PISTA-T48V-CB-BLS	Backplate for 4"x4" octagonal junction box	Black Structure	
BP-C-44-PISTA-T48V-CB-WHS	Backplate for 4"x4" octagonal junction box	White Structure	

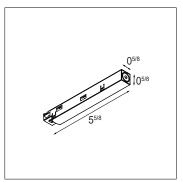## Track Accessories Specifications - Power Feed Connectors

- Used to supply power to the track
- "Groove" side is the difference between Power Feed Left & Right
- Left or Right does not matter if in the middle of the track
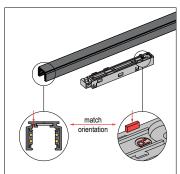- For use with 16-18AWG wire
- Weight: 0.1lbs

Power Feed Left

Power Feed Left - Groove Orientation

Power Feed Right

Power Feed Right - Groove Orientation

Ordering Information

Ordering Code	Version	Finish	Quantity (pcs)
PISTA-T48V-PFLEFT-DY-BLS	Power Feed Left	Black	
PISTA-T48V-PFLEFT-DY-WHS	Power Feed Left	White	
PISTA-T48V-PFRIGHT-DY-BLS	Power Feed Right	Black	
PISTA-T48V-PFRIGHT-DY-WHS	Power Feed Right	White	

Track Accessories Specifications - Track Connectors

180° Connection

- Connects 2 tracks in the same direction (in the same plane)
- Contains mechanical connection and adapter for electrical continuity
- Can not be used to supply power to the track
- Weight: 0.1lbs

180° Connection for Curved Connection

- Same as above, except only contains the adapter for electrical continuity
- For use in combination with Curved Connections only (specify on page 8)
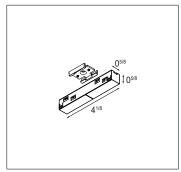
90° Connection Inside

- Connects 2 tracks in a 90° angle (in the same plane)
- Contains mechanical connection and adapter for electrical continuity
- "Groove" is on the inside of the connection
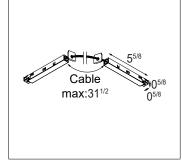- Can not be used to supply power to the track
- Weight: 0.2lbs

90° Connection Outside

- Connects 2 tracks in a 90° angle (in the same plane)
- Contains mechanical connection and adapter for electrical continuity
- "Groove" is on the outside of the connection
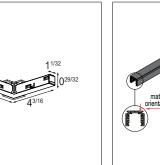- Can not be used to supply power to the track
- Weight: 0.2lbs

Flexible Connection

- Connects 2 tracks to each other
- Contains 2 adapters and a connection cable for electrical continuity
- Contains 2 endplates with cable hole
- Cable diameter: 0.27"
- Cable color: black
- Cable finish: PVC
- Cable length can be field adjusted
- Can not be used to supply power to the track
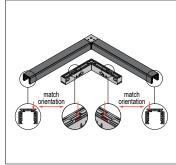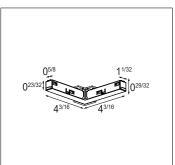- Weight: 0.5lbs

180° Connection

Flexible Connection

90° Connection Inside

90° Connection Inside - Groove Orientation

90° Connection Outside

90° Connection Outside - Groove Orientation

Ordering Information

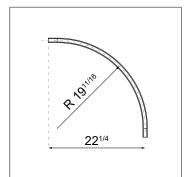| Ordering Code	Version	Finish	Quantity (pcs)
PISTA-T48V-CONN180-SS-DY-BLS	180° Connection	Black	
PISTA-T48V-CONN180-SS-DY-WHS	180° Connection	White	
PISTA-T48V-CONN180-S-DY-BLS	180° Connection for Curved Connection	Black	
PISTA-T48V-CONN180-S-DY-WHS	180° Connection for Curved Connection	White	
PISTA-T48V-CONN90IN-SS-DY-BLS	90° Connection Inside	Black	
PISTA-T48V-CONN90IN-SS-DY-WHS	90° Connection Inside	White	
PISTA-T48V-CONN90OUT-SS-DY-BLS	90° Connection Outside	Black	
PISTA-T48V-CONN90OUT-SS-DY-WHS	90° Connection Outside	White	
PISTA-T48V-CONNFLEX-DY-BLS	Flexible Connection	Black	
PISTA-T48V-CONNFLEX-DY-WHS	Flexible Connection	White	

Track Accessories Specifications - Curved Connections

Curved Connection Inside

- Connects 2 tracks in a 90° or 135° angle (in the same plane)
- Contains mechanical profile only (can not be field cut)
- Luminaires, Power Feeds, Finishing Covers and other accessories can not be used in the Curved Connection part of the track configuration
- "Groove" is on the inside of the profile
- To combine with 180° Connection for electrical continuity (specify on page 7)
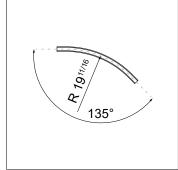- Weight: 1.1lbs (90° version), 0.6lbs (135° version)

Curved Connection Outside

- Connects 2 tracks in a 90° or 135° angle (in the same plane)
- Contains mechanical profile only (can not be field cut)
- Luminaires, Power Feeds, Finishing Covers and other accessories can not be used in the Curved Connection part of the track configuration
- "Groove" is on the outside of the profile
- To combine with 180° Connection for electrical continuity (specify on page 7)
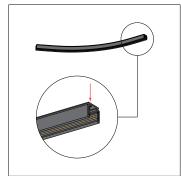- Weight: 1.1lbs (90° version), 0.6lbs (135° version)
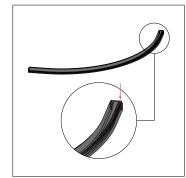

90° Curved Connection

135° Curved Connection

90° Curved Connection Inside - Groove

135° Curved Connection Inside - Groove

90° Curved Connection Outside - Groove

135° Curved Connection Outside - Groove

Ordering Information

Ordering Code	Version	Finish	Quantity (pcs)
PISTA-T48V-CONNCURV90IN-DY-BLS	90° Curved Connection Inside	Black	
PISTA-T48V-CONNCURV90IN-DY-WHS	90° Curved Connection Inside	White	
PISTA-T48V-CONNCURV90OUT-DY-BLS	90° Curved Connection Outside	Black	
PISTA-T48V-CONNCURV90OUT-DY-WHS	90° Curved Connection Outside	White	
PISTA-T48V-CONNCURV135IN-DY-BLS	135° Curved Connection Inside	Black	
PISTA-T48V-CONNCURV135IN-DY-WHS	135° Curved Connection Inside	White	
PISTA-T48V-CONNCURV135OUT-DY-BLS	135° Curved Connection Outside	Black	
PISTA-T48V-CONNCURV135OUT-DY-WHS	135° Curved Connection Outside	White	

Track Accessories Specifications - Mounting

Suspension Cable

- To suspend the track profile from the ceiling
- Can be combined with Suspension Hinge for sloped ceilings
- Cable diameter: 0.03"
- Cable color: black
- Cable length can be field adjusted
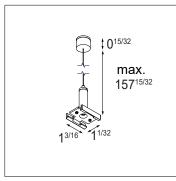- Weight: 0.07lbs

Twin Suspension Cable

- To suspend 2 track profiles from the ceiling, side by side
- Can be combined with Suspension Hinge for sloped ceilings
- Cable diameter: 0.03"
- Cable color: black
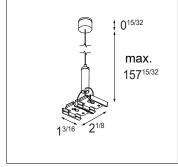- Cable length can be field adjusted
- Weight: 0.1lbs

Suspension Hinge

- To combine with (Twin) Suspension Cable for sloped ceilings
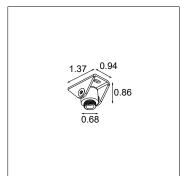- Weight: 0.5lbs

Twin Bracket

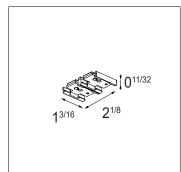- Connects 2 tracks to each other, side by side

Suspension Cable

Twin Suspension Cable

Suspension Hinge

Twin Bracket

Ordering Information

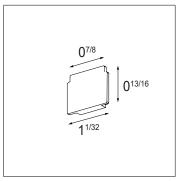| Ordering Code	Version	Finish	Quantity (pcs)
PISTA-T48V-CABLE-SS-DY-BLS	Suspension Cable	Black Structure	
PISTA-T48V-CABLE-SS-DY-WHS	Suspension Cable	White Structure	
PISTA-T48V-CABLE-TWIN-SS-DY-BLS	Twin Suspension Cable	Black Structure	
PISTA-T48V-CABLE-TWIN-SS-DY-WHS	Twin Suspension Cable	White Structure	
PISTA-T48V-HINGE-SS-DY-BLS	Suspension Hinge	Black Structure	
PISTA-T48V-HINGE-SS-DY-WHS	Suspension Hinge	White Structure	
PISTA-T48V-BRACKET-TWIN-DY-BLS	Twin Bracket	Black Structure	
PISTA-T48V-BRACKET-TWIN-DY-WHS	Twin Bracket	White Structure	

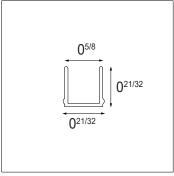## Track Accessories Specifications - Finishing

Endplate

- Contains 2 endplates
- Non-conductive
- Weight: 0.03lbs

Finishing Cover

- Optional
- Can be field cut
- Non-conductive
- Weight: 0.2lbs (39.4" version), 0.4lbs (78.7" version)

$0^{7/8}$ $0^{13/16}$ $1^{1/32}$

Endplate

$0^{5/8}$ $0^{21/32}$ $0^{21/32}$

Finishing Cover

Ordering Information

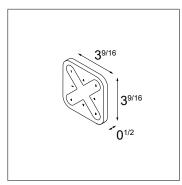| Ordering Code	Version	Finish	Quantity (pcs)
PISTA-T48V-ENDPLATE-S-DY-BLS	Endplate	Black	
PISTA-T48V-ENDPLATE-S-DY-WHS	Endplate	White	
PISTA-T48V-ENDPLATE-S-DY-BR	Endplate	Bronze	
PISTA-T48V-ENDPLATE-S-DY-CH	Endplate	Champagne	
PISTA-T48V-COVER-39.4-DY-BLS	Finishing Cover, Length: 39.4"	Black	
PISTA-T48V-COVER-39.4-DY-WHS	Finishing Cover, Length: 39.4"	White	
PISTA-T48V-COVER-78.7-DY-BLS	Finishing Cover, Length: 78.7"	Black	
PISTA-T48V-COVER-78.7-DY-WHS	Finishing Cover, Length: 78.7"	White	

Control Accessories Specifications - Casambi Wireless Control

Casambi Dim Module

- Utilizes Bluetooth Low Energy Wireless Mesh (no control wires required)
- For individual/discrete fixture control (requires fixtures to be DALI dimmable)
- Connect up to 64 DALI track 48V fixtures to one dim module
- Not to be connected to an existing DALI network
- Only use as independent system
- Contact customer service for the latest configuration & setup documentation
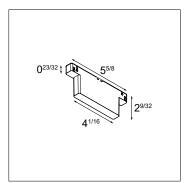- Weight: 0.1lbs

Casambi Wireless Switch

- Range: up to 164ft in open air
- Weight: 0.2lbs

Casambi Wireless Switch

Casambi Wireless Switch

Casambi Dim Module

Casambi Dim Module

Ordering Information

Ordering Code	Version	Finish	Quantity (pcs)
PISTA-T48V-CASAMBI-DIM-BLS	Casambi Dim Module	Black	
PISTA-T48V-CASAMBI-DIM-WHS	Casambi Dim Module	White	
PISTA-T48V-CASAMBI-SWITCH-WH	Casambi Wireless Switch	White	

Listings and Certifications

- Listed: cULus
- Dry locations

Warranty

- Visit https://www.supermodular.com/en-us/warranty