

NEXO
LIGHTING



AIR MULTI TRACK

 **Magnetic**
System

NEXO LIGHTING

We have focused on the study, design, and manufacture of innovative and architectural lighting solutions and customized luminaires with the highest technical standards. Over the years, we have worked with lighting designers, architects, and planners to serve architecture and the development of lighting culture. We are committed to improving the architecture, spaces, and well-being of people who live in the place where we operate.

Multi Track

System

The Air Multi Track system, in addition to providing lighting through the quick and easy magnetic connection of light sources to the track, also enables the integration of linear slot air diffusers with lighting. In construction projects that seek a modern and minimalist design, Air Multi Track combines lighting and air ventilation in a single solution, creating a clean, unified, and highly flexible space.



MAGNETIC
CONNECTION



AIR
CONDITIONING



BLUETOOTH
SPEAKER



AIR
FRESHENER

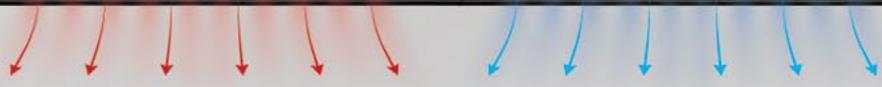
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Everything on Track

48V TRACK SYSTEM

Air MultiTrack



Perfume
Φ65mm



Unique
Φ40mm
Φ60mm



Moonico
s100mm

Verona Pendant
580mm -1710mm

A Wide Range of Luminaires

The Air Multi Track system allows the profile to be installed first at the desired location (ceiling or wall), then the ventilation system is connected, and the selected luminaires such as (Lenza, Silva, and Monico) are magnetically attached to provide the main lighting. Moreover, if the layout or function of the space changes over time, the luminaires can be easily repositioned or replaced, offering long-term flexibility and adaptability.



<https://nexolighting.com/3d-files/>



Lenza
L: 325 / 640mm

Verona adjustable
L: 295 / 580mm

Lenza adjustable
L: 325 / 640mm

Melody
Φ70mm

Unique
Φ45mm
Φ60mm



Duke
Φ87mm



Duke pendant
Φ87mm

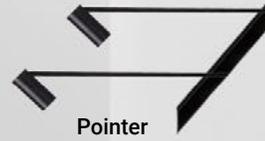


Moonico Pendant
s100 mm



Silva
Φ45mm
Φ60mm

Verona
L: 580-1710mm

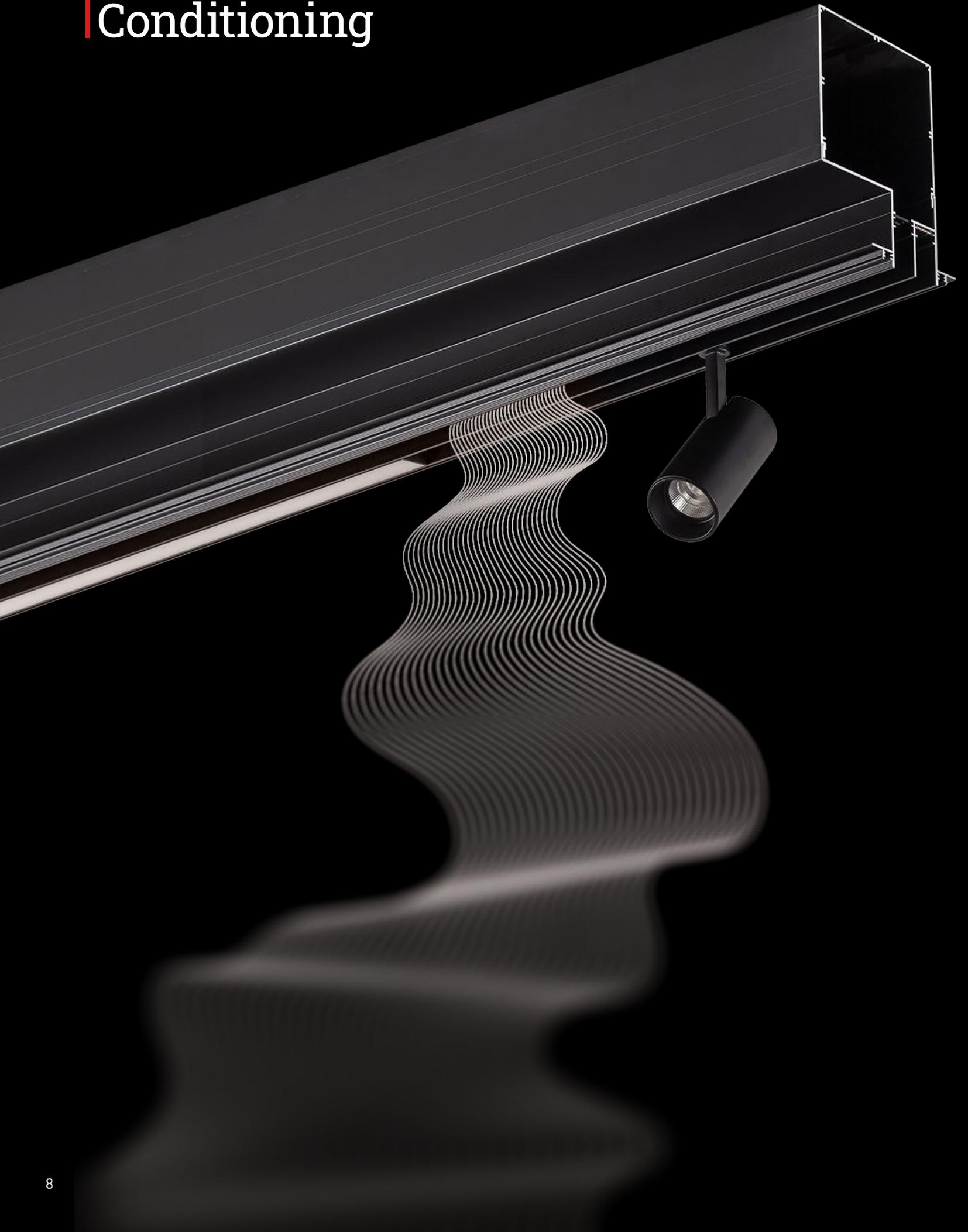


Pointer
Φ28mm



Tube Line
L: 580-1140 mm

Air Conditioning



Air Multi Track System is an intelligent solution for integrating linear slot air diffusers with the Multi Track System. In building projects seeking a modern and minimalist design, this system, combining lighting and ventilation, is an ideal choice.

With its slim linear profile in the ceiling and connection to ventilation systems, the Air Multi Track not only provides freedom in selecting lighting sources but also ensures pleasant and uniform airflow throughout the space.

The system offers the option of single, double, or triple slot profiles. By connecting the profiles to split duct or fan coil systems, you can freely move or replace lighting sources while simultaneously enjoying lighting and ventilation.

-  **MAGNETIC CONNECTION**
-  **AIR CONDITIONING**
-  **BLUETOOTH SPEAKER**
-  **AIR FRESHENER**

Magnetic Connection

 **MAGNETIC
CONNECTION**

48V | **LOW - VOLTAGE
TRACK SYSTEM**



just a **CLICK**

Easy connection using
magnetic system



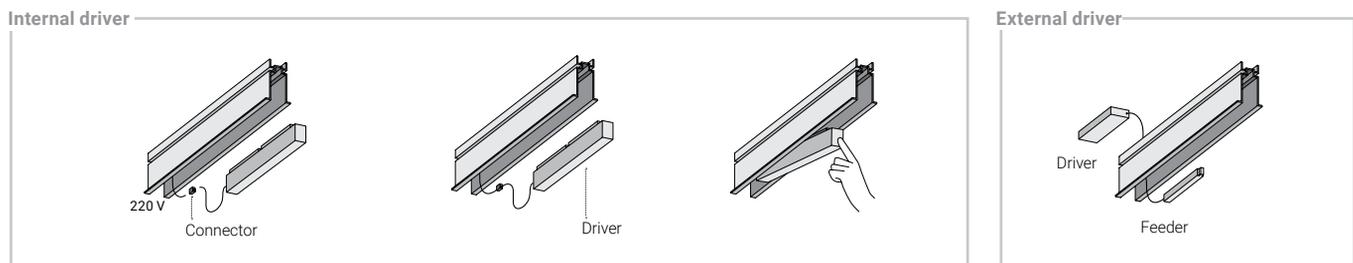
replacement and movement
of luminaires thanks to
magnetic connections



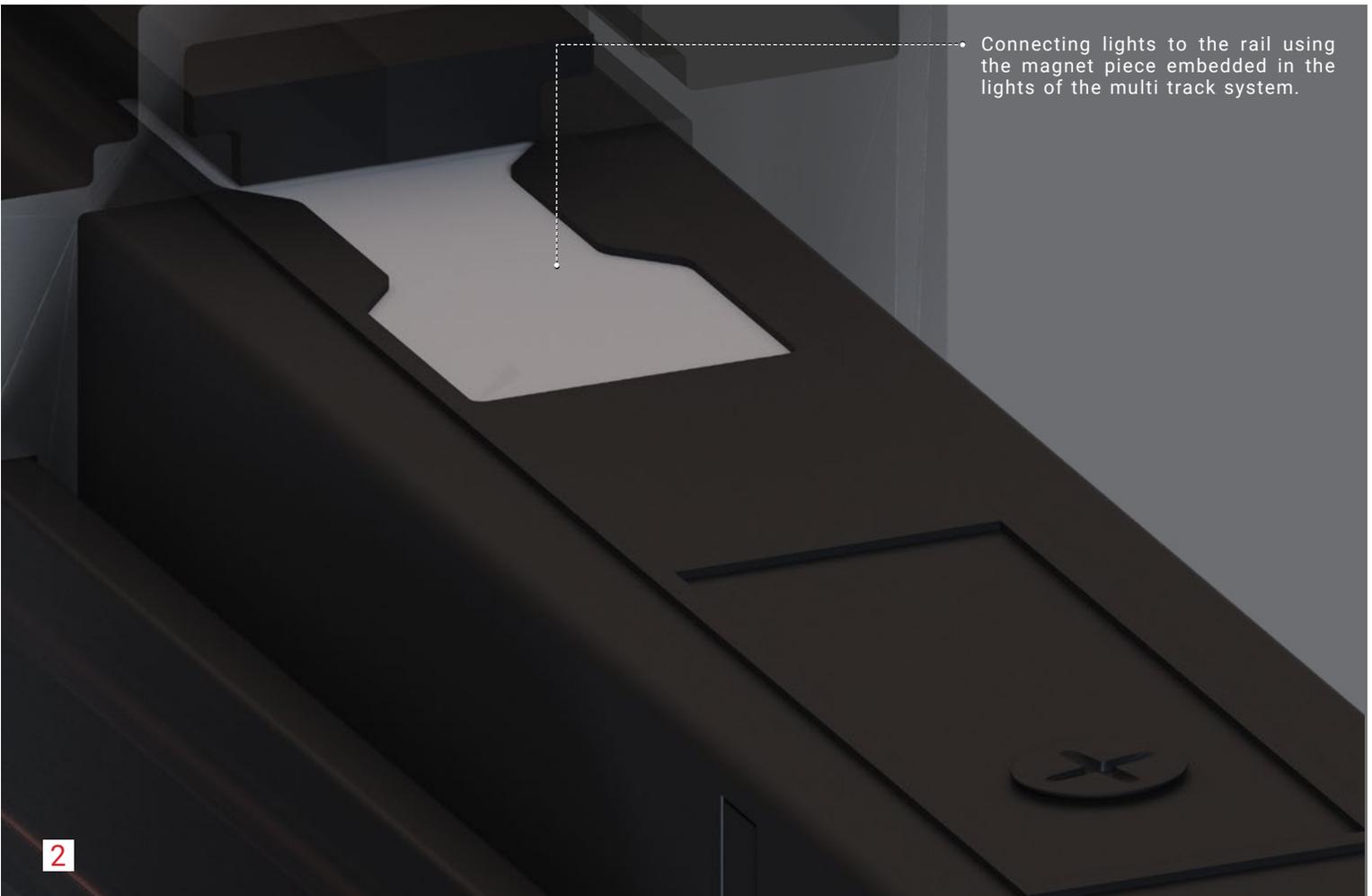
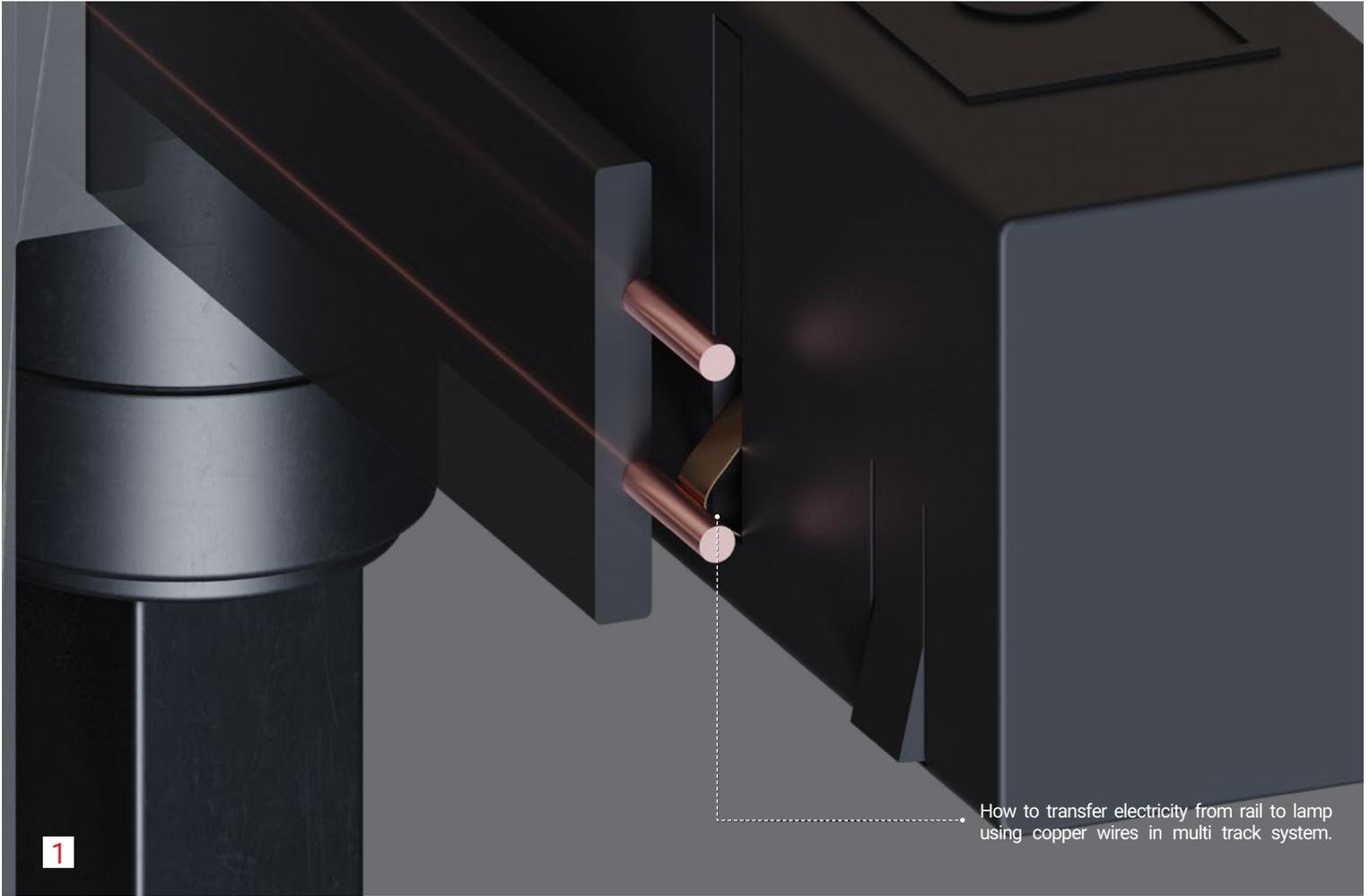
Details of Connection



FEEDING OPTIONS



Thanks to the 48V low voltage in Multi track system, it causes longer lifetime of lighting sources, better quality of output light and safety issues. Using driver, 220V power is converted to 48V, and by connecting the driver to the input feeder and then connecting the feeder to the rail, the 48V power is transferred to the entire rail, and you will be able to connect magnetic lighting sources anywhere on the rail by a click.



One System

for Every Need

■ Lighting needed in a space, such as ambient lighting or accent lighting for highlighting an object, and even decorative lighting, can be easily provided with the Multi Track System.

Luminaires with accent lighting in this system are easily installed on the rail with a simple click without any tools, and can be rotated and adjusted. For more control over ambient lighting, all luminaires can be individually dimmed.





Air Multi Track



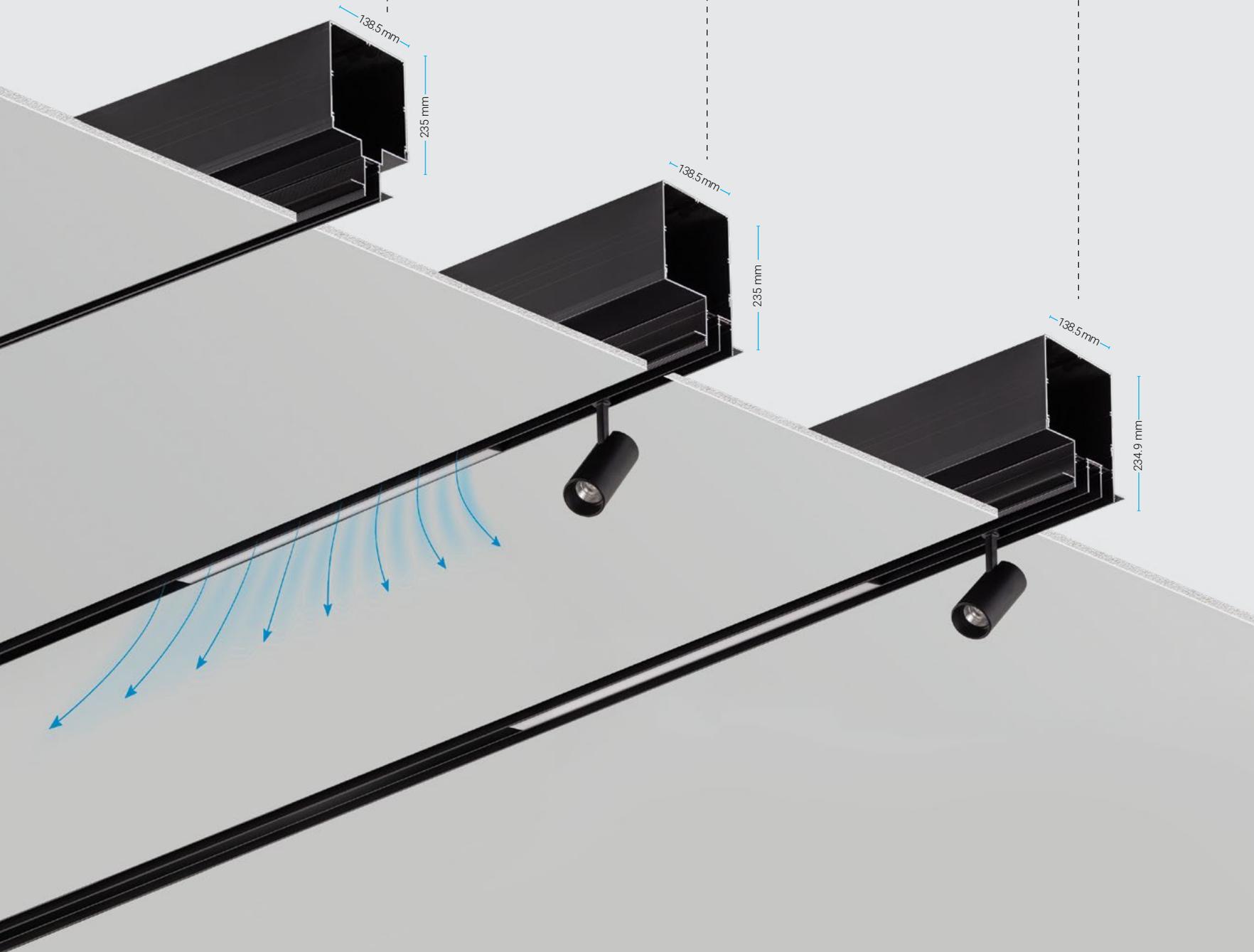
Linear trimless tripple-slot diffuser profile
cut: 120 mm



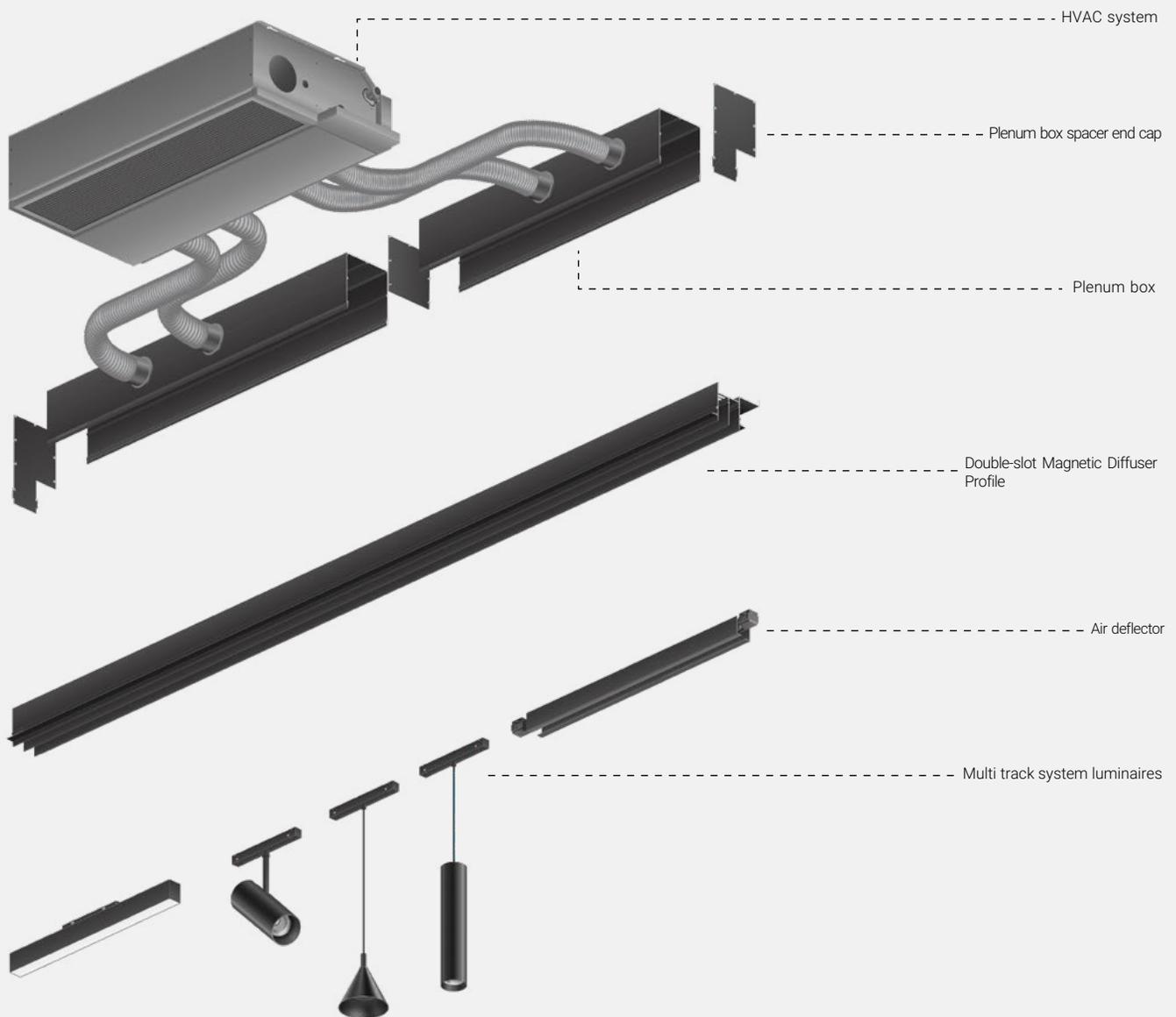
Linear trimless double-slot diffuser profile
cut: 80 mm



Linear trimless single-slot diffuser profile
cut: 40 mm

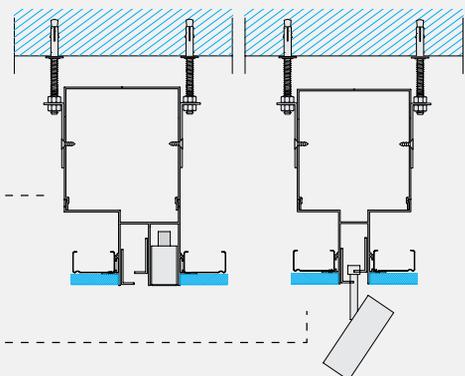


Instruction



Plenum box with linear double-slot diffuser profile (One slot can be used as a Multi Track profile and the other as a diffuser)

Plenum box with linear single-slot diffuser system (One slot can be used simultaneously as a Multi Track profile and as a diffuser)

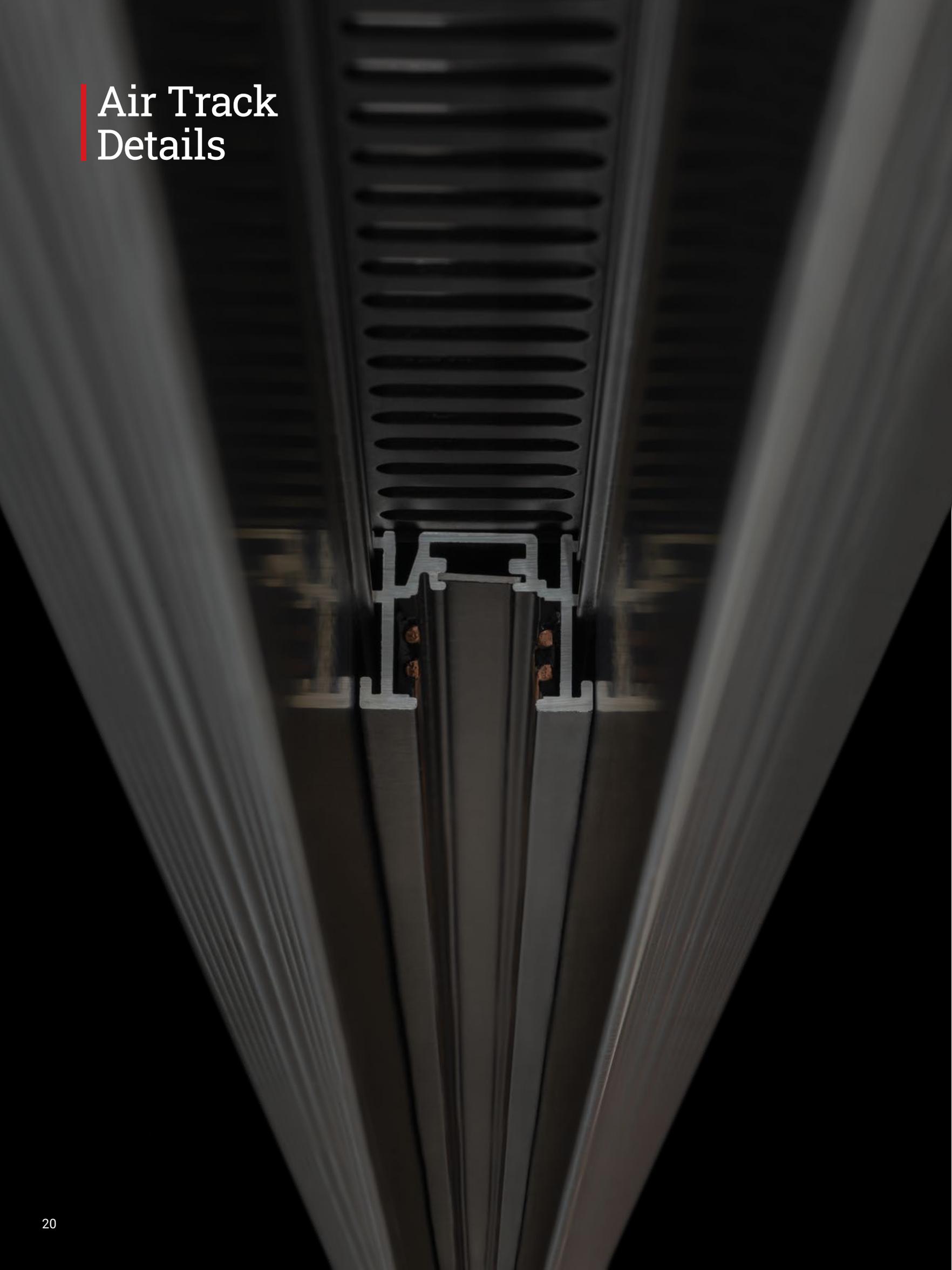


Air Multi Track



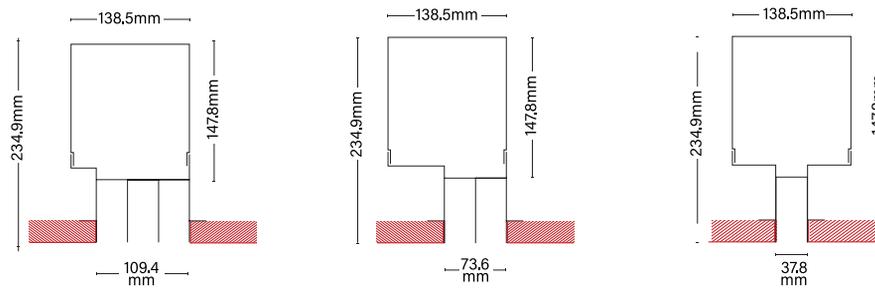


Air Track Details



Section view and Technical Details

Tube Line



NMTR AIR TRI ALIT 48v

NMTR AIR DOU ALIT 48v

NMTR AIR SIN ALIT 48v

Air Multi track

Reference	Conductor	voltage	Slots	Length
NMTR Air SIN ALIT 48v	4	48v	1	L x 138.5 x 234.9 mm
NMTR Air DOU ALIT 48v	4	48v	2	L x 138.5 x 234.9 mm
NMTR Air TRI ALIT 48v	4	48v	3	L x 138.5 x 234.9 mm



MultiTrack for all furniture layouts





The magnetic connection in the multitrack system allows you to easily change the lighting according to arrangement of the space.

Low Voltage Magnetic Tracks

Any Length and Configuration

A variety of rails with different installation methods are produced in types of surface mount, pendant, low- height trimless recessed, high-height completely hidden inside the rails).

■ Recessed profile

■ Low height surface mount profile

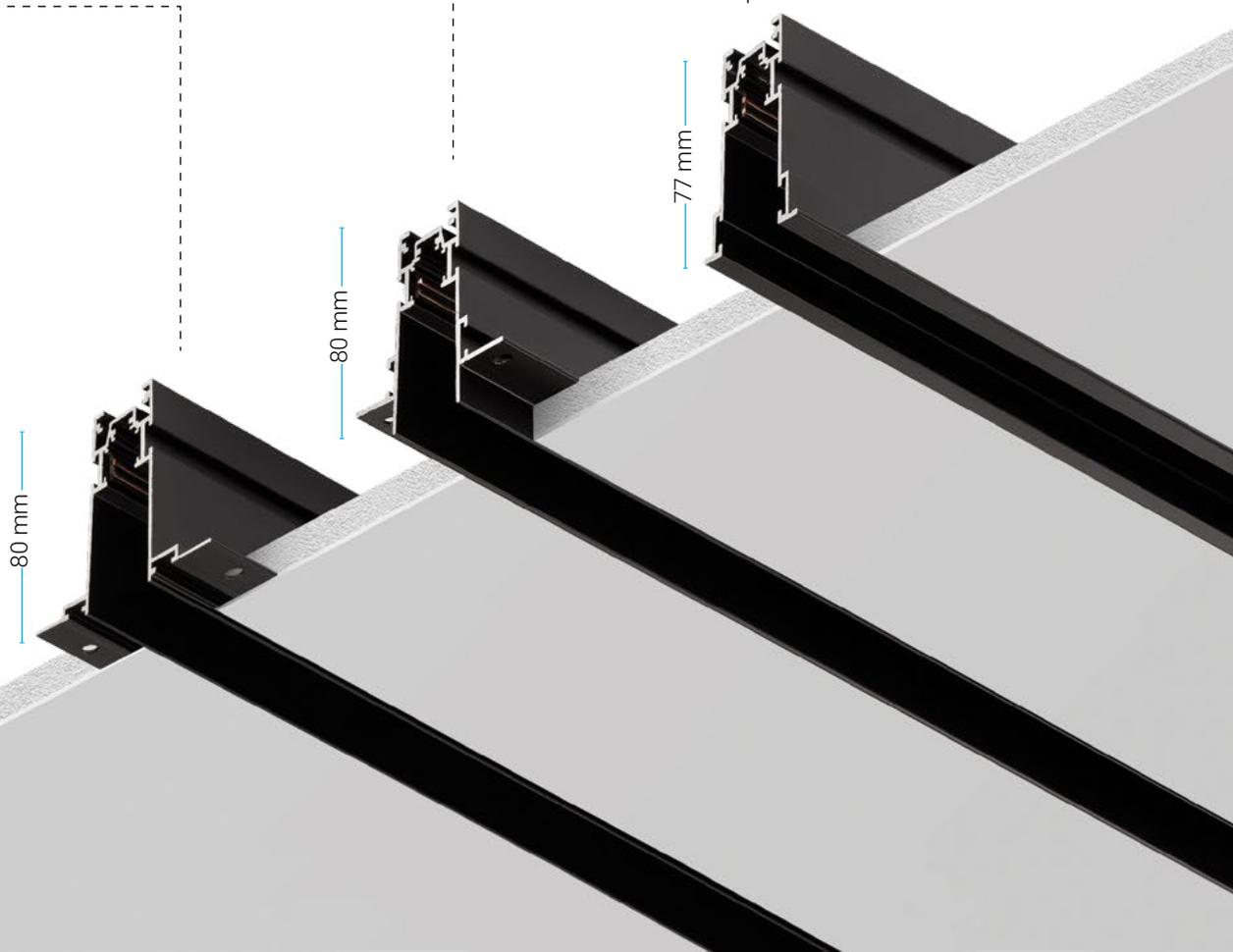
■ Low Height Pendant profile

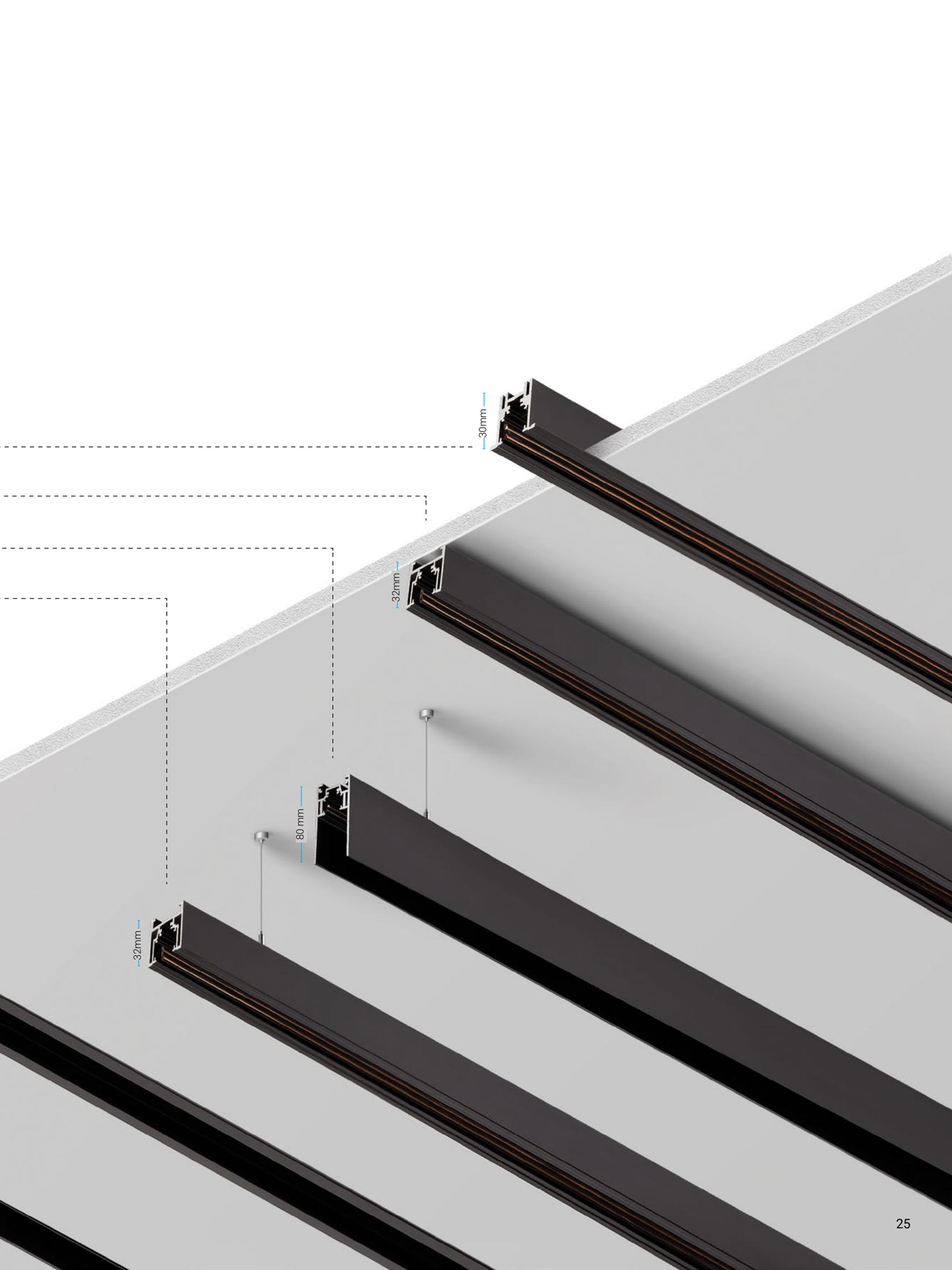
■ Pendant profile

■ Recessed profile

■ Trimless recessed profile 2

■ Trimless recessed profile 1



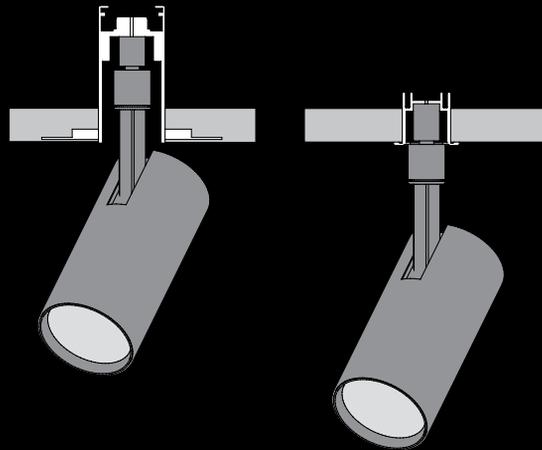


Installation Types

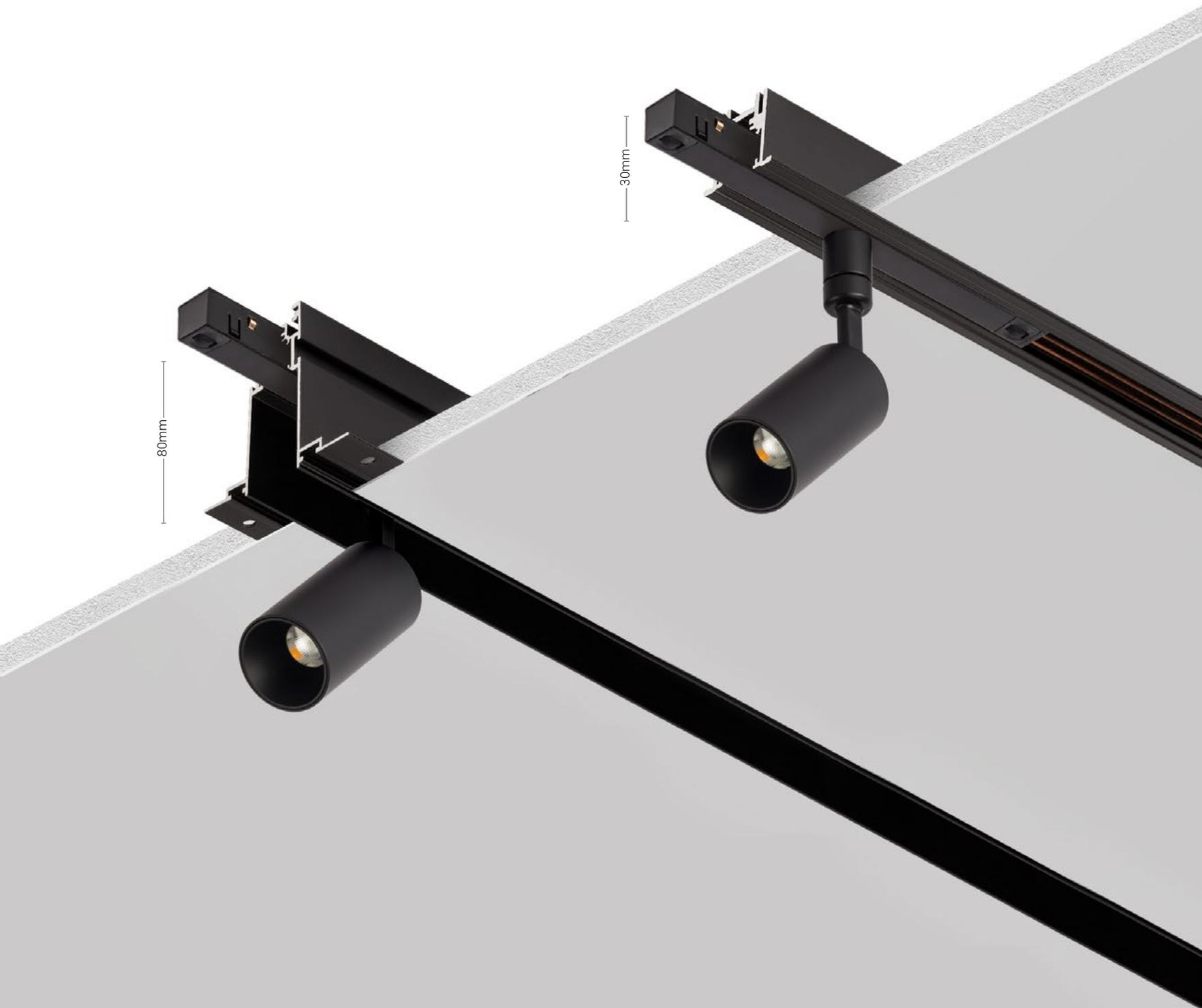
One of the important features of multi-track rails is the height of them.

In normal rails, the height is 8 cm, adapter and light base are completely placed inside the rail. In some cases, it is necessary to use low-height rails due to the lack of enough space behind the kenaf. The height of these rails is 3 cm and the light base is placed outside the rail.

To choose a suitable rail that fits the conditions of your project and installation details, you can contact the technical unit of Nooraneh company.



The difference between shallow and deep tracks







Alaia Restaurant



Watch Video



| Tube Line

 **Beam Angle**

Very Wide

 **Colors**

Black/ White/ Gold/ Custom

 **Color Temperature**

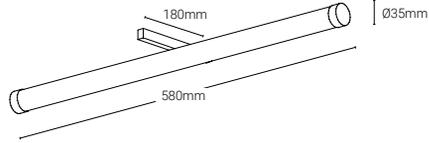
3000k - 4000k



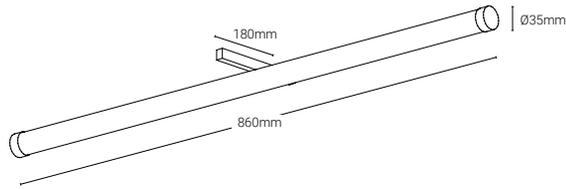
nexolighting.com/multitrack/

Section view and Technical Details

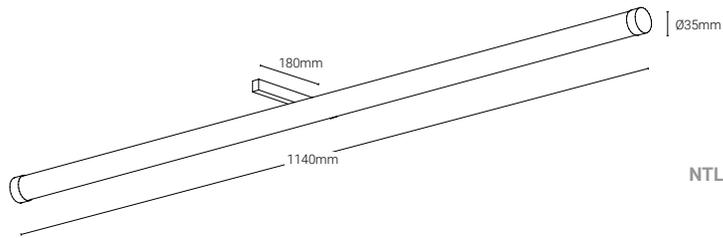
Tube Line



NTL 580 PMT 48v



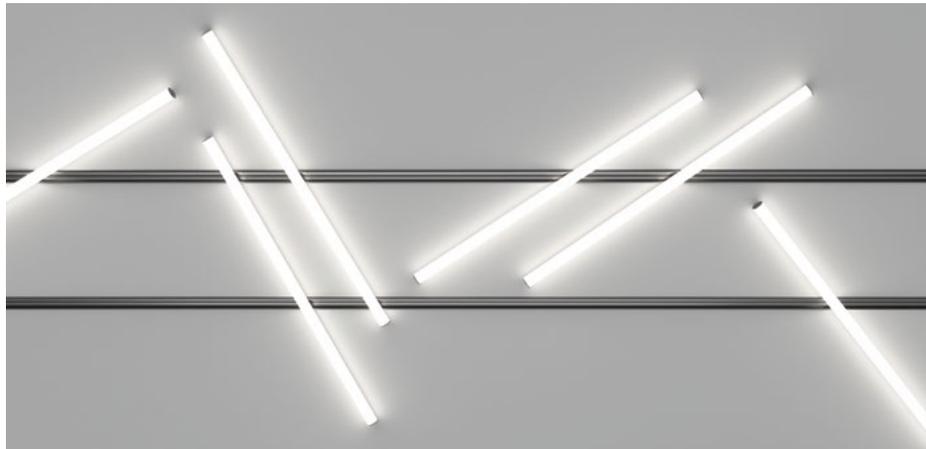
NTL 860 PMT 48v



NTL 1140 PMT 48v

Verona Multi track

Reference	Power	efficacy	Luminous flux	Length
NTL 580 PMT 48v	17 w	99.2 Lm/w	1687 Lm	580 mm
NTL 860 PMT 48v	26 w	97.1 Lm/w	2527 Lm	860 mm
NTL 1140 PMT 48v	33 w	102.2 Lm/w	3374 Lm	1140 mm





| Duke

✦ Beam Angle

Medium

✦ Colors

Black/ White/ Gold/ Custom

✦ Color Temperature

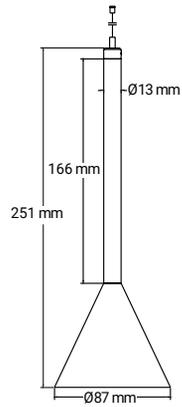
3000k - 4000k



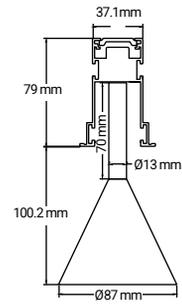
nexolighting.com/multitrack/

Section view and Technical Details

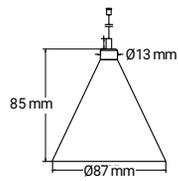
Duke Multi track



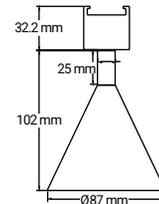
NDU 87 PCP 48v



NDU 85 PC 48v



NDU 87 LH PC 48v



NDU 85 LH PC 48v

Duke Multi track

Reference	Power	Efficacy	Luminous flux	FWHM	Dimension
NDU 87 PCP 48v	6 w	101.6 lm/w	610 lm	36°	Ø87 x 251 mm
NDU 87 PC 48v	6 w	101.6 lm/w	610 lm	36°	Ø87 x 179.2 mm
NDU 87 LH PC 48v	6 w	101.6 lm/w	610 lm	36°	Ø87 x 134.2 mm





| Pointer

✦ Beam Angle

Narrow - Medium

✦ Colors

Black/ White/ Gold/ Custom

✦ Color Temperature

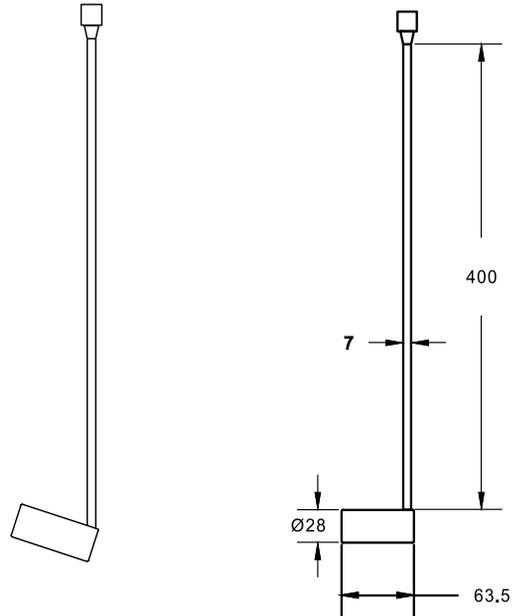
3000k - 4000k



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Section view and Technical Details

Pointer Multi track



Duke Multi track

Reference	Power	Efficacy	Luminous flux	FWHM	Dimension
NPO 28 36 PCT 48v	6 w	83 lm/w	500 lm	30°	Ø28 mm





| Melody

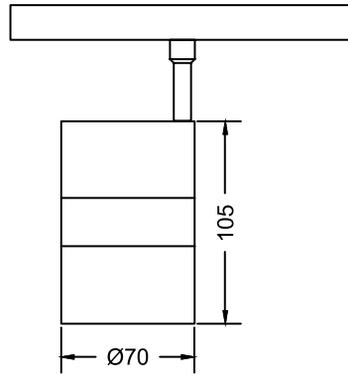
Bluetooth
Version 5.0



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Section view and Technical Details

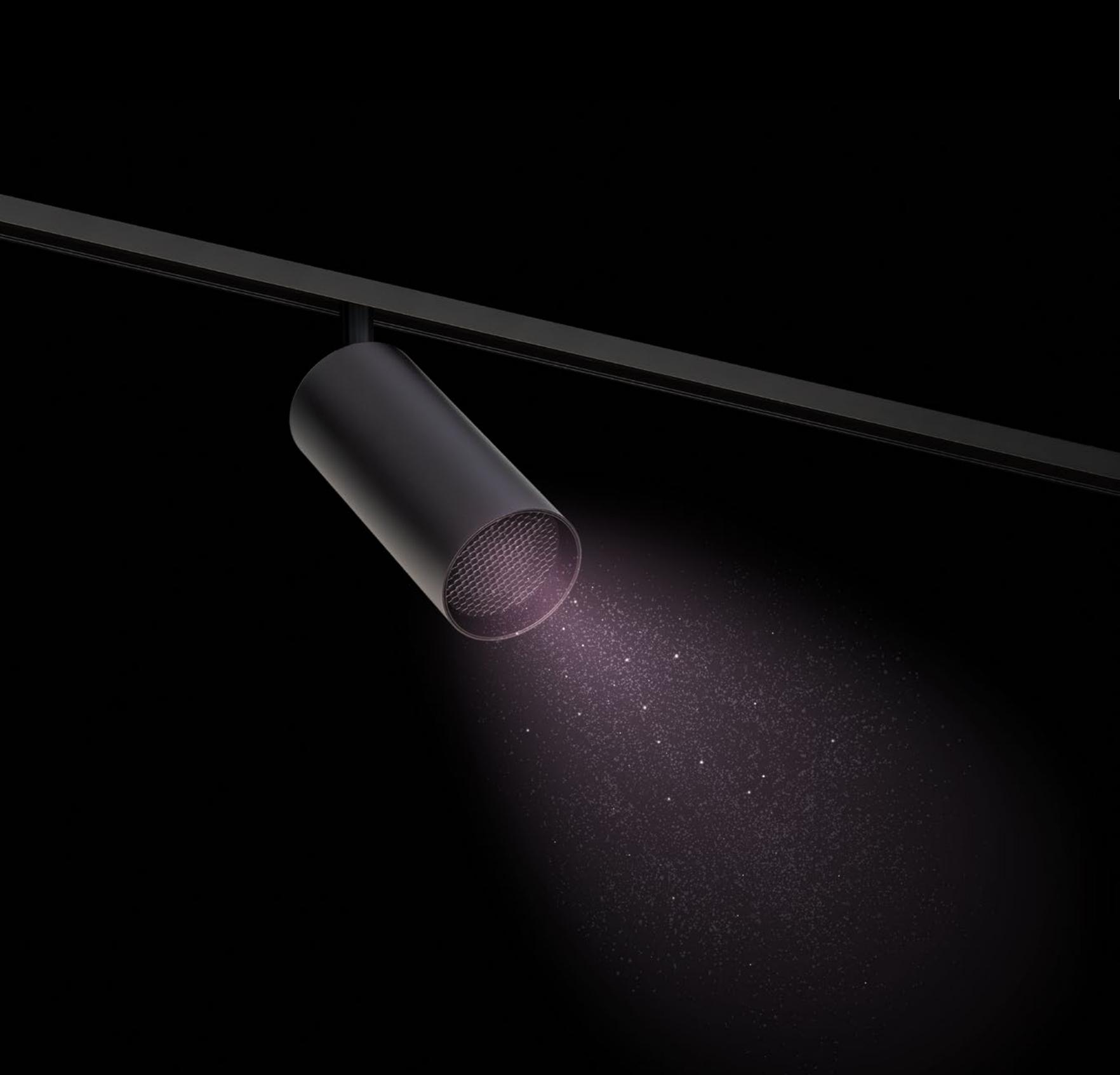
Verona Multi track & Verona Adjustable Multi track



Perfume Multi track

Reference	load	Impedence	Covering range	Dimension
NMEL 70 10 ALT 48v	10 w	4 Ω	10 m	Ø70 x 105 mm





| Perfume

 Colors

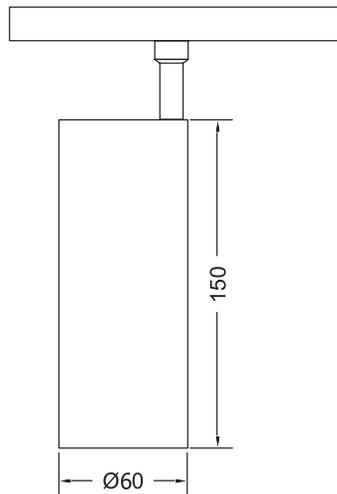
Black/ White/ Gold/
Custom



nexolighting.com/multitrack/

Section view and Technical Details

Verona Multi track & Verona Adjustable Multi track



Perfume Multi track

Reference	load (w)	Dimension (mm)
NPE 65 150 ALT 48v	2	$\text{Ø}65 \times 150$





Verona Verona adjustable

 **Beam Angle**

Very Wide

 **Colors**

Black/ White/ Gold/ Custom

 **Color Temperature**

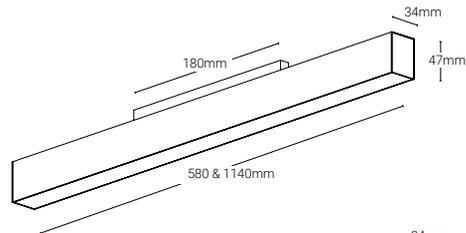
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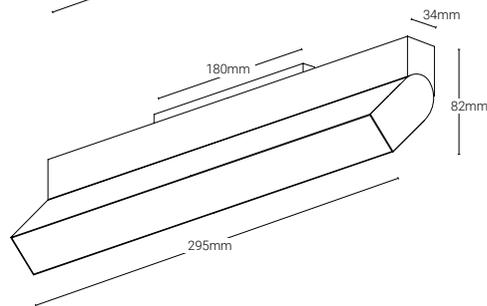
nexolighting.com/multitrack/

Section view and Technical Details

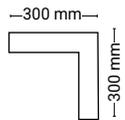
Verona Multi track & Verona Adjustable Multi track



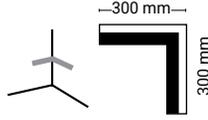
NVE 40



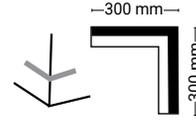
NVE ADJ 40



NVE 40 LC PCT 48v
suitable for ceiling and wall



NVE 40 LI PCT 48v
Inner corner



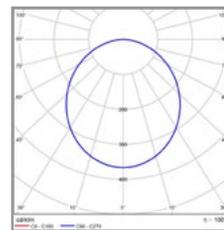
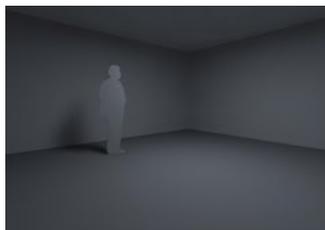
NVE 40 LO PCT 48v
Outer corner

Verona Multi track

Reference	Power	efficacy	Luminous flux	Length
NVE 40 58 PCT 48v	17.8 w	94.7 Lm/w	1687 Lm	580 mm
NVE 40 114 PCT 48v	33.6 w	100.4 Lm/w	3374 Lm	1140 mm
NVE 40 LC PCT 48v	17.8 w	93.7 Lm/w	1687 lm	L Ceiling 300x300 mm
NVE 40 LO PCT 48v	17.8 w	93.7 Lm/w	1687 lm	L Out 310x310 mm
NVE 40 LI PCT 48v	17.8 w	93.7 Lm/w	1687 lm	L In 310x310 mm

Verona Adjustable Multi track

Reference	Power	efficacy	Luminous flux	Length
NVE ADJ 40 30 PCT 48v	17.8 w	94.7 lm/w	1687 lm	295x34x82 mm



NU 60 20 R PCT 48v





Lenza Lenza adjustable

 **Beam Angle**
Medium Wide

 **Colors**
Black/ White/ Gold/ Custom

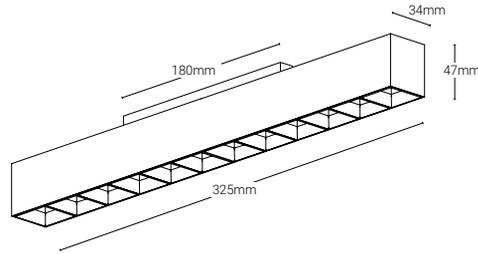
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3000k - 4000k



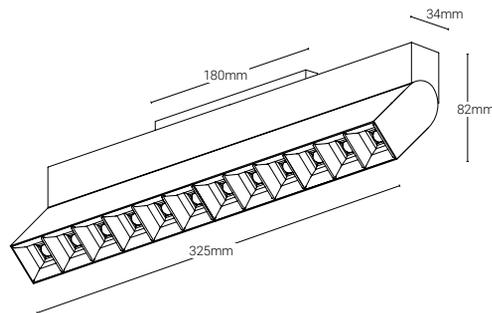
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Section view and Technical Details

Lenza Multi track & Lenza Adjustable Multi track



NLZ 32 PCT



NLZ 32 ADJ

Lenza Multi track

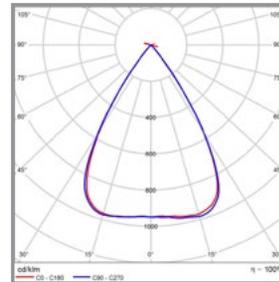
Reference	Power	efficacy	Luminous flux	Length
NLZ 32 ... PCT 48v	15 w	105 lm/w	1260 lm/w	325x34x47 mm

Lenza Adjustable Multi track

Reference	Power	efficacy	Luminous flux	Length
NLZ ADJ 32 PCT 48v	15 w	100 lm/w	1500 lm	325x34x82 mm



NLZ PCT 48v





| Unique

✦ Beam Angle

Narrow - Medium

✦ Colors

Black/ White/ Gold/ Custom

✦ Color Temperature

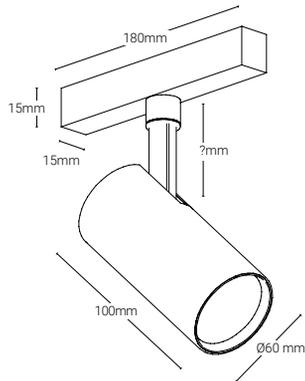
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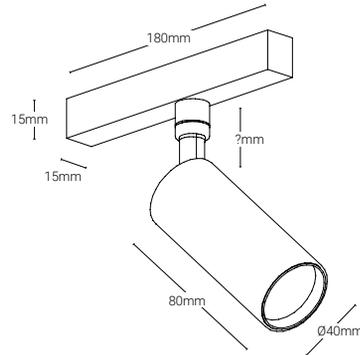
nexolighting.com/multitrack/

Section view and Technical Details

Unique Multi track



NU 60 ... PCT 48v

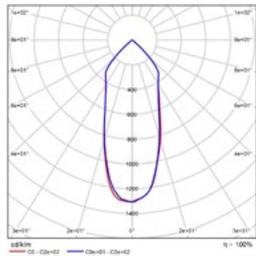


NU 40 ... PCT 48v

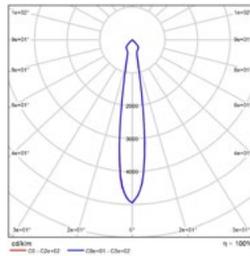
Unique Multi track

Reference	Power	efficacy	Luminous flux	Diameter
NU 40 ... R PCT 48v	6 w	113.3 Lm/w	680 Lm	Ø40 mm
NU 60 ... R PCT 48v (H1)	6 - 10 w	123 Lm/w	726 - 1230 Lm	Ø60 mm

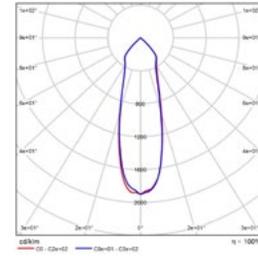
H1: Higher powers



NU 60 30 R PCT 48v



NU 60 50 R PCT 48v



NU 60 20 R PCT 48v





| Silva

✦ Beam Angle

Narrow - Medium

✦ Colors

Black/ White/ Gold/ Custom

✦ Color Temperature

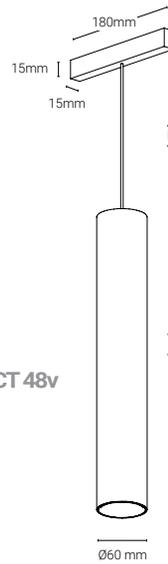
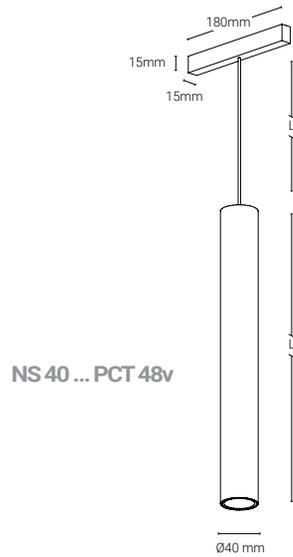
3000k - 4000k



nexolighting.com/multitrack/

Section view and Technical Details

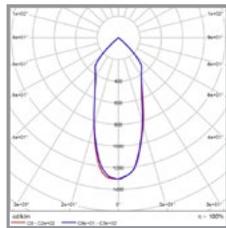
Lenza Multi track & Lenza Adjustable Multi track



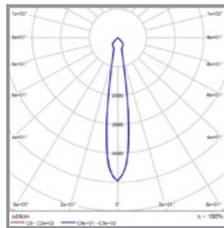
Silva Multi track

Reference	Power	efficacy	Luminous flux	Diameter
NS 40 ... PCT 48v	6 w	113.3 Lm/w	680 Lm	Ø40 mm
NS 60 ... PCT 48v (H1)	6 - 10 w	123 Lm/w	726 - 1215 Lm	Ø60 mm

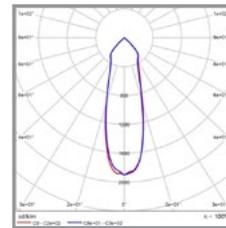
H1: Higher powers



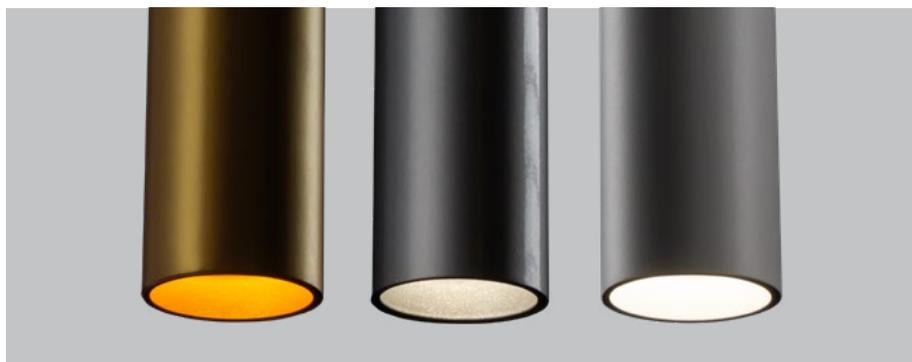
NS 60



NS 60



NS 60





| Moonico

✦ Beam Angle

Very Wide

✦ Colors

Black/ White/ Gold/ Custom

✦ Color Temperature

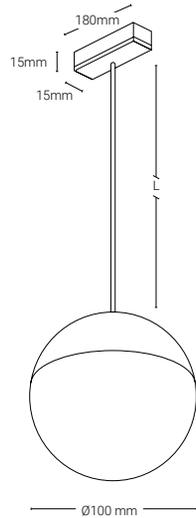
3000k - 4000k



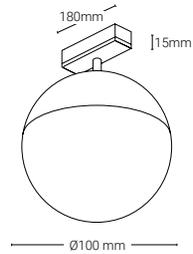
nexolighting.com/multitrack/

Section view and Technical Details

Lenza Multi track & Lenza Adjustable Multi track



NMO 100 PMP



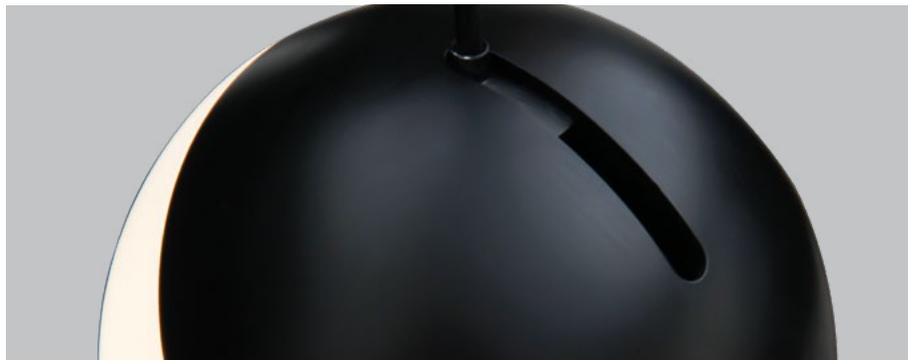
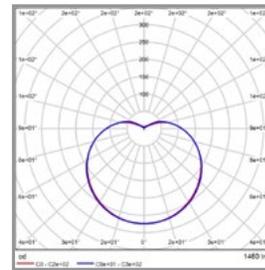
NMO 100 PMP

Silva Multi track

Reference	Power	efficacy	Luminous flux	Diameter
NMO 100 PMP 48v	6 w	52.8 Lm/w	316.8 Lm	Ø100 mm
NMO 100 PMT 48v	6 w	52.8 Lm/w	316.8 Lm	Ø100 mm



NMO 100



Human Centeric Lighting

The dynamic changes of light brought by the Human Centric Lighting system equals the sunlight conditions of the geographic environment where the building is located. By changing the light flux and color and adapting the artificial light to the season and the time of the day, we can reproduce the natural rhythms in interior spaces and have several benefits for the human being



Light Sensor

Automatic dimming based on available daylight



Adjustable colour temperature from 2700K to 6500K



Scenes

Definition of multiple functional lighting scenarios



Sunrise & Sunset

Location-based settings for sunrise and sunset adjustment



Calendar & timer

Programmable scheduling and calendar functions



Detection

Occupancy detection via lighting sensors



Grouping

Group lighting control through software



Loop

Creation of repeatable lighting scenarios



Gallery

Controlling each luminaire directly through its on-screen image within the space



Cloud Control

Remote control of the lighting system via the internet

| Controllability

Easily dim, group, and create lighting scenarios using the smartphone app.





download
4remote BT
application



Color & Coloring methods



The choice of color in luminaires is completely unlimited, and the products are manufactured according to the customer's color order. The colors used are electrostatic powder. For some customized products, there is also the ability to produce with machine colors.





• Matt electrostatic powder paint

• Sanding electrostatic powder paint

■ All powder-coated colors are available in both matt and sanded finishes.

Details



LED

COB LED modules are used in luminaires, which have high efficiency, lifetime more than 50,000 hours and McAdam 3. Special LED module series for special applications allows for multifaceted and impressive design in shops, exhibitions, carpet and clothing galleries, fruit and bakery stores, hotels, etc. LEDs also are available in different color temperatures.

HEAT SINK

The heat sink used inside the luminaires is designed to absorb and exchange the heat generated by the LED module and dissipates the thermal energy into the ambient air. Because high heat damages to the phosphor inside the LED module and causes color change, reducing the output light and lifetime of the LED module.

REFLECTOR

The mission of a reflector is to reflect the light that comes from a luminaire and redirect it in the appropriate direction, especially when accent lighting is needed, the role of the reflector becomes much more important.

There is reflective material inside the reflector to shape the light. The features of the reflector such as smooth, light colored, or shiny surfaces like glass is very important for system efficiency. The beam angle and type of light distribution in luminaires depend on the reflectors. Nooraneh luminaires are also customized with different beam angles.

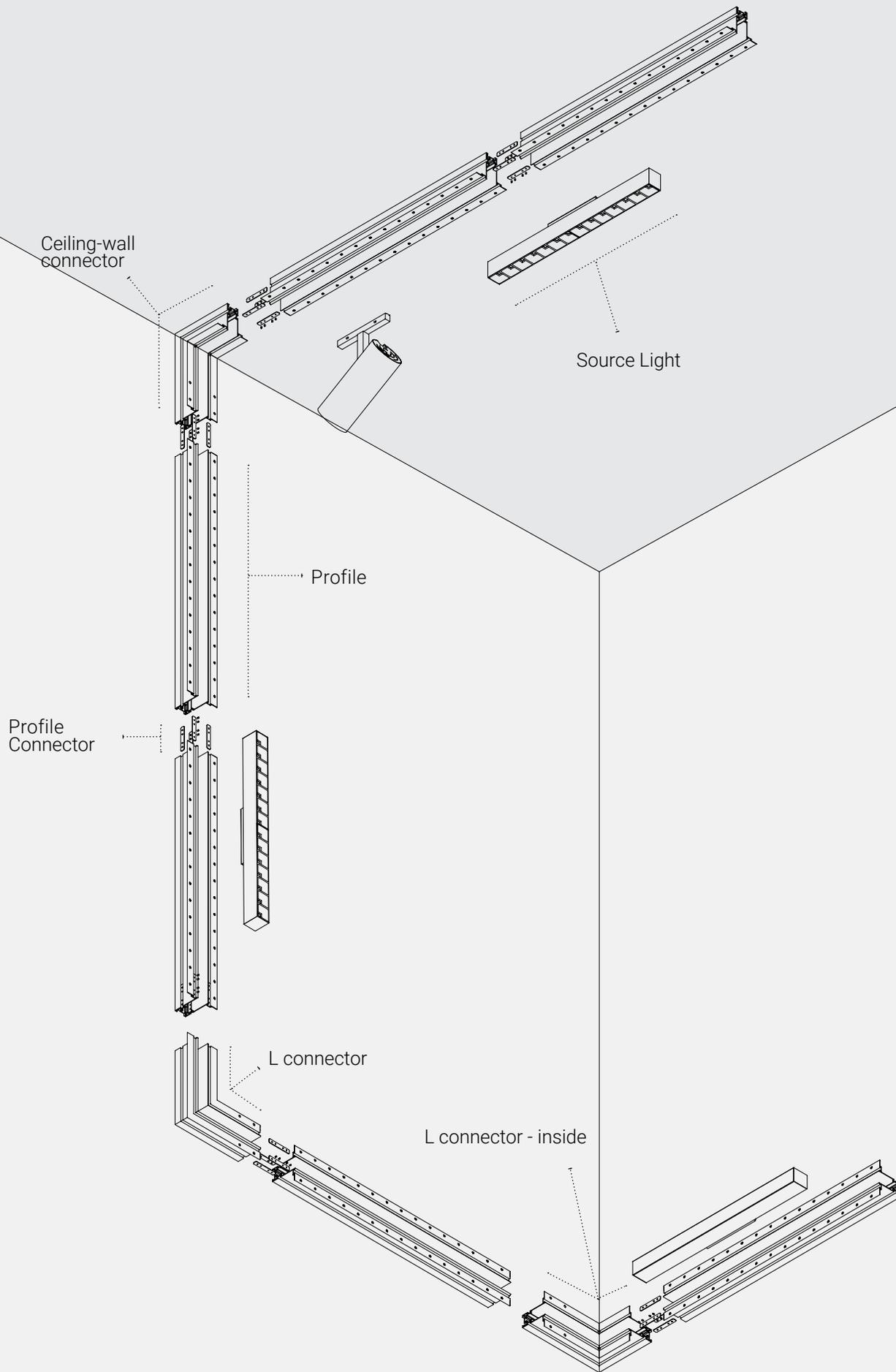
HONEYCOMB LOUVER

Honeycomb is added to spotlights as an accessory as needed. Honeycomb helps to create a more subtle and soft light and has a great effect in reducing the glare of the lights.

ADAPTER

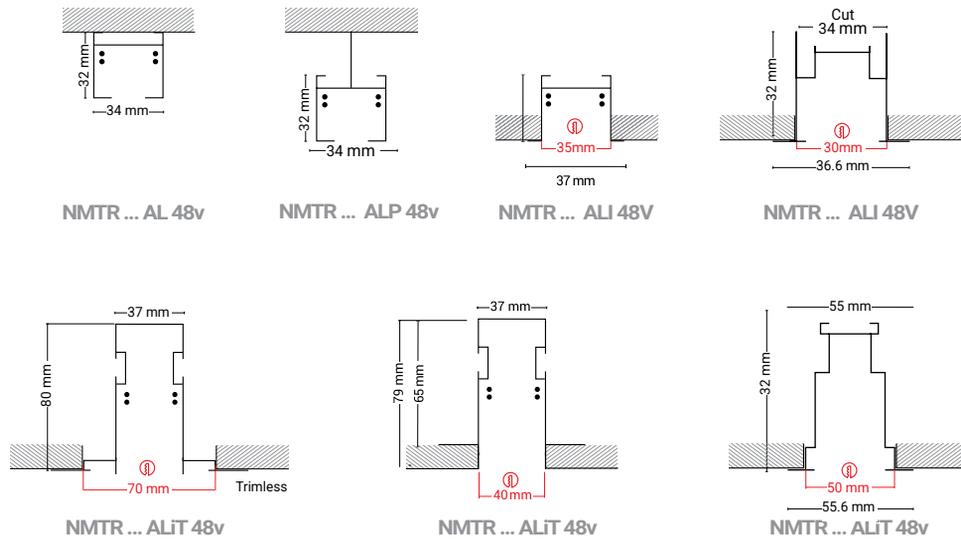
In multitrack system, the 48V DC Power is transferred from the rail to the lighting sources through an adapter. Also, the magnet used in the adapter creates a magnetic connection between lighting sources and the rail.

| Profile Details



Section view and Technical Details

Profiles



Profil (Surface - Pendant)

Reference	Conductor	voltage	Length
NMTR 100 ALIT 48v	4	48v	1000 mm
NMTR 200 ALIT 48v	4	48v	2000 mm
NMTR 300 ALIT 48v	4	48v	3000 mm

Profile (Recessed)

Reference	Conductor	voltage	Length
NMTR 100 ALI 48v	4	48v	1000 mm
NMTR 200 ALI 48v	4	48v	2000 mm
NMTR 300 ALI 48v	4	48v	3000 mm
NMTR 100 LH ALI	4	48v	1000 mm
NMTR 200 LH ALI	4	48v	2000 mm
NMTR 300 LH ALI	4	48v	3000 mm

Profile (Recessed TRIMLESS)

Reference	Conductor	voltage	Length
NMTR 100 ALIT1 48v	4	48v	1000 mm
NMTR 200 ALIT1 48v	4	48v	2000 mm
NMTR 300 ALIT1 48v	4	48v	3000 mm
NMTR 100 ALIT2 48v	4	48v	1000 mm
NMTR 200 ALIT2 48v	4	48v	2000 mm
NMTR 300 ALIT2 48v	4	48v	3000 mm
NMTR 100 LH ALIT	4	48v	1000 mm
NMTR 200 LH ALIT	4	48v	2000 mm
NMTR 300 LH ALIT	4	48v	3000 mm

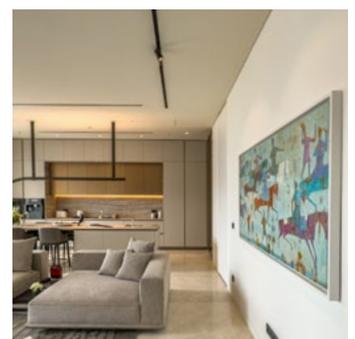
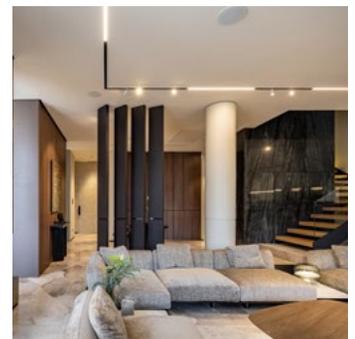


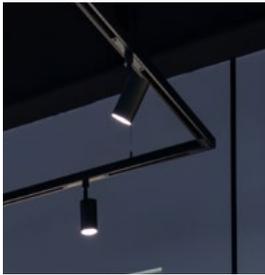




Falamak No.28
Residential

This project involved the transformation of an old residential building into a private modern villa, while preserving the original structural framework. The design approach focused on redefining the facade and interior with clean lines, refined materials, and a contemporary architectural language, all while honoring the existing structure.





**Alvand Company
Office**

Interior lighting design and supply of LED lights for the office of Alvand company located in Tehran by No-raneh lighting industries, including multitrack magnetic lights, linear lights, decorative hanging lights, Hexa and Bermuda customized lights that add a special beauty to the space





SAEDINIA CAFE

Commercial



The reconciliation between the city and its citizens is an undeniable necessity. Streets and urban pathways are not merely transit routes; they serve as a platform for life and interaction. Given the diminishing presence of this concept in modern cities and the prevalence of citizens who use vehicles solely to reach their destinations quickly, this project focuses on strengthening the connection between the city (the passage), the café, and the citizen (the passerby).

The Saedinia Café project has been executed with architectural design by Mehraasa Chamani, and its lighting has been provided using Nooraneh products. In designing and implementing the lighting for this space, sources have been utilized that not only create a healthy lighting experience but also effectively convey the intended ambiance to individuals.



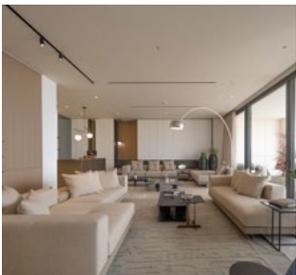




Building No.23 Parsa

Residential

Building No.23 Parsa redefines a new interpretation of modern living for its residents, an interpretation that carefully envisions the future while drawing inspiration from its surroundings. For the living area lighting, the Multi Track system with magnetic fixtures has been used, allowing for adjustable and flexible lighting. Above the dining table, a Glory system has been used, creating a luxurious and elegant ambiance. Additionally, in the lobby, a collection of Silva cylindrical pendant lights has been utilized, adding a striking visual appeal to the space.



more information





Personal Office Building Office



The interior of this office, designed by Kamran Afshar Naderi, is designed in part by the integration of the artwork Zulikha Palace.

Zulikha Palace is a work of art (3x2 m) made of stainless steel. The mood of this piece is created by a combination of traditional miniature flat perspective, scientific perspective and three dimensional perspective (the sculptural form of the work of art). The multi-point perspective, the corridors that go in several directions and the sequence of frames show Yusuf's difficult path to escape from Zulikha.







Villa number 64

Residential

In this villa project, the need for high-quality, well-controlled lighting that complements modern architecture led to the selection of a magnetic lighting system. This approach provides both visual comfort and design flexibility, allowing the lighting to integrate seamlessly with the architectural language while enhancing the overall aesthetic of the space.

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