

# TLS-MT20

48V magnetic track system





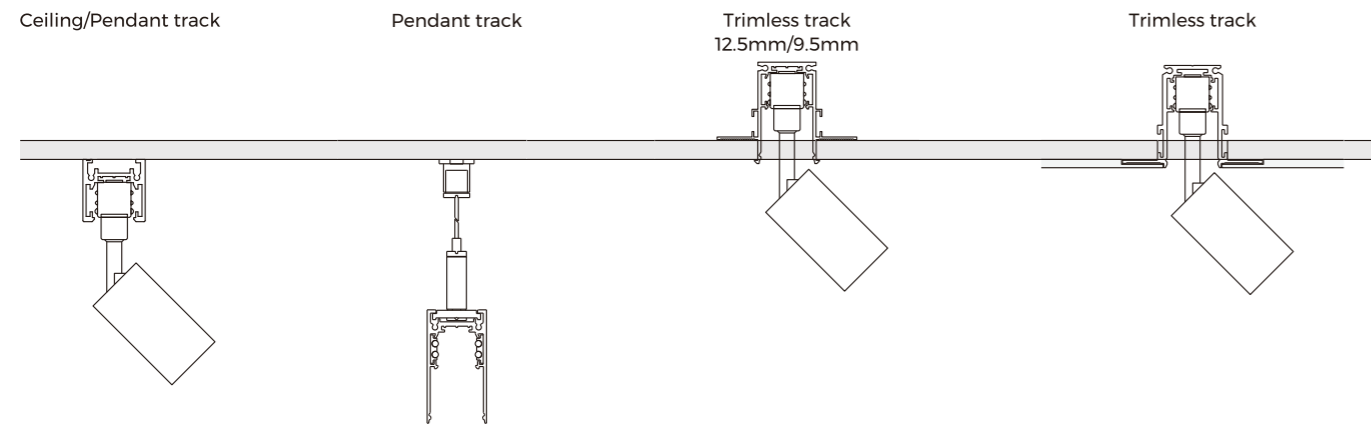
## TLS-MT20 Series

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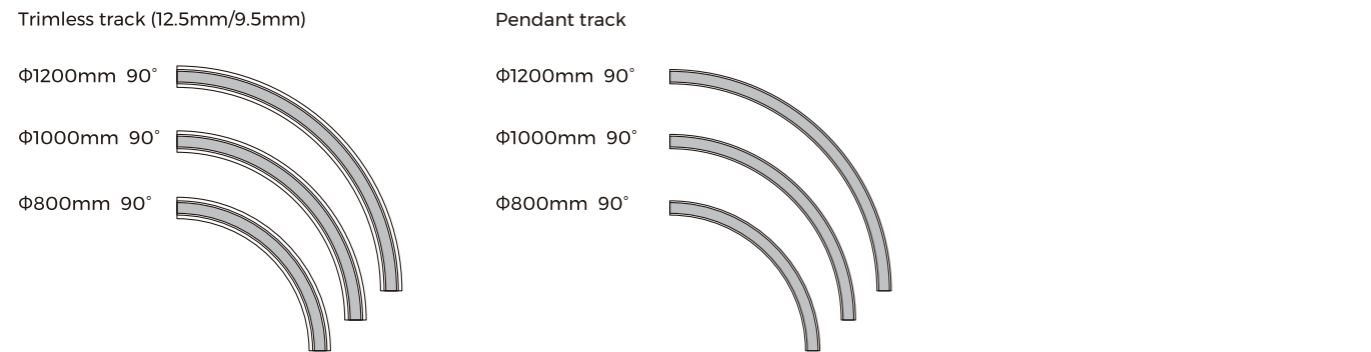
TLS-MT20 is a DC48V magnetic track system of 20mm width. Its magnetic design offers great DIY convenience to flexibly combine linear modules, spotlights, pendant lights and decorative neon flex in one system, achieving all your lighting demands like basic flood lighting, accent lighting or decorative lighting, suitable for residential villas, hotel clubs, entertainment venues or commercial exhibitions, etc.

# System overview

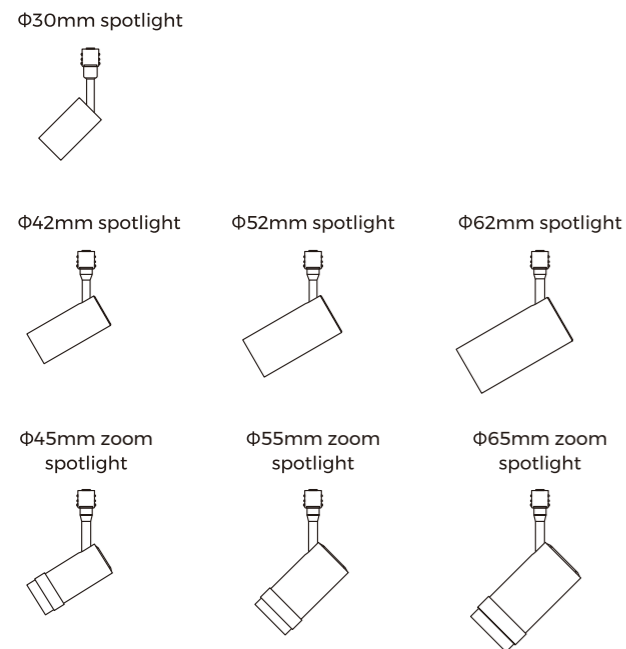
## Straight track



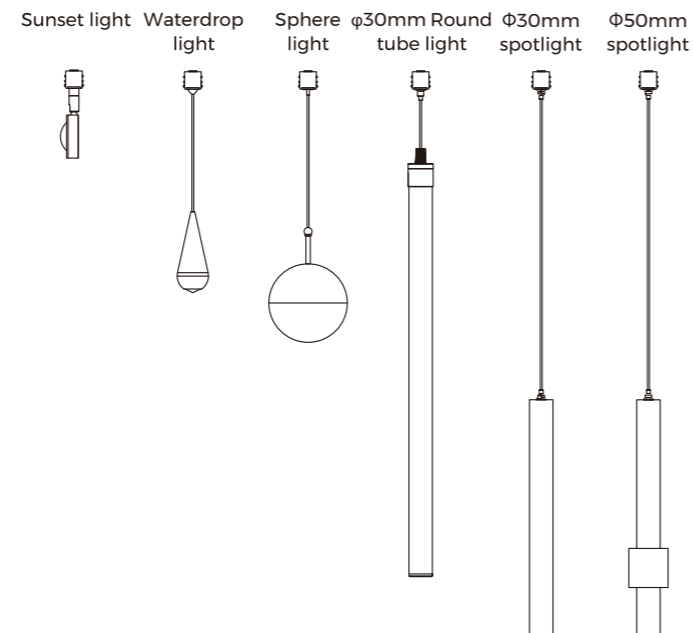
## Curve track



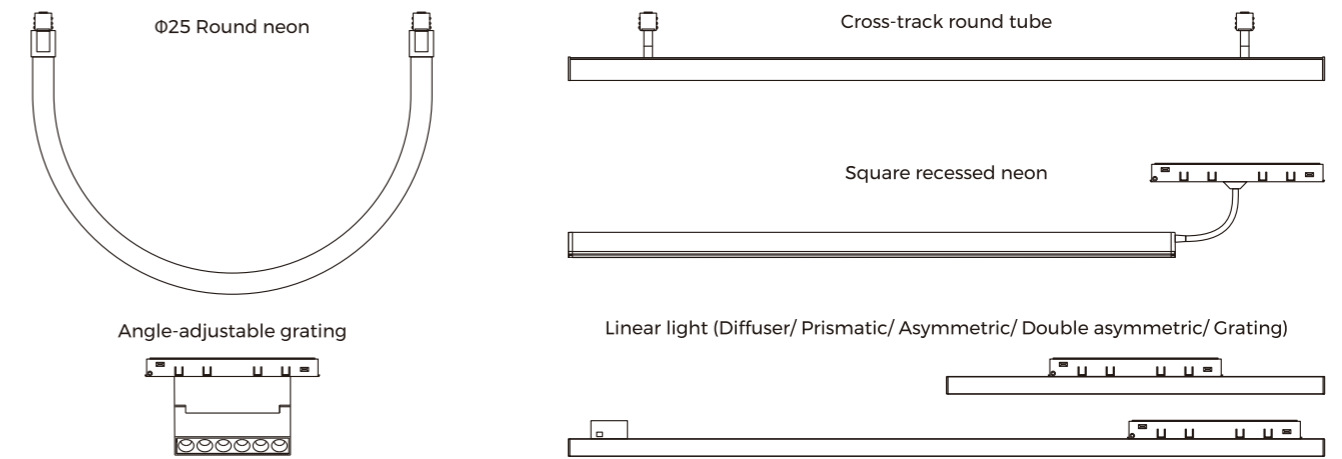
## Spotlight Module



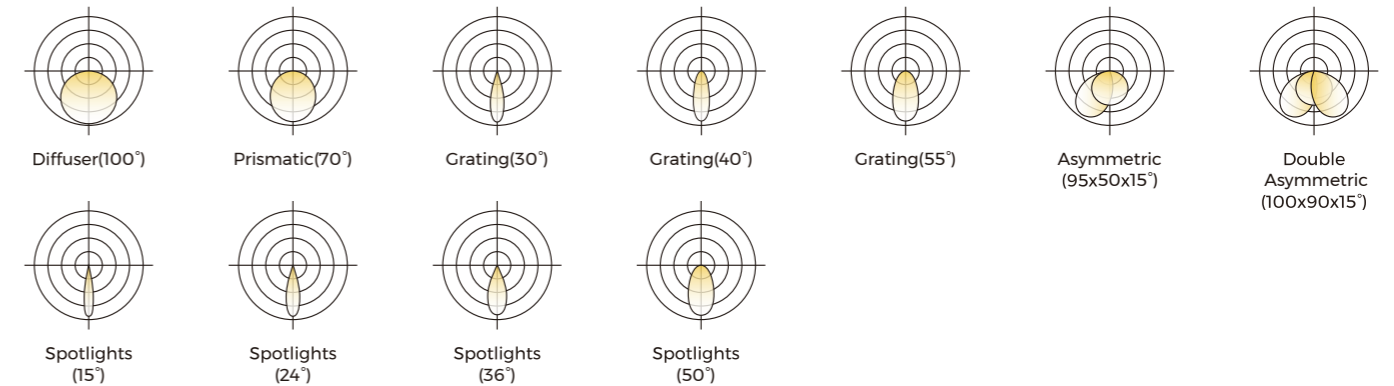
## Decorative Module



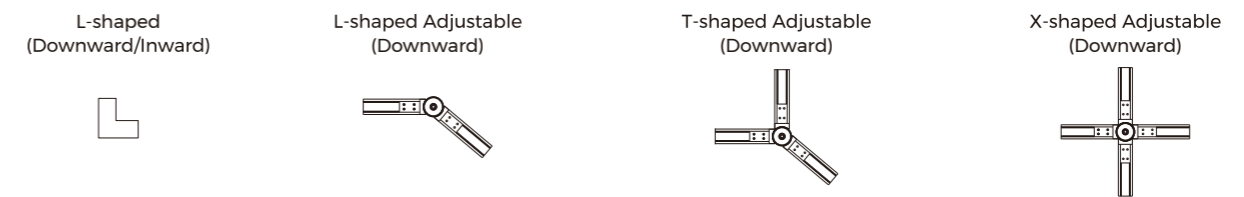
## Linear Module



## Optics



## Corner



## CCT



## Dimming



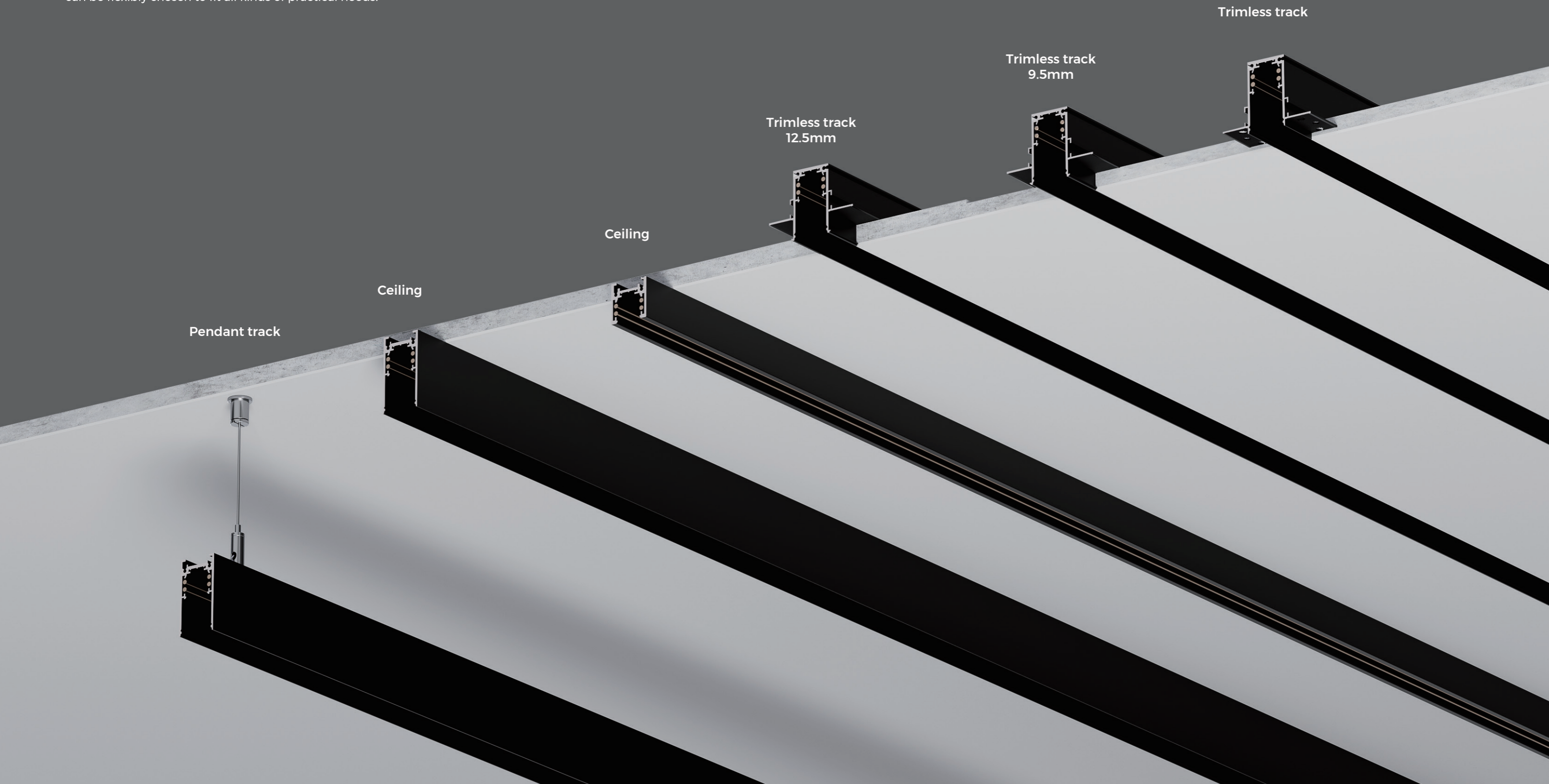
## Certifications



# Type of track

## Straight track

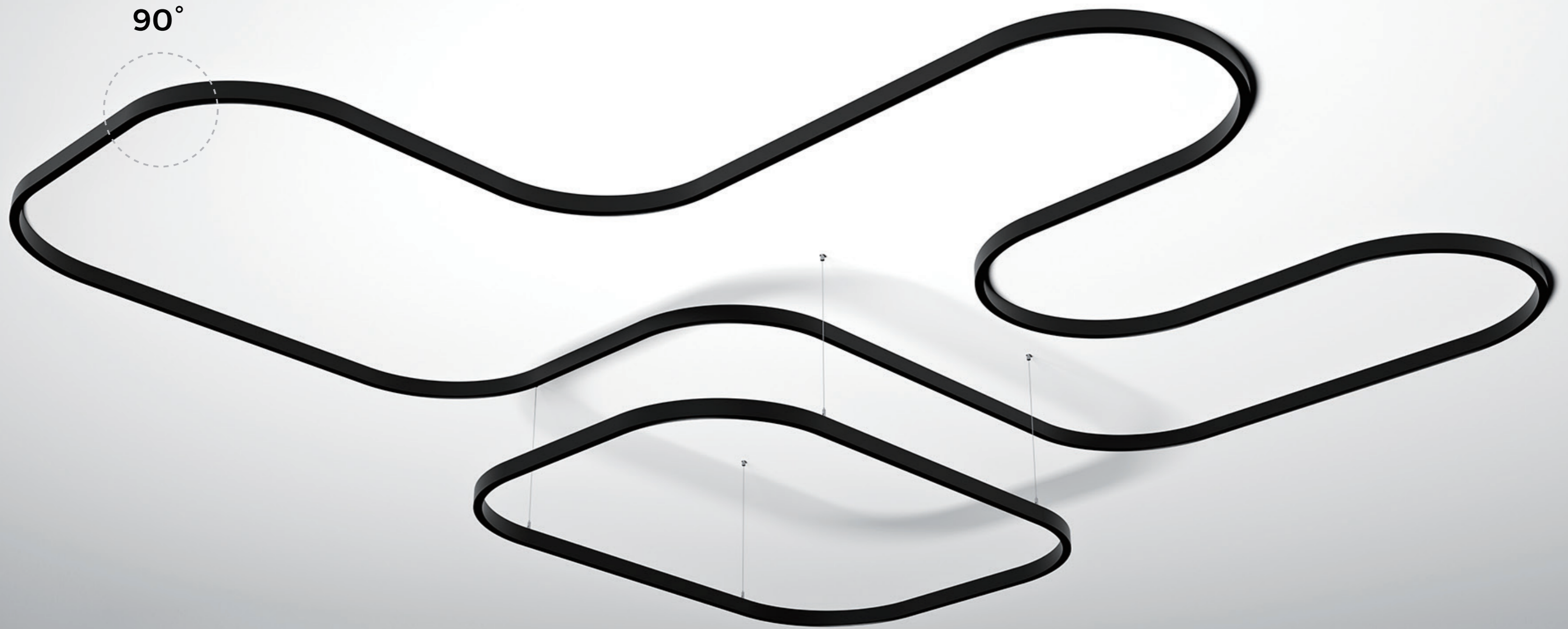
It supports including pendant, ceiling and recessed installation, can be flexibly chosen to fit all kinds of practical needs.



# Curved track

The rotation angle is 90 degrees

🌀 | Type of track



# Curved track

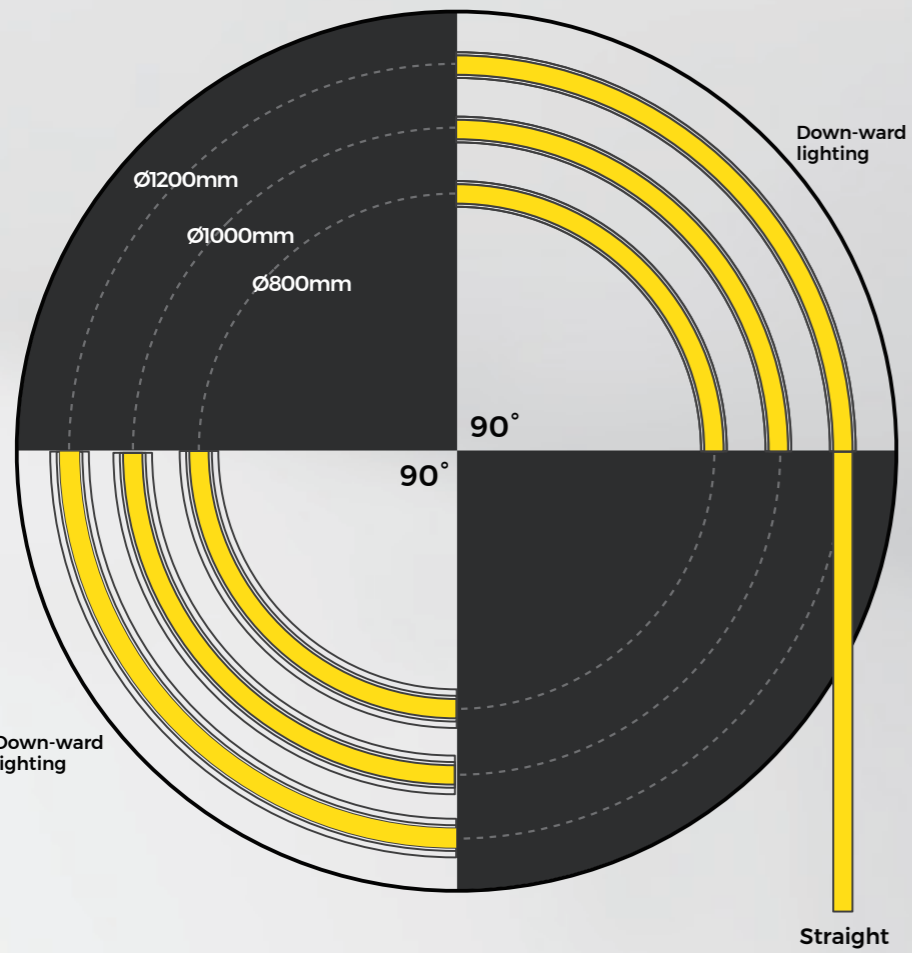
Combine with straight track for more possibilities

© | Type of track



Trimless track  
(12.5mm/9.5mm)

Pendant track



# Variety of designs

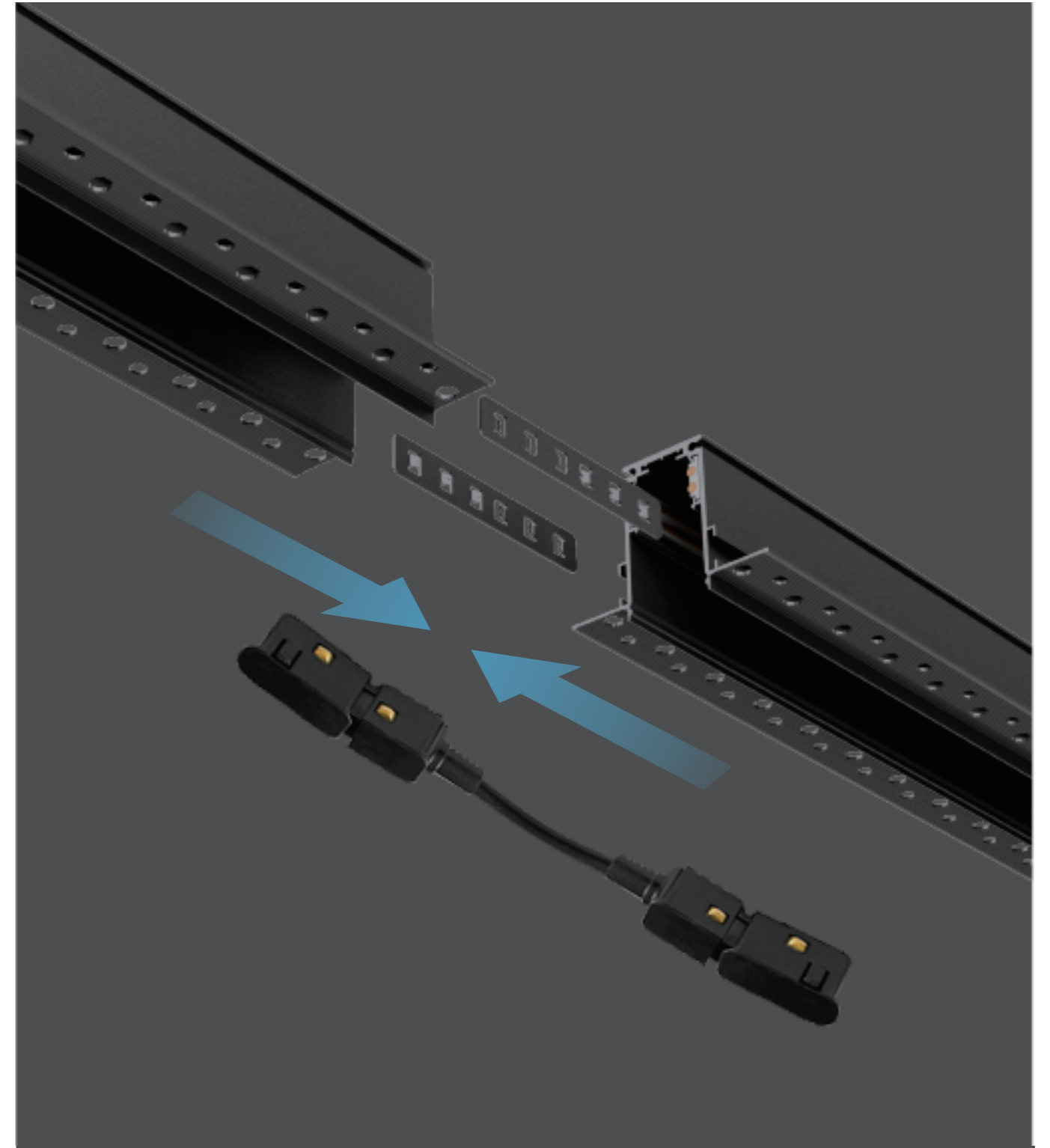
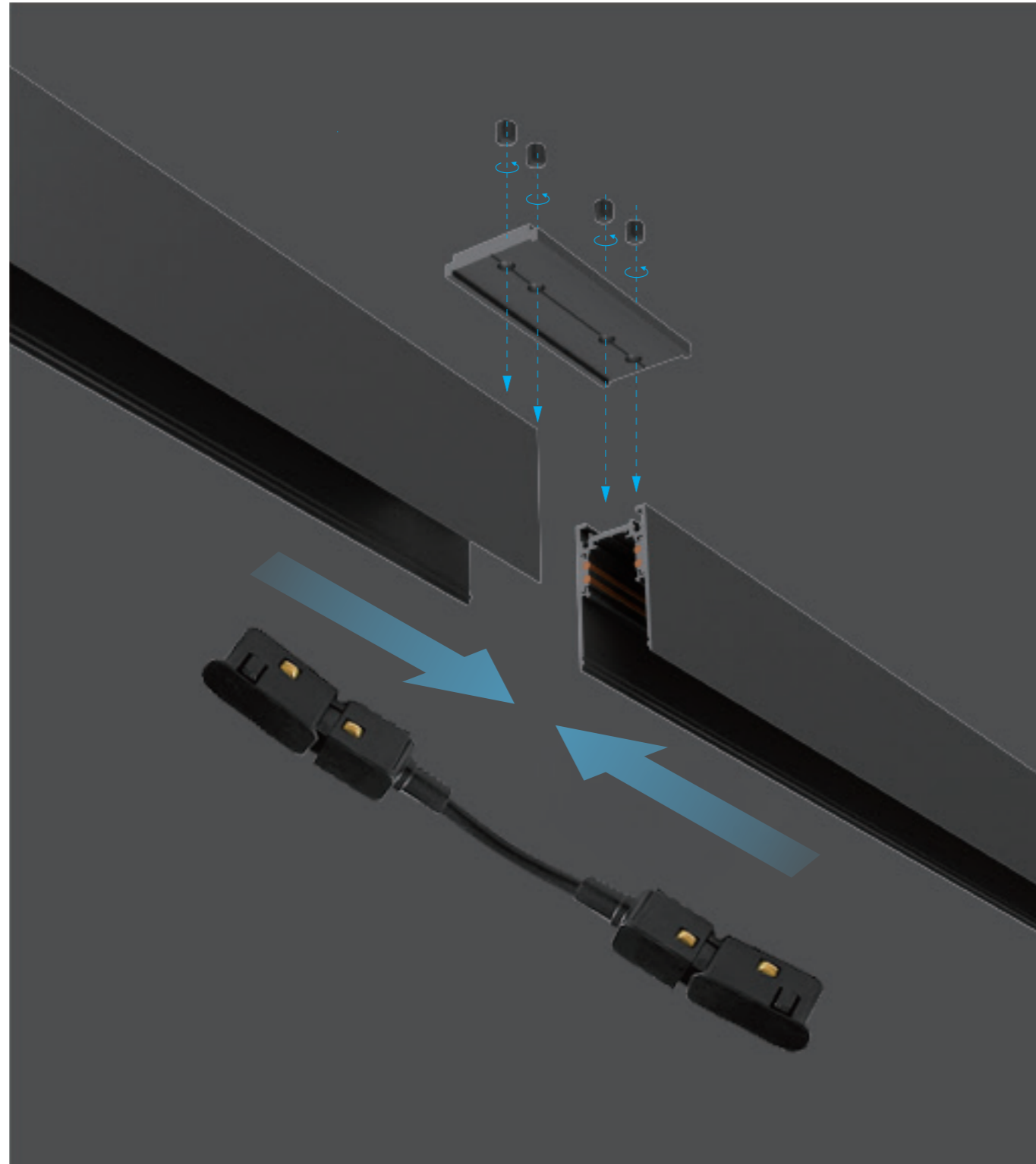
Straight lines and curves shuttle freely to realize various shapes and designs.



# Track splicing

## Easy splicing

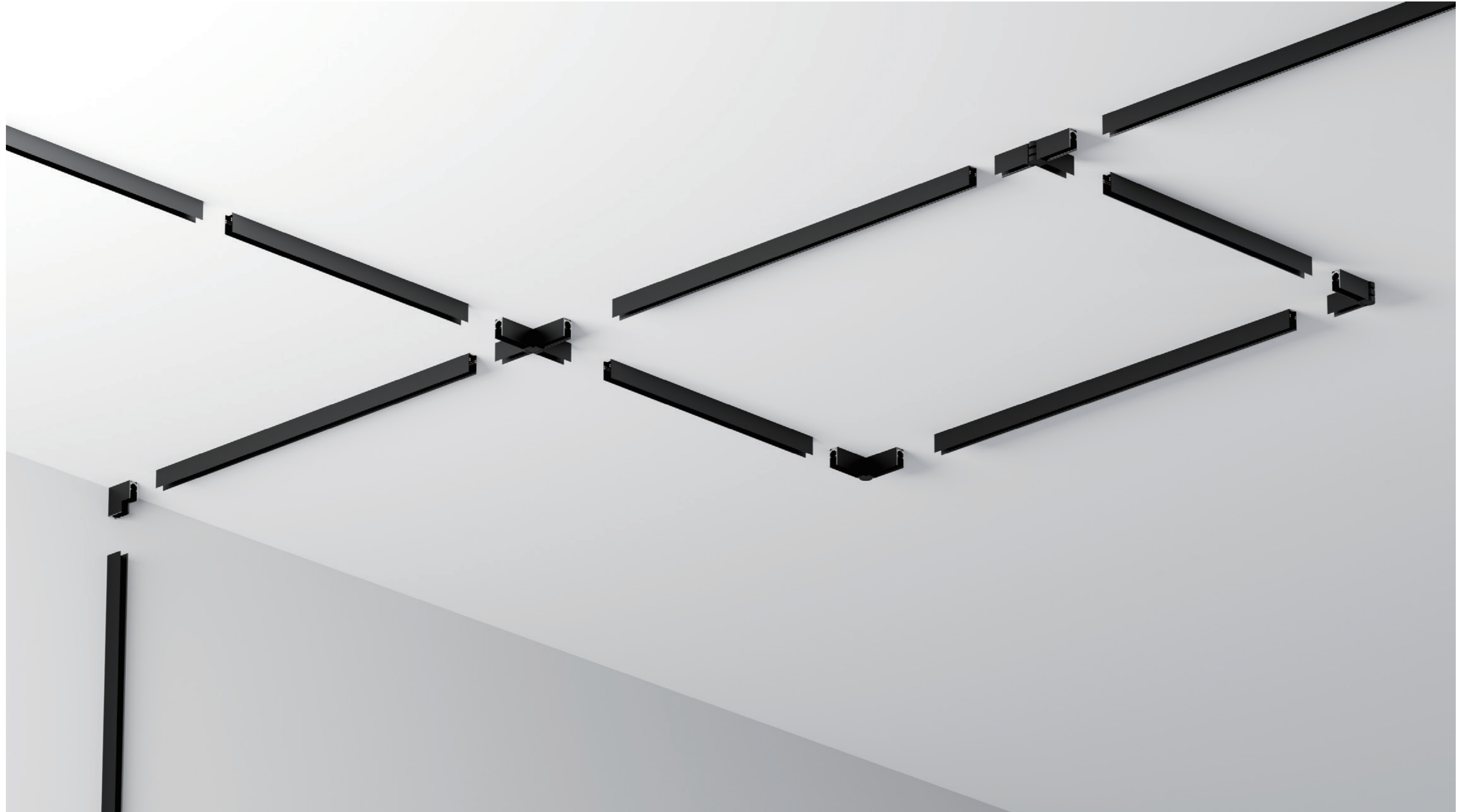
Very convenient and efficient in track splicing





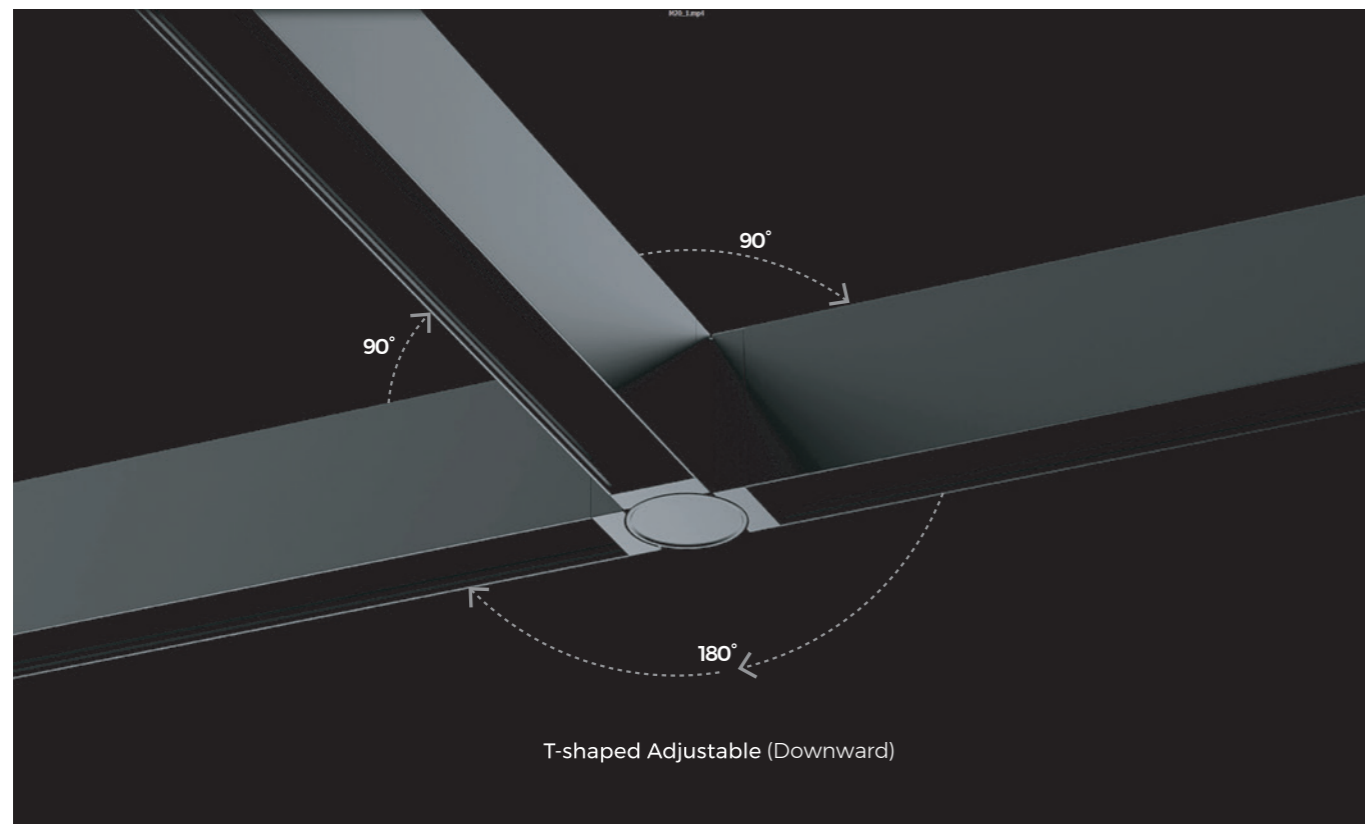
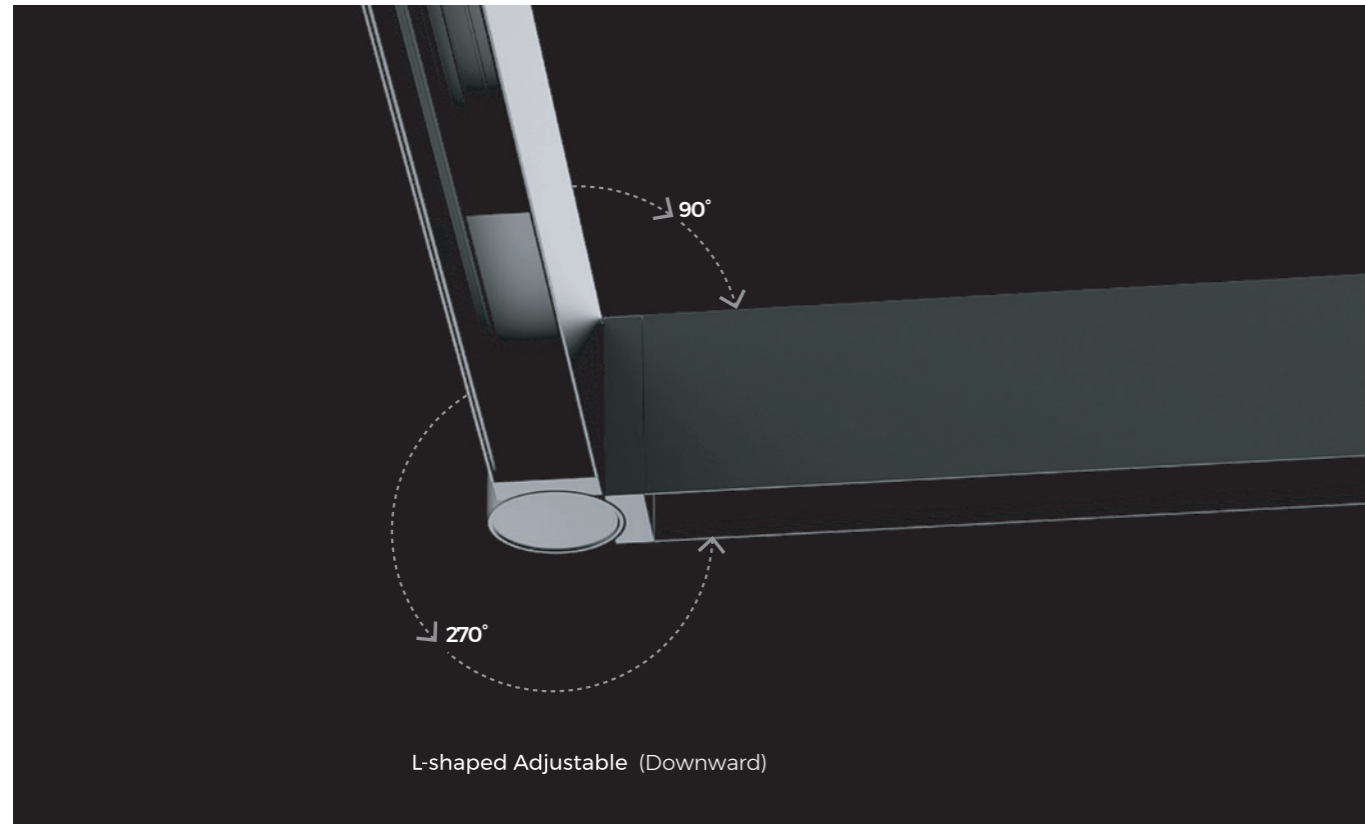
# Standard connector

13 finished accessories, no need to cut, can achieve seamless splicing



# Straight corners

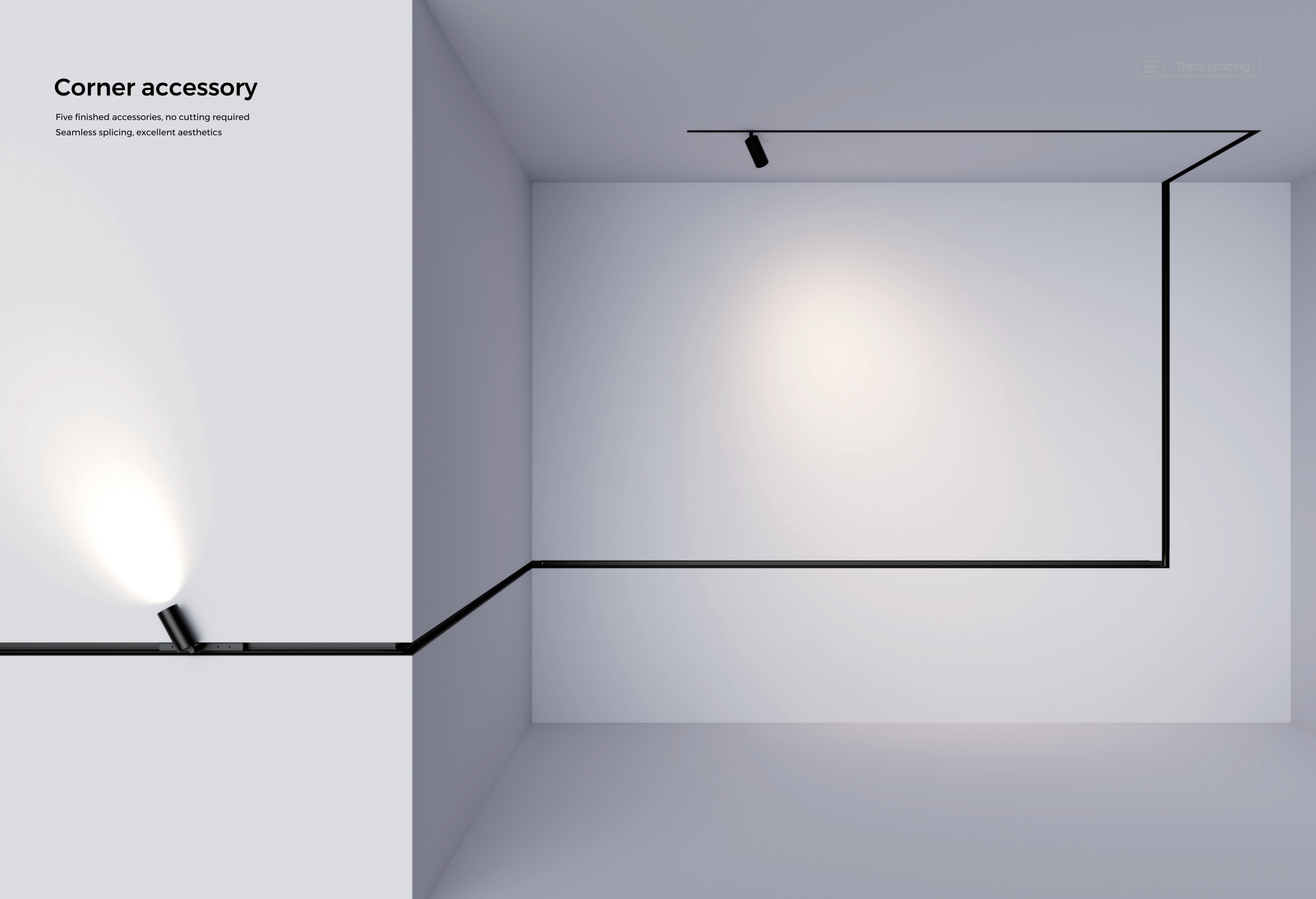
L-shaped, T-shaped and X-shaped corners can be realized, and the angle can be adjusted to achieve more possibilities.



# Corner accessory

Five finished accessories, no cutting required  
Seamless splicing, excellent aesthetics

Track splicing



# Easy installation

Easy installation



Move close, get attracted instantly

## DIY combination of modules

- Easy installation, pre-embed track and attach modules in seconds magnetically.
- Modular system, satisfies various lighting demands.
- Movable and angle adjustable, add flexibility to light designs.
- Low-voltage, safe to touch and use.





## 3CCT Dial-switch

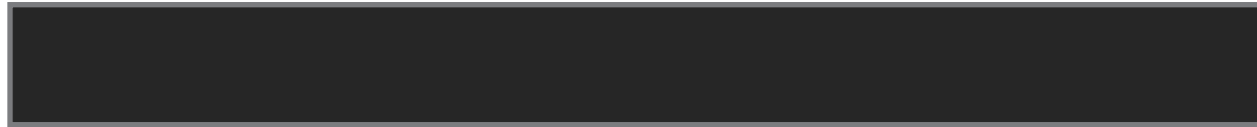
3000 K 3800 K 5000 K

All-metal housing  
Minimalist appearance

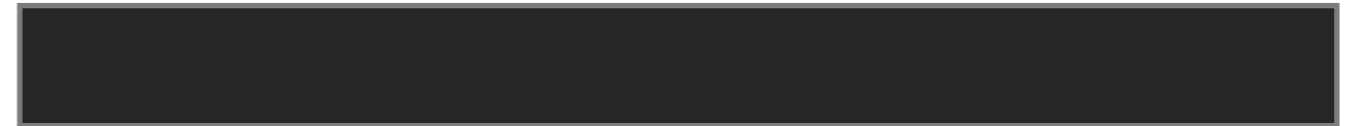


# Adaptive Voltage 24-48V

24V Magnetic Track



48V Magnetic Track

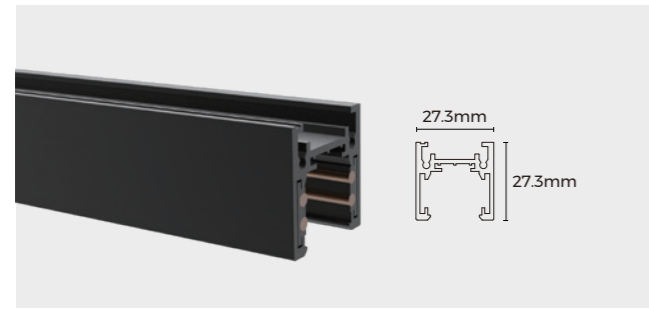


# Systematic lighting, Effortless assembly



## Straight Track

Ceiling / Pendant track

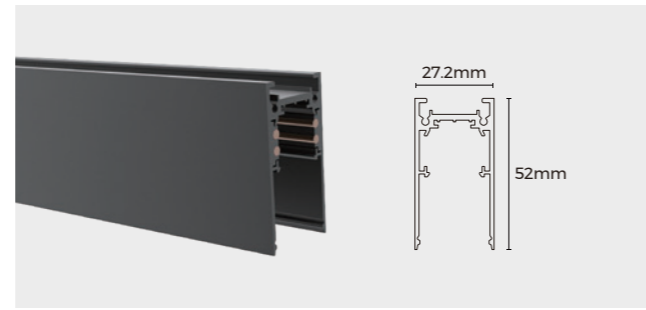


**TLS-MS2X0** (x:1/2/3 M)

Installation: Ceiling / Pendant  
Material: AL6063-T5  
Coating: Black  
Size: 27.3×27.3×1000/2000/3000mm

Rated current: 12A

Operating Voltage	Maximum power
24V	300W
48V	580W



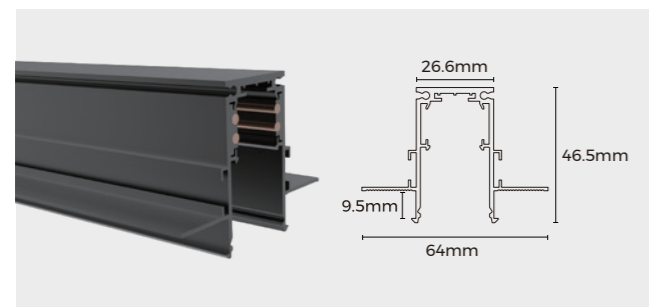
**TLS-MH2X0** (x:1/2/3 M)

Installation: Ceiling / Pendant  
Material: AL6063-T5  
Coating: Black  
Size: 27.2×52×1000/2000/3000mm

Rated current: 12A

Operating Voltage	Maximum power
24V	300W
48V	580W

Trimless recessed track

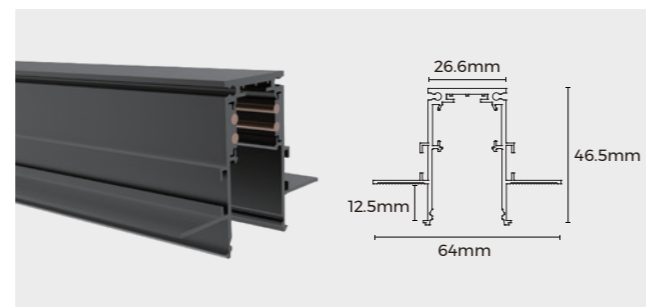


**TLS-MR2X0(A)** (x:1/2/3 M)  
9.5mm gypsum board

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Size: 64×46.5×1000/2000/3000mm

Rated current: 12A

Operating Voltage	Maximum power
24V	300W
48V	580W

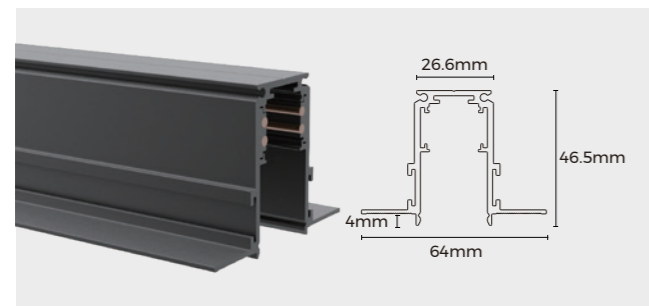


**TLS-MR2X0(B)** (x:1/2/3 M)  
12.5mm gypsum board

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Size: 64×46.5×1000/2000/3000mm

Rated current: 12A

Operating Voltage	Maximum power
24V	300W
48V	580W



**TLS-MR2X0(C)** (x:1/2/3 M)  
plastered

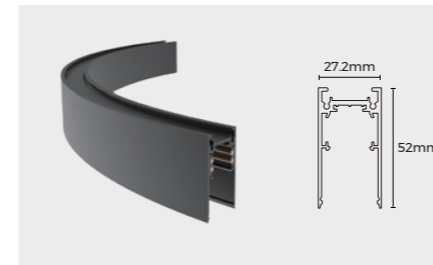
Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Size: 64×46.5×1000/2000/3000mm

Rated current: 12A

Operating Voltage	Maximum power
24V	300W
48V	580W

## Curve track

Ceiling / Pendant track

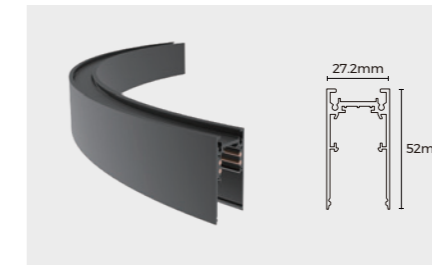


**TLS-MH208A90**

Installation: Ceiling / Pendant  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 27.2×52×Φ800mm, 90°

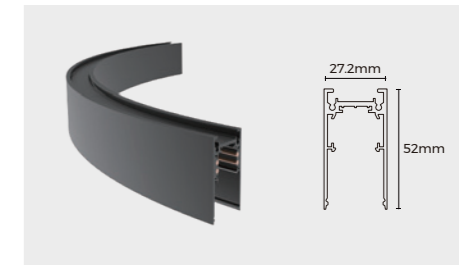


**TLS-MH210A90**

Installation: Ceiling / Pendant  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 27.2×52×Φ1000mm, 90°



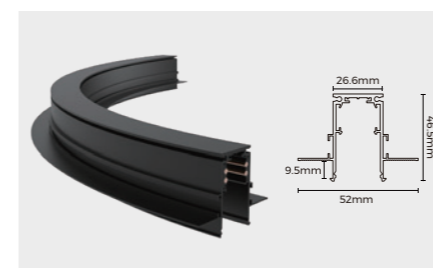
**TLS-MH212A90**

Installation: Ceiling / Pendant  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 27.2×52×Φ1200mm, 90°

Trimless track (9.5mm gypsum board)

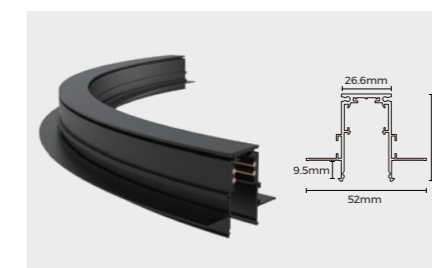


**TLS-MR208A90(A)**

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 52×46.5×Φ800mm, 90°

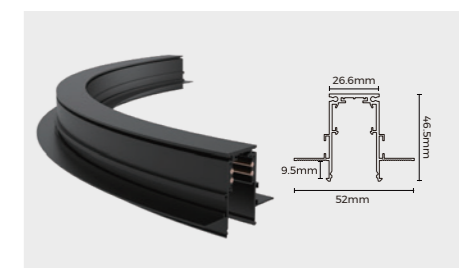


**TLS-MR210A90(A)**

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 52×46.5×Φ1000mm, 90°



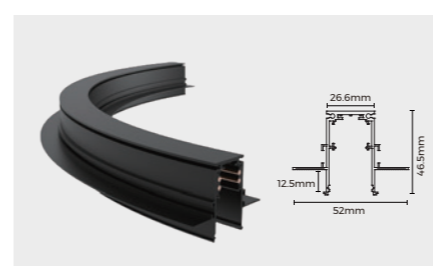
**TLS-MR212A90(A)**

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 52×46.5×Φ1200mm, 90°

Trimless track (12.5mm gypsum board)

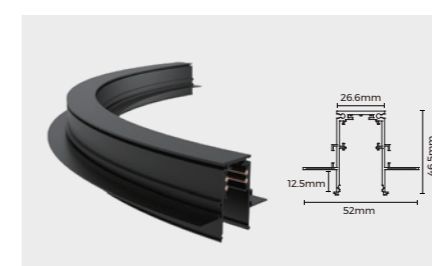


**TLS-MR208A90(B)**

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 52×46.5×Φ800mm, 90°

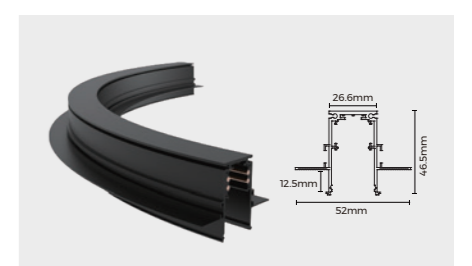


**TLS-MR210A90(B)**

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 52×46.5×Φ1000mm, 90°



**TLS-MR212A90(B)**

Installation: Trimless recessed  
Material: AL6063-T5  
Coating: Black  
Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Size: 52×46.5×Φ1200mm, 90°

# Track accessories

## Electrical connection accessory



**Power feeder of track**  
Model: TLS-M261  
Size: L147\*W19\*H17.3mm  
Applicable model: All straight track



**I-shaped electrical connector (recessed type)**  
Model: TLS-M265  
Size: L70\*W11.5\*H2.1mm(Splicing bar)  
L78\*W19\*H17mm(Power feeder)  
Applicable model: TLS-MR2X0A  
TLS-MR2X0B  
TLS-MR2X0C



**I-shaped electrical connector (Surface)**  
Model: TLS-M266  
Size: L55\*W22\*H4.3mm(Splicing bar)  
L78\*W19\*H17mm(Power feeder)  
Applicable model: TLS-MS2X0  
TLS-MH2X0



**Electrical connector**  
Model: TLS-M264  
Size: L147\*W19\*H17.3mm  
Applicable model:  
All straight track corner

## Power supply



**Magnetic power**  
Model: MT20-HDRV100H48S-M  
Size: L248\*W22.5\*H46mm  
Input voltage: 220-240VAC  
Output: DC48V  
Power: 100W  
Applicable model: All straight track



**Magnetic power**  
Model: MT20-HDRV200H48S-M  
Size: L305\*W22.5\*H46mm  
Input voltage: 220-240VAC  
Output: DC48V  
Power: 200W  
Applicable model: All straight track

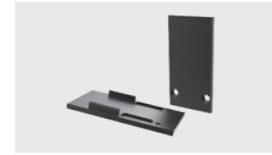


**Power supply**  
Model: BN-V48-100P  
Size: L350\*W30\*H18mm  
Input voltage: 220-240VAC  
Output: DC48V  
Power: 100W  
Applicable model: All track



**Power supply**  
Model: BN-V48-250P  
Size: L400\*W40\*H22mm  
Input voltage: 220-240VAC  
Output: DC48V  
Power: 250W  
Applicable model: All track

## End cap



Model: EC-MH20  
Material: Aluminum  
Size: L52\*W27.2\*H5.5mm  
Applicable model: TLS-MH2X0

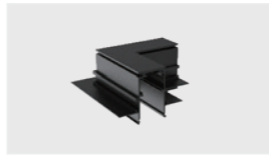


Model: EC-MR20  
Material: Aluminum  
Size: L46.5\*W27.5\*H5.5mm  
Applicable model: TLS-MR2X0(A)  
TLS-MR2X0(B)  
TLS-MR2X0(C)



Model: EC-MS20  
Material: Aluminum  
Size: L27.6\*W27.5\*H2.5mm  
Applicable model: TLS-MS2X0

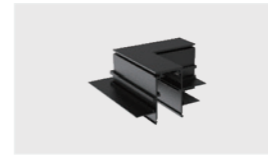
## Corner accessory



**L-shaped (Downward)**  
Model: L90-MR20(A)  
Material: AL6063-T5  
Size: L95\*W95\*H46.5mm  
Applicable model: TLS-MR2X0(A)



**L-shaped (Inward)**  
Model: L90N-MR20(A)  
Material: AL6063-T5  
Size: L80\*W80\*H64mm  
Applicable model: TLS-MR2X0(A)

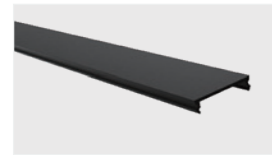


**L-shaped (Downward)**  
Model: L90-MR20(B)  
Material: AL6063-T5  
Size: L95\*W95\*H46.5mm  
Applicable model: TLS-MR2X0(B)



**L-shaped (Inward)**  
Model: L90N-MR20(B)  
Material: AL6063-T5  
Size: L80\*W80\*H64mm  
Applicable model: TLS-MR2X0(B)

## Installation accessory



**Track bind cover**  
Model: CV-M20FB  
Material: PVC  
Size: L1000\*W25.7\*H5.6mm  
Applicable model: All straight track



**Ceiling accessory**  
Model: TLS-M271  
Material: SPCC  
Size: L67.5\*W31.5\*H7.5mm  
Applicable model: TLS-MS2X0  
TLS-MH2X0



**Pendant accessory**  
Model: TLS-M272  
Material: AL6063-T5  
Size: L30\*W22\*H4.3mm  
Applicable model: TLS-MS2X0  
TLS-MH2X0



**Ceiling screw**  
Model: CL-01  
Material: Fe  
Size: M3.5\*40mm  
Applicable model: TLS-MR2X0(A)  
TLS-MR2X0(B)  
TLS-MR2X0(C)



**L-shaped (Downward)**  
Model: L90-MR20(C)  
Material: AL6063-T5  
Size: L95\*W95\*H46.5mm  
Applicable model: TLS-MR2X0(C)



**L-shaped (Inward)**  
Model: L90N-MR20(C)  
Material: AL6063-T5  
Size: L80\*W80\*H64mm  
Applicable model: TLS-MR2X0(C)



**L-shaped (Downward)**  
Model: L90-MS20  
Material: AL6063-T5  
Size: L50\*W50\*H27.3mm  
Applicable model: TLS-MS2X0



**L-shaped (Inward)**  
Model: L90N-MS20  
Material: AL6063-T5  
Size: L50\*W50\*H27.3mm  
Applicable model: TLS-MS2X0



**L-shaped (Downward)**  
Model: L90-MH20  
Material: AL6063-T5  
Size: L50\*W50\*H52mm  
Applicable model: TLS-MH2X0



**L-shaped (Inward)**  
Model: L90N-MH20  
Material: AL6063-T5  
Size: L80\*W80\*H27.2mm  
Applicable model: TLS-MH2X0



**L-shaped Adjustable (Downward)**  
Model: L90-MH20(A)  
Material: AL6063-T5  
Size: L120\*W27.2\*H52mm  
Applicable model: TLS-MH2X0



**T-shaped Adjustable (Downward)**  
Model: T90-MH20(A)  
Material: AL6063-T5  
Size: L120\*W60\*H52mm  
Applicable model: TLS-MH2X0



**X-shaped Adjustable (Downward)**  
Model: X90-MH20(A)  
Material: AL6063-T5  
Size: L120\*W120\*H52mm  
Applicable model: TLS-MH2X0



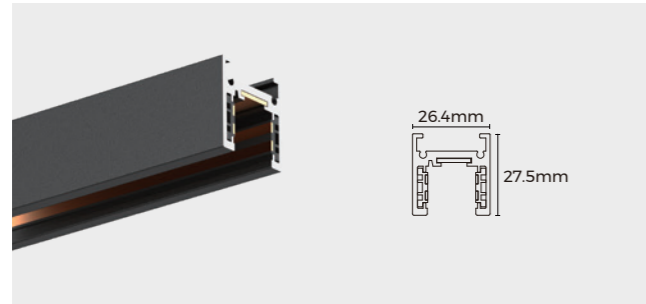
**CASAMBI Control**  
Model: 1200EN1812-CAS-W0-BLDAV48  
Size: 142.6\*18\*58.1mm  
Input voltage: 48VDC  
Output signal: DALI  
Output DALI Max.current: 180mA  
Control devices: ≤64  
Control groups: ≤8  
Certification: CE, UKCA  
Others: Controller should be used with DALI dimming modules.



# Systematic lighting, Effortless assembly

## ECO Straight Track

Ceiling / Pendant track



**TLS-ECO-MS2X0** (x:1/2/3 M)

Installation: Ceiling / Pendant

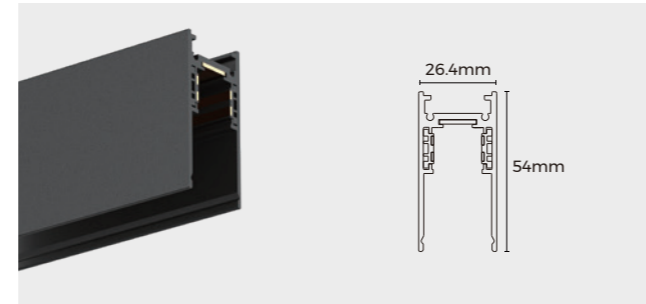
Material: AL6063-T5

Coating: Black

Size: 26.4×27.5×1000/2000/3000mm

Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W



**TLS-ECO-MH2X0** (x:1/2/3 M)

Installation: Ceiling / Pendant

Material: AL6063-T5

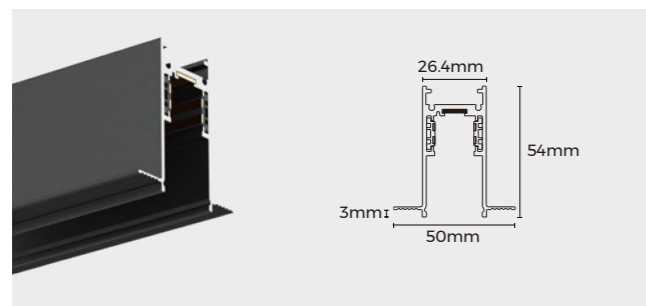
Coating: Black

Size: 26.4×54×1000/2000/3000mm

Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

Trimless recessed track



**TLS-ECO-MR2X0** (x:1/2/3 M)

3mm gypsum board

Installation: Trimless recessed

Material: AL6063-T5

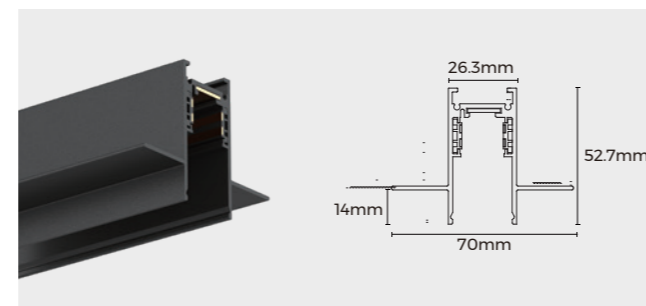
Coating: Black

Size: 50×54×1000/2000/3000mm

Opening Size: 30×1000/2000/3000mm

Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W



**TLS-ECO-MR2X0(A)** (x:1/2/3 M)

12.5mm gypsum board

Installation: Trimless recessed

Material: AL6063-T5

Coating: Black

Size: 70×52.7×1000/2000/3000mm

Opening Size: 30×1000/2000/3000mm

Rated current: 7.5A

Operating Voltage	Maximum power
24V	180W
48V	360W

## Track accessories

### Electrical connection accessory



L-shaped (Downward)

Model: L90-ECO-MH20

Material: PC

Size: L99.5×W99.5×H46mm

Applicable model: TLS-ECO-MH2X0  
TLS-ECO-MR2X0  
TLS-ECO-MR2X0(A)



L-shaped (Downward)

Model: L90-ECO-MS20

Material: PC

Size: L99.5×W99.5×H21mm

Applicable model: TLS-ECO-MS2X0



L-shaped (Downward)

Model: L90-ECO-M281

Material: PC

Size: L143×W16.2×H17mm

Applicable model: TLS-ECO-MH2X0  
TLS-ECO-MR2X0  
TLS-ECO-MR2X0(A)  
TLS-ECO-MS2X0

### ECO End cap



Model: EC-ECO-MH20

Material: PC

Size: L52×W26×H6.3mm

Applicable model: TLS-ECO-MH2X0  
TLS-ECO-MR2X0  
TLS-ECO-MR2X0(A)



Model: EC-ECO-MS20

Material: PC

Size: L26.5×W21.2×H6.8mm

Applicable model: TLS-ECO-MS2X0

### Intallation accessory



Pendant accessory

Model: TLS-ECO-M280

Material: AL6063-T5

Size: L33×W22.6×H2000mm

Applicable model: TLS-ECO-MS2X0  
TLS-ECO-MH2X0

# Spotlights module

Easy installation

**MT20S-30**  
Φ30mm spotlight



**MT20S-42**  
Φ42mm spotlight



**MT20S-52**  
Φ52mm spotlight



**MT20S-62**  
Φ62mm spotlight



**MT20SZ-45**  
Φ45mm zoom spotlight



**MT20SZ-55**  
Φ55mm zoom spotlight



**MT20SZ-65**  
Φ65mm zoom spotlight



## Optics



## Zoom Spotlight



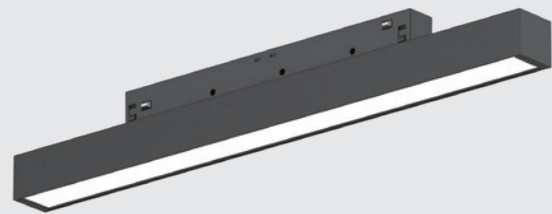
# Linear module

Easy installation

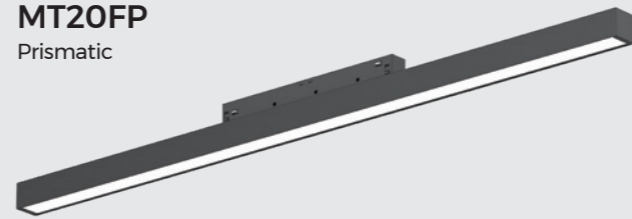
**MT20GW**  
Wall washer



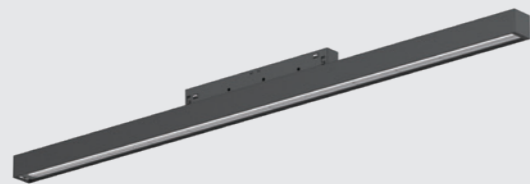
**MT20FD**  
Diffuser



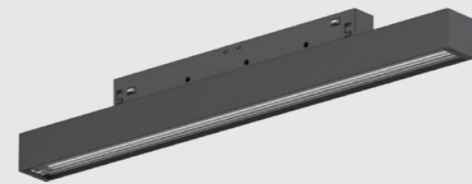
**MT20FP**  
Prismatic



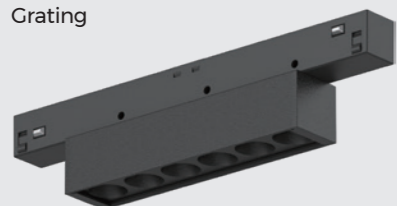
**MT20LA**  
Asymmetric



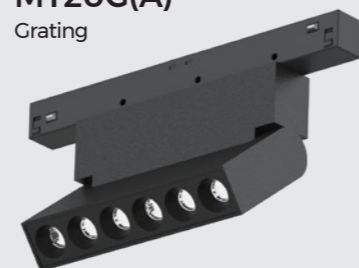
**MT20LS**  
Double Asymmetric



**MT20G**  
Grating

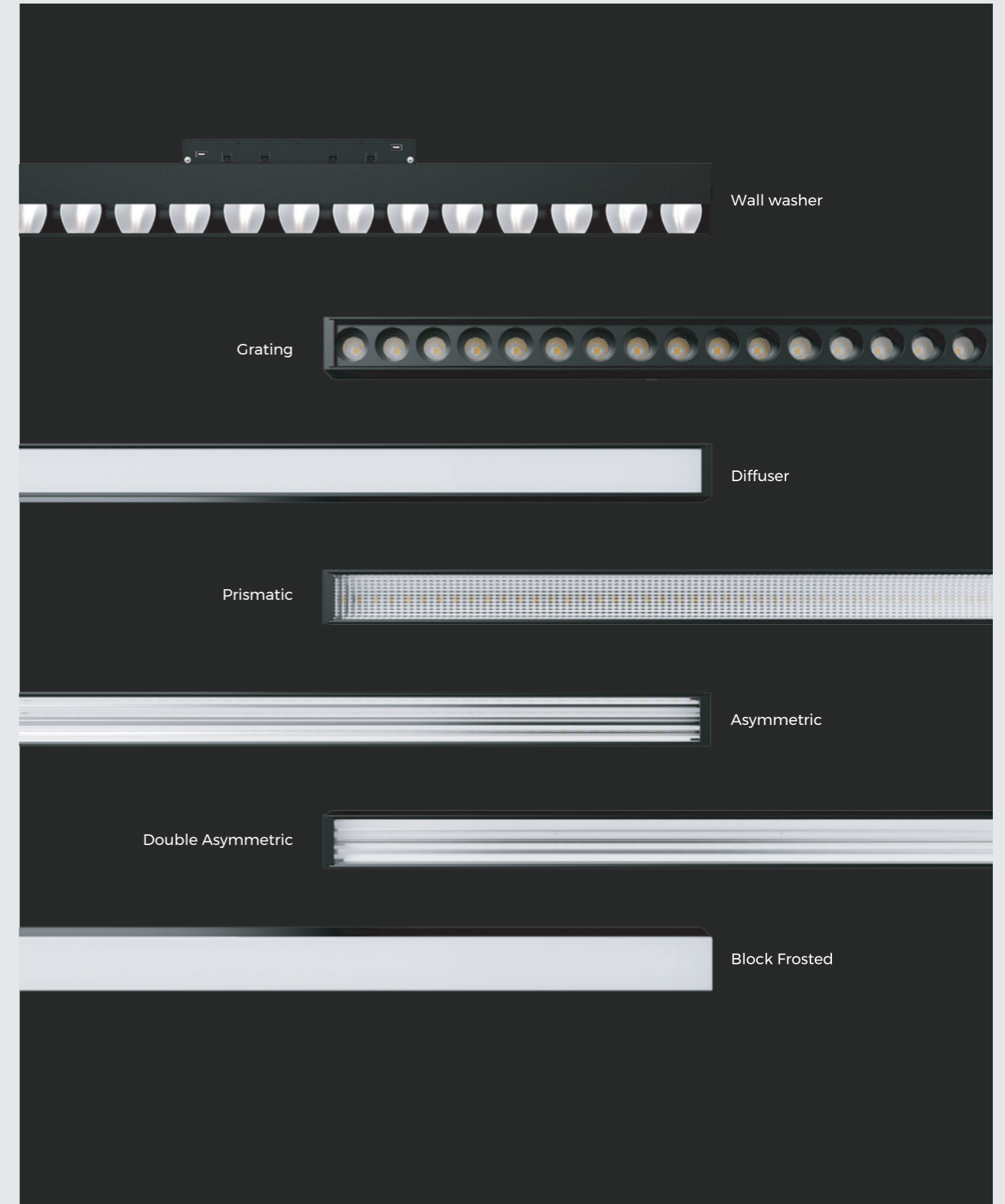


**MT20G(A)**  
Grating



\*The Angle is adjustable

## Mask



### Wall washer

The distance from the wall is 0.5m (real shot)



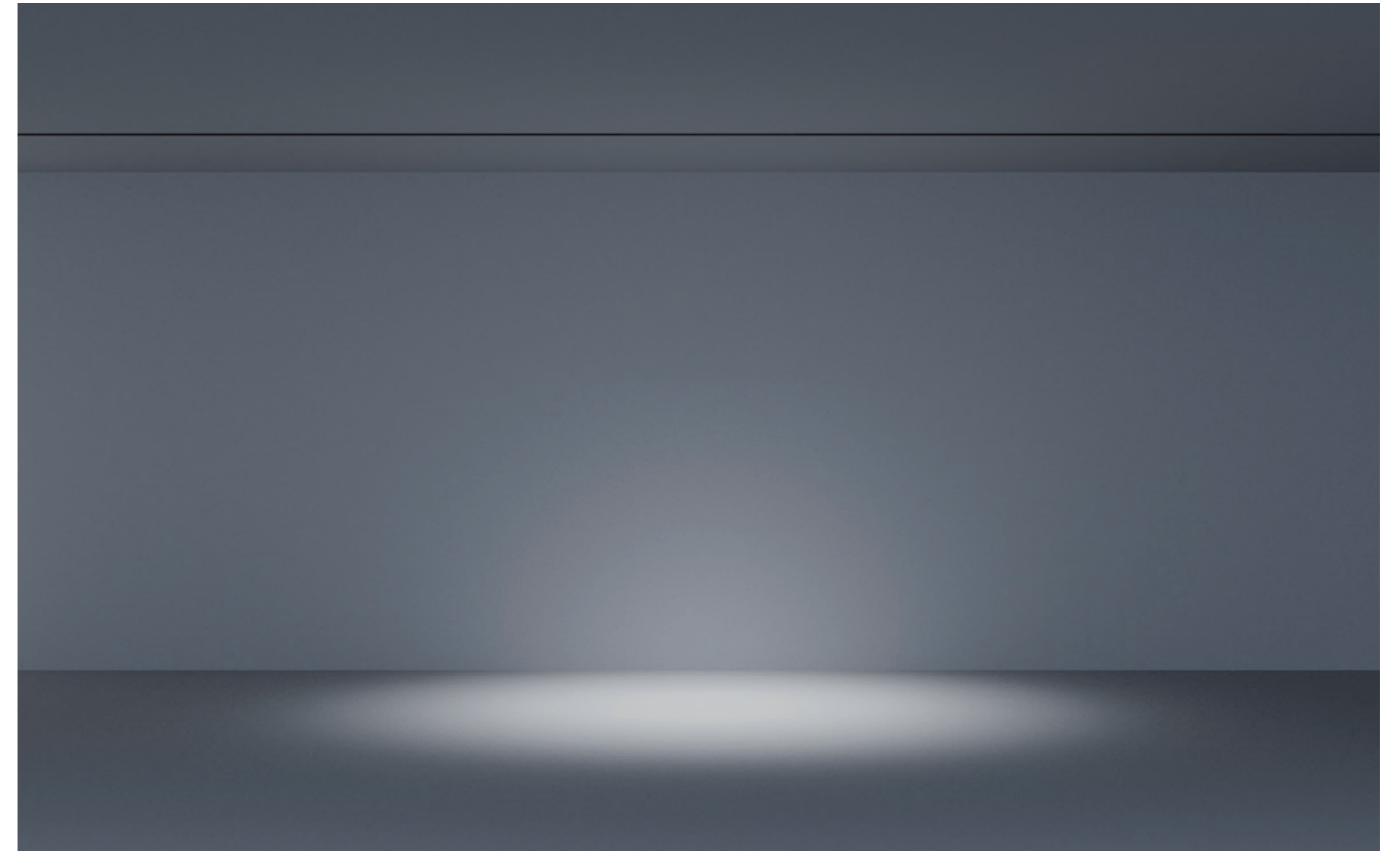
The distance from the wall is 0.8m real shot



The distance from the wall is 1m real shot



### Grating



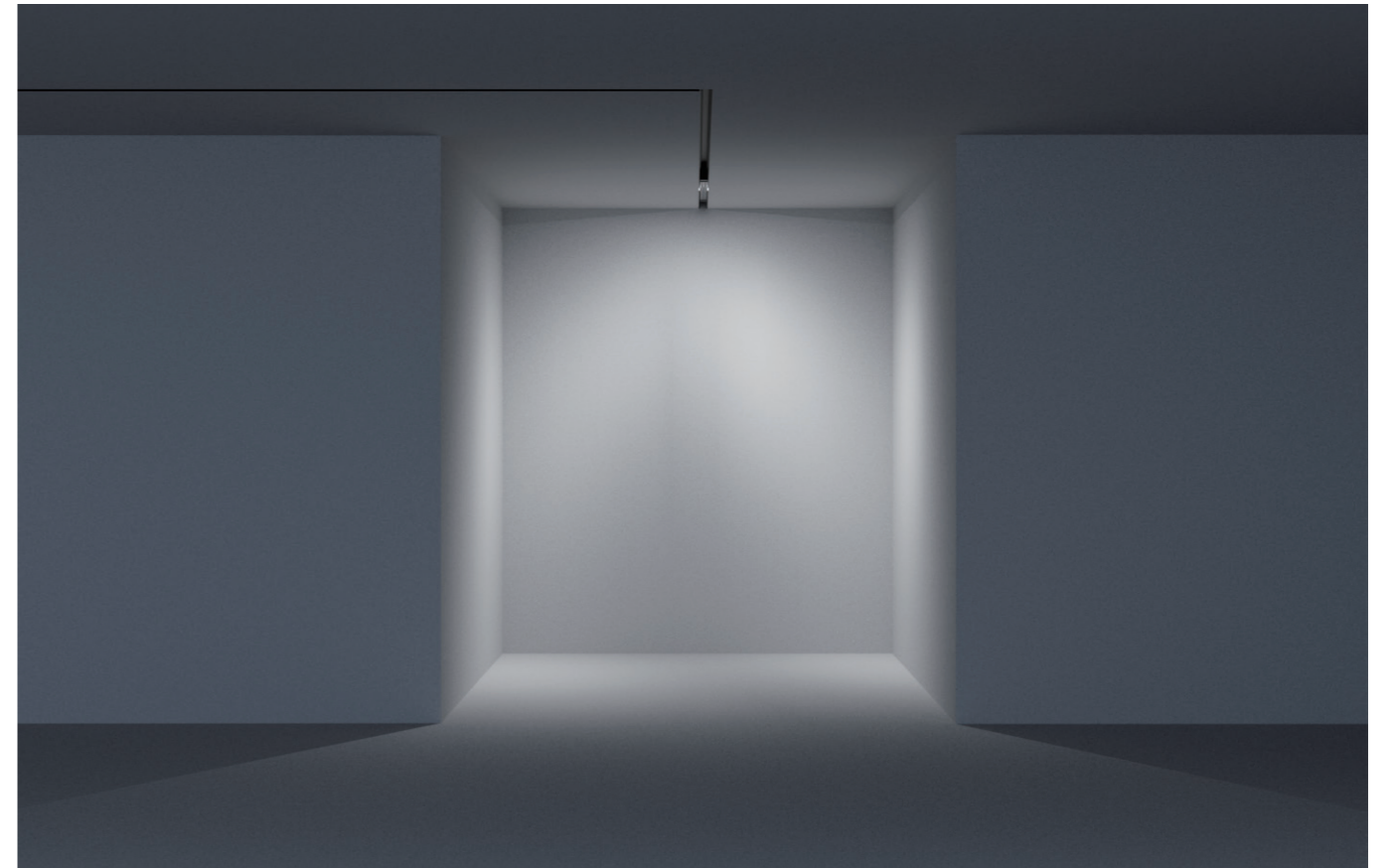
### Diffuser



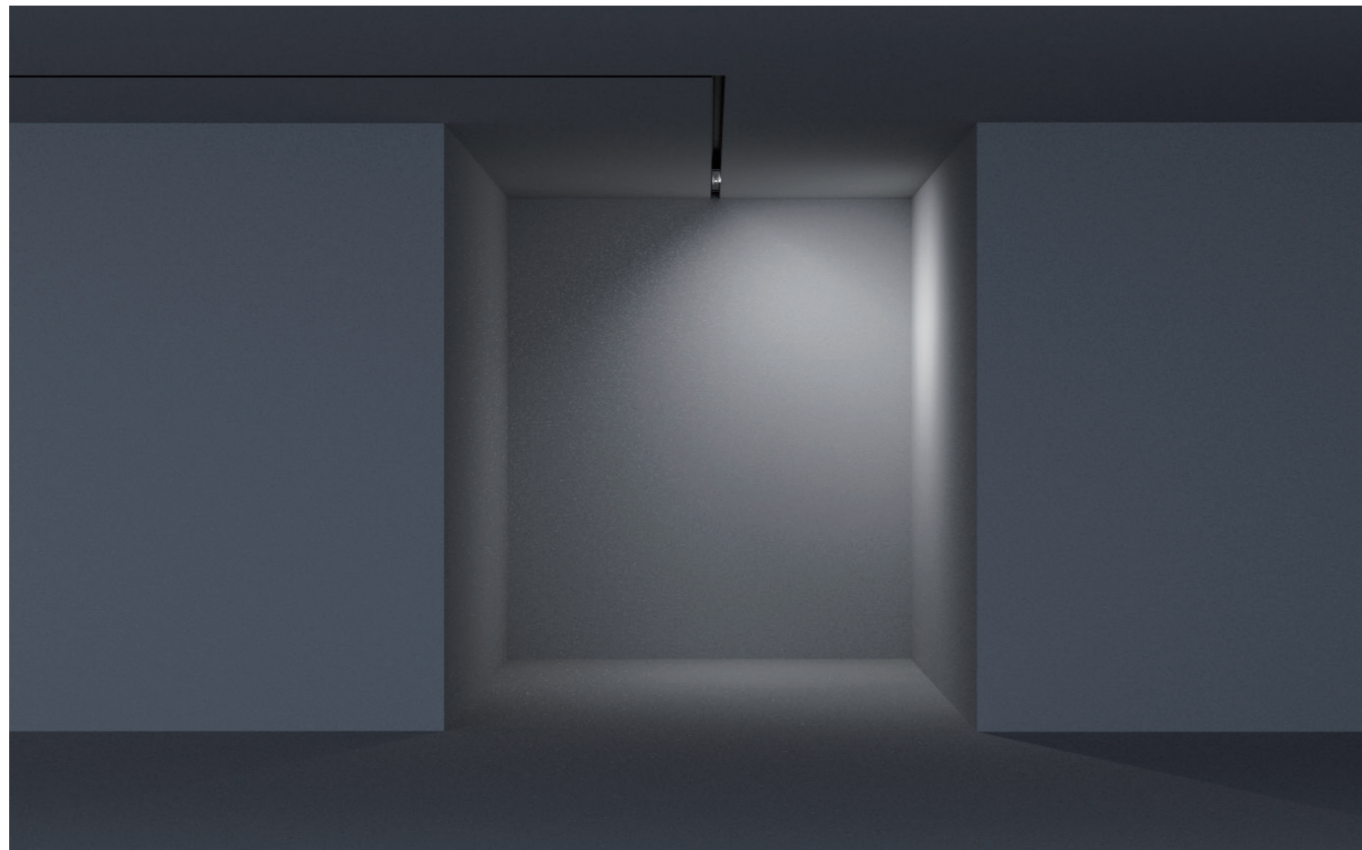
Prismatic



Double Asymmetric



Asymmetric



Block Frosted



**MT20NK-25**  
Round neon



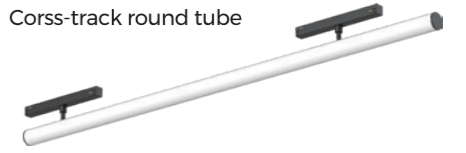
**MT20NK-27**  
Square recessed neon



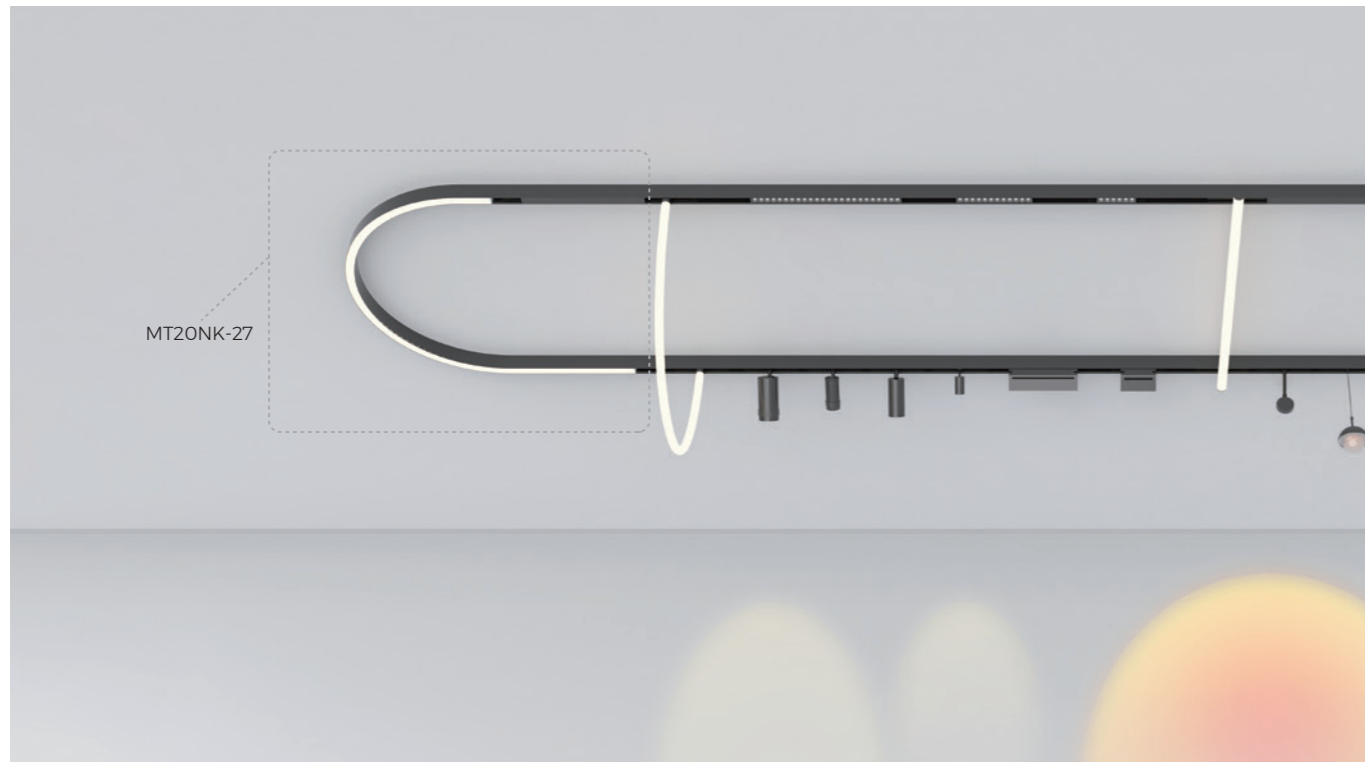
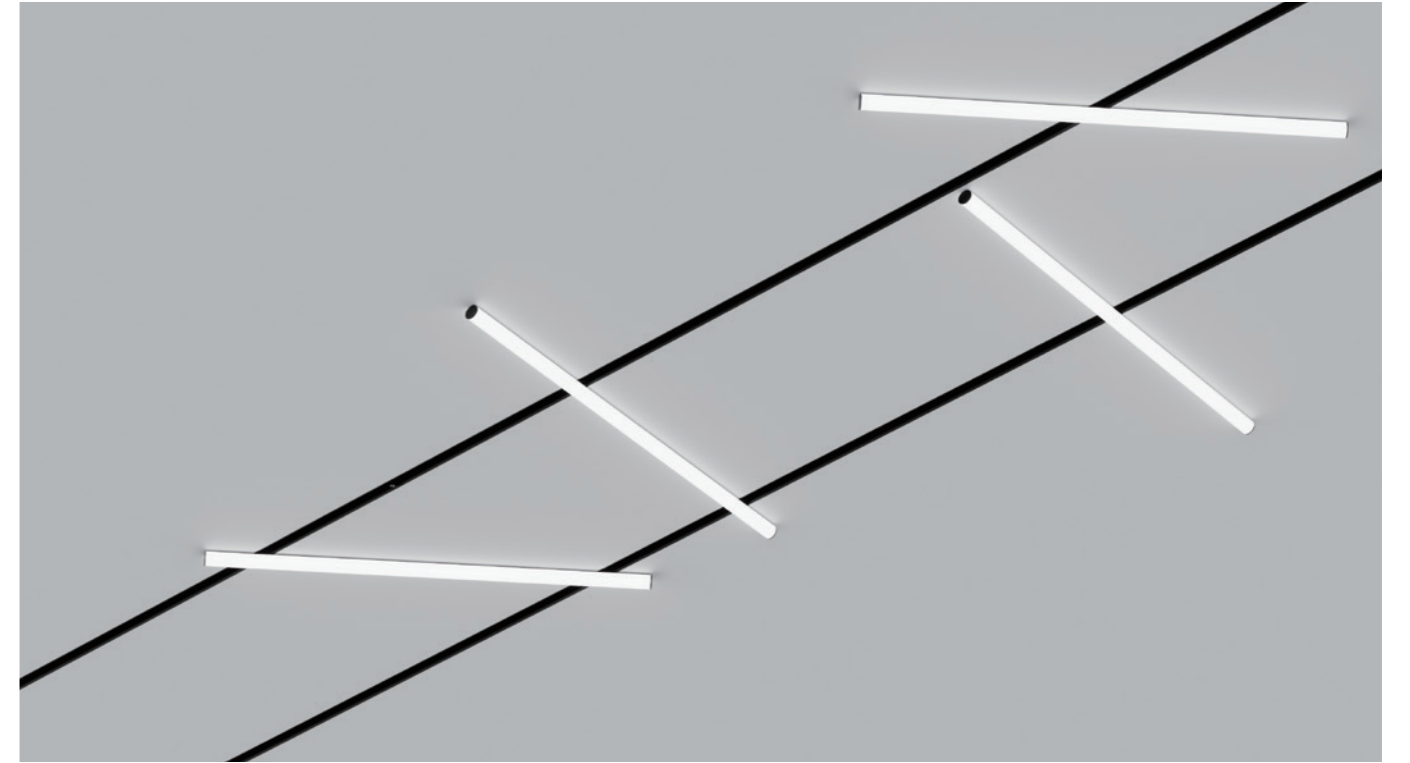
**MT20CD**  
Round tube



**MT20CD(A)**  
Cross-track round tube



Easy installation



# Decorative light module

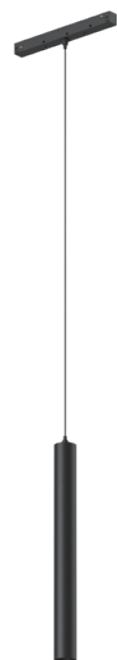
**MT20SS**  
Sunset light



**MT20IW**  
Waterdrop light



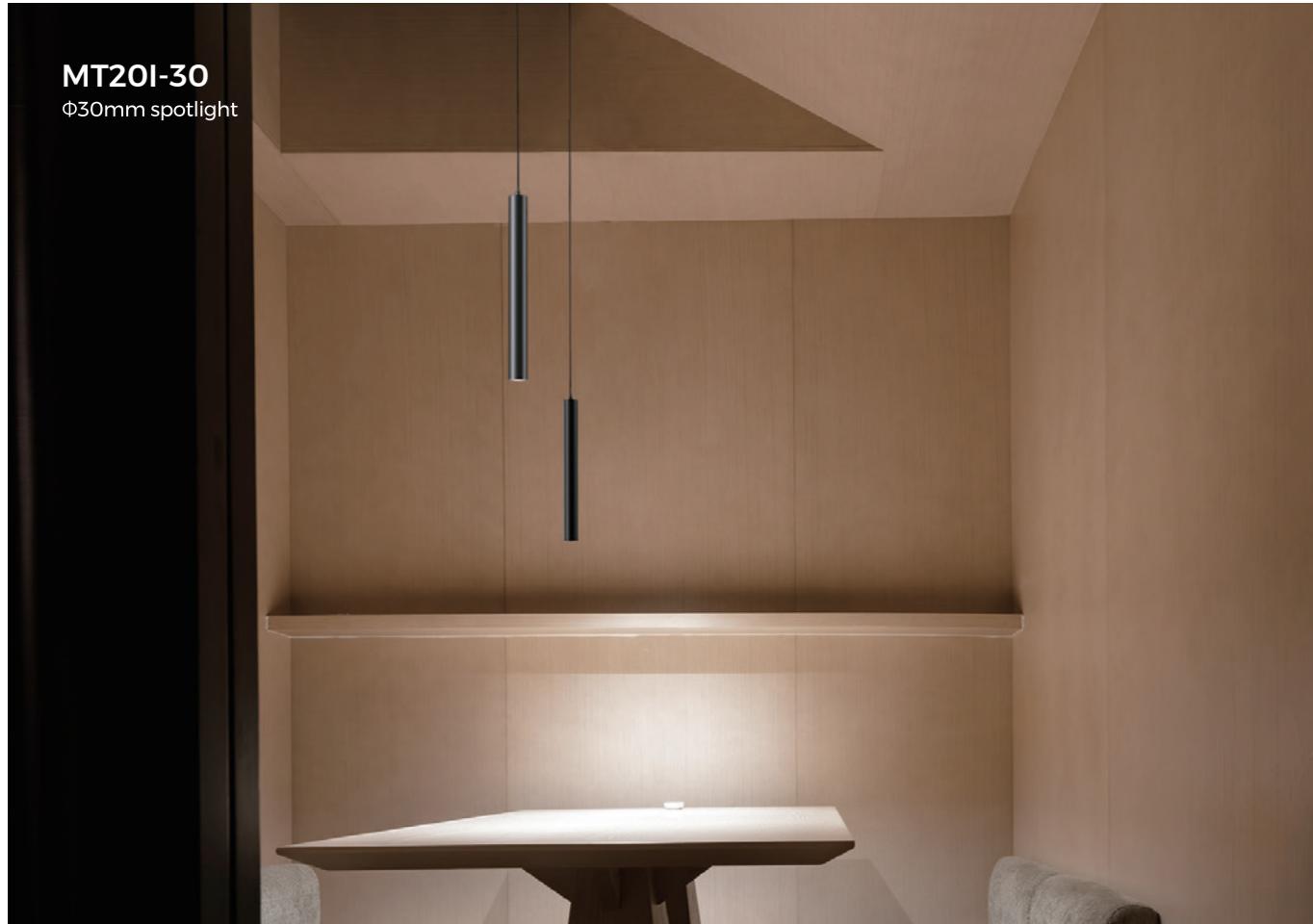
**MT20I-30**  
Φ30mm spotlight



**MT20I-50**  
Φ50mm spotlight



**MT20I-30**  
Φ30mm spotlight



**MT20I-50**  
Φ50mm spotlight

Easy installation



**MT20IJ**  
Φ30mm Round tube light





# Intelligent control

Intelligent control

## CASAMBI Dimming

CASAMBI



Brightness Adjustment



Group & Scene Control



Brightness Gradient



Power-Off Memory



Remote Control



## Bluetooth Dimming



Brightness Adjustment



Remote Control



Group & Scene Control



Timing & Delay Time



Brightness Gradient



Power-Off Memory

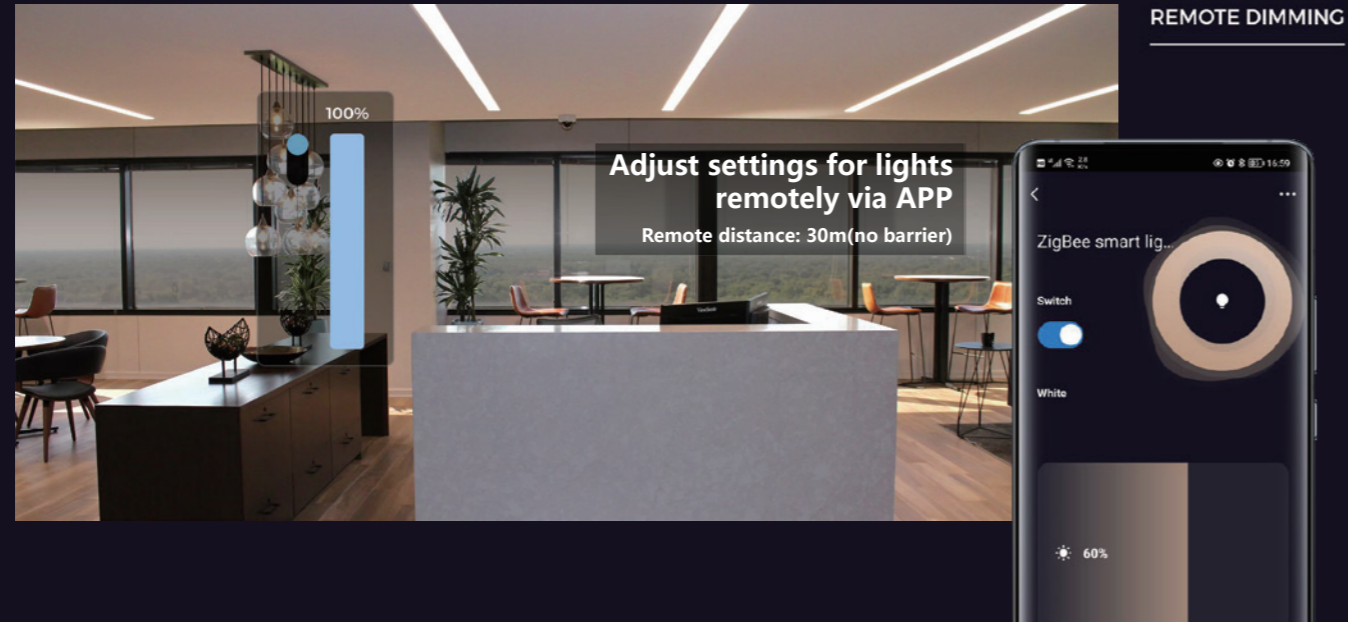


Do-Not-Disturb



## LIGHT UP MOBILE SMART LIFE

REMOTE DIMMING



Adjust settings for lights remotely via APP  
Remote distance: 30m(no barrier)

100%

ZigBee smart lig...

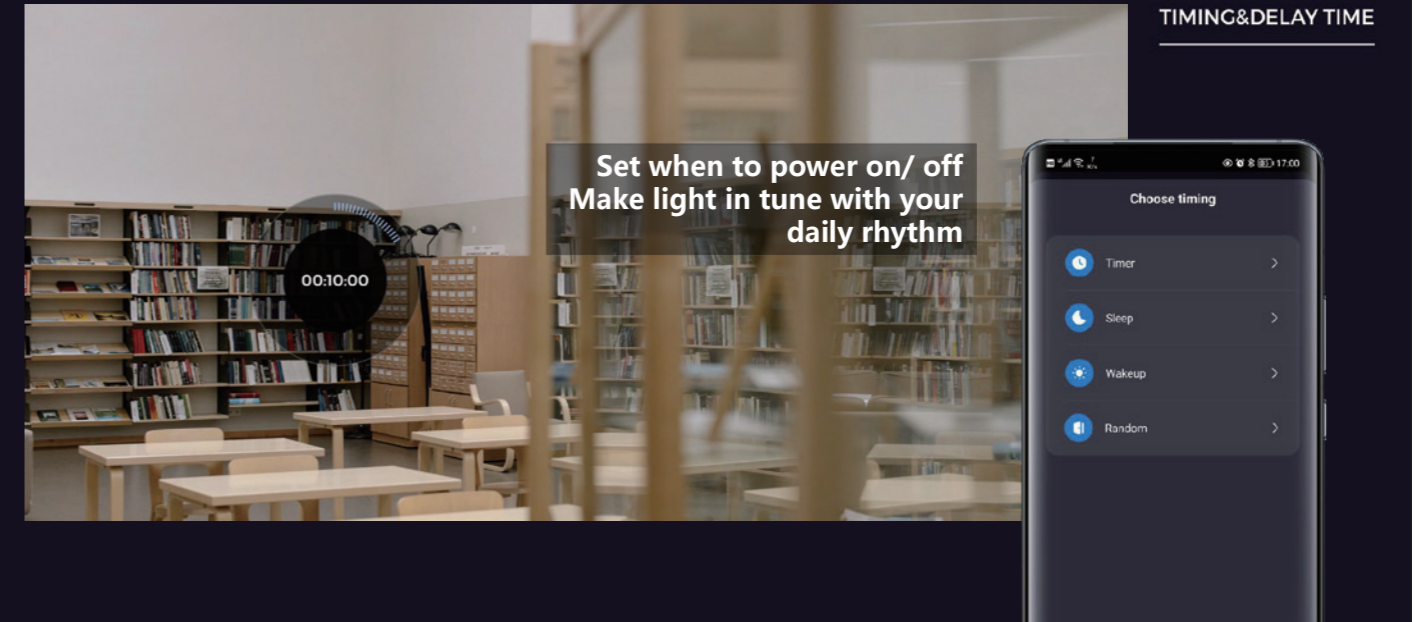
Switch

White

60%

## LIGHT UP MOBILE SMART LIFE

TIMING&DELAY TIME



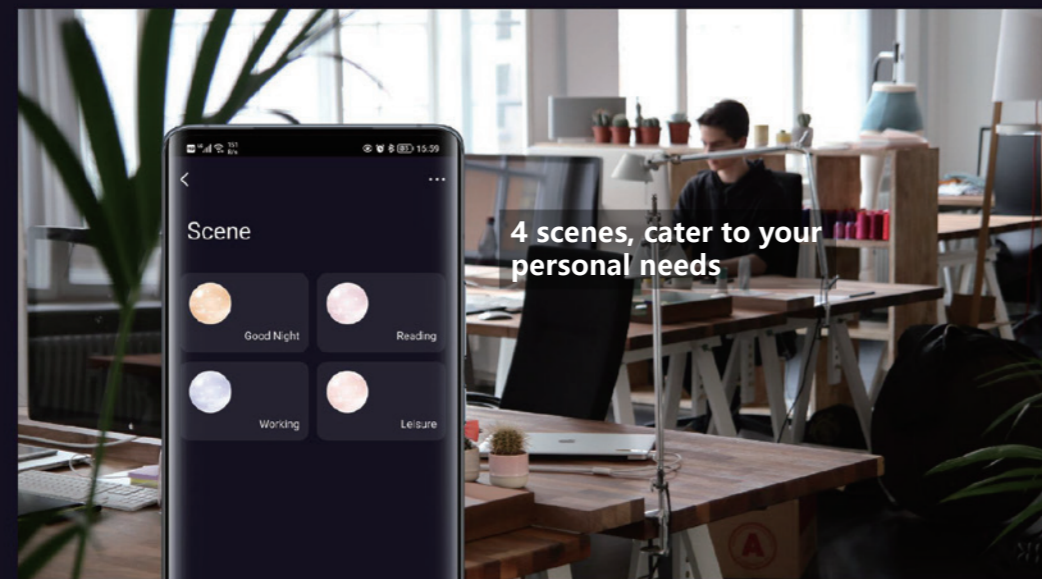
Set when to power on/ off  
Make light in tune with your daily rhythm

00:10:00

Choose timing

- Timer
- Sleep
- Wakeup
- Random

## LIGHT SCENE

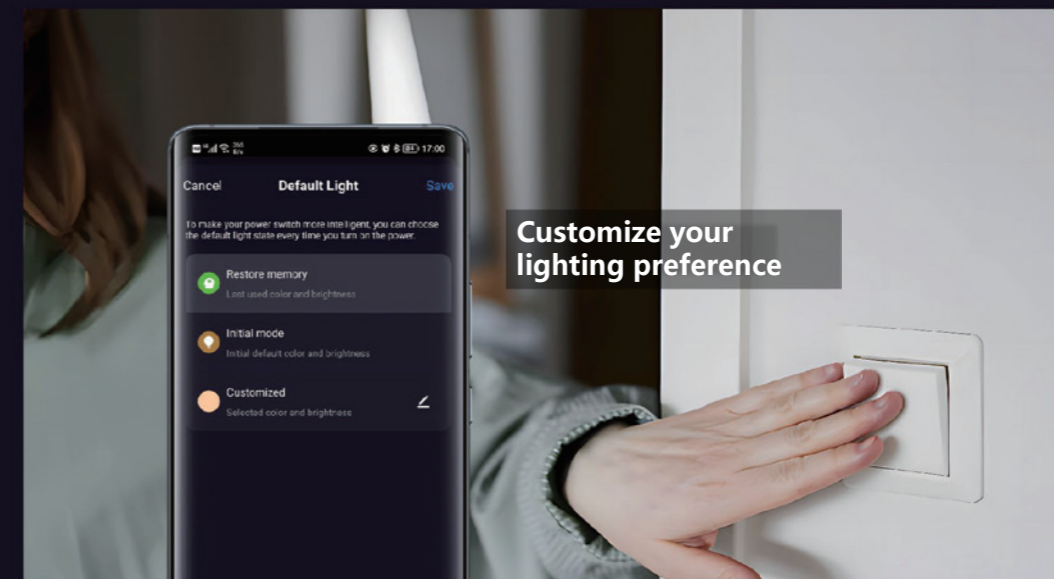


4 scenes, cater to your personal needs

Scene

- Good Night
- Reading
- Working
- Leisure

## DEFAULT LIGHT



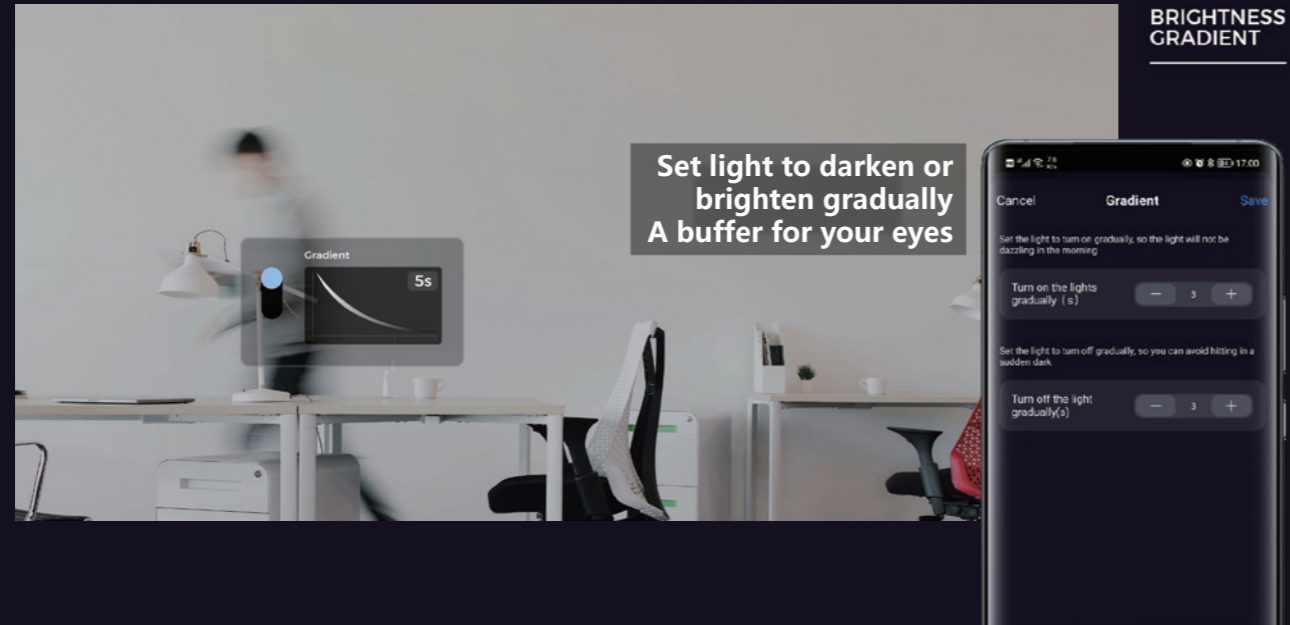
Customize your lighting preference

Cancel Default Light Save

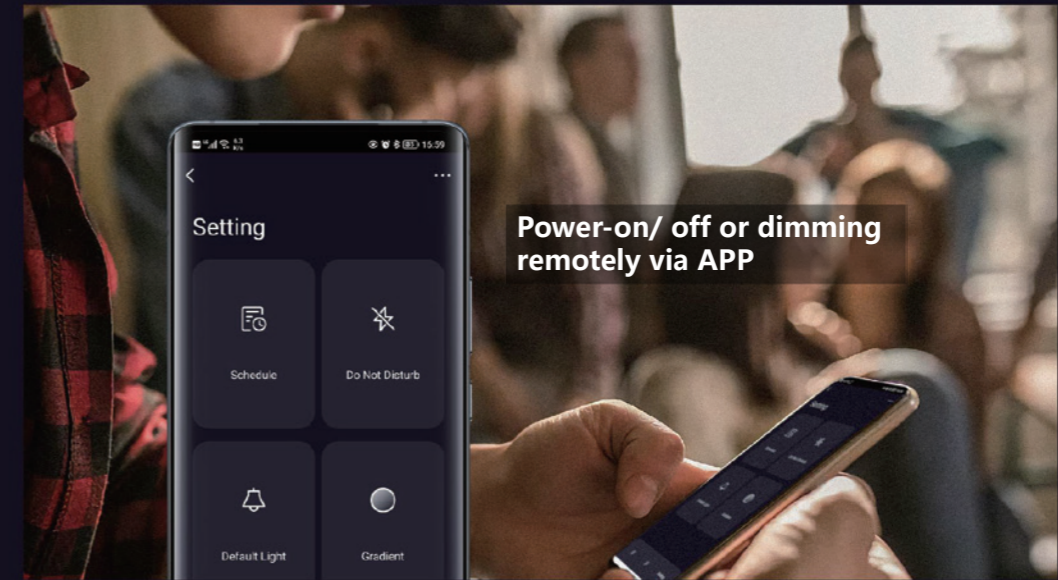
To make your power switch more intelligent, you can choose the default light state every time you turn on the power.

- Restore memory  
Last used color and brightness
- Initial mode  
Initial default color and brightness
- Customized  
Selected color and brightness

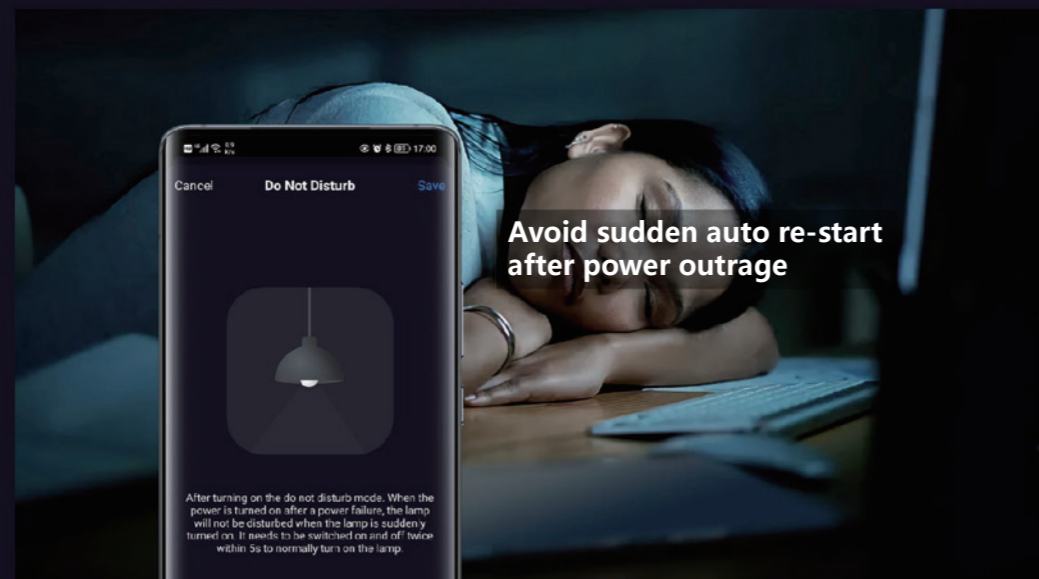
## LIGHT UP MOBILE SMART LIFE



## REMOTE CONTROL



## DO NOT DISTURB



# Case



