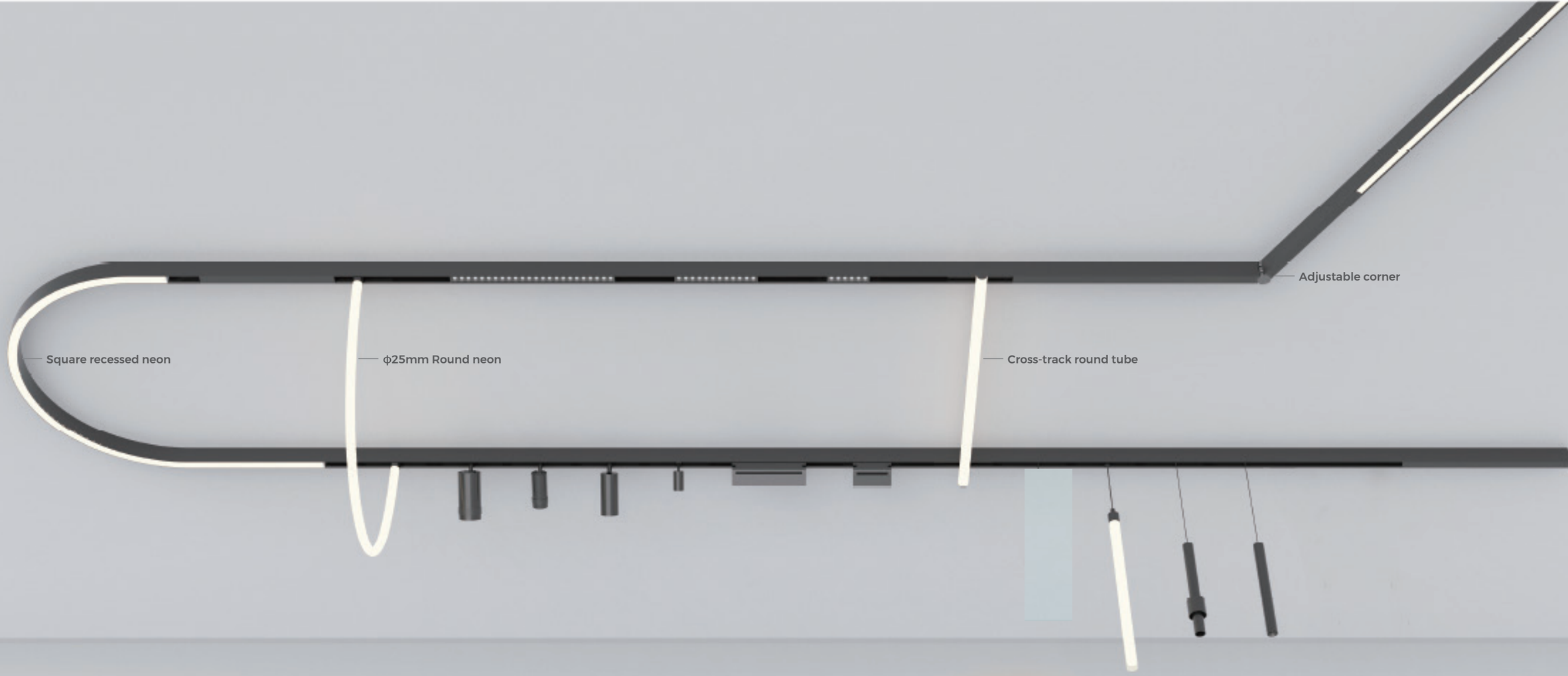
TLS-MT20

48V magnetic track system



TLS-MT20 Series

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

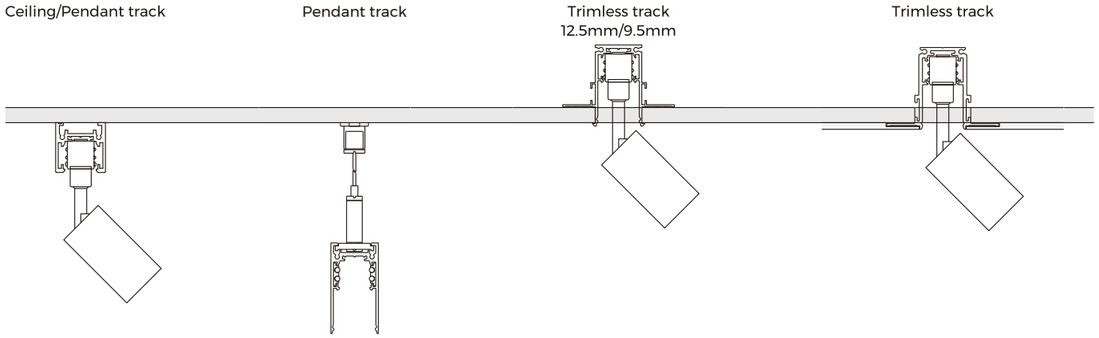
Straight track

Ceiling/Pendant track

Pendant track

Trimless track
12.5mm/9.5mm

Trimless track



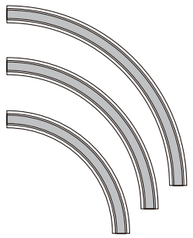
Curve track

Trimless track (12.5mm/9.5mm)

Φ1200mm 90°

Φ1000mm 90°

Φ800mm 90°

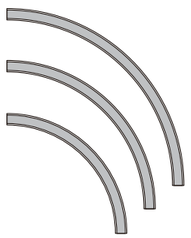


Pendant track

Φ1200mm 90°

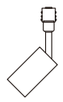
Φ1000mm 90°

Φ800mm 90°

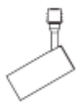


Spotlight Module

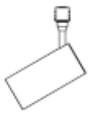
Φ30mm spotlight



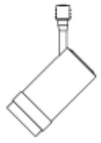
Φ42mm spotlight



Φ52mm spotlight



Φ65mm zoom spotlight



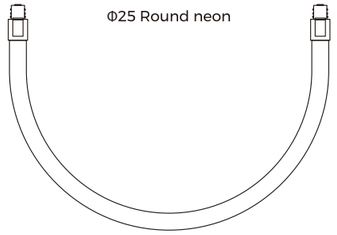
Decorative Module

Φ30mm spotlight

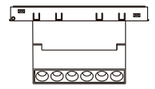
Φ50mm spotlight

Linear Module

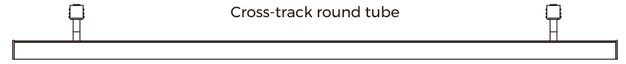
Φ25 Round neon



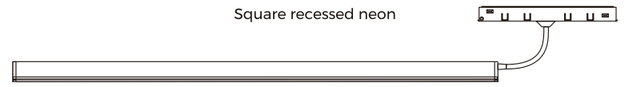
Angle-adjustable grating



Cross-track round tube



Square recessed neon



Linear light (Diffuser/ Prismatic/ Asymmetric/ Double asymmetric/ Grating)

Optics

Diffuser(100°)

Prismatic(70°)

Grating(30°)

Grating(40°)

Grating(55°)

Asymmetric
(95x50x15°)

Double
Asymmetric
(100x90x15°)

Spotlights
(15°)

Spotlights
(24°)

Spotlights
(36°)

Spotlights
(50°)

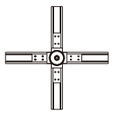
Corner

L-shaped
(Downward/Inward)

L-shaped Adjustable
(Downward)

T-shaped Adjustable
(Downward)

X-shaped Adjustable
(Downward)



CCT

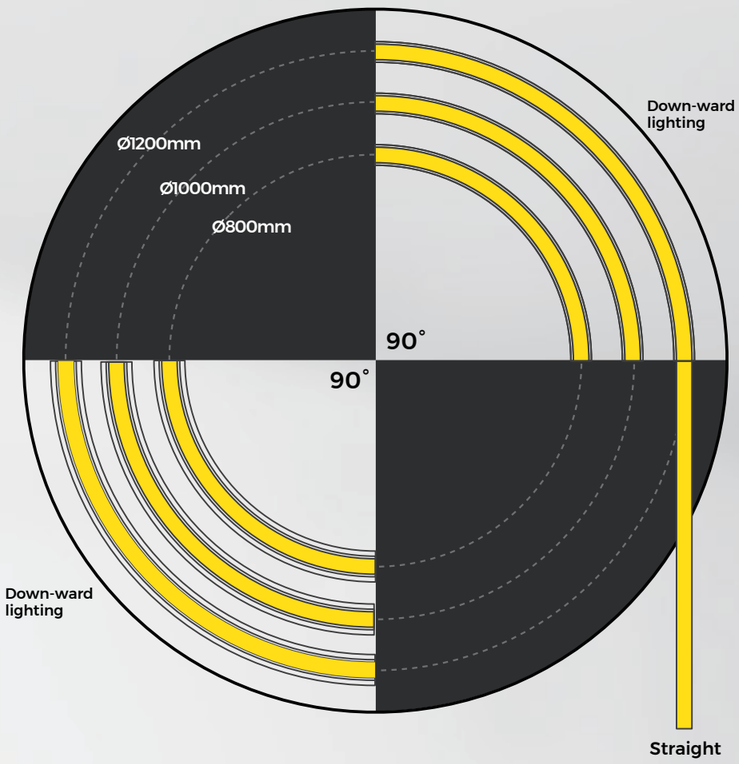
2700K 3000K 3500K 4000K

Curved track

Combine with straight track for more possibilities

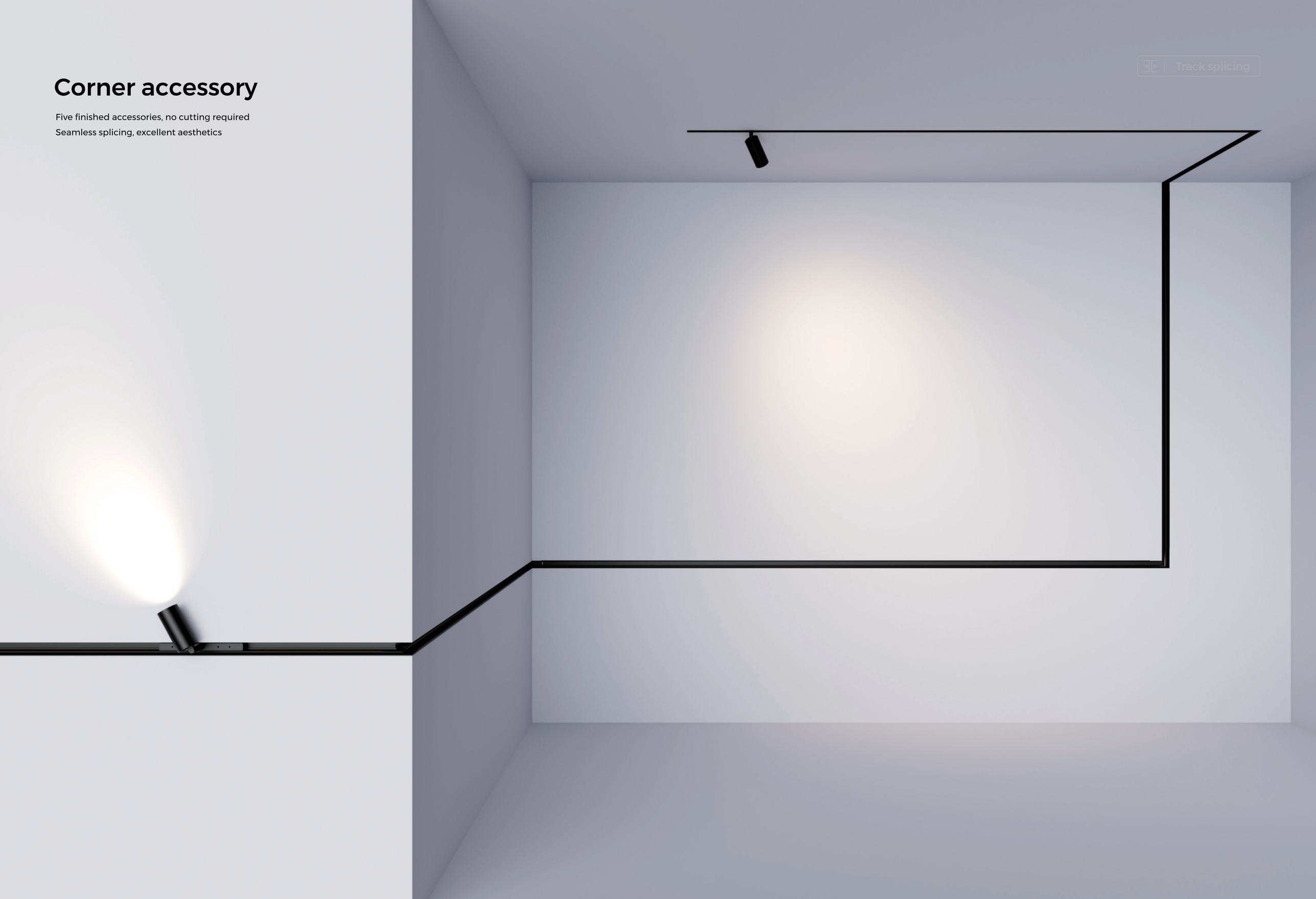
Trimless track
(12.5mm/9.5mm)

Pendant track



Corner accessory

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



Easy installation

DIY combination of modules

Easy installation, pre-embed track and attach modules in seconds magnetically.

Modular system, satifies various lighting demands.

Movable and angle adjustable, add flexibility to light designs.

Low-voltage, safe to touch and use.

3CCT Dial-switch

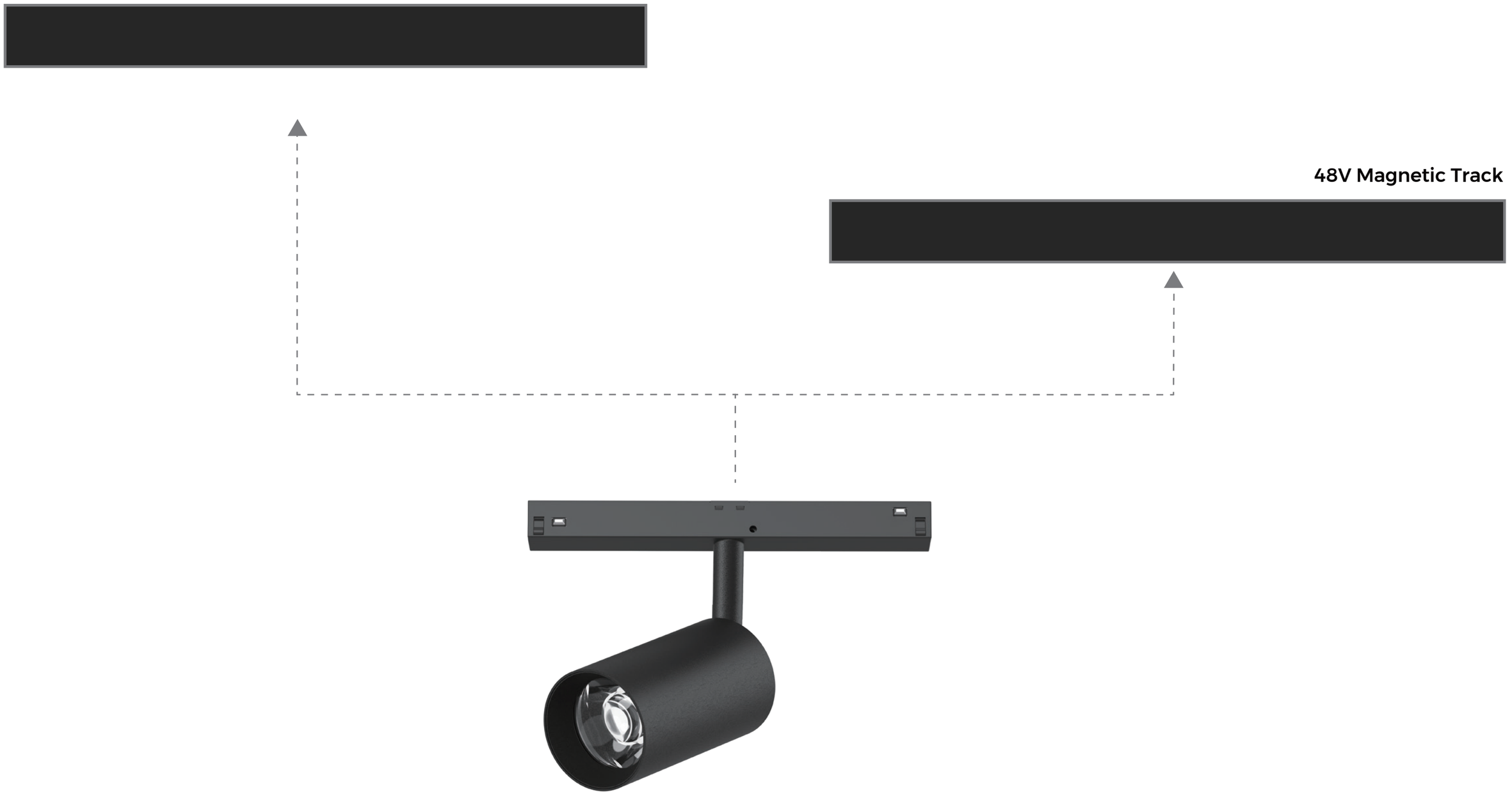
3000 K | 3800 K | 5000 K

All-metal housing
Minimalist appearance

Adaptive Voltage24-48V

24V Magnetic Track

48V Magnetic Track

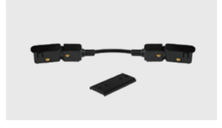


Track accessories

Electrical connection accessory

Power feeder of track
Model: TLS-M261
Size: L147×W19×H17.3mm
Applicable model: All staight 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 staight track corner

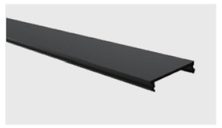
End cap

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

Intallation accessory



Track bind cover
Model: CV-M20FB
Material: PVC
Size: L1000×W25.7×H5.6mm
Applicable model: All staight 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)

Power supply

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

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

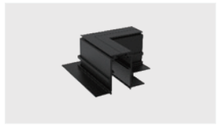
Corner accessory

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)



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

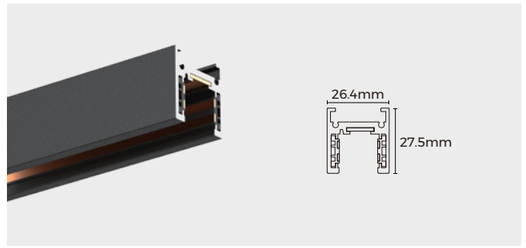
X-shaped Adjustable (Downward)
Model: X90-MH20(A)
Material: AL6063-T5
Size: L120×W120×H52mm
Applicable model: TLS-MH2X0

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

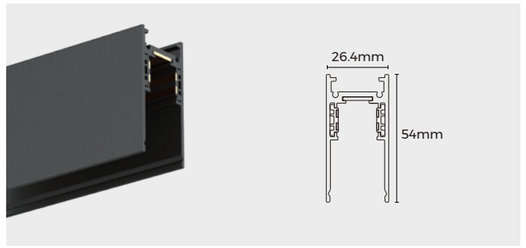


TLS-ECO-MS2X0 (X: 1 / 2 / 3 M)

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



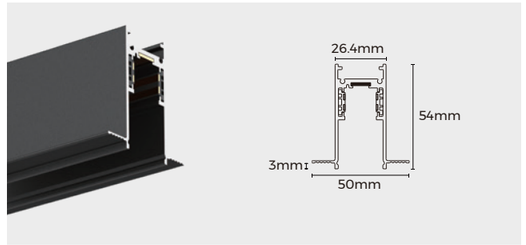
TLS-ECO-MH2X0 (X: 1 / 2 / 3 M)

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

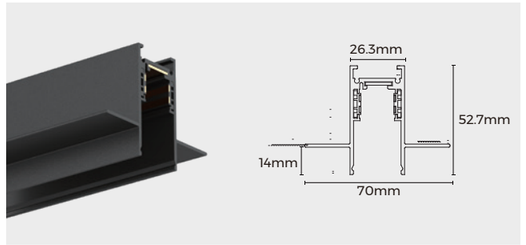


TLS-ECO-MR2X0 (X: 1 / 2 / 3 M)
3mm gypsum board

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

MT20S-30
Φ30mm spotlight

MT20S-42
Φ42mm spotlight

MT20S-52
Φ52mm spotlight

MT20SZ-65
Φ65mm zoom spotlight

Easy installation

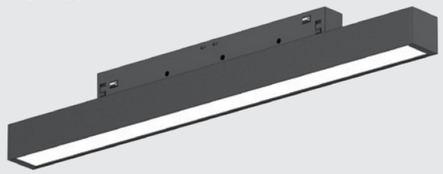
Optics

Linear module

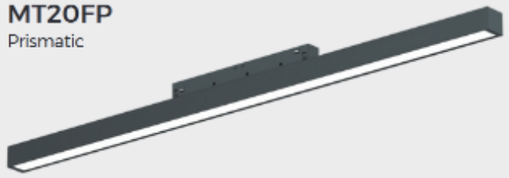
Easy installation

MT20GW
Wall washer

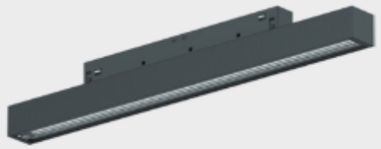
MT20FD
Diffuser



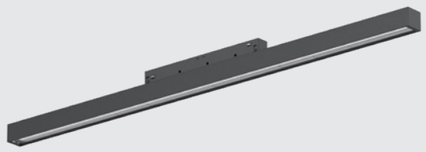
MT20FP
Prismatic



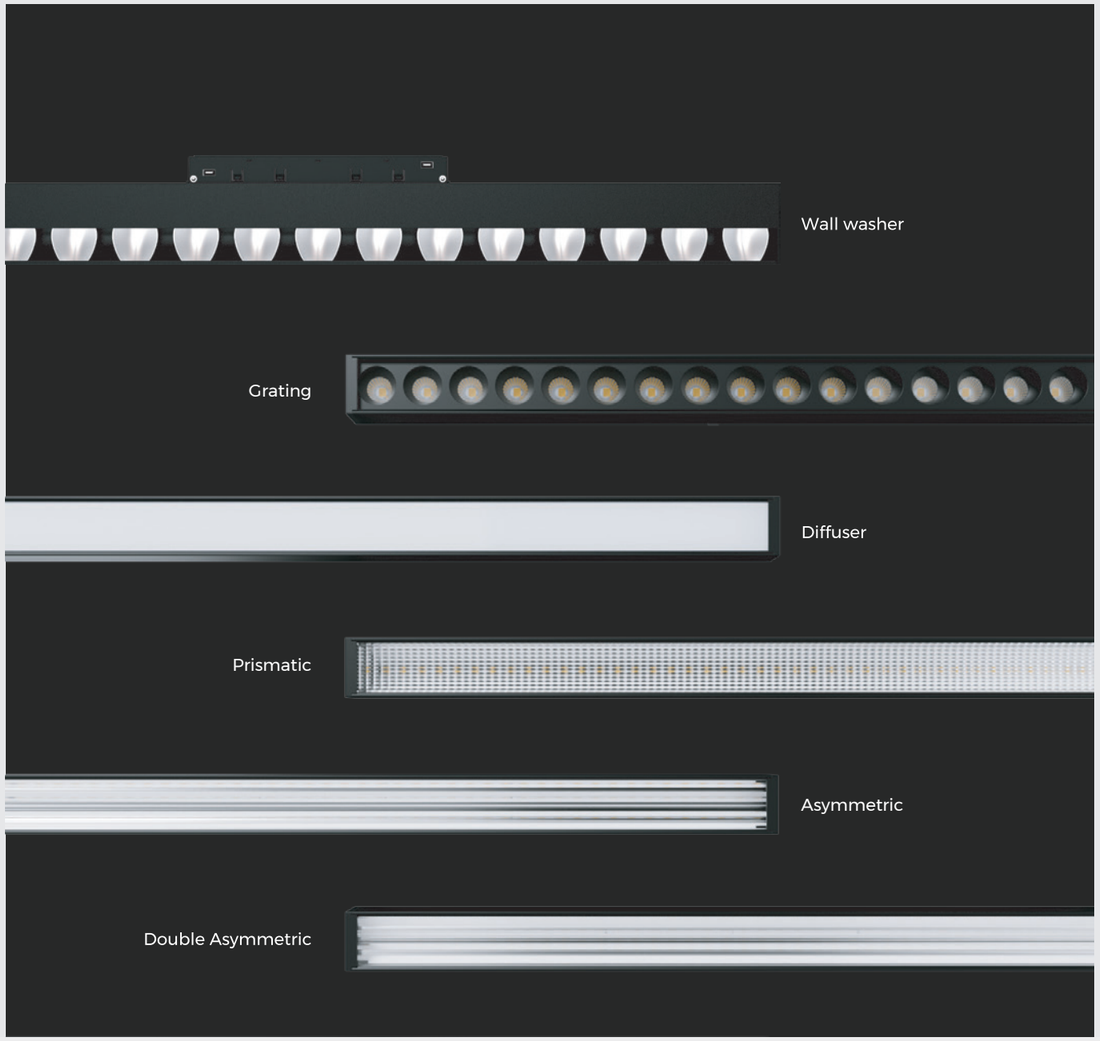
MT20LS
Double Asymmetric



MT20LA
Asymmetric



Mask



Easy installation

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

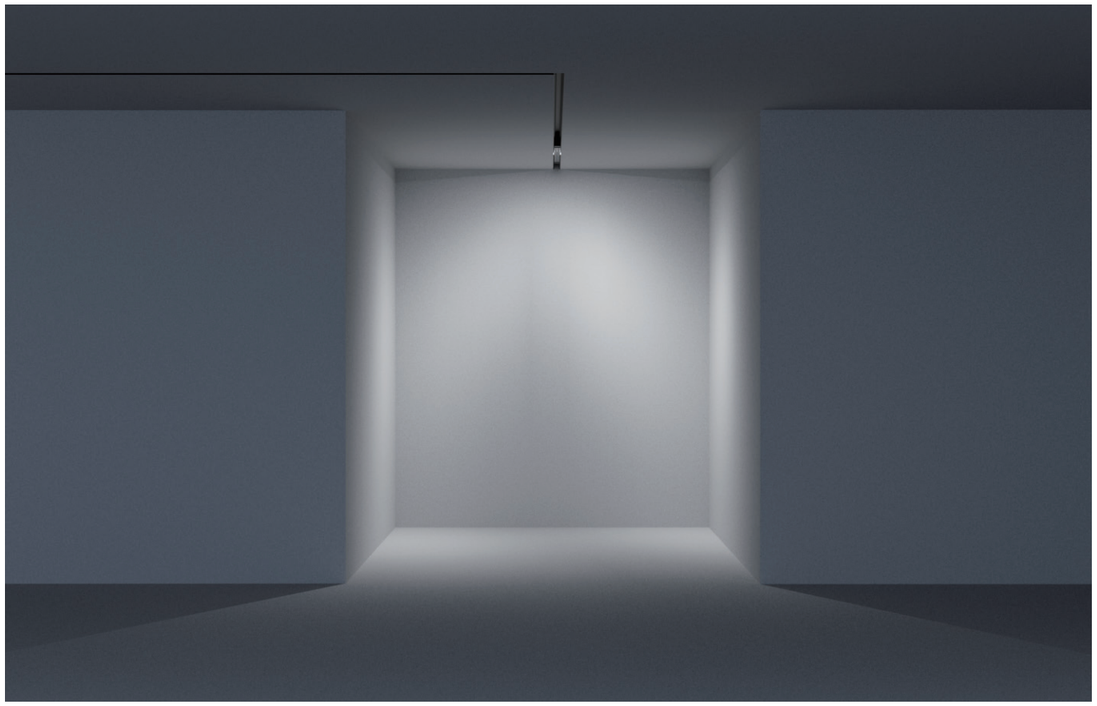
Grating

Diffuser

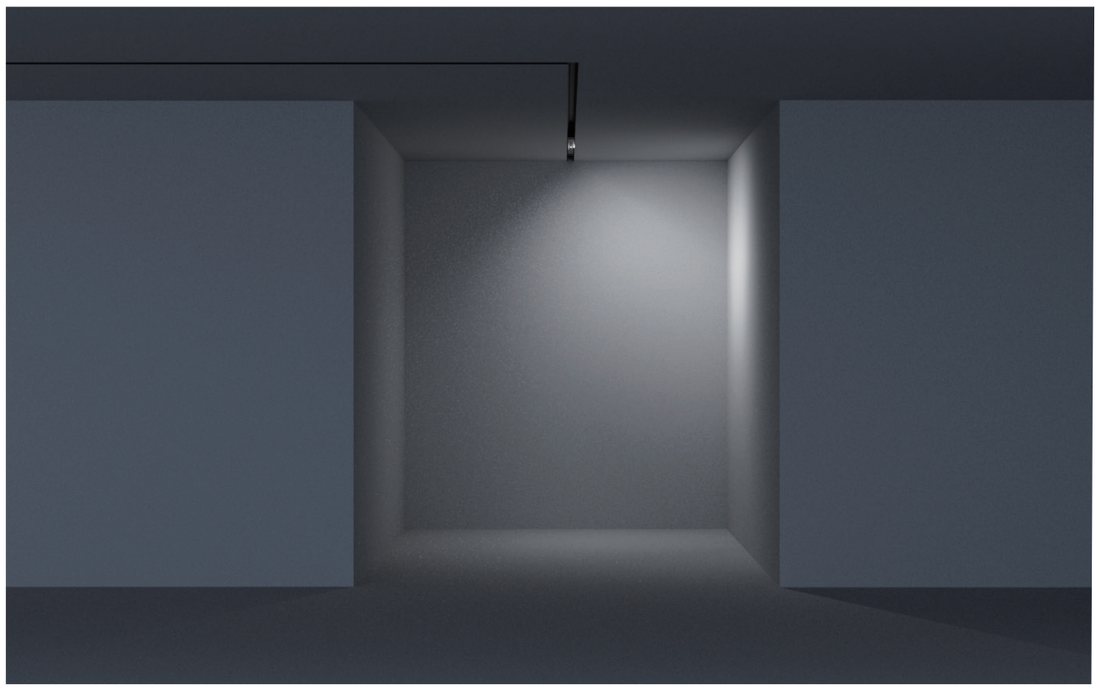
Easy installation

Prismatic

Double Asymmetric



Asymmetric



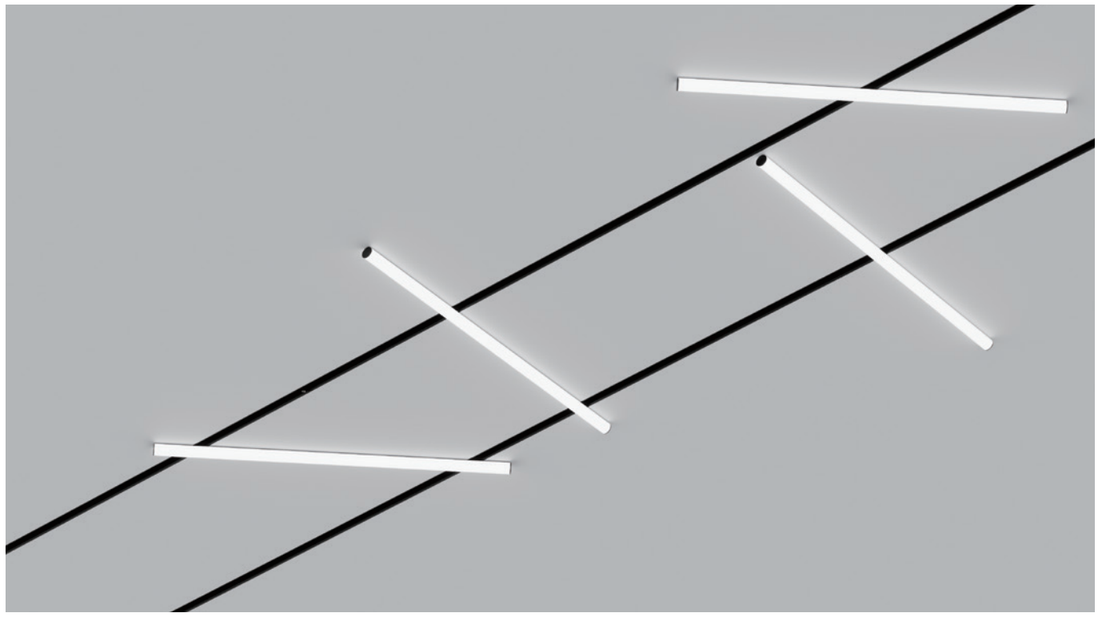
Block Frosted

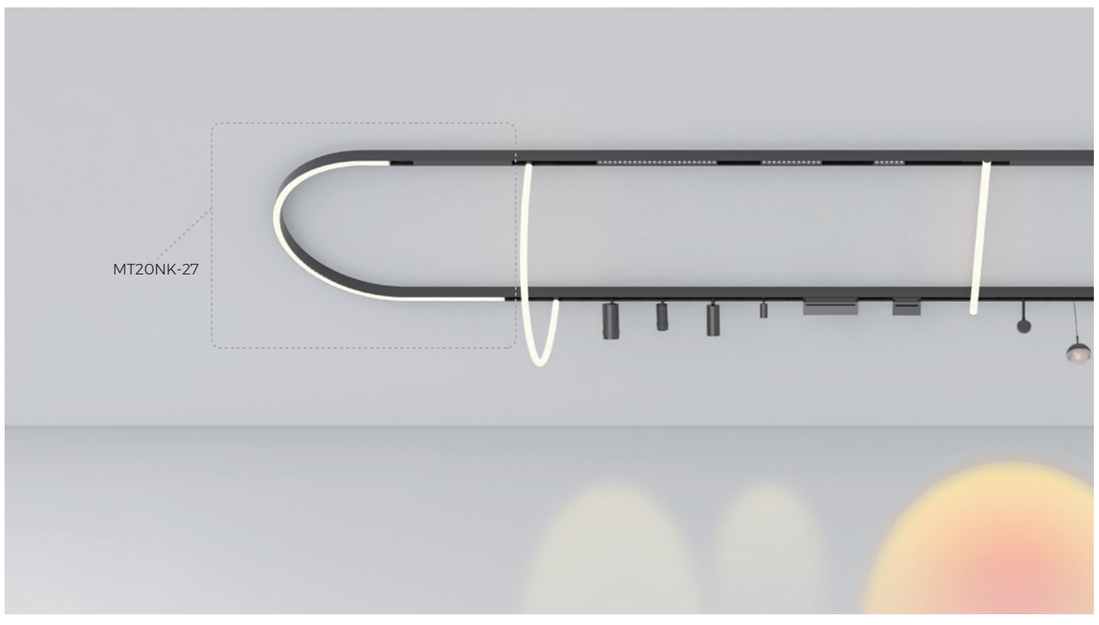
Easy installation

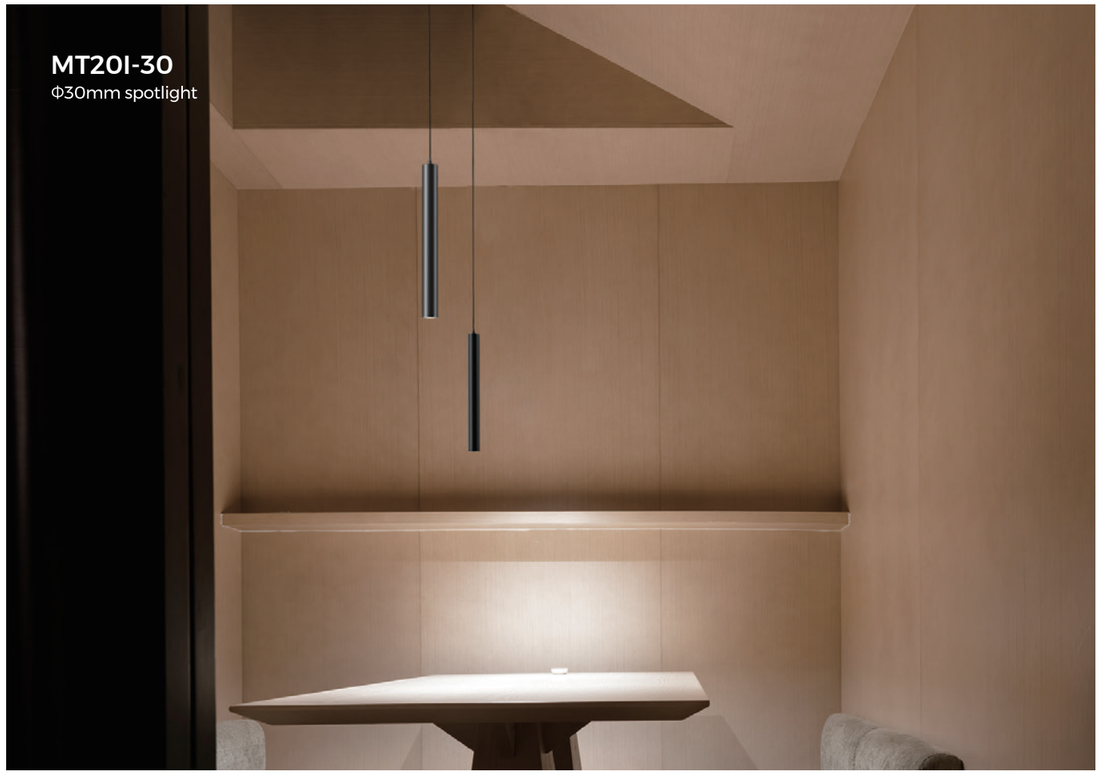
MT20NK-25
Round neon

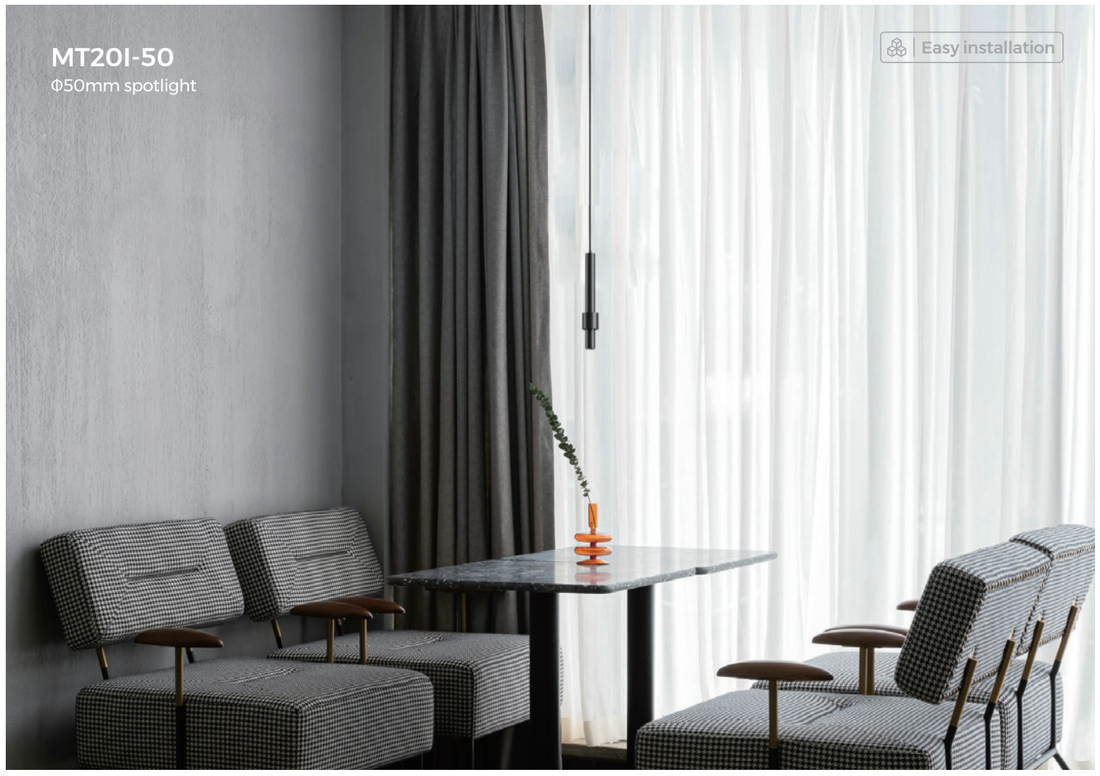
MT20CD
Round tube

MT20CD(A)
Corss-track round tube






MT20I-30
Φ30mm spotlight


MT20I-50
Φ50mm spotlight
Easy installation

MT20IJ
Φ30mm Round tube light

Case