

Track System Specification

MT20IB-110

— MagTrack 20 series



◎ Basic Parameters

- Material: AL6063-T5,spraying surface
- Coating: Black (RAL9005)/White (RAL9003)
- Size: $\phi 110\text{mm}$
- IP grade: IP20
- CCT: 2700K,3000K,4000K optional
- CRI: 90
- SDCM: <3 Step (ANSI)
- Beam angle: 360°
- Light efficiency: 85 LM/W
- Input voltage: DC24V-48V
- Lighting direction: Downward
- Dimming method: Non-dimming,DALI-2,Tuya Bluetooth,CASAMBI
- Application: Indoor
- Certification: CE,UKCA,ROHS,Reach
- Warranty: 5 years



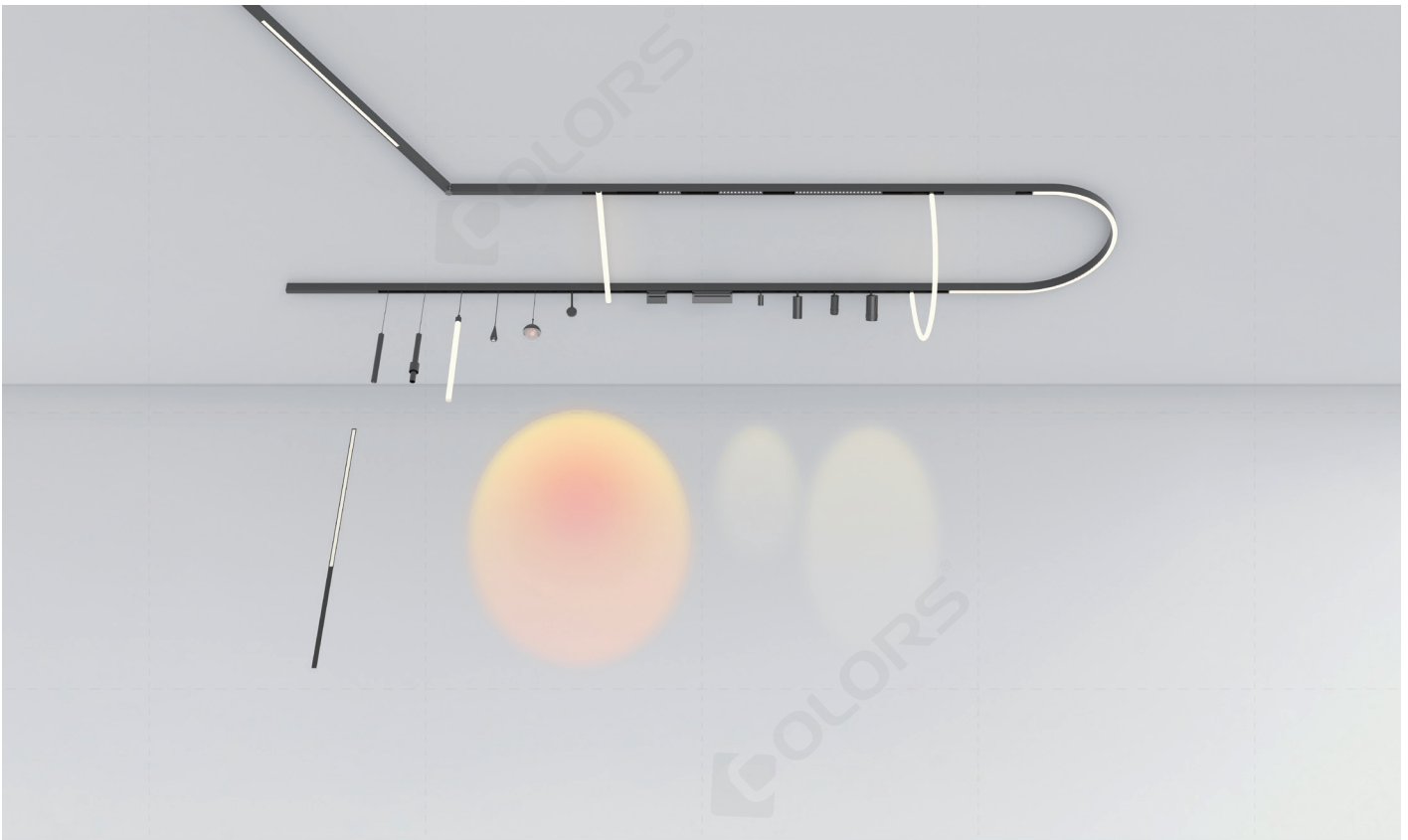
◎ Luminaire Parameters

| Version | Model | Size | Input Voltage (V) | Max. Current (A) | Type Power (W) | Max. Power (W) | CRI | Beam Angle | CCT | Lumen (LM) |
|---------|------------|---------------------|-------------------|------------------|----------------|----------------|-----|-------------|-------|------------|
| Normal | MT20IB-110 | $\phi 110\text{mm}$ | 24-48VDC | 0.21-0.10 | 5.0 | 5.0 | >90 | 360° | 2700K | 390 |
| | | | | | | | | | 3000K | 400 |
| | | | | | | | | | 4000K | 425 |

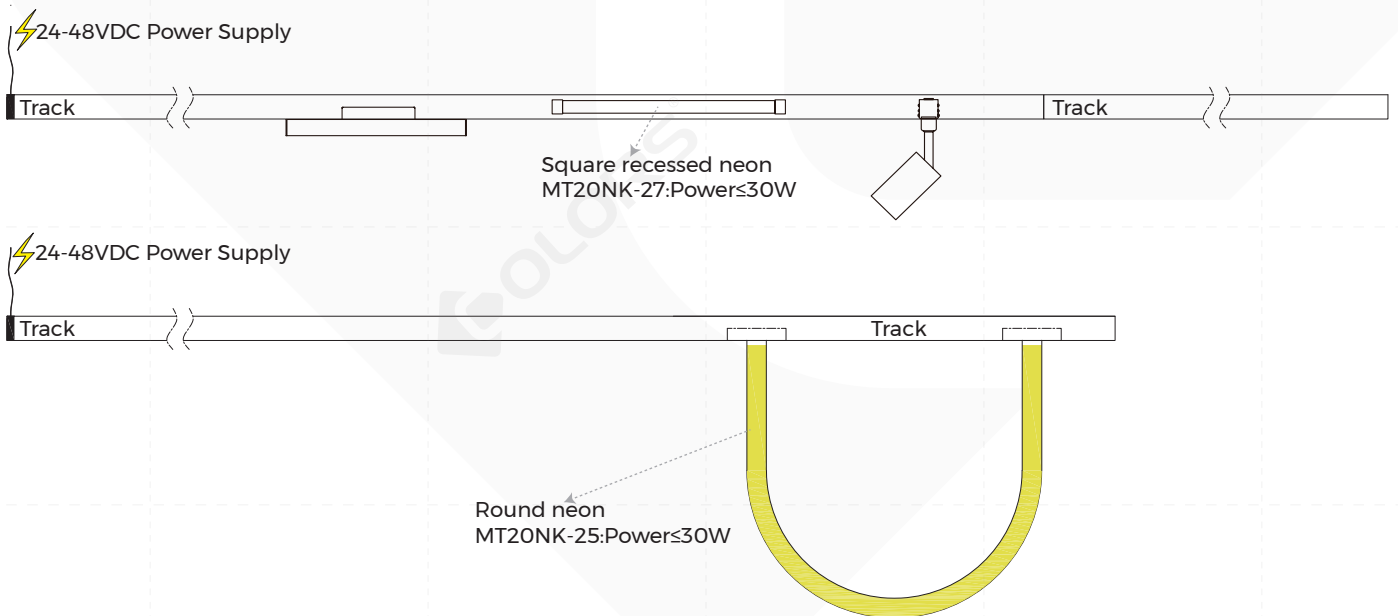
Note:

1. The output data is based on the testing result of Ra90,4000K luminaires;
2. The tolerance of output data can be vary up to 10%;
3. The output data is typical value.

© MagTrack 20 Application



© Points to note



Supplementary power supplies are needed beside the Spotlights module / Decorative module / Linear modular under below one conditions:





1. Power of Square recessed neon MT20NK-27 > 30W
2. Power of Round neon MT20NK-25 > 30W
3. If a DC24V-48V power supply is used to power the track, then only luminaire modules with an input voltage of DC24V-48V can be selected.
4. If a DC48V power supply is used to power the track, then a luminaire module with an input voltage of DC24V-48V or DC48V can be selected.

©MagTrack 20 Product Accessories Information

| Picture | Name | Model |
|---|---|-----------------|
|  | Trimless recessed track (9.5mm gypsum board) | TLS-MR2X0(A) |
|  | Trimless recessed track (12.5mm gypsum board) | TLS-MR2X0(B) |
|  | Trimless recessed track (Ordinary batching) | TLS-MR2X0(C) |
|  | Pendant / Ceiling track | TLS-MS2X0 |
|  | Pendant / Ceiling track | TLS-MH2X0 |
|  | φ800mm 90° Trimless recessed curve track (9.5mm gypsum board) | TLS-MR208A90(A) |
| | φ1000mm 90° Trimless recessed curve track (9.5mm gypsum board) | TLS-MR210A90(A) |
| | φ1200mm 90° Trimless recessed curve track (9.5mm gypsum board) | TLS-MR212A90(A) |
|  | φ800mm 90° Trimless recessed curve track (12.5mm gypsum board) | TLS-MR208A90(B) |
| | φ1000mm 90° Trimless recessed curve track (12.5mm gypsum board) | TLS-MR210A90(B) |
| | φ1200mm 90° Trimless recessed curve track (12.5mm gypsum board) | TLS-MR212A90(B) |
|  | φ800mm 90° Ceiling/pendant curve track | TLS-MH208A90 |
| | φ1000mm 90° Ceiling/pendant curve track | TLS-MH210A90 |
| | φ1200mm 90° Ceiling/pendant curve track | TLS-MH212A90 |

| Picture | Name | Model |
|---|--|----------|
|  | Power feeder of track | TLS-M261 |
|  | Electrical connector | TLS-M264 |
|  | I-shaped electrical connector (Recessed type) | TLS-M265 |
|  | I-shaped electrical connector (Surface) | TLS-M266 |
|  | End caps | EC-MR20 |
|  | End caps | EC-MS20 |
|  | End caps | EC-MH20 |
|  | Track blind cover | CV-M20FB |
|  | Ceiling accessory | TLS-M271 |
|  | Pendant rope set | TLS-M272 |
|  | Ceiling screw | CL-01 |

| Picture | Name | Model |
|---|---------------------------------------|--------------|
|  | L-shaped corner (Downward) | L90-MR20(A) |
|  | L-shaped corner (Inward) | L90N-MR20(A) |
|  | L-shaped corner (Downward) | L90-MR20(B) |
|  | L-shaped corner (Inward) | L90N-MR20(B) |
|  | L-shaped corner (Downward) | L90-MR20(C) |
|  | L-shaped corner (Inward) | L90N-MR20(C) |
|  | L-shaped corner (Downward) | L90-MS20 |
|  | L-shaped corner (Inward) | L90N-MS20 |
|  | L-shaped corner (Downward) | L90-MH20 |
|  | L-shaped corner (Inward) | L90N-MH20 |
|  | L-shaped Adjustable corner (Downward) | L90-MH20(A) |
|  | T-shaped Adjustable corner (Downward) | T90-MH20(A) |
|  | X-shaped Adjustable corner (Downward) | X90-MH20(A) |

| Picture | Name | Model |
|---|-----------------------------------|---------------------------|
|  | CASAMBI controller | 1200EN1812-CAS-XX-BLDAV48 |
|  | Magnetic power supply (48V/100W) | MT20-HDRV100H48S-M |
|  | Magnetic power supply (48V/200W) | MT20-HDRV200H48S-M |
|  | 48V Constant Voltage Power supply | BN-V48-XXXP |

Note:

- 1, Please refer to the accessory list table for detailed parameters.
- 2, Different tracks need to be used with corresponding accessories

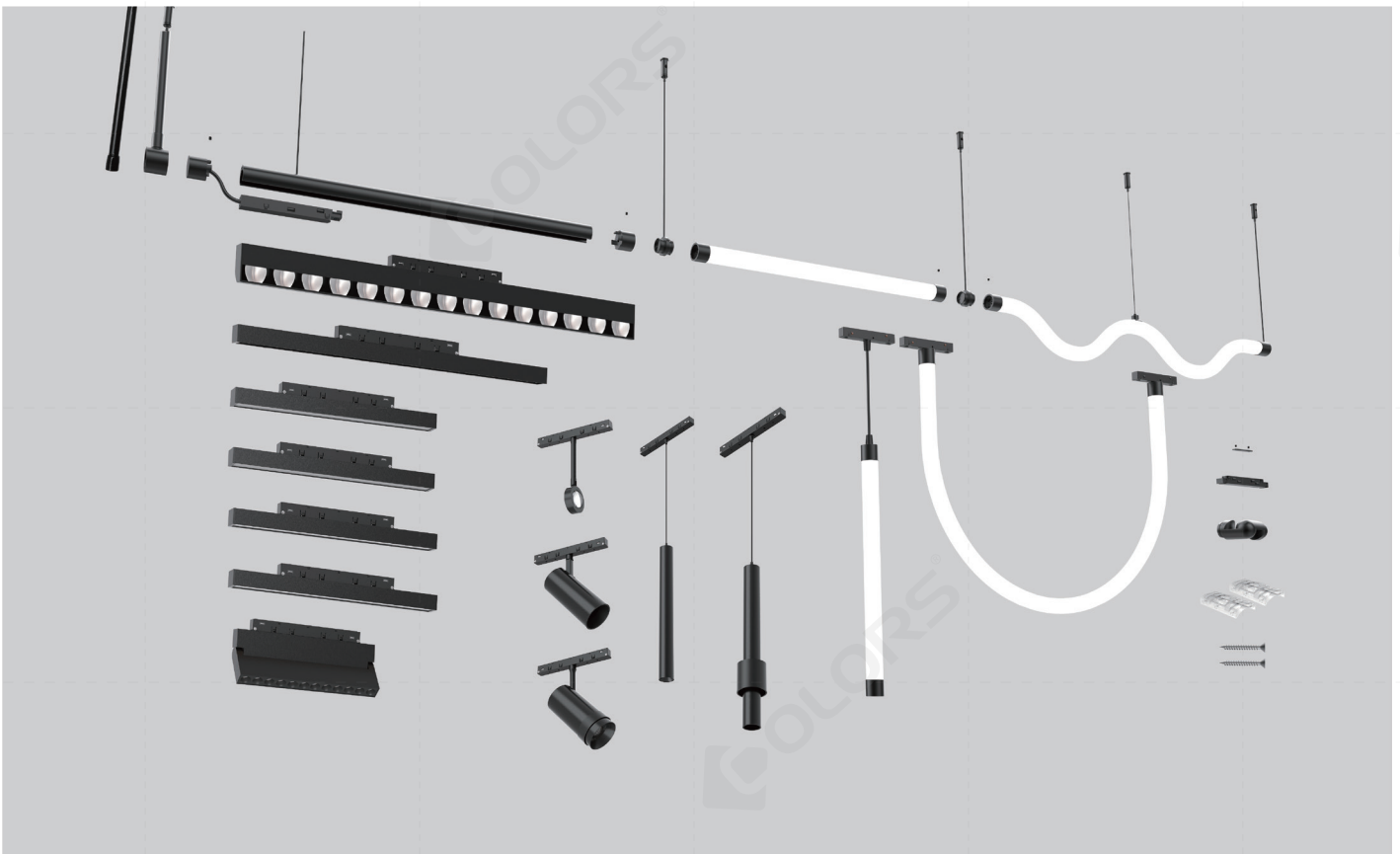
©MagTrack 20 Product Economical Accessories Information

| Picture | Name | Model |
|---|--|------------------|
|  | Trimless recessed track (Ordinary batching) | TLS-ECO-MR2X0 |
|  | Trimless recessed track (12.5mm gypsum board) | TLS-ECO-MR2X0(A) |
|  | Pendant / Ceiling track | TLS-ECO-MS2X0 |
|  | Pendant / Ceiling track | TLS-ECO-MH2X0 |
|  | End caps | EC-ECO-MS20 |
|  | End caps | EC-ECO-MH20 |
|  | L-shaped corner (Inward) | L90-ECO-MS20 |
|  | L-shaped corner (Inward) | L90-ECO-MH20 |
|  | Pendant rope set | TLS-ECO-M280 |
|  | I-shaped electrical connector (Surface) | TLS-ECO-M281 |

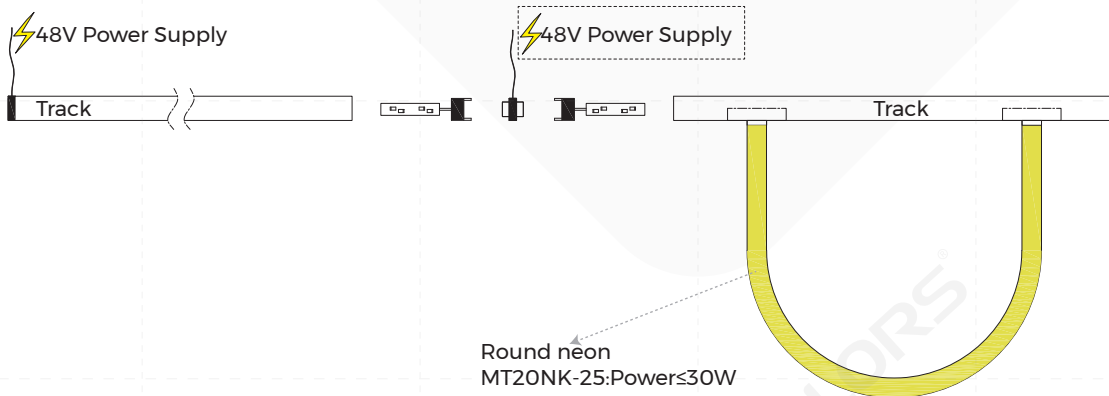
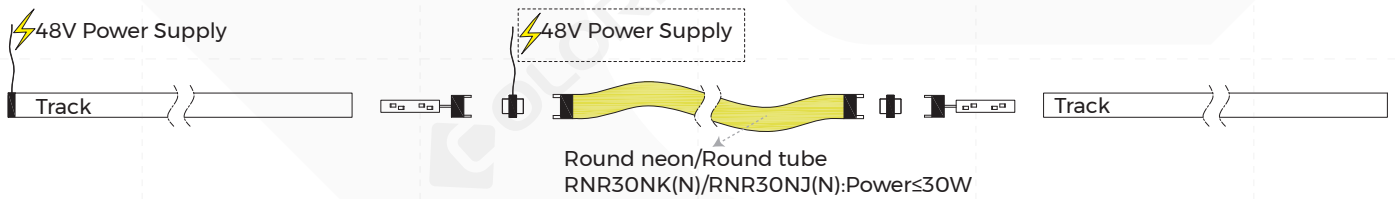
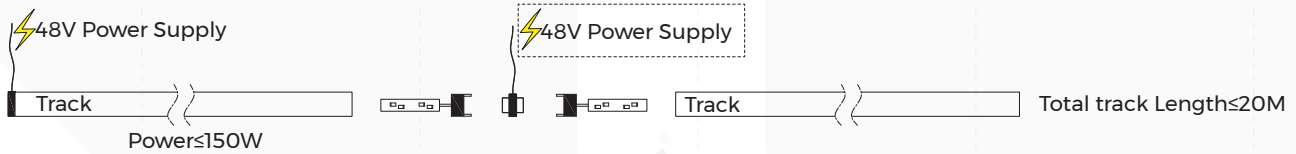
Note:

- 1,Please refer to the accessory list table for detailed parameters.
- 2,Different tracks need to be used with corresponding accessories

◎ NeonTrack Application



◎ Points to note








Supplementary power supplies are needed beside the Spotlights module / Decorative module / Linear modular under below one conditions:

1. Load $> 150W$ on the track or Total track length $> 20M$
2. Power of Round neon/Round tube $> 30W$

©NeonTrack Product Accessories Information

| Picture | Name | Model |
|---|-------------------------------|--------------|
|  | Round track | TLS-R6X0 |
|  | End cap | TLS-R600 |
|  | Turned connector | TLS-R860 |
|  | Straight connector | TLS-R861 |
|  | Power feeder of track | TLS-R862 (N) |
|  | I-shaped electrical connector | TLS-R863 (N) |
|  | Female end cap | TLS-R865 |
|  | Ceiling screw | CL-21 |
|  | Track pendant rod | PG-I |
|  | Track pendant cable | PN-D |

| Picture | Name | Model |
|--|---|-------------|
|  | Ceiling accessories | CL-18 |
|  | Pendant accessories | TLS-R892 |
|  | Neon lights Pendant rod (1-2 Meter Adjustable) | TLS-R893 |
|  | Neon lights Pendant rod (0.5-1 Meter Adjustable) | TLS-R895 |
|  | 48V Constant Voltage Power supply | BN-V48-XXXP |





Note:

- 1, Please refer to the accessory list table for detailed parameters.
- 2, Different tracks need to be used with corresponding accessories

◎Packing

| Model | Size (mm/box) | Quantity /box | Quantity /carton | NW (kg/box) | NW (kg/carton) | CW (kg) | Size (mm/carton) |
|----------------------------|------------------------------------|---------------|------------------|-------------|----------------|---------|---------------------------------------|
| TLS-MT20IB110-059040FF-NBW | 210*185*145 [8.27"*7.28"*5.71"] | 1 | 18 | 0.49 | 8.82 | 12 | 570*435*455 [22.44"*17.13"*17.91"] |

◎Model Code

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|--|---|---|--|---|---|
| TLS | - | M | T | 20 | IB | 110 | - | 05 | 90 | 40 | FF | - | N | B | W |
|  | |  |  |  |  |  | |  |  |  |  | |  |  |  |
| System TLS: Track Light System | | Series M: Magnetic Module | Installation T: Track | Track Size 20-20mm | Diffuser Type IB: Pendant Ball light | Size 110-ø110mm | | Type Power 05: 5W | CRI 90: Ra>90 | CCT 27: 2700K 30: 3000K 40: 4000K | Beam angle FF: 560° | | Dimming Method N: Non-Dimming A: DALI Dimming TB: Tuya-Bluetooth X: No Power | Color B: Black W: White | Diffuser Color W: White |

◎Attentions

- 1、 Non-professionals are prohibited from installing, disassembling and repairing the product.
- 2、 Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
- 3、 Please use professional cutting tools when cutting
- 4、 Do not use any acid or alkaline adhesive to fix products
- 5、 The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment.
- 6、 PC features: Each 10°C rise or drop will make diffuser extend or shrink 0.8mm/m, please confirm before processing and use