

## Track System Specification

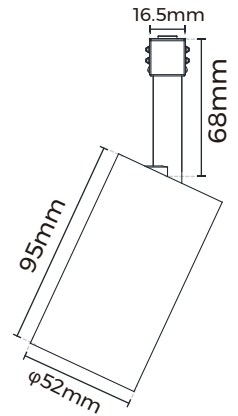
# MT20S-52

— MagTrack 20 series

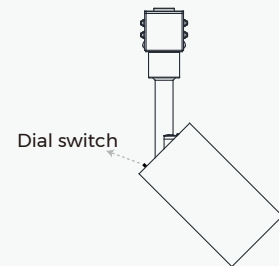
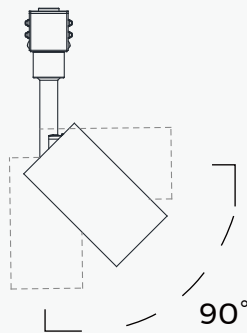
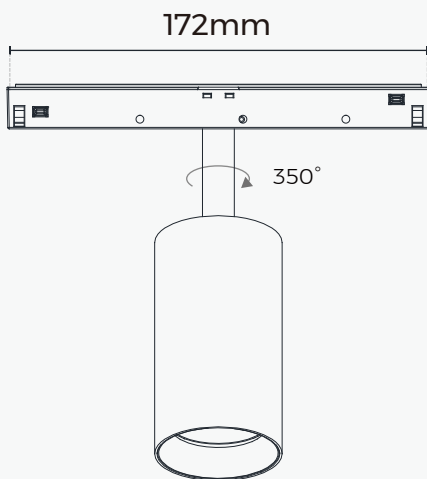


## ◎ Basic Parameters

- Material: AL1070, spraying surface
- Coating: Black (RAL9005)/White (RAL9003)
- Size:  $\phi 52 \times 95 \text{mm}$
- IP grade: IP20
- CCT: 2700K, 3000K, 4000K, 3000K-4000K-5000K optional
- CRI: 90
- SDCM: <3 Step (ANSI)
- Beam angle: 15°, 20°, 36°, 50° (Normal version)  
24°, 38°, 50° (3 CCT tunable (Dial switch))
- Light efficiency: 91 LM/W
- Input voltage: DC24V-48V, DC48V
- Lighting direction: Downward
- Dimming method: Non-dimming, DALI-2, Tuya Bluetooth, CASAMBI
- Application: Indoor
- Certification: CE, UKCA, ROHS, Reach
- Warranty: 5 years



## ◎ Product mechanical data



## ©Luminaire Parameters

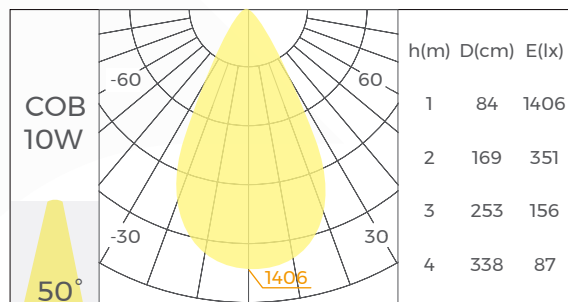
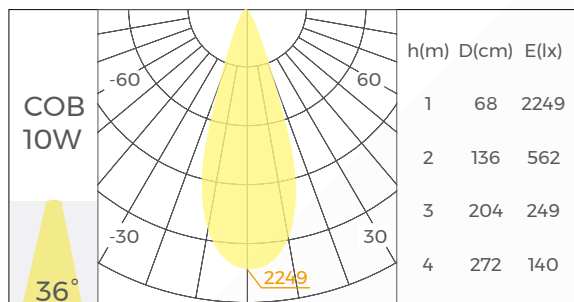
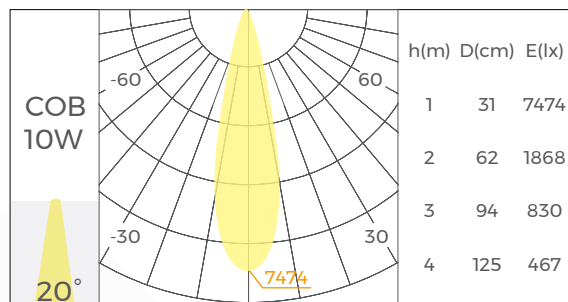
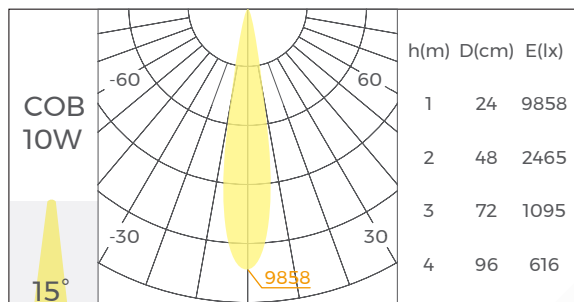
| Version                        | Model    | Size     | Input Voltage (V) | Max. Current (A) | Type Power (W) | Max. Power (W) | CRI | Beam Angle | CCT   | Lumen (LM) |
|--------------------------------|----------|----------|-------------------|------------------|----------------|----------------|-----|------------|-------|------------|
| Normal                         | MT20S-52 | φ52*95mm | 24-48VDC          | 0.42-0.21        | 10.0           | 10.5           | >90 | 15°        | 2700K | 755        |
|                                |          |          |                   |                  |                |                |     |            | 3000K | 795        |
|                                |          |          |                   |                  |                |                |     |            | 4000K | 855        |
| Normal                         | MT20S-52 | φ52*95mm | 24-48VDC          | 0.42-0.21        | 10.0           | 10.5           | >90 | 20°        | 2700K | 785        |
|                                |          |          |                   |                  |                |                |     |            | 3000K | 830        |
|                                |          |          |                   |                  |                |                |     |            | 4000K | 890        |
| Normal                         | MT20S-52 | φ52*95mm | 24-48VDC          | 0.42-0.21        | 10.0           | 10.5           | >90 | 36°        | 2700K | 805        |
|                                |          |          |                   |                  |                |                |     |            | 3000K | 850        |
|                                |          |          |                   |                  |                |                |     |            | 4000K | 915        |
| Normal                         | MT20S-52 | φ52*95mm | 24-48VDC          | 0.42-0.21        | 10.0           | 10.5           | >90 | 50°        | 2700K | 745        |
|                                |          |          |                   |                  |                |                |     |            | 3000K | 785        |
|                                |          |          |                   |                  |                |                |     |            | 4000K | 845        |
| 3 CCT tunable<br>(Dial switch) | MT20S-52 | φ52*95mm | 48VDC             | 0.21             | 10.0           | 10.5           | >90 | 24°        | 3000K | 760        |
|                                |          |          |                   |                  |                |                |     |            | 4000K | 860        |
|                                |          |          |                   |                  |                |                |     |            | 5000K | 880        |
| 3 CCT tunable<br>(Dial switch) | MT20S-52 | φ52*95mm | 48VDC             | 0.21             | 10.0           | 10.5           | >90 | 38°        | 3000K | 820        |
|                                |          |          |                   |                  |                |                |     |            | 4000K | 920        |
|                                |          |          |                   |                  |                |                |     |            | 5000K | 940        |
| 3 CCT tunable<br>(Dial switch) | MT20S-52 | φ52*95mm | 48VDC             | 0.21             | 10.0           | 10.5           | >90 | 50°        | 3000K | 780        |
|                                |          |          |                   |                  |                |                |     |            | 4000K | 870        |
|                                |          |          |                   |                  |                |                |     |            | 5000K | 880        |

Note:

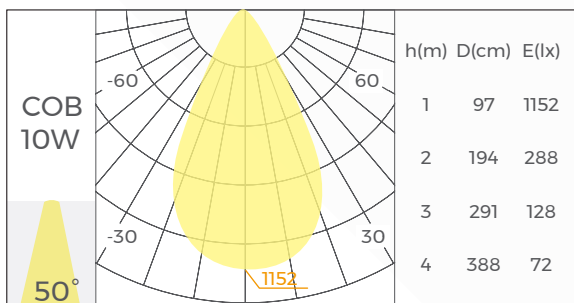
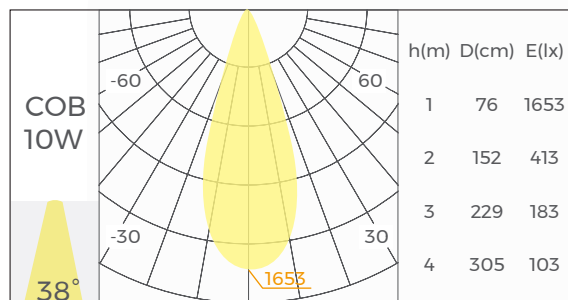
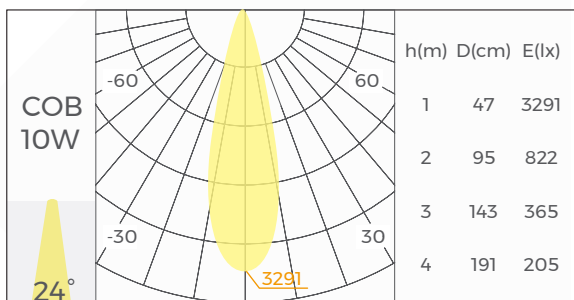
1. The output data is based on the testing result of Ra90,4000K luminaires;
2. The tolerance of output data can be vary up to 10%;
3. The output data is typical value.

## ©Optical Parameter

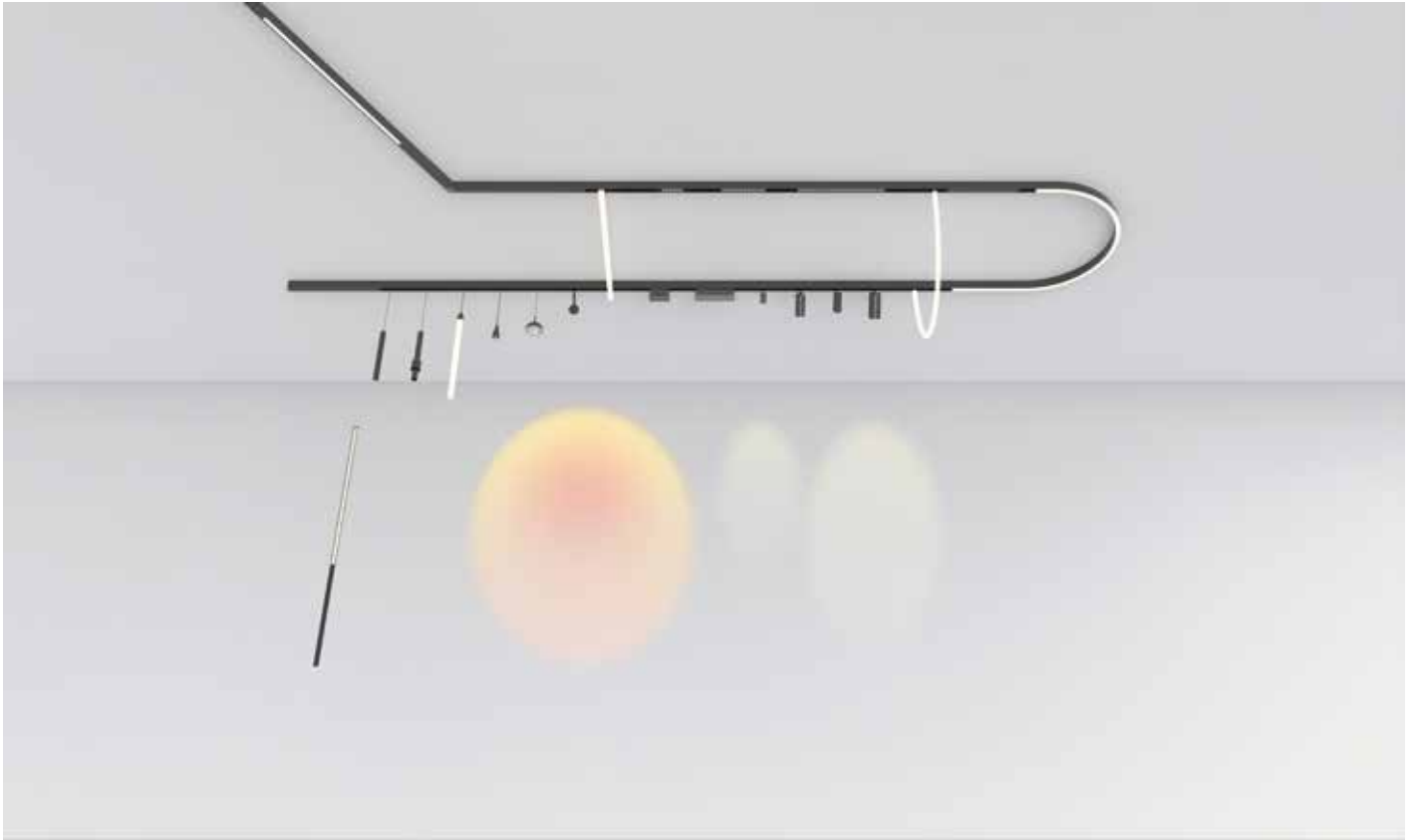
### · Normal



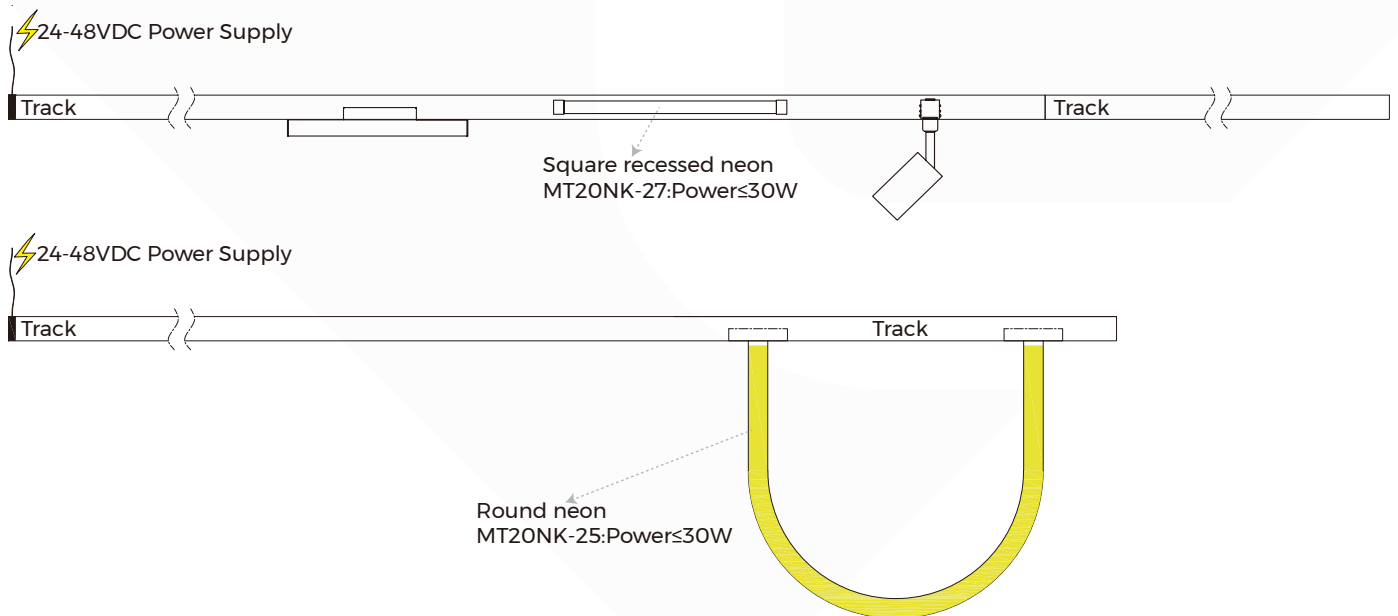
### · 3 CCT tunable(Dial switch)



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

| Picture                                                                             | Name                                             | Model    |
|-------------------------------------------------------------------------------------|--------------------------------------------------|----------|
|    | Power feeder of track                            | TLS-M261 |
|    | Electrical connector                             | TLS-M264 |
|    | I-shaped electrical connector<br>(Recessed type) | TLS-M265 |
|    | I-shaped electrical connector<br>(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<br>(Downward)            | L90-MR20(A)  |
|    | L-shaped corner<br>(Inward)              | L90N-MR20(A) |
|    | L-shaped corner<br>(Downward)            | L90-MR20(B)  |
|    | L-shaped corner<br>(Inward)              | L90N-MR20(B) |
|    | L-shaped corner<br>(Downward)            | L90-MR20(C)  |
|   | L-shaped corner<br>(Inward)              | L90N-MR20(C) |
|  | L-shaped corner<br>(Downward)            | L90-MS20     |
|  | L-shaped corner<br>(Inward)              | L90N-MS20    |
|  | L-shaped corner<br>(Downward)            | L90-MH20     |
|  | L-shaped corner<br>(Inward)              | L90N-MH20    |
|  | L-shaped Adjustable corner<br>(Downward) | L90-MH20(A)  |
|  | T-shaped Adjustable corner<br>(Downward) | T90-MH20(A)  |
|  | X-shaped Adjustable corner<br>(Downward) | X90-MH20(A)  |



| Picture                                                                           | Name                                | Model                     |
|-----------------------------------------------------------------------------------|-------------------------------------|---------------------------|
|  | CASAMBI controller                  | 1200EN1812-CAS-XX-BLDAV48 |
|  | Magnetic power supply<br>(48V/100W) | MT20-HDRV100H48S-M        |
|  | Magnetic power supply<br>(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

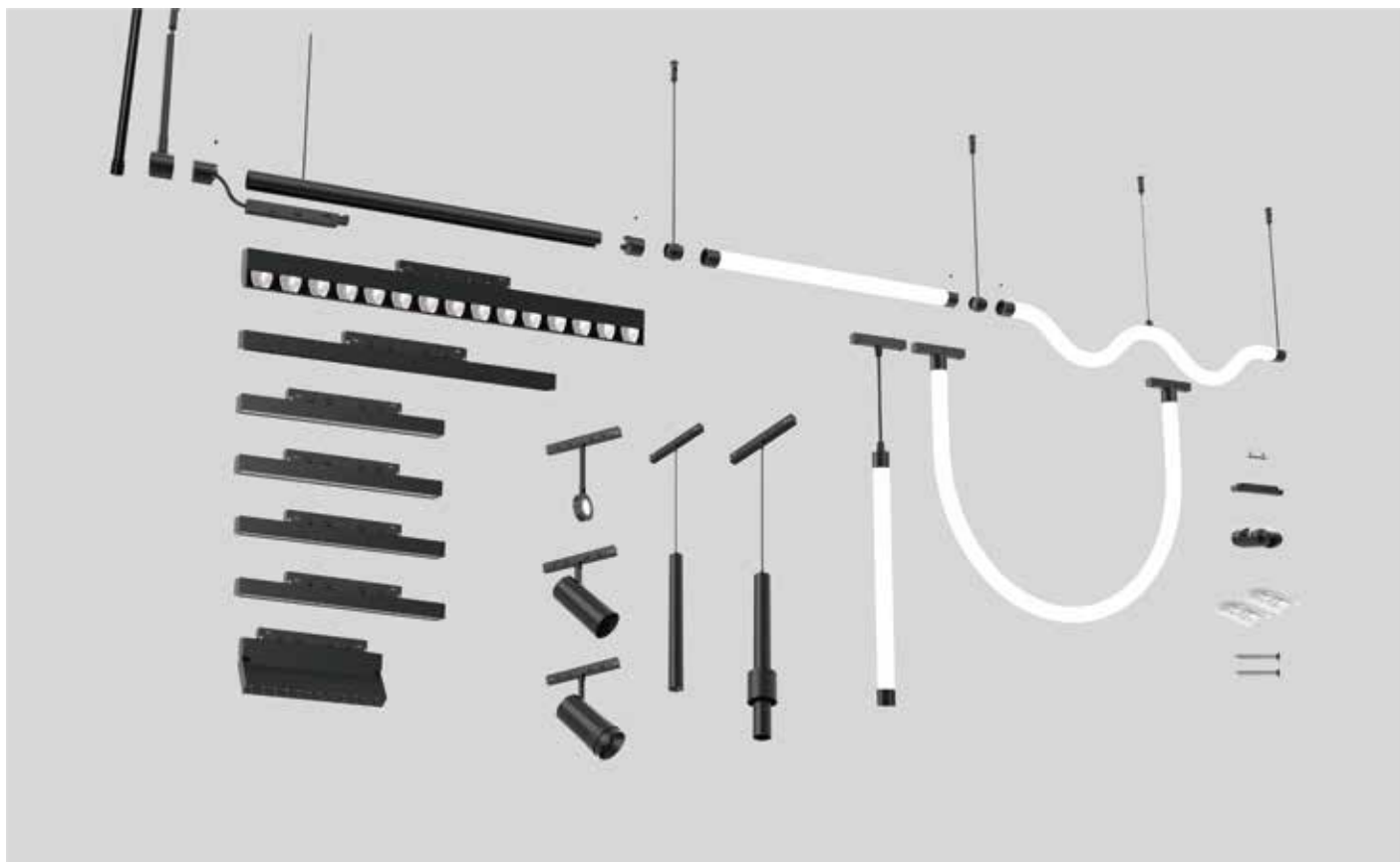
| Picture                                                                             | Name                                             | Model            |
|-------------------------------------------------------------------------------------|--------------------------------------------------|------------------|
|    | Trimless recessed track<br>(Ordinary batching)   | TLS-ECO-MR2X0    |
|    | Trimless recessed track<br>(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<br>(Inward)                      | L90-ECO-MS20     |
|  | L-shaped corner<br>(Inward)                      | L90-ECO-MH20     |
|  | Pendant rope set                                 | TLS-ECO-M280     |
|  | I-shaped electrical connector<br>(Surface)       | TLS-ECO-M281     |

Note:

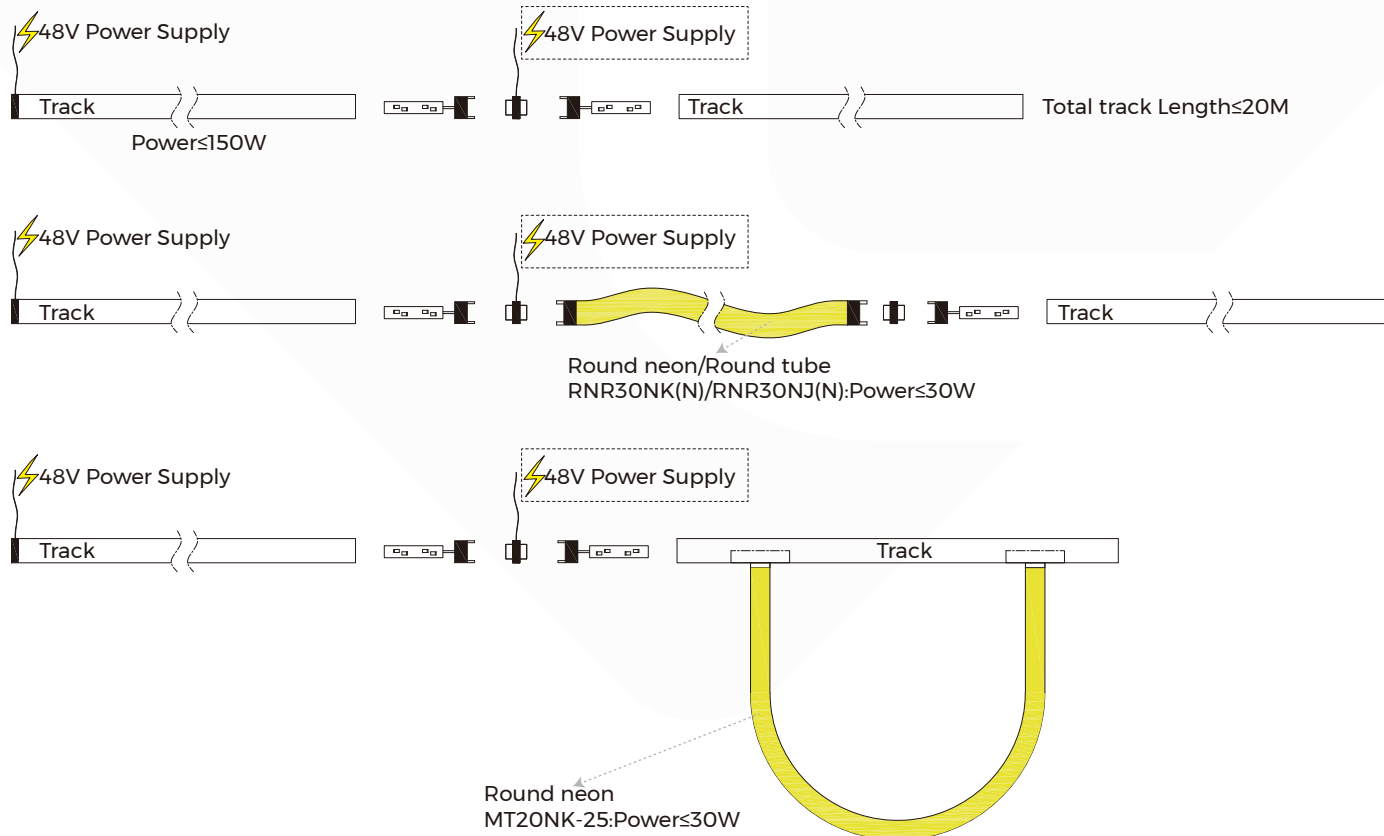
1,Please refer to the accessory list table for detailed parameters.

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<br>(1-2 Meter Adjustable)   | TLS-R893    |
|   | Neon lights Pendant rod<br>(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) | GW (kg) | Size (mm/carton)                   |
|--------------------------|-----------------------------------|---------------|------------------|-------------|----------------|---------|------------------------------------|
| TLS-MT20S52-10904036-NBB | 206*194*62<br>[8.11"*7.64"*2.44"] | 1             | 20               | 0.26        | 5.2            | 12.5    | 429*330*410<br>[16.89"*13"*16.14"] |

## ◎Model Code

|                                      |          |                              |                          |                        |                      |                         |                                                           |          |                       |                  |                                                                         |                                                                              |          |                                                                                        |                               |                              |
|--------------------------------------|----------|------------------------------|--------------------------|------------------------|----------------------|-------------------------|-----------------------------------------------------------|----------|-----------------------|------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------|-------------------------------|------------------------------|
| <b>TLS</b>                           | <b>-</b> | <b>M</b>                     | <b>T</b>                 | <b>20</b>              | <b>S</b>             | <b>52</b>               | <b>(T)</b>                                                | <b>-</b> | <b>10</b>             | <b>90</b>        | <b>35</b>                                                               | <b>36</b>                                                                    | <b>-</b> | <b>N</b>                                                                               | <b>B</b>                      | <b>B</b>                     |
| System<br>TLS:<br>Track Light System |          | Series<br>M: Magnetic Module | Installation<br>T: Track | Track Size<br>20: 20mm | Type<br>S: Spotlight | Size<br>52: $\phi$ 52mm | Version<br>N: Normal<br>T: S CCT tunable<br>(Dial switch) |          | Type Power<br>10: 10W | CRI<br>90: Ra>90 | CCT<br>27: 2700K<br>30: 3000K<br>40: 4000K<br>35: 3000K-4000K<br>-5000K | Beam angle<br>15: 15°<br>20: 20°<br>24: 24°<br>36: 36°<br>38: 38°<br>50: 50° |          | Dimming Method<br>N: Non-Dimming<br>D: 1-10V Dimming<br>A: DALI Dimming<br>X: No Power | Color<br>B: Black<br>W: White | Inner Ring Color<br>B: Black |

## ◎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