



360 Degree LED Sign Tube

With Optic Lens, double-sided illuminate.

SPECIFICATION





Product Description

This 360 Degree LED Sign Tube, make the light boxes lights installation more easier. Evn light distribution and bright light, make your light boxes look more fancy and outstanding.

Double side illuminating, big beam angle 360, light two sides at the same time.

Benefits

- 120V input directly, adapt original R17D lamp holder, quick and easy replacement of T12 HO Fluorescent lamps
- Available in lengths from 18in to 120in, cover all the popular length of T12 Fluorescent lamps.
- Lens on LEDs, max. diffuse the light on the surface, make the light even, no hot or black spots on the surface.
- Double sided design, 360 degree, illuminate double-sided light boxes.
- 120lm/W, Energy saving over 60%.

Applications

- Double-sided or single-sided Light boxes.
- Freezer, Walk-in Cooler Door.



Item Code Rules:

MC - DS106 - XX- XX
① **②** **③** **④⑤**

- ①** MC: Company Code
- ②** DS106: Item Code
- ③** XX: power consumption. Eg: "XX=30" means 30 Watt.
- ④** X: PC Cover Type. Can be C (C=Clear)
- ⑤** X: Color temperature, can be letter "C", "D"."E"
"C" means 4000K, "D" means 5000K,
"E" means 6000K

Working Conditions:



Features:

- 100-277V Input voltage
- Internal Driver, no need external driver.
- Power factor > 0.92
- Double Sided Illuminate in standard, single side is available.
- Lens degree: 170 degree, Lamp Degree: 360 degree.
- R17D lamp holder.
- Ballast Bypass.
- Wide range lengths.
- 120lm/w

Dimensions:



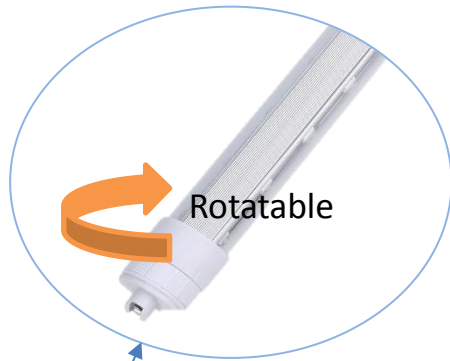
B=∅ 26mm

A can be 16", 22", 28", 34", 40", 46", 62", 58",
70", 82", 94", 106", 115", 118"

Data Sheet

| Model | Accurate Length | Retrofit | Power(W) | Lumen per Watt | CCT | Beam Angle | Lumen per Side | Lumen per Side | Input Voltage |
|----------------|-----------------|----------|----------|----------------|-------------|------------|----------------|----------------|---------------|
| MC-DS106-10XX | 16'' | F18 | 10 | 140lmn/W | 3000K-6500K | 360° | 600 | 100-277V ac; | ETL,cETL |
| MC-DS106-15XX | 22'' | F24 | 15 | 140lmn/W | 3000K-6500K | 360° | 900 | 100-277V ac; | ETL,cETL |
| MC-DS106-18XX | 28'' | F30 | 18 | 140lmn/W | 3000K-6500K | 360° | 1080 | 100-277V ac; | ETL,cETL |
| MC-DS106-20XX | 34'' | F36 | 20 | 140lmn/W | 3000K-6500K | 360° | 1200 | 100-277V ac; | ETL,cETL |
| MC-DS106-24XX | 40'' | F42 | 24 | 140lmn/W | 3000K-6500K | 360° | 1440 | 100-277V ac; | ETL,cETL |
| MC-DS106-30XX | 46'' | F48 | 30 | 140lmn/W | 3000K-6500K | 360° | 1800 | 100-277V ac; | ETL,cETL |
| MC-DS106-40LXX | 62'' | F64 | 40 | 140lmn/W | 3000K-6500K | 360° | 2400 | 100-277V ac; | ETL,cETL |
| MC-DS106-40XX | 58'' | F60 | 40 | 140lmn/W | 3000K-6500K | 360° | 2400 | 100-277V ac; | ETL,cETL |
| MC-DS106-45XX | 70'' | F72 | 45 | 140lmn/W | 3000K-6500K | 360° | 2700 | 100-277V ac; | ETL,cETL |
| MC-DS106-50XX | 82'' | F84 | 50 | 140lmn/W | 3000K-6500K | 360° | 3000 | 100-277V ac; | ETL,cETL |
| MC-DS106-60XX | 94'' | F96 | 60 | 140lmn/W | 3000K-6500K | 360° | 3600 | 100-277V ac; | ETL,cETL |
| MC-DS106-60XX | 106'' | F108 | 60 | 140lmn/W | 3000K-6500K | 360° | 3600 | 100-277V ac; | ETL,cETL |
| MC-DS106-70XX | 115'' | F117 | 70 | 140lmn/W | 3000K-6500K | 360° | 4200 | 100-277V ac; | ETL,cETL |
| MC-DS106-70XX | 118'' | F120 | 70 | 140lmn/W | 3000K-6500K | 360° | 4200 | 100-277V ac; | ETL,cETL |

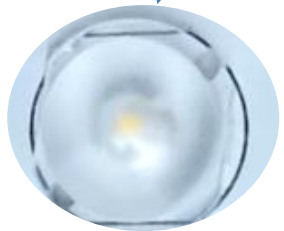
Structure:



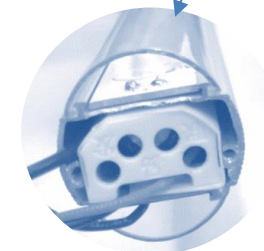
- R17D HO pin, replace fluorescent T8/T12 HO pin.
- Rotatable R17D End Caps, can adjust the angle



- Double-sided illumination, the other is the same.



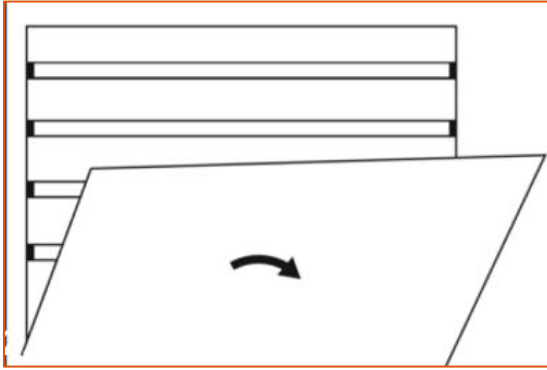
- LEDs are covered by Optical lens, diffuse the light on the surface, and enlarge the lighting area, save lights, save cost.



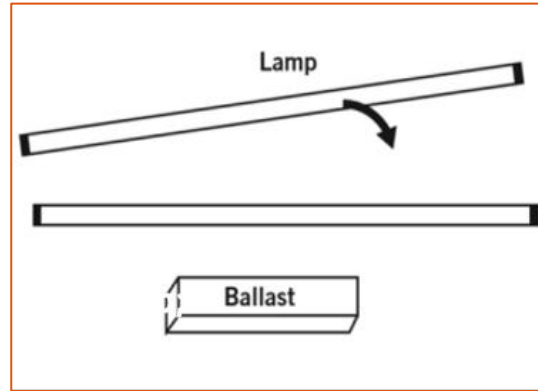
- Built-in Driver. 120V input directly. No external driver needed. Ballast bypass.

Installations

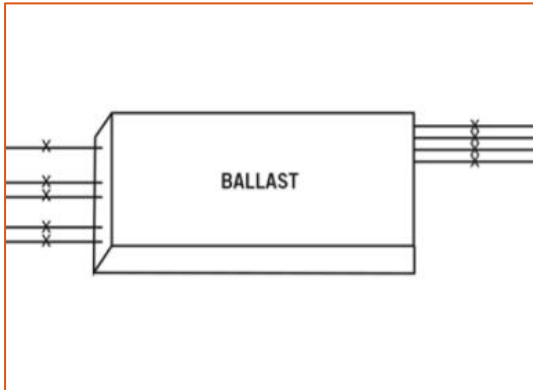
1. Turn Off Main Power.
Open the advertising light box;



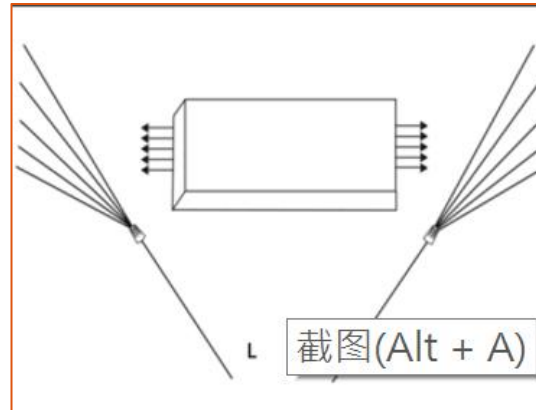
2. Remove the old lamp



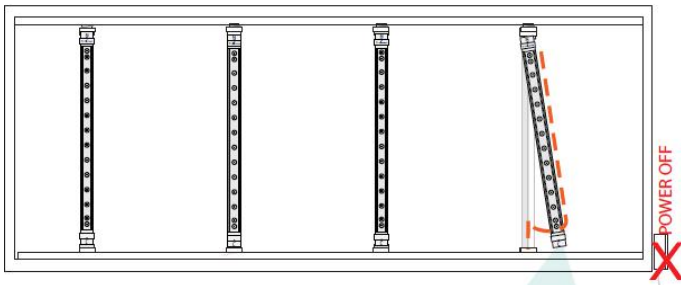
- 3.. Cut all ballast input and output wires. Remove the ballast if needed;



4. Connect L line to all wires Coming from sockets on one side and N to all wires coming from sockets on opposite



5. Install the LED Sign Tube



Spacing and Depth:

Retrofit Application:

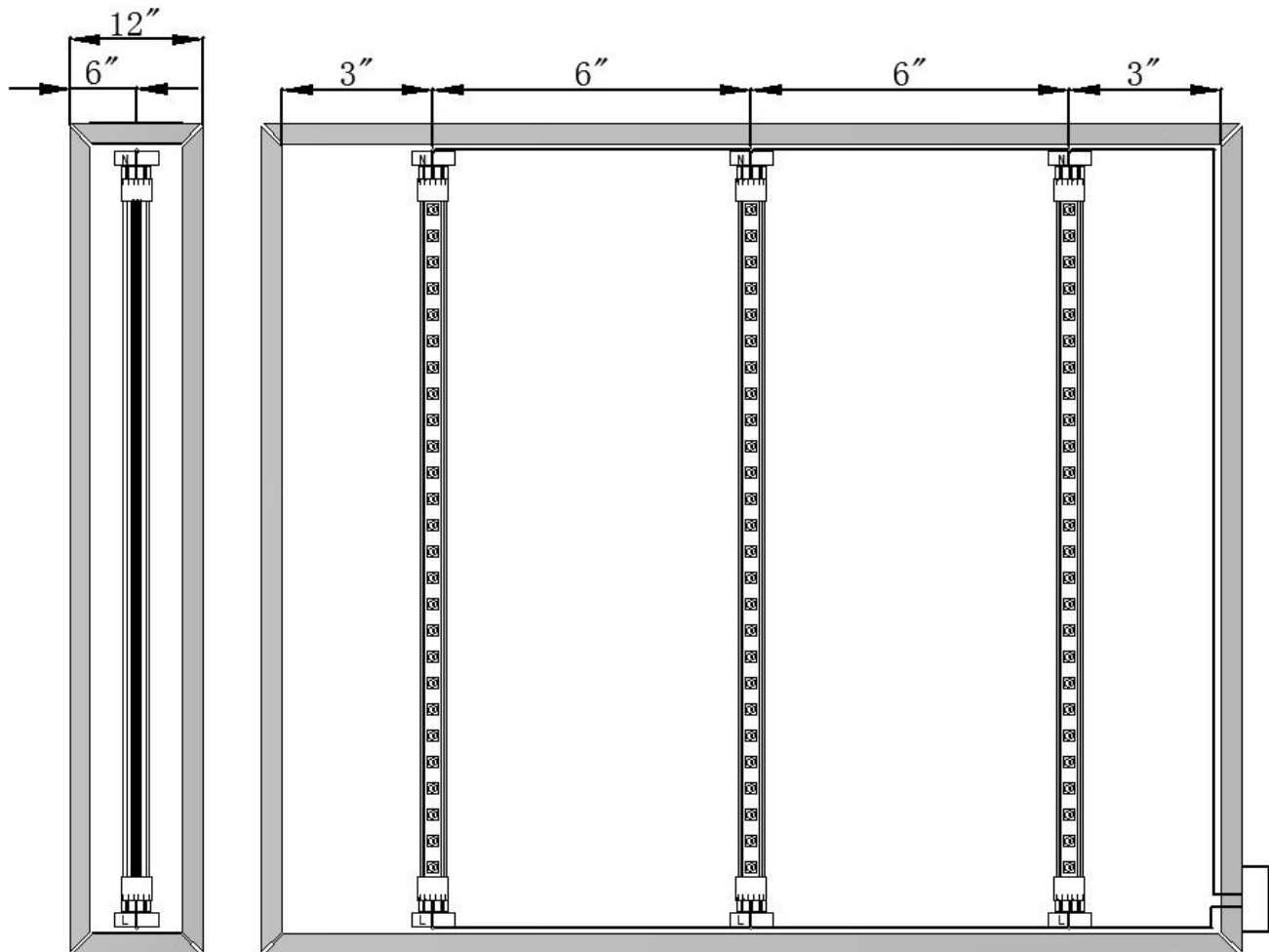
Spacing of lamps in T12 HO **Fluorescent replacement** retrofit applications will remain the same (one-for-one retrofitting of lamps using pre-existing T12 sockets).

In new build applications:

For common size 12" depth double sided light box example, recommended installation is:

The first and last Sign Tubes should be positioned maximum 3" from the center of the lamp to the inside side wall of the cabinet, and space between lamps should be Max. 6".

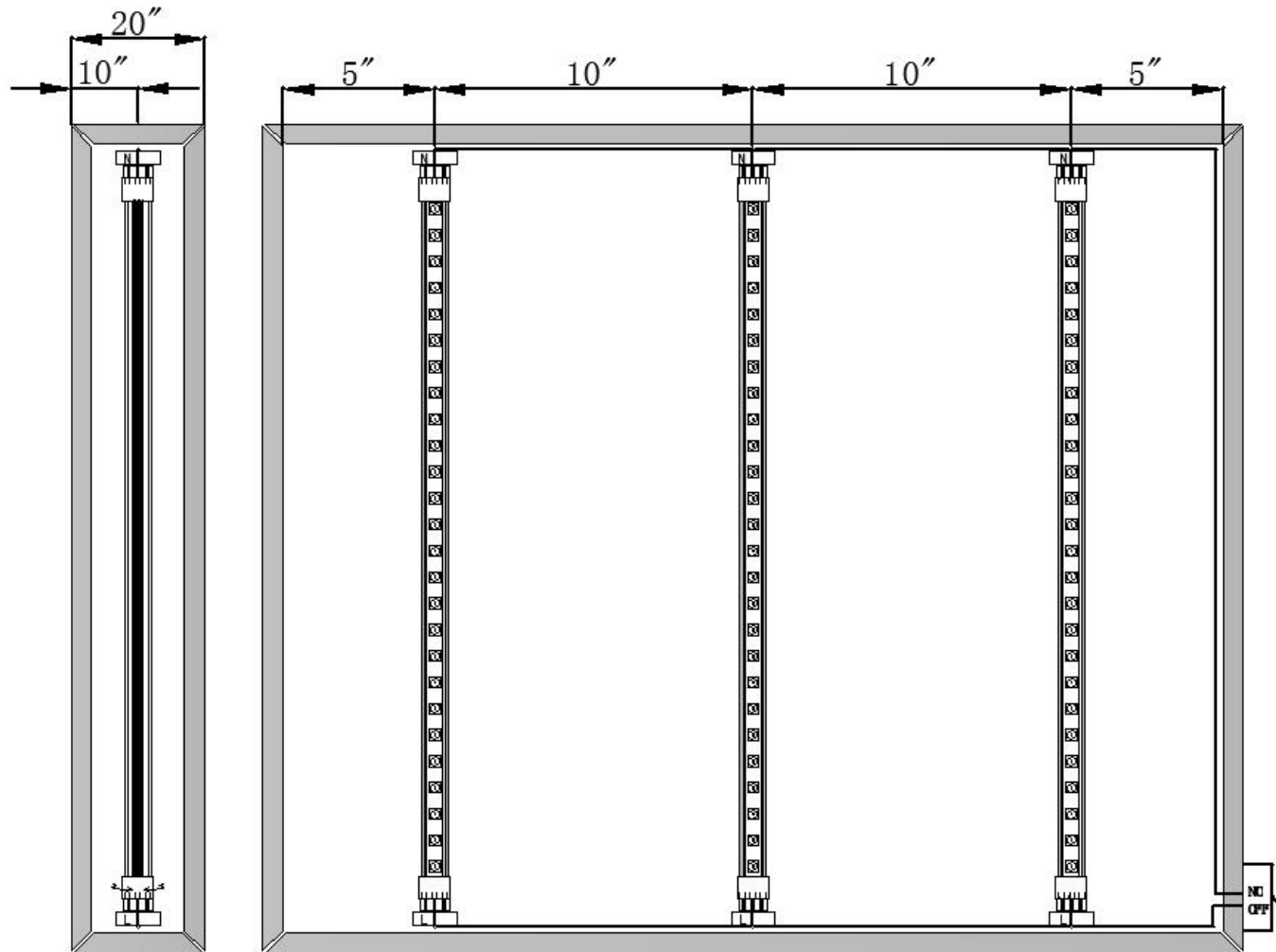
If brighter light required, can install tubes closer.



For common size 20" depth double sided light box example, recommended installation is:

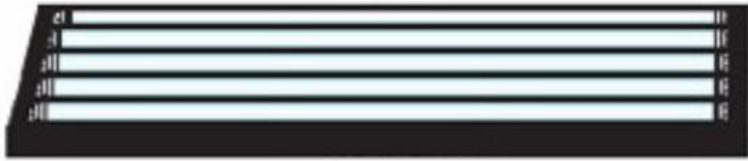
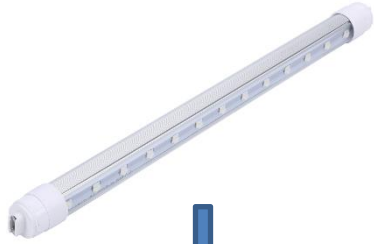
The first and last Sign Tubes should be positioned maximum 5" from the center of the lamp to the inside side wall of the cabinet, and space between lamps should be Max. 10".

If brighter light required, can install tubes closer.



Packing

Standard Packing: EPE Foam packing, 25pcs in a carton.



Into EPE foam



Into outer box



25pcs in it