

T8 SIGN TUBE

DESCRIPTION

Upgrade your T12HO and T8HO fluorescent lamps with naturaLED® T8 Sign Tubes—designed for quick, easy, and energy-efficient replacements in sign applications. Ideal for both single or double ended wiring configuration, the rotatable base and individual optical lenses ensure precise, even light distribution exactly where you need it. With a 50,000+ hour lifetime and backed by a 5-year warranty, our T8 Sign Tubes deliver advanced performance, durability, and long-lasting reliability

APPLICATIONS

Replacement for conventional T8HO/T12HO fluorescent lamps for sign applications

FEATURES

- Single or Double Ended Wiring Configuration
- ETL/cETL Listed
- UL Classified: LED sign and Retrofit Kits (UL879A)
- CSA Classified: Electric Signs and Displays (CSAC22.2)
- RoHs Compliant
- Available in all popular T12 lengths
- Rotatable R17d Socket
- Wattage: 7-52W
- Color Temp: 6500K
- Voltage: 120-277V (No External Driver Needed)
- CRI: 83
- Beam Distribution: 360°
- Lens: Individual lens for even light distribution
- Operating Temperature: -13°F to 140°F (-25°C to 60°C)
- Heat Control: Large heat sink to maximize heat dissipation
- Life: 50,000+ hour life time rating, L70
- Warranty: 5-year limited warranty

PROJECT: _____

SCHEDULE: _____ DATE: _____

PREPARE BY: _____

NOTES: _____



Rated Life 50,000 Hours
Warranty 5 Years

ACCESSORIES

Surge Protector

-  P10389 SPD-L-10KV-277
(Surge Protection 10KV 120-277V)
-  P10390 SPD-L-20KV-277
(Surge Protection 20KV 120-277V)

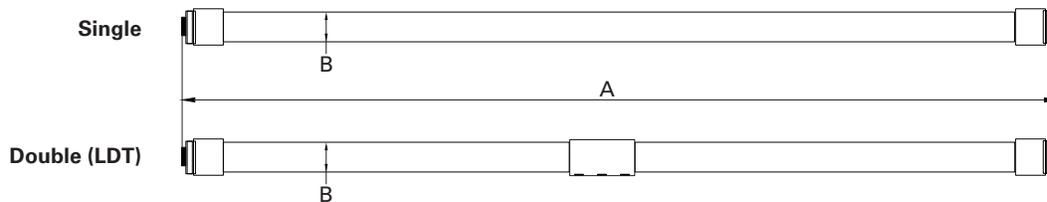
SAMPLE NUMBER		LED7ST8/18CL360/865/UNV			
STYLE	WATTAGE	SERIES	LENGTH/BEAM	CRI/COLOR TEMP	TYPE
LED	7	ST8	18CL360	865	UNV
LED Lighting	7 Watt	Sign Tube T8	18-inch Clear 360°	CRI 80 6500K	Universal



ORDERING

Ordering Code	Description	Nominal Length	Watts (W)	Lumens (Lm)	Efficacy (lm/w)	Input Current @120V	CRI	PF	Beam	Voltage	Socket
4638	LED7ST8/18CL360/865/UNV	18"	7	875	125	65mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4639	LED10ST8/24CL360/865/UNV	24"	10	1250	125	93mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4640	LED13ST8/30CL360/865/UNV	30"	13	1625	125	120mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4641	LED16ST8/36CL360/865/UNV	36"	16	2000	125	148mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4642	LED18ST8/42CL360/865/UNV	42"	18	2250	125	167mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4643	LED21ST8/48CL360/865/UNV	48"	21	2625	125	194mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4644	LED26ST8/60CL360/865/UNV	60"	26	3250	125	241mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4645	LED28ST8/64CL360/865/UNV	64"	28	3500	125	259mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4646	LED31ST8/72CL360/865/UNV	72"	31	3875	125	287mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4647	LED37ST8/84CL360/865/UNV	84"	37	4625	125	343mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4648	LED42ST8/96CL360/865/UNV	96"	42	5250	125	389mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4649	LED47ST8/108CL360/865/UNV	108"	47	5875	125	435mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4650	LED50ST8/117CL360/865/UNV	117"	50	6250	125	463mA	Ra83	>0.9	360°	120-277V	R17d Rotatable
4651	LED52ST8/120CL360/865/UNV	120"	52	6500	125	481mA	Ra83	>0.9	360°	120-277V	R17d Rotatable

DIMENSIONS

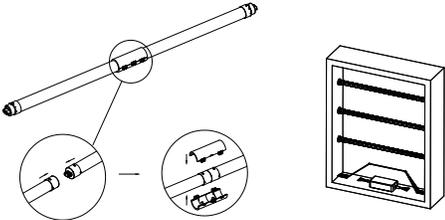


naturaLED #	naturaLED	Nominal Length	Overall Length (A)	Diameter (B)	Single / Double (LDT)
4638	LED7ST8/18CL360/865/UNV	18"	15.81"	1.05"	Single
4639	LED10ST8/24CL360/865/UNV	24"	21.78"	1.05"	Single
4640	LED13ST8/30CL360/865/UNV	30"	27.81"	1.05"	Single
4641	LED16ST8/36CL360/865/UNV	36"	33.81"	1.05"	Single
4642	LED18ST8/42CL360/865/UNV	42"	39.81"	1.05"	Single
4643	LED21ST8/48CL360/865/UNV	48"	45.81"	1.05"	Single
4644	LED26ST8/60CL360/865/UNV	60"	57.81"	1.05"	Single
4645	LED28ST8/64CL360/865/UNV	64"	61.81"	1.05"	Double (LDT)
4646	LED31ST8/72CL360/865/UNV	72"	69.81"	1.05"	Double (LDT)
4647	LED37ST8/84CL360/865/UNV	84"	81.81"	1.05"	Double (LDT)
4648	LED42ST8/96CL360/865/UNV	96"	93.81"	1.05"	Double (LDT)
4649	LED47ST8/108CL360/865/UNV	108"	105.81"	1.05"	Double (LDT)
4650	LED50ST8/117CL360/865/UNV	117"	114.81"	1.05"	Double (LDT)
4651	LED52ST8/120CL360/865/UNV	120"	117.81"	1.05"	Double (LDT)

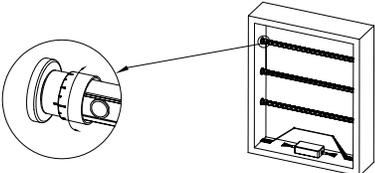
INSTALLATION

Horizontal Installation

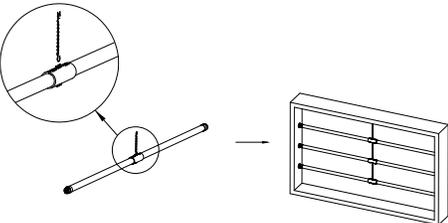
For Linked Double Tube (LDT)



Connect the two LED tubes and secure the joint with the LDT plastic cover



Use the rotatable base to adjust the lighting

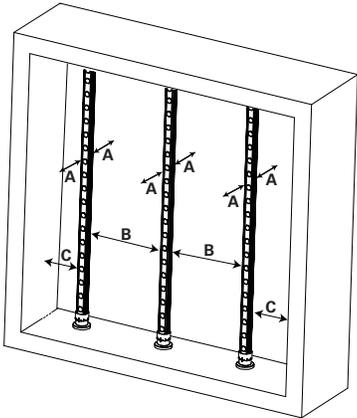


Use the hooking chain to hold the tube

*Chain for LDT only

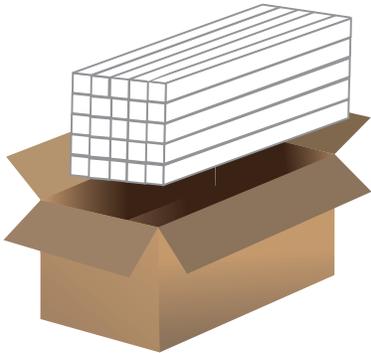
Recommended distance between lamps and sign face

Maximum distance from the lamp to sign face	Maximum spacing between lamps	
	Average illumination: 450lx, uniformity of illuminance: 0.8	
(A)	(B)	(C)
1.18"	3.93"	1.96"
1.57"	5.24"	2.62"
1.97"	6.56"	3.28"
3.94"	13.11"	6.56"
5.91"	19.67"	9.84"
7.87"	26.22"	13.11"
11.81"	39.33"	19.67"
19.69"	65.55"	32.78"



PACKAGE

Case Qty : 25 pcs
Tube Length: 18" to 60"



Case Qty: 10 pcs
Tube Length: 64" to 120"

