

# LED T8 GASS TUBE



Lumens Depot Foam's 2nd Gen Linkable LED Strip Fixtures are designed to deliver efficient performance in applications where low-voltage, halogen, or fluorescent luminaires have traditionally been used. Featuring integrated drivers and a self-supporting design, these fixtures can be easily surface mounted for quick and convenient installation.

Engineered for flexibility, they are both wattage adjustable and CCT selectable, allowing users to customize lighting based on specific needs. Individual units can be seamlessly connected to create continuous runs of up to 20 pieces (4'), making them ideal for uniform lighting across larger interior spaces.

These fixtures connect directly to line voltage, eliminating the need for additional components and making them a practical, energy-efficient solution for a wide range of indoor applications.

## Product Features

- Efficacy up to 135 Lumens per watt
- Wattage Adjustable 20W / 30W / 40W
- CCT Adjustable 3000K / 3500K / 4000K / 5000K
- Input Voltage 120-277Vac 50-60Hz
- 4' Linkable up to 20 Pcs
- High CRI, LumiLEDs Chips
- Operates directly from line voltage
- Optional hanging kit available
- Output constant current lever can be adjusted through output cable with 0-10V
- Surface mounting bracket for easy installation
- Iron housing with white paint finish
- Input Voltage 120-277Vac
- UL & DLC Listed
- 5 Year warranty

# LED T8 GASS TUBE

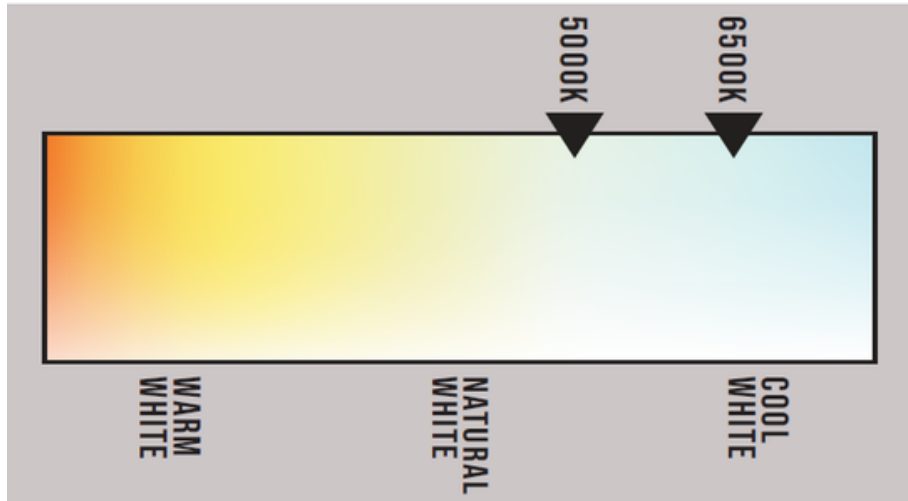
Wattage Adjustable	Lumens	CCT Adjustable	Size	Beam Angle	Certifications
20W/30W/40W	5400 Max.	3K/3500K/ 4K/5K	4'	130o Degrees	UL & DLC

## Specifications

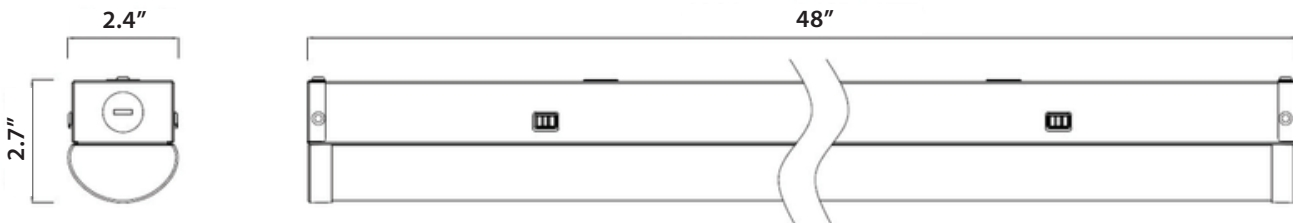
Parameter	Description	
General Performance	Model #	BLT-LA01C-40/30/20W4FTBTB1A1-WH50/40/35/30
	Wattage Adjustable	20W / 30W / 40W
	Lumens	5400LM
	Lumen Efficacy	Up to 135LM/W
	Color Temperature	3000K / 3500K / 4000K / 5000K
	CRI (Ra)	>80
Electrical	Beam Angle	130° Degree
	Input Voltage	120-277Vac, 50/60Hz
	Diffuser Type	Frosted Lens
	Dimming	0-10V Dimmable
	Power Factor	≥0.9
	Flicker Percent	<5%
	Driver Brand	/
	Driver Model	LH-040LA-S90SVPC
Driver Surge Protection	L/N-PE: 2kV, L-N: 2	
Physical	Operating Temperature	With out Sensor and Emergency Power Supply: -30°C TO 50°C With Sensor: -20°C to 45°C, With Emergency Power Supply: 0°C to 40°C
	Operating Humidity	20% - 90% RH
	Storage Temperature	-20°C to 80°C
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
LED Qty.	180 PCS	
Qualification	Housing	IRON
	Housing Color	White
	IP Rating	DAMP (IP4X)
	Warranty	5 Year

# LED T8 GASS TUBE

## Correlated Color Temperature (CCT)



## Dimension



## Optional Accessories



Optional Surface Mount Connector Bracket



Hanging Mount Safety Cable  
SKU: 152548



Optional Hanging Mount Connector Bracket



Optional Battery Backup

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## Photometric Data

### Luminaire Property

Luminaire Manufacturer:  
Voltage: 120.5 V  
Power: 40.72 W

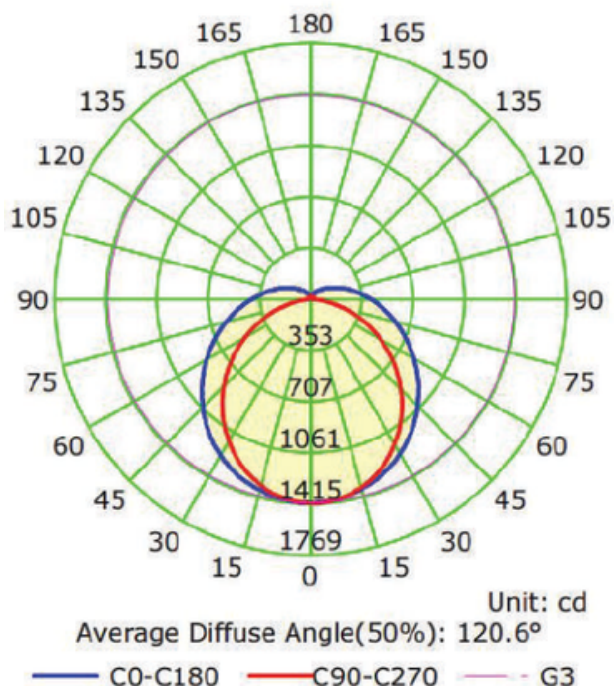
Current: 0.340 A  
Power Factor: 0.993

### Photometric Results

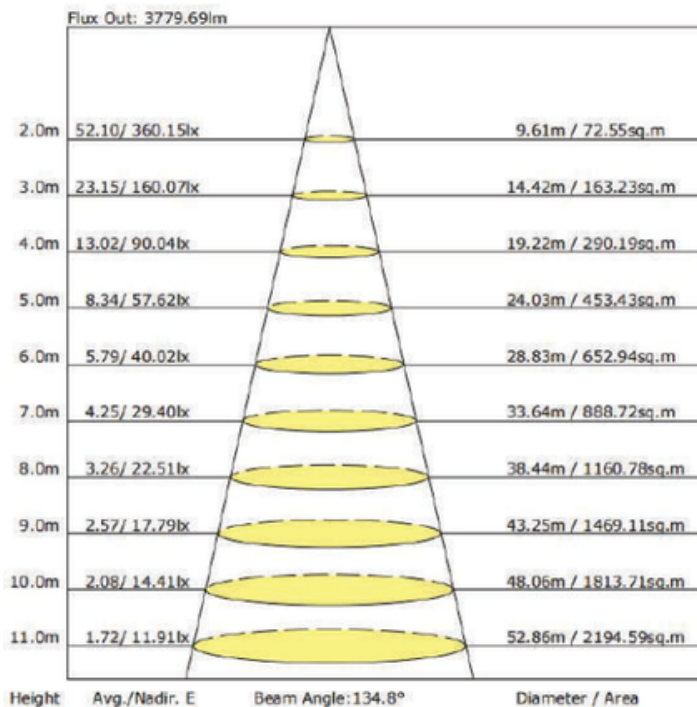
CIE Class: Semi-Direct  
Measurement Flux: 5386.3 lm  
Downward Ratio: 88%  
Horizontal Diffuse Angle(10%,50%): H247.2,H133.8  
Vertical Diffuse Angle(10%,50%): V158.2,V104.1  
Luminaire Efficacy Rating (LER): 132.33  
Max. Intensity: 1456.57 cd  
S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 5386.3 lm  
Efficiency: 100%  
Upward Ratio: 12%  
Central Intensity: 1453.68 cd  
Pos of Max. Intensity: H0 V5  
S/MH(C90/C270): 1.20

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



# LED T8 GASS TUBE

## Installation

### Cautions:

1. Can not use the electric generator to test the LED light.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

### Notice:

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric Knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

### Attention:

1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are complete. After confirmation, then install the fixture according to installation steps.

### Wiring Diagram & Instruction:

3 Dimming functions are available in this high bay light:

1. Constant current can be achieved by 0/1-10VDC dimming.
2. PWM signal dimming.
3. Variation of resistance unit dimming.

#### Description:

This product is 0/1-10V dimming, below dimmers are recommended:

Brand	Model
LUTON	NTSTV-DV
LEVITON	DS710-10Z / IP710
LEGRAND	RH4FBL3PW

### Wiring Instruction

L:Black,

N:White,

⊕ : Green/Yellow

DIM +

DIM -

(As for the wire color of DIM+ and DIM-, pls check the light label.)

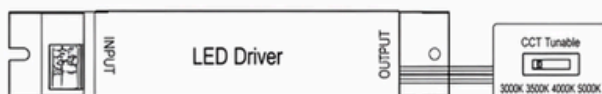


Please choose the appropriate dimming way according to your needs. You can also choose not to use this function.

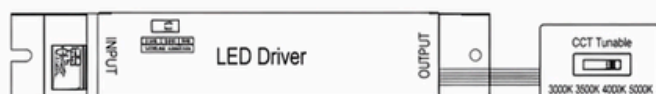
Round lampshade or square lampshade will not affect the installation method or function expansion of the product.

### CCT or Wattage Tunable:

Step1. Press the screws on both sides of the lamp by hand to open the lamp, Wattage can be adjusted via dialing.



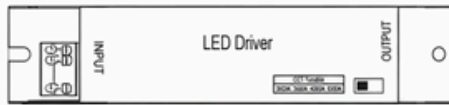
2FT



4FT / 8FT

# LED T8 GASS TUBE

## Installation



2FT



4FT / 8FT

### Two installation methods: A Surface Mounting, B Hanging

(Please choose the most suitable installation method for the purchased product as per your needs.)

#### A. Surface Mounting:

- Step1. According to the different lengths of the product, drill holes at the corresponding positions and drive the rubber plugs from the accessory kit into the holes (Figure 1)
- Step2. Clamp the disc from the accessory kit to the lamp (this step can be omitted if the light fixture can completely cover the junction box on the wall) (figure 2)
- Step3. Press the screws on both sides of the lamp by hand to open the lamp (Figure 3)
- Step4. Lead the wire into the lamp and install the lamp chassis by using the screws in the accessory kit (figure 4)
- Step5. Connect the wires according to safety requirements, and then install the lamp body back to the chassis, By using a extra mounting bracket, the lights can be connected in series (Figure 5) (Product connection: 20W lamps can be connected to maximum 50pcs, 40W 20pcs, and 60W 12pcs and 70W 13pcs and 80W 11pcs and 90W 10pcs)

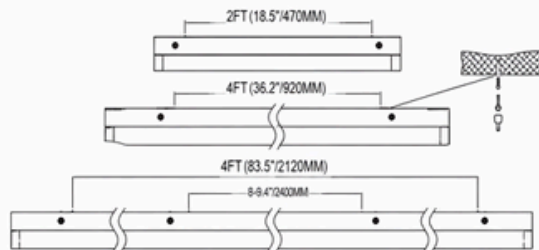


Figure 1



Figure 3

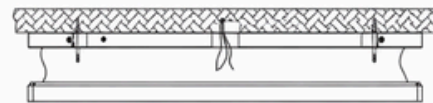


Figure 4



Figure 2

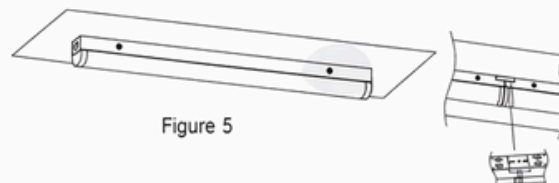


Figure 5

#### B: Hanging Installation:

- Step1. Hang one end of the installation rope in the accessory kit on the wall or hook (Choose accessories according to your needs) (Figure 6)
- Step2. Fasten the other end of the installation rope to the lamp (Figure 7)
- Step3. Press the screws on both sides of the lamp by hand.
- Step4. Connect the wires according to safety requirements and then install the lamp body back to the chassis (Figure 8)



Figure 6

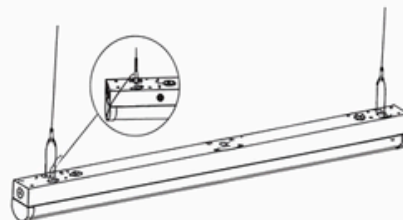


Figure 7

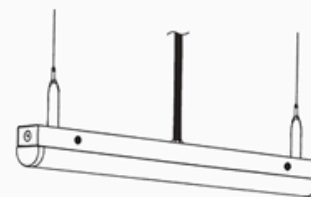


Figure 8

# LED T8 GASS TUBE

## Installation

**Extra Accessory Option Installation: 1: Product lengthening, 2: Sensor, 3: Backup driver, 4: Wire Guard.**

### 1. Product lengthening:

Step1. Use the screws in the accessory kit to lock the bracket onto one lamp (figure 9)

Step2. Align the other lamp to the bracket and lock the screws (Figure 10)

(Product connection: 20W lamps can be connected to maximum 50Pcs, 40W 20Pcs & 60W 12Pcs & 100W 6Pcs).

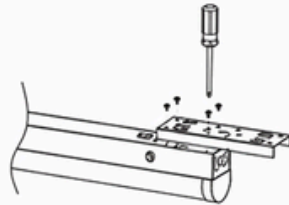


Figure 9

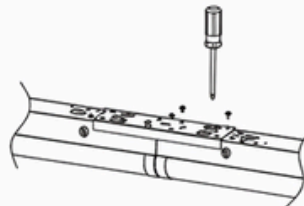


Figure 10

### 2. DC Motion Sensor:

Step1. Press the screws on both sides of the lamp by hand to open the lamp.

Step2. Assemble the DC sensor to the corresponding position (Figure 11).

Step3. Connect the wires according to the wiring instructions, adjust sensing mode as per demand and then assemble the disassembled lamp back. (Figure 12)

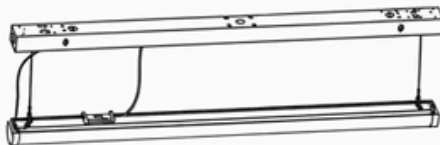


Figure 11



Figure 12

### 3. Backup driver:

Step1. Press the screws on both sides of the lamp by hand to open the lamp.

Step2. Assemble the backup driver to the lamp chassis (Figure 13)

Step3. Connect the wires according to the wiring instructions and assemble the disassembled lamp back. (Figure 14)

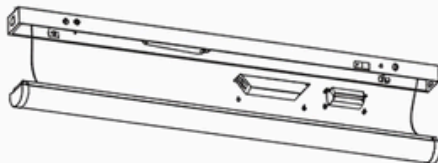


Figure 13



Figure 14

### 4. Wire Guard:

After installing the product is completed, install the barbed wire on the lamp with screw. (Figure 15/16)



Figure 15

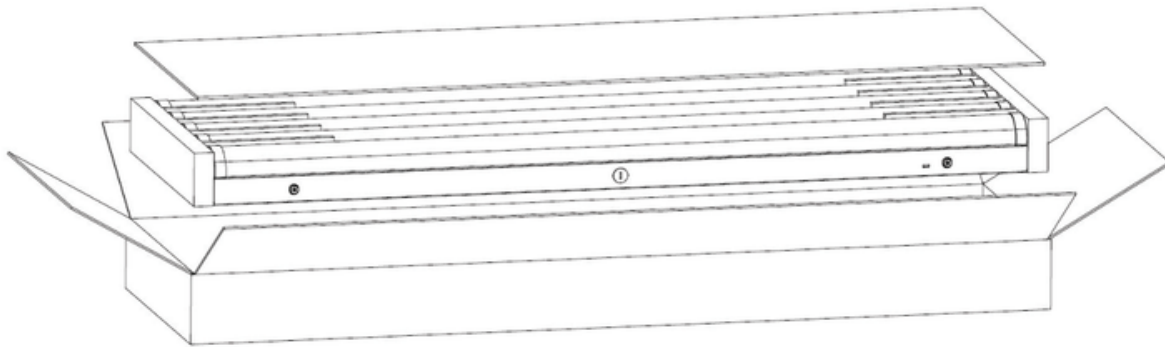


Figure 16

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## Packaging

Box Type	Carton Size	Qty/Carton	Net Weight	Gross Weight
Inner Box	48.42 x 5.90 x 2.95	2 Pcs	6.60 LBS	7.86 LBS
Outer Box	49.21 x 9.84 x 6.69	6 Pcs	19.8 LBS	25.7 LBS



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## Application Image

