LED

UL Tubes

americanlite®

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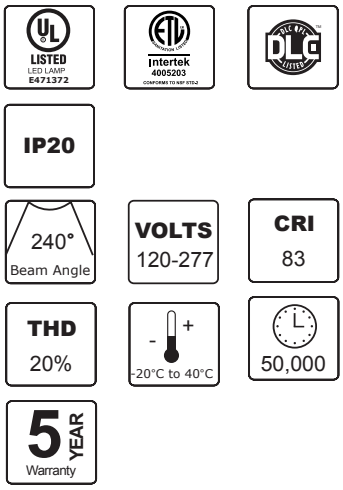
LISTED

01.04.24

PETG SMART™

Dual mode T8 LED SMD Tube



Americanlite® offers the first patented SMART™ technology LED tube. Its dual-purpose functionality will allow this tube to operate as a Direct Replacement with instant start electronic ballast as well as in Bypass mode (without the ballast).

PET coated-glass housing provides excellent transparency and thermal conductivity, as well as shatter proof protection. Opal tube complies with NSF-2 Standard (safe for food industry)

Since the tube can be energized on one end or on both ends, when the ballast fails, all that is required is to wire as bypass mode allowing the system to work again. No need to rewire lamp holders. (see page 3 for wiring diagrams and back of catalog for ballast compatibility chart)

Can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals, schools and many more.

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571304	**9w**	G13	3000K	120-277V	1300lm	Opal	604mm
AL571305			4000K	120-277V	1350lm	Opal	604mm
AL571306			5000K	120-277V	1400lm	Opal	604mm
AL571307			6500K	120-277V	1400lm	Opal	604mm
AL571308	**9w**	G13	3000K	120-277V	1350lm	Clear	604mm
AL571309			4000K	120-277V	1400lm	Clear	604mm
AL571310			5000K	120-277V	1450lm	Clear	604mm
AL571311			6500K	120-277V	1450lm	Clear	604mm
AL571215	**14w**	G13	3000K	120-277V	1850lm	Opal	1213.6mm
AL571216			4000K	120-277V	1950lm	Opal	1213.6mm
AL571217			5000K	120-277V	2050lm	Opal	1213.6mm
AL571218			6500K	120-277V	2050lm	Opal	1213.6mm
AL571205	**14w**	G13	3000K	120-277V	1950lm	Clear	1213.6mm
AL571219			4000K	120-277V	2050lm	Clear	1213.6mm
AL571220			5000K	120-277V	2150lm	Clear	1213.6mm
AL571221			6500K	120-277V	2150lm	Clear	1213.6mm

Notes

- No DLC for 6500K
- Clear Diffuser (not PET coated)
- Lumen tolerance up to 7%
- Length of tube with pins
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

WITH BALLAST (Direct Replacement Mode):
- Power: The wattage of the lamp represents power consumption of the lamp itself. (this will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption
- Data is based on Ballast Factor 0.88 and the ballast compatibility list attached
- TWO END POWER

WITHOUT BALLAST (Retrofit "Bypass" Mode):
- One & Two end power both workable. See marked side on tube before installing
- THD <20%
- PF ≥ 0.90
- See wiring diagram

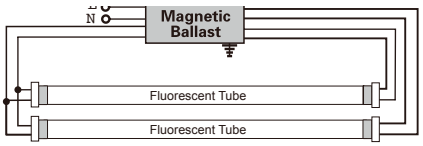
Packing information

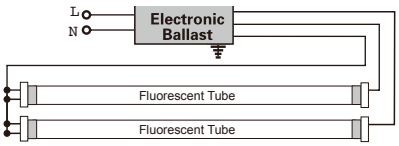
Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
9w PETG SMART™	0.0234	25	65 x 19 x 19	4
15w PETG SMART™	0.0462	25	128 x 19 x 19	7.5

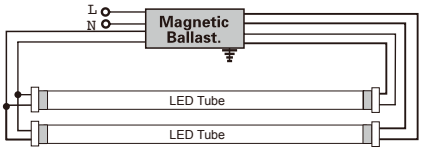
Direct Replacement Mode

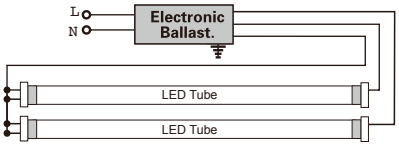
1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.





4. Put LED tube into the lighting fixture.





5. Install the LED tubes, close the diffuser.
6. Turn on the power.

If a ballast does not work properly (eg. causes flickeing, noise or fails to operate). please refer to “Bypass” mode below

WARNING: When using the SMART™ LED tubes in fixtures with ballasts (as a retrofit), it is important that the ballast is in good working condition. If the remaining power output of the ballast is less than the power of the tubes, they will not turn on. If the ballast is no longer working (“dead ballast”) the tubes will also not work. A ballast that is already failing to work in full power is not recommended to leave in the fixture, it could damage the tubes. It should be removed and “bypass” the connection (please see chart below for bypass reconnection).

Bypass Mode

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Cut the wires shown as the diagram below Fig.1.
5. Rewire as the diagram below Fig. 2.1, Fig 2.2.
6. Install the LED tubes, close the diffuser.
7. Turn on power

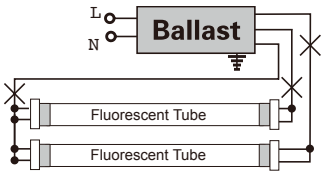


Fig 1

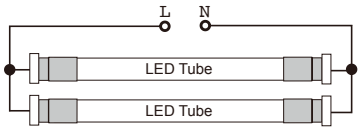


Fig 2.1

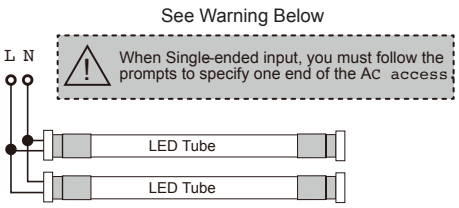


Fig 2.2

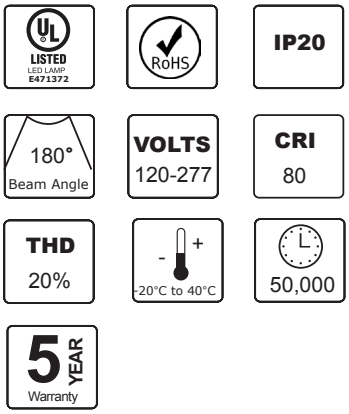
WARNING: When connecting PETG Smart LED tube to a one-side powered fixture, if the tube is installed by mistake with the L/N side to the non-powered side, the protection fuse on opposite side will burn. By inverting the tube to the correct L/N position in the fixture, the tube will work, but with the fuse burnt, this tube will no longer work in Bypass mode two-end power fixture. It will keep working if installed in a Ballast-mode two-side powered fixture (direct replacement).

CAUTION:

- CAUTION-RISK OF FIRE-IF THE OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC) IMMEDIATELY TURN OFF POWER AND REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.
- WARNING-DO NOT INSTALL THIS LAMP IN A PREHEATED LUMINAIRE, SUITABLE FOR USE IN DRY OR DAMP LOCATION, USE WITH OUT DIFFUSER.
- CAUTION- IF LAMP DOES NOT LIGHT WHEN LUMINAIRE IS ENERGIZED, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANU FACTURER OR QUALIFIED ELECTRICIAN. THESE DEVICES ARE NOT INTENDED FOR USE WITH EMERGENCY EXIT FIXTURES.
- DO NOT MAKE MASS INSTALLATION BEFORE SAMPLE TESTING.

GSD Series

Dual modeT8 LED SMD Tube



Americanlite® GS Series LED tube offers dual-purpose functionality that will allow this tube to operate as a direct replacement with magnetic or electronic ballast as well as in a standard application without the ballast.

Glass housing provides excellent transparency and thermal conductivity. Since the tube can be energized on one end or on both ends, when ballast fails, “bypass” wiring, no need to rewire lamp holders. (see page 5 for wiring diagram and back of catalog for ballast compatibility list).

Can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals, schools and many more.

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL671300	**12w**	G13	3000K	120-277V	1650m	Opal	1213.6mm
AL671301	**12w**	G13	4000K	120-277V	1800m	Opal	1213.6mm
AL671302	**12w**	G13	5000K	120-277V	1800m	Opal	1213.6mm
AL671303	**12w**	G13	6500K	120-277V	1800m	Opal	1213.6mm
AL671304	**12w**	G13	3000K	120-277V	1650m	Opal	1213.6mm
AL671305	**12w**	G13	4000K	120-277V	1800m	Clear	1213.6mm
AL671306	**12w**	G13	5000K	120-277V	1800m	Clear	1213.6mm
AL671307	**12w**	G13	6500K	120-277V	1800m	Clear	1213.6mm
AL671308	**18w**	G13	3000K	120-277V	2115m	Opal	1213.6mm
AL671309	**18w**	G13	4000K	120-277V	2300m	Opal	1213.6mm
AL671310	**18w**	G13	5000K	120-277V	2300m	Opal	1213.6mm
AL671311	**18w**	G13	6500K	120-277V	2300m	Opal	1213.6mm
AL671312	**18w**	G13	3000K	120-277V	2115m	Clear	1213.6mm
AL671313	**18w**	G13	4000K	120-277V	2300m	Clear	1213.6mm
AL671314	**18w**	G13	5000K	120-277V	2300m	Clear	1213.6mm
AL671315	**18w**	G13	6500K	120-277V	2300m	Clear	1213.6mm
AL571384	**18w**	G13	3000K	120-277V	1800lm	Opal	1213.6mm
AL571385	**18w**	G13	4000K	120-277V	1800lm	Opal	1213.6mm
AL571386	**18w**	G13	5000K	120-277V	1900lm	Opal	1213.6mm
AL571387	**18w**	G13	6500K	120-277V	1900lm	Opal	1213.6mm
AL571388	**18w**	G13	3000K	120-277V	1800lm	Clear	1213.6mm
AL571389	**18w**	G13	4000K	120-277V	1800lm	Clear	1213.6mm
AL571390	**18w**	G13	5000K	120-277V	1900lm	Clear	1213.6mm
AL571391	**18w**	G13	6500K	120-277V	1900lm	Clear	1213.6mm

Notes

- Beam angle 180° for Opal Tube
  120° for Clear Tube
- Lumen tolerance up to 7%
- Length of tube with pins
- Recommended use per day 12 hours in ambient temp of -20°C-40°C otherwise it may result in shorter lifetime of the product.

WITH BALLAST (Direct Replacement Mode):
- Power consumption = 18w from the tube + ballast consumption (this will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption
- Data is based on Ballast Factor 0.88 and the ballast compatibility list attached
- TWO END POWER

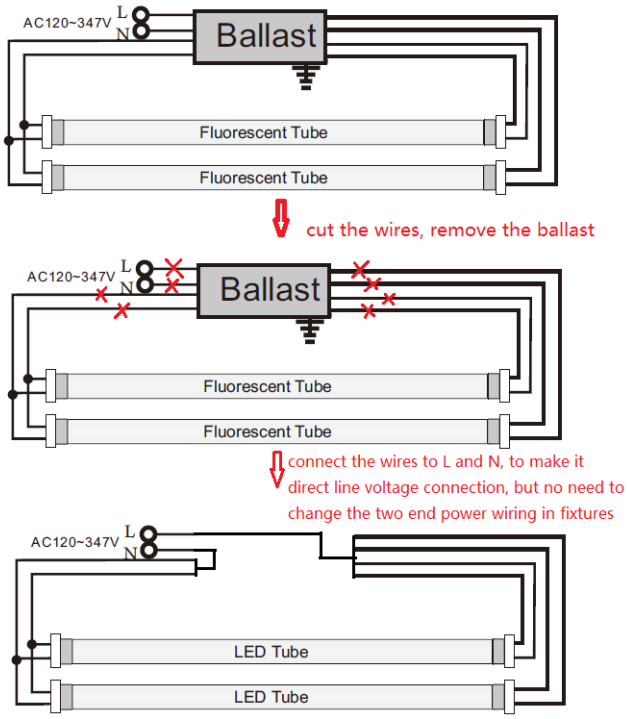
WITHOUT BALLAST (Retrofit “Bypass” Mode):
- Power consumption = 18w
- ONE OR TWO END POWER
- THD <20%
- PF ≥ 0.90
- See wiring diagram

Packing information

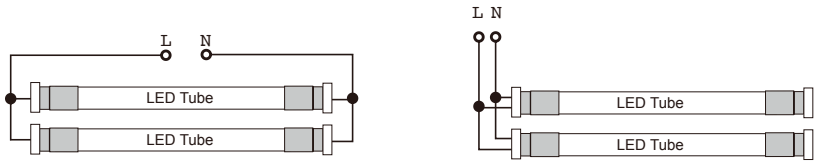
Foam packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
12/w18w	0.0495	25	123.5 x17 x 18	5.6

When using the SMART™ LED tubes in fixtures with ballasts (as a retrofit), it is important that the ballast is in good working condition. If the remaining power output of the ballast is less than the power of the tubes, they will not turn on. If the ballast is no longer working (“dead ballast”) the tubes will also not work. A ballast that is already failing to work in full power is not recommended to leave in the fixture, it could damage the tubes. It should be removed and “bypass” the connection.



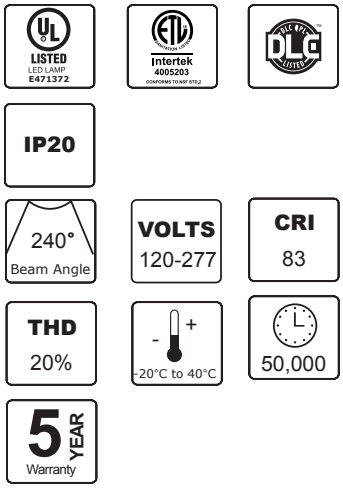
For use without ballast, both one and two end power installation can be used:



Full PC SMART™

Dual mode T8 U LED SMD Tube

SUPERBRITE®



Americanlite® offers the first patented SMART™technology LED tube. Its dual-purpose functionality will allow this tube to operate as a Direct Replacement with instant start electronic ballast as well as in Bypass mode (without the ballast)*. Tube complies with NSF-2 Standard (safe for food industry)

Can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals, schools and many more.

Works with or without ballast (see back of catalog for compatibilty list)

* See specific wiring instructions before installing (see page 9 for wiring diagrams)

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571207	**15w**	G13	3000K	120-277V	2000lm	Opal	152x573mm
AL571238			4000K	120-277V	2000lm	Opal	152x573mm
AL571239			5000K	120-277V	2200lm	Opal	152x573mm
AL571240			6500K	120-277V	2200lm	Opal	152x573mm

Notes

- No DLC for 6500K
- Lumen tolerance up to 7%
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

WITH BALLAST (Direct Replacement Mode):
- Power consumption = 15w from the tube + ballast consumption (this will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption
- Data is based on Ballast Factor 0.88 and the ballast compatibility list attached
- TWO END POWER

WITHOUT BALLAST (Retrofit "Bypass" Mode):
- Power consumption = 18w
- ONE END POWER (check marked side on tube before installing)
- THD <20%
- PF ≥ 0.90
- See wiring diagram

Packing information

Box packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
U Shape SMART™	0.0960	24	62 X 40 X 38.5	7.5

americanlite®

Hybrid Series
U Shape Led Lamp

IMPORTANT SAFETY INSTRUCTIONS

DANGER - RISK OF SHOCK-DISCONNECT POWER BEFORE INSTALLATION.
The retrofit kits including LED lamp, instruction, field-applied label.
The LEDT8 U-Bend intended to retrofit type Non-IC or type IC recessed mounted fluorescent luminaries with diffuser that use straight tubular. The products intended to be used in dry and damp locations.

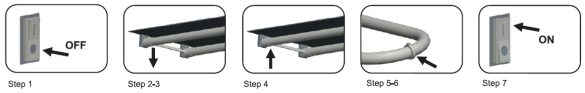
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.
WARNING - Risk of fire or electric shock. The electrical rating of these products are 120-277Vac, the installer must determine whether they have 120-277Vac at the luminaire before installation.
WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
WARNING - Risk of fire or electric shock. Install this kit only in the luminaires that has the construction features and dimensions shown in the photographs and/or drawings.
WARNING - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
WARNING: To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lampholders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts.
Instant-start ballasts can be identified by the words “Instant Start” or “I.S.” marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/IS. For more information, contact the LED luminaire retrofit kit manufacturer.
Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors.

DO NOT USE WITH DIMMERS.
RISK OF ELECTRIC SHOCK – USE IN DRY AND DAMP LOCATION ONLY
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS

This Lamp, is compatible to IS (instant-start) Electronic Ballast only; and also can work with line voltage AC 120-277V directly.

Direct replacement Electronic Ballast:

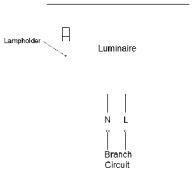
INSTRUCTIONS



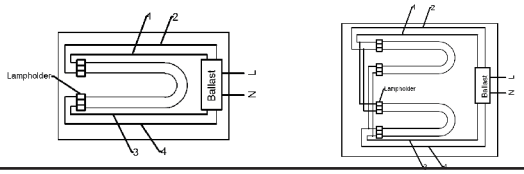
STEP 1: Switch-off power to the luminaire.
STEP 2: Remove diffuser (if provided).
STEP 3: Remove the existing fluorescent lamps from the luminaire.
STEP 4: Install the LED T8 U-Bend replacement lamp.
STEP 5: Ensuring pins are firmly seated in the lampholders.
STEP 6: Replace diffuser (if removed in step 2).
STEP 7: Switch on power to the luminaire.

Retrofit fluorescent luminaire with electric ballast:

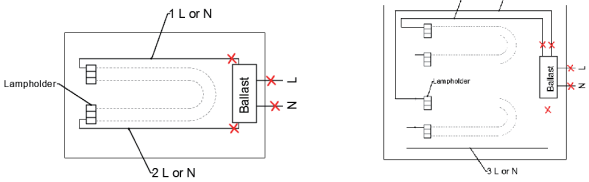
STEP 1: Shut off power before work.
STEP 2: Remove existing fluorescent lamp(s), diffuser (if applicable) and open the ballast cover.
STEP 3: Disconnect luminaire supply wirings L and N to branch circuit as shown in Fig.1



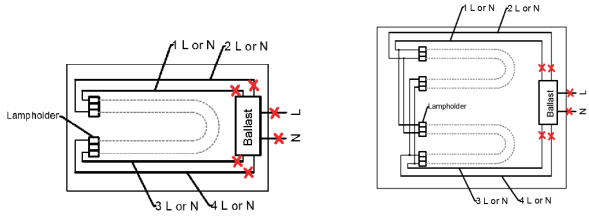
STEP 4: Original circuit as shown in Fig.2. Cut lampholder leads “1, 2, 3, 4, L, N”, then check whether the lampholder is shunted.
Fig.2.



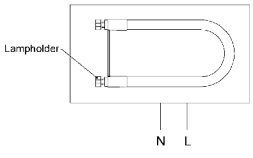
STEP 5: If the lampholder is not shunted, go to Step 6. If the lampholder is shunted, connect one lead from each lampholder to branch circuit as follows, “Leads 3 and 4” connected to L; “Leads 1 and 2” connected to N as shown in Fig. 2A. Cut as far away from the lampholders to allow for longer lengths of wire at both lampholders. Note: Ballast must be retained in place.
Fig.2A



STEP 6: Connect any two of the leads to “L” and “N” as shown in Fig. 2B. Cut as far away from the lampholders to allow for longer lengths of wire at both lampholders. Note: Ballast must be retained in place
Fig.2B



STEP 7: Attach the field applied label to the luminaire. Install ballast cover and diffuser(if applicable) back on Luminaire, and T8 LED tube as shown in Fig. 3.
Fig.3



STEP 8: Turn on the AC power source, LED Tube will light.

Retrofit fluorescent luminaire with separate starter and magnetic ballast.

Repeat Steps 1 to 3.

STEP4: Original circuit as shown in Fig.3. Cut lampholder leads “1, 2, 3, 4”, Connect any two of the leads to “L” and “N” as shown in Fig. 4A. Cut as far away from the lampholders to allow for longer lengths of wire at both lampholders. Note: Starter and ballast must be retained in place.

Fig.4

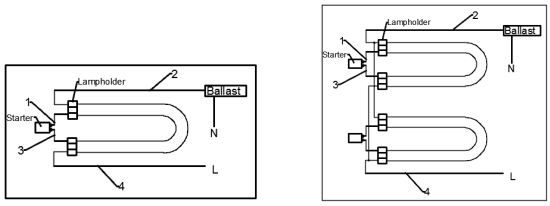
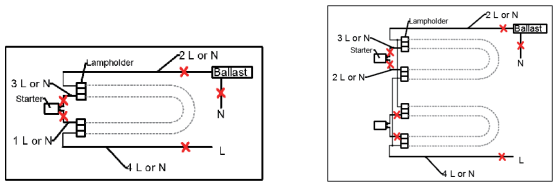


Fig.4A



Repeat Steps 7 and 8.

PETG Smart Bypass

T8 LED SMD Tube

Americanlite® offer a premium quality UL-DLC LED Tubes can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals,-schools and many more.

- PET coated-glass housing
- 70% energy savings compared to traditional fluorescent tubes
- Environment friendly, no mercury or any other hazardous materials
- Powered on one end, Optional “Smart” two end power
- Complies with NSF-2 Standard (safe for food industry)
- **Does not work with ballast**

CLASSIFIED UL LED LAMP E363994 | intertek | DLC PREMIUM LISTED | RoHS | IP20 | 240° Beam Angle | VOLTS 120-277 | CRI 83 | THD 20% | PF >0.90 | -20°C to 40°C | 50,000 | 5 YEAR Warranty

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571380	**7w**	G13	3000K	120-277V	700lm	Opal	457mm
AL571381			4000K	120-277V	770lm	Opal	457mm
AL571382			5000K	120-277V	770lm	Opal	457mm
AL571383			6500K	120-277V	770lm	Opal	457mm
AL571343	**9w**	G13	3000K	120-277V	1000lm	Opal	604mm
AL571344			4000K	120-277V	1050lm	Opal	604mm
AL571345			5000K	120-277V	1100lm	Opal	604mm
AL571346			6500K	120-277V	1100lm	Opal	604mm
AL571347	**12.5w**	G13	3000K	120-277V	1650lm	Opal	1213.6mm
AL571348			4000K	120-277V	1700lm	Opal	1213.6mm
AL571349			5000K	120-277V	1800lm	Opal	1213.6mm
AL571350			6500K	120-277V	1800lm	Opal	1213.6mm
AL571351	**15w**	G13	3000K	120-277V	1800lm	Opal	1213.6mm
AL571352			4000K	120-277V	1900lm	Opal	1213.6mm
AL571353			5000K	120-277V	2000lm	Opal	1213.6mm
AL571354			6500K	120-277V	2000lm	Opal	1213.6mm
AL571355	**16.5w**	G13	3000K	120-277V	2100lm	Opal	1213.6mm
AL571356			4000K	120-277V	2300lm	Opal	1213.6mm
AL571357			5000K	120-277V	2400lm	Opal	1213.6mm
AL571357			6500K	120-277V	2400lm	Opal	1213.6mm
AL571359	**18w**	G13	3000K	120-277V	2100lm	Opal	1213.6mm
AL571360			4000K	120-277V	2150lm	Opal	1213.6mm
AL571361			5000K	120-277V	2200lm	Opal	1213.6mm
AL571362			6500K	120-277V	2200lm	Opal	1213.6mm
AL571363	**18.5w**	G13	3000K	120-277V	2400lm	Opal	1213.6mm
AL571364			4000K	120-277V	2500lm	Opal	1213.6mm
AL571365			5000K	120-277V	2600lm	Opal	1213.6mm
AL571366			6500K	120-277V	2600lm	Opal	1213.6mm
AL571339	***26w**	G13	3000K	120-277V	3350lm	Opal	1213.6mm
AL571340			4000K	120-277V	3500lm	Opal	1213.6mm
AL571341			5000K	120-277V	3500lm	Opal	1213.6mm
AL571342			6500K	120-277V	3500lm	Opal	1213.6mm

Notes

- No DLC for 6500K
- Lumen tolerance up to 7%
- Length of tube with pins
- For “Smart” 2 end power, add “B” after item code
- *26w: Only one end power
- Does not work with ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
9w	0.0234	25	65 x 19 x 19	5.8
12.5w / 15w /16.5w / 18w / 18.5w	0.0462	25	128 x 19 x 19	7.5

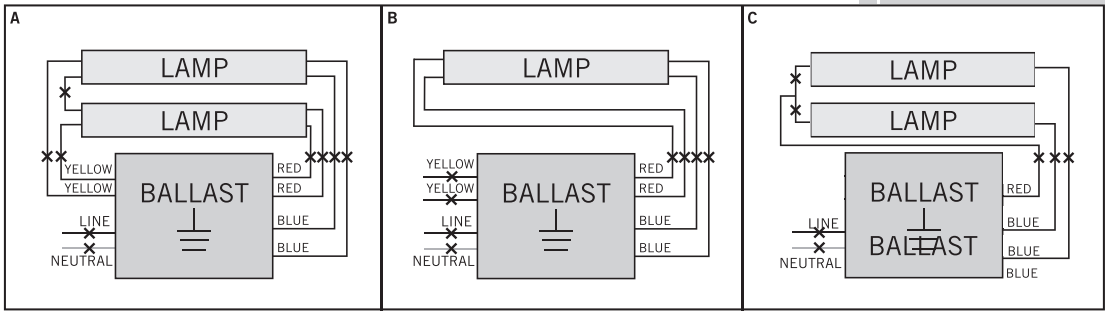
Instructions for Double-Ended Wiring Installation

Removing Existing Fluorescent System

1. Disconnect power from fixture.
2. Remove fluorescent lamp(s).
3. Remove lens and wiring compartment, if applicable.
4. Cut all wires connected to the ballast as shown in Diagrams A, B, and C.
5. Identify what type of lampholders are in fixture. Double-Ended wiring installations of tubes can be used with shunted G13 or nonshunted G13 lampholders (with instructions to externally shunt). See Figures 1 and 2.

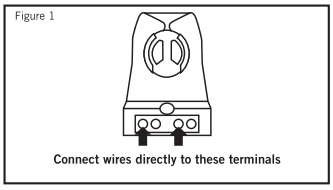
Typical Ballast Configurations

× Indicates Where to Cut Existing Wiring

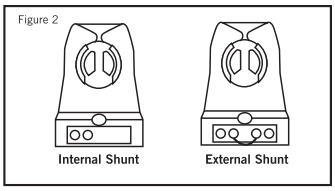


CAUTION: Use only non-shunted lampholders for Single-Ended wiring installations. Do not perform Single-Ended wiring installation of product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the existing lampholders are shunted, and Single-Ended wiring is desired, remove in and replace them with non-shunted lampholders (or remove the external shunt if applicable). Make new connections directly to lampholder terminals as shown in Figure 1 below.

Typical Non-Shunted Lampholder



Typical Shunted Lampholders

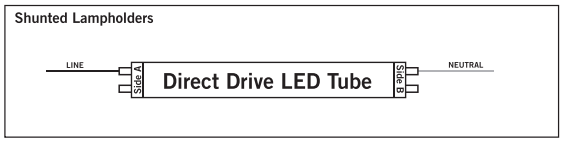


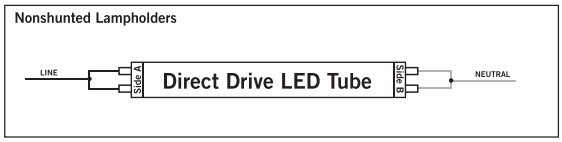
Installing the Lamps

I. Confirm that power is still disconnected from fixture.
II. Make sure fixture is properly grounded.
III. Follow step 1 for single lamp application or steps 2 & 3 for multiple lamp application, based on the number of lamps in the fixture:

Single Lamp

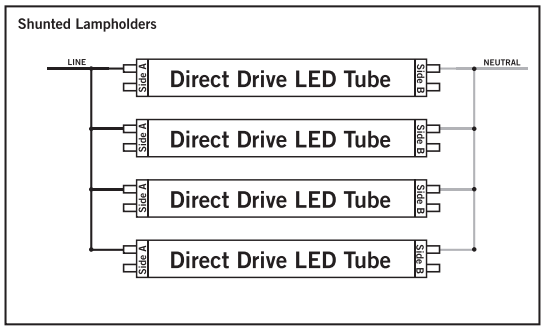
1. From AC wires, connect line (L) to Side A lampholder and neutral (N) to Side B lampholder. If only one lamp is being installed, proceed to step 4.

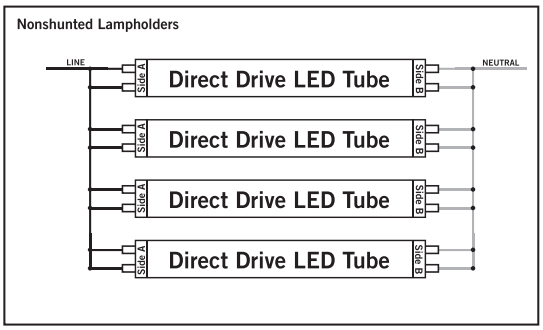




Multiple Lamps

2. Follow the steps above for single lamp connection to connect the first lamp.
3. Connect the terminals from the first lamp to the matching terminals on the lampholder of the second lamp with line and neutral wires as shown below. Continue daisy-chain connection for each additional lamp.





4. Complete all electrical connections with appropriate connectors/wire nuts as needed, per all local and national electrical codes.
   NOTE: There should not be any exposed wires from sockets left unconnected.
5. Replace wiring compartment cover.
6. Install all of the tubes. Install LED tubes so that the LEDs are pointed in the proper direction for illumination, and install any lens or diffuser as applicable.
7. Apply power to fixture and check for illumination.

PETG Bypass

FA8 T8 LED SMD Tube

IP20

240° Beam Angle

VOLTS 120-277

CRI 83

THD 20%

PF >0.90

-20°C to 40°C

50,000

5 YEAR Warranty

Americanlite® offer a premium quality UL LED Tubes can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals,schools and many more.

- PET coated-glass housing
- 70% energy savings compared to traditional fluorescent tubes
- Environment friendly, no mercury or any other hazardous materials
- Powered on two ends
- Complies with NSF-2 Standard (safe for food industry)
- **Does not work with ballast**

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571292	**36w**	FA8	3000K	120-277V	4000lm	Opal	2387.6mm
AL571293			4000K	120-277V	4400lm	Opal	2387.6mm
AL571294			5000K	120-277V	4500lm	Opal	2387.6mm
AL571295			6500K	120-277V	4600lm	Opal	2387.6mm
AL571335	**42w**	FA8	3000K	120-277V	5300lm	Opal	2387.6mm
AL571336			4000K	120-277V	5400lm	Opal	2387.6mm
AL571337			5000K	120-277V	5500lm	Opal	2387.6mm
AL571338			6500K	120-277V	5600lm	Opal	2387.6mm

- Clear diffuser, add “C” at end of model # (Clear diffuser does not comply with NSF-2)
- R17D add “R” at end of model #

Notes

- Lumen tolerance up to 7%
- Length of tube with pin
- Does not work with ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

Packing information

Square rigid box packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
36w / 42w PETG Bypass	0.0626	16	245 x 15.5 x 16.5	16.2

PETG 0-10V Dimmable Bypass

T8 LED SMD Tube

IP20

DIM 0-10V

240° Beam Angle

320° Field Angle

VOLTS 120-277

CRI 83

THD 20%

PF >0.90

-20°C to 40°C

50,000

5 YEAR Warranty

Americanlite® offer a premium quality UL-DLC LED Dimmable Tubes can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals,schools and many more.

- PET coated-glass housing
- 70% energy savings compared to traditional fluorescent tubes
- Environment friendly, no mercury or any other hazardous materials
- Powered on one end
- Complies with NSF-2 Standard (safe for food industry)
- The minimum level still provides 10% of max lumen, consider it 1-10V dimming with 0-10V dimmer.

- **Does not work with ballast**

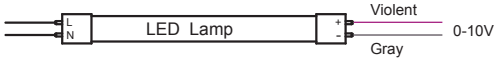
Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL573118	7w	G13	3000K	100-277V	900lm	Opal	604mm
AL573119	7w	G13	4000K	100-277V	100lm	Opal	604mm
AL573120	7w	G13	5000K	100-277V	1000lm	Opal	604mm
AL573121	12w	G13	3000K	100-277V	1450lm	Opal	909mm
AL573122	12w	G13	4000K	100-277V	1500lm	Opal	909mm
AL573123	12w	G13	5000K	100-277V	1500lm	Opal	909mm
AL573124	9.5w	G13	3000K	100-277V	1600lm	Opal	1213.6mm
AL573125	9.5w	G13	4000K	100-277V	1625lm	Opal	1213.6mm
AL573126	9.5w	G13	5000K	100-277V	1650lm	Opal	1213.6mm
AL573127	9.8w	G13	3000K	100-277V	1600lm	Opal	1213.6mm
AL573128	9.8w	G13	4000K	100-277V	1700lm	Opal	1213.6mm
AL573129	9.8w	G13	5000K	100-277V	1700lm	Opal	1213.6mm
AL573130	11.5w	G13	3000K	100-277V	1650lm	Opal	1213.6mm
AL573131	11.5w	G13	4000K	100-277V	1800lm	Opal	1213.6mm
AL573132	11.5w	G13	5000K	100-277V	1800lm	Opal	1213.6mm
AL573133	12.5w	G13	3000K	100-277V	1700lm	Opal	1213.6mm
AL573134	12.5w	G13	4000K	100-277V	1800lm	Opal	1213.6mm
AL573135	12.5w	G13	5000K	100-277V	1800lm	Opal	1213.6mm
AL573136	15w	G13	3000K	100-277V	2000lm	Opal	1213.6mm
AL573137	15w	G13	4000K	100-277V	2200lm	Opal	1213.6mm
AL573138	15w	G13	5000K	100-277V	2200lm	Opal	1213.6mm
AL573139	17.5w	G13	3000K	100-277V	2300lm	Opal	1213.6mm
AL573140	17.5w	G13	4000K	100-277V	2500lm	Opal	1213.6mm
AL573141	17.5w	G13	5000K	100-277V	2500lm	Opal	1213.6mm

Notes

- Lumen tolerance up to 7%
- Length of tube with pin
- Dim: 0-10V lamp will not completely turn off, remains at 10%
- Does not work with ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

Wiring diagram



Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
2'	0.0117	25	65 x 16.5 x 16.5	3
3'	0.0266	25	95 x 16.5 x 17	5
4'	0.0356	25	127 x 16.5 x 17	6.5

PETG Direct Replacement

FA8 T8 LED SMD tube

IP20

240° Beam Angle

VOLTS 120-277

CRI 83

THD 20%

-20°C to 40°C

50,000

5 YEAR Warranty

Americanlite® UL Direct Replacement LED tubes work with most popular instant-start ballasts, does not require an electrical rewiring to install, which simplifies and lowers the installation cost, just plug in and turn on.

PET coated-glass housing provides excellent transparency as well as shatterproof protection. (safe for food industry)

- Compatible with most brands of electronic ballasts (see back of catalog for ballast compatibility list)
- Replace fluorescent tube when power is off without changing the current ballast
- Color temperature 4000K, 5000K and 6500K*
- Eco-Friendly, no UV or RF interference, no mercury, no noise
- Complies with NSF-2 Standard (safe for food industry)
- Powered on 2 ends
- **Does not work without ballast**

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571312	**36w**	FA8	3000K	120-277V	4000lm	Opal	2387.6mm
AL571313			4000K	120-277V	4220lm	Opal	2387.6mm
AL571314			5000K	120-277V	4300lm	Opal	2387.6mm
AL571315			6500K	120-277V	4300lm	Opal	2387.6mm

For Clear diffuser, add “C” at end of model #. (Clear diffuser does not comply with NSF-2)

Notes

- Lumen tolerance up to 7%
- Length of tube with pin
- Does not work without ballast
- Recommended use per day 24/7 in ambient temp of 25°C . In temps >25° may result in shorter lifetime of the product.
- Power consumption = watts from the tube + ballast consumption (This will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption.

Americanlite® LED direct replacement tubes can only work with instant electronic ballast, not suitable for direct line connection.

Packing information

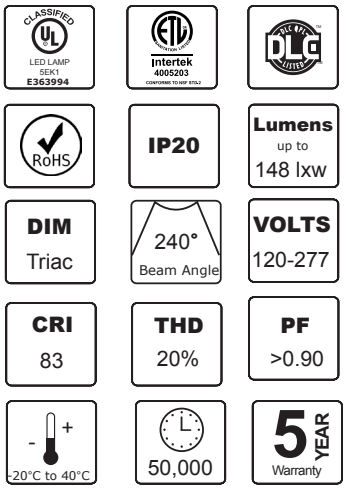
Square rigid box packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
36w PETG Bypass	0.1719	16	245 x 26 x 27	16.38

PETG Smart Bypass

T5 LED SMD Tube

SUPERBRITE®



Americanlite® offer a premium quality UL-DLC LED Tubes can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals,-schools and many more.

- PET coated-glass housing
- G5 Base T6 Tube
- 70% energy savings compared to traditional fluorescent tubes
- Environment friendly, no mercury or any other hazardous materials
- Powered on one or two ends
- Complies with NSF-2 Standard (safe for food industry)

- **Dimming function only applicable in two end power and 120V**
- **Does not work with ballast**

Ordering information

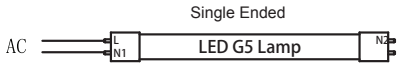
Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571280	**13w**	G5	3000K	120-277V	1600lm	Opal	1163mm
AL571281			4000K	120-277V	1650lm	Opal	1163mm
AL571282			5000K	120-277V	1650lm	Opal	1163mm
AL571283			6500K	120-277V	1700lm	Opal	1163mm
AL571288	**25w**	G5	3000K	120-277V	3300lm	Opal	1163mm
AL571289			4000K	120-277V	3500lm	Opal	1163mm
AL571290			5000K	120-277V	3500lm	Opal	1163mm
AL571291			6500K	120-277V	3400lm	Opal	1163mm
AL571392	**25w***	G5	3000K	120-277V	3700lm	Opal	1163mm
AL571393			4000K	120-277V	3900lm	Opal	1163mm
AL571394			5000K	120-277V	3900lm	Opal	1163mm
AL571395			6500K	120-277V	3900lm	Opal	1163mm

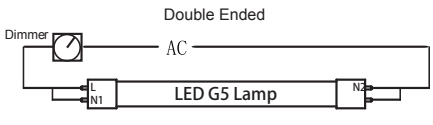
Notes

- No DLC for 6500K
- 25w NO DLC*
- Lumen tolerance up to 7%
- Lumens based on DLC Reports
- Length of tube with pin

- Dimming function only applicable in two end power and 120V
- Does not work with ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

Wiring diagrams





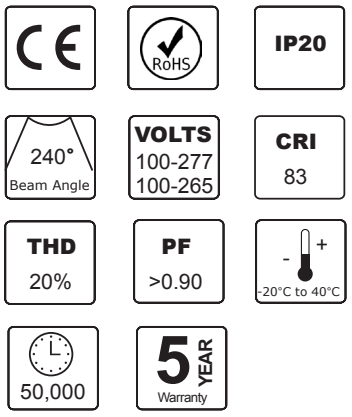
Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
13w / 25w	0.0216	25	122.3 x 13.3 x 13.3	7.5

PETG Bypass

T5 LED SMD Tube



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- PET coated-glass housing
- 70% energy savings compared to traditional fluorescent tubes
- Environment friendly, no mercury or any other hazardous materials
- Powered on one end
- Complies with NSF-2 Standard (safe for food industry)
- For double end power add “B” at the end of the part # (No CE)

- **Does not work with ballast**

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL573092	**20w**	G5	3000K	100-277V	2850lm	Opal	1163mm
AL573093			4000K	100-277V	2900lm	Opal	1163mm
AL573094			5000K	100-277V	3000lm	Opal	1163mm
AL573095			6500K	100-277V	3000lm	Opal	1163mm
AL573096	**26w**	G5	3000K	100-277V	3850lm	Opal	1163mm
AL573097			4000K	100-277V	3900lm	Opal	1163mm
AL573098			5000K	100-277V	3900lm	Opal	1163mm
AL573099			6500K	100-277V	4000lm	Opal	1163mm
AL573088	**26w**	G5	3000K	100-265V	3550lm	Opal	1463mm
AL573089			4000K	100-265V	3550lm	Opal	1463mm
AL573090			5000K	100-265V	3650lm	Opal	1463mm
AL573091			6500K	100-265V	3650lm	Opal	1463mm

Notes

- Lumen tolerance up to 7%
- Length of tube with pin

- Does not work with ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

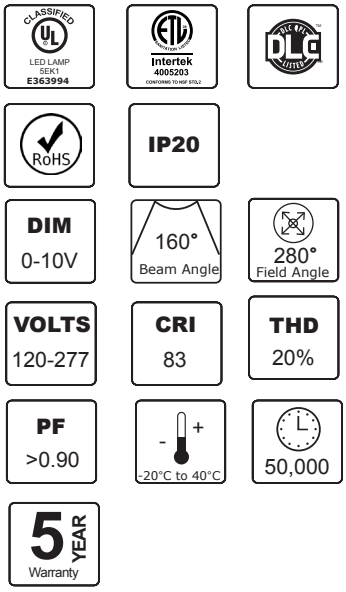
Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
4’ 20w / 26w	0.0235	25	120 x 14 x 14	8.6
5’ 26w	0.0278	25	153 x 13.5 x 15.5	8.6

PETG 0-10V Dimmable Bypass

T5 LED SMD Tube



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- PET coated-glass housing
- G5 Base T6 Tube
- 70% energy savings compared to traditional fluorescent tubes
- Environment friendly, no mercury or any other hazardous materials
- Powered on one end
- Complies with NSF-2 Standard (safe for food industry)
- The minimum level still provides 10% of max lumen, consider it 1-10V dimming with 0-10V dimmer.

- **Does not work with ballast**

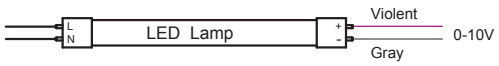
Ordering information

	Model	W	T5 Fluorescent Equivalent	Base	CCT	Input Voltage	Lumens	Diffuser	Length
High Efficiency	AL583100	**9w**	14w	G5	3000K	120-277V	1100lm	Opal	563mm
	AL583101	**9w**	14w	G5	4000K	120-277V	1200lm	Opal	563mm
	AL583102	**9w**	14w	G5	5000K	120-277V	1200lm	Opal	563mm
	AL583103	**12w**	21w	G5	3000K	120-277V	1500lm	Opal	863mm
	AL583104	**12w**	21w	G5	4000K	120-277V	1600lm	Opal	863mm
	AL583105	**12w**	21w	G5	5000K	120-277V	1600lm	Opal	863mm
	AL583101	**13w**	28w	G5	3000K	120-277V	1600lm	Opal	1163mm
	AL583107	**13w**	28w	G5	4000K	120-277V	1700lm	Opal	1163mm
	AL583108	**13w**	28w	G5	5000K	120-277V	1700lm	Opal	1163mm
High Output	AL583109	**12w**	24w	G5	3000K	120-277V	1500lm	Opal	563mm
	AL583110	**12w**	24w	G5	4000K	120-277V	1600lm	Opal	563mm
	AL583111	**12w**	24w	G5	5000K	120-277V	1600lm	Opal	563mm
	AL583112	**16w**	39w	G5	3000K	120-277V	2000lm	Opal	863mm
	AL583113	**16w**	39w	G5	4000K	120-277V	2100lm	Opal	863mm
	AL583114	**16w**	39w	G5	5000K	120-277V	2100lm	Opal	863mm
	AL583115	**25w**	54w	G5	3000K	120-277V	3300lm	Opal	1163mm
	AL583116	**25w**	54w	G5	4000K	120-277V	3500lm	Opal	1163mm
	AL583117	**25w**	54w	G5	5000K	120-277V	3500lm	Opal	1163mm

Notes

- Lumen tolerance up to 7%
- Length of tube with pin
- Dim: 0-10V lamp will not completely turn off, remains at 10%
- Does not work with ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

Wiring diagram



Packing information

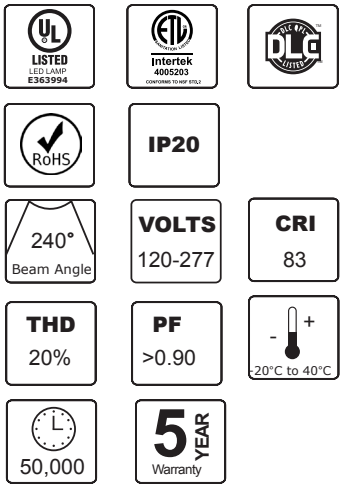
Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
2'	0.0113	25	60 x 13.5 x 14	3.2
3'	0.0170	25	90 x 13.5 x 14	4.5
4'	0.0226	25	120 x 13.5 x 14	5.8

Full PC Bypass

T8 U LED SMD Tube

SUPERBRITE®



Americanlite® offer a premium quality UL-DLC LED Tubes can be widely used for various commercial and residential lighting applications, such as offices, shopping malls, parking lots, hotels, restaurants, hospitals, schools and many more.

- Full PC housing
- 70% energy savings compared to traditional fluorescent tubes
- Environment friendly, no mercury or any other hazardous materials
- Powered on one end

- **Does not work with ballast**

Ordering information

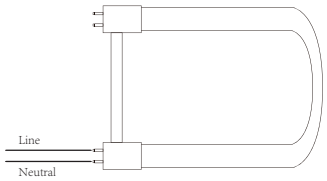
Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571206	**15.5w**	G13	3000K	120-277V	1850lm	Opal	152x573mm
AL571241			4000K	120-277V	1850lm	Opal	152x573mm
AL571242			5000K	120-277V	1900lm	Opal	152x573mm
AL571243			6500K*	120-277V	1900lm	Opal	152x573mm

Notes

- No DLC for 6500K
- Lumen tolerance up to 7%

- Does not work with ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

Wireing diagram



Packing information

Box packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
U Shape Bypass	0.0960	24	62 X 40 X 38.5	7.5

PETG Direct Replacement

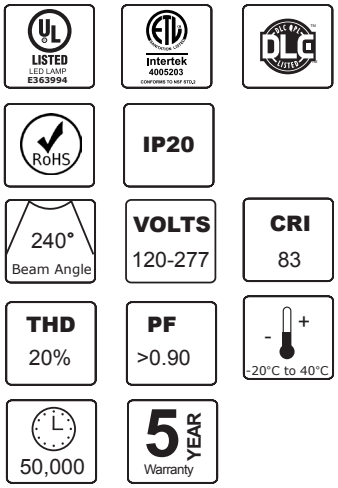
T8 LED SMD Tube

SUPERBRITE®

Americanlite® UL Direct Replacement LED tubes work with most popular instant-start ballasts, does not require an electrical rewiring to install, which simplifies and lowers the installation cost, just plug in and turn on.

PET coated-glass housing provides excellent transparency as well as shatterproof protection. (safe for food industry)

- Compatible with most brands of electronic ballasts (see back of catalog for ballast compatibility list)
- Replace fluorescent tube when power is off without changing the current ballast
- Color temperature 3000K, 4000K, 5000K and 6500K*
- Eco-Friendly, no UV or RF interference, no mercury, no noise
- Complies with NSF-2 Standard (safe for food industry)
- Lumens declared based on ballast factor 0.80
- Powered on 2 ends
- **Does not work without ballast**



Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571316	**9w**	G13	3000K	120-277V	1250lm	Opal	604mm
AL571317			4000K	120-277V	1300lm	Opal	604mm
AL571318			5000K	120-277V	1300lm	Opal	604mm
AL571319			6500K	120-277V	1300lm	Opal	604mm
AL571268	**13w**	G13	3000K	120-277V	1800lm	Opal	1213.6mm
AL571269			4000K	120-277V	1850lm	Opal	1213.6mm
AL571270			5000K	120-277V	1900lm	Opal	1213.6mm
AL571271			6500K	120-277V	1900lm	Opal	1213.6mm
AL571272	**15w**	G13	3000K	120-277V	2000lm	Opal	1213.6mm
AL571273			4000K	120-277V	2070lm	Opal	1213.6mm
AL571274			5000K	120-277V	2100lm	Opal	1213.6mm
AL571275			6500K	120-277V	2100lm	Opal	1213.6mm

Notes

- No DLC for 6500K
- Lumen tolerance up to 7%
- Length of tube with pin
- Does not work without ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.
- Power consumption = watts from the tube + ballast consumption (This will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption.
- Americanlite® LED direct replacement tubes can only work with instant electronic ballast, not suitable for direct line connection.

Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
9w	0.0234	25	65 x19 x 19	5.8
13w / 15w	0.0462	25	128 x 19 x 19	7.5

PETG Direct Replacement

T5 LED SMD Tube

Americanlite® UL Direct Replacement LED tubes work with most popular instant-start ballasts, does not require an electrical rewiring to install, which simplifies and lowers the installation cost, just plug in and turn on.

PET coated-glass housing provides excellent transparency as well as shatterproof protection. (safe for food industry)

- Compatible with most brands of electronic ballasts (see back of catalog for ballast compatibility list)
- Replace fluorescent tube when power is off without changing the current ballast
- Color temperature 4000K, 5000K and 6500K*
- Eco-Friendly, no UV or RF interference, no mercury, no noise
- Complies with NSF-2 Standard (safe for food industry)
- Powered on 2 ends

- **Does not work without ballast**

LISTED LED LAMP E363994 | intertek 4005203 | DLC | RoHS | IP20

240° Beam Angle | VOLTS 120-277 | CRI 83

THD 20% | PF >0.90 | -20°C to 40°C

50,000 | 5 YEAR Warranty

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571244	**13w**	G5	3000K	120-277V	1850lm	Opal	1163mm
AL571245	Power consumption (system power)=16w		4000K	120-277V	1850lm	Opal	1163mm
AL571246			5000K	120-277V	1900lm	Opal	1163mm
AL571247			6500K	120-277V	1900lm	Opal	1163mm
AL571224	**25.5w**	G5	3000K	120-277V	3250lm	Opal	1163mm
AL571225	Power consumption (system power)=28.5w		4000K	120-277V	3250lm	Opal	1163mm
AL571226			5000K	120-277V	3300lm	Opal	1163mm
AL571227			6500K	120-277V	3300lm	Opal	1163mm

Notes

- No DLC for 6500K
- Lumen tolerance up to 7%
- Length of tube with pin
- Does not work without ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

- Americanlite® LED retrofit tubes can only work with instant electronic ballast, not suitable for direct line connection.
- Power consumption will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system. Total lumen output of the system may also vary depending on the ballast used and the power consumption.

Packing information

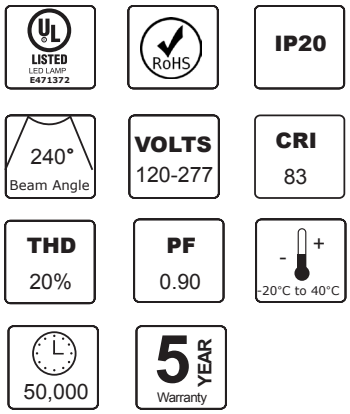
Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
13w and 25w	0.0235	25	120 X 14 X 14	5.2

Full PC Direct Replacement

T8 U LED SMD Tube

SUPERBRITE®



Americanlite® Direct Replacement SMD LED UL tubes work with most popular instant-start ballasts, does not require an electrical rewiring to install, which simplifies and lowers the installation cost, just plug in and turn on.

- Full PC housing
- Compatible with most brands of electronic ballasts (see back of catalog for ballast compatibility list)
- Replace fluorescent tube when power is off without changing the current ballast
- Color temperature 4000K, 5000K and 6500K*
- Eco-Friendly, no UV or RF interference, no mercury, no noise
- Lumens declared based on ballast factor 0.88
- Powered on 2 ends

- **Does not work without ballast**
- **Power consumption may vary depending on ballast**

Ordering information

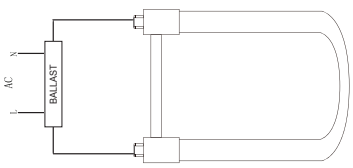
Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571252	**13w**	G13	3000K	120-277V	1850lm	Opal	152x573mm
AL571253			4000K	120-277V	1850lm	Opal	152x573mm
AL571254			5000K	120-277V	1900lm	Opal	152x573mm
AL571255			6500K	120-277V	1900lm	Opal	152x573mm

Notes

- No DLC for 6500K
- Lumen tolerance up to 7%
- Does not work without ballast
- Power consumption may vary depending on ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.

- Power consumption = 13w from the tube + ballast consumption (this will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption.
- Americanlite® LED retrofit tubes can only work with instant electronic ballast, not suitable for direct line connection.

Wiring diagram



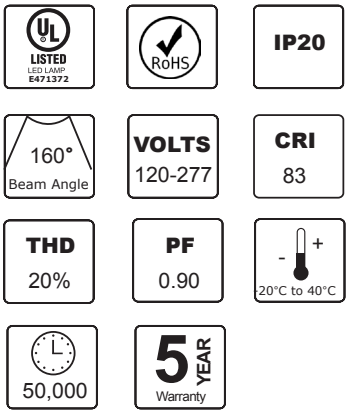
Packing information

Box packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
U Shape Direct Replacement	0.0960	24	62 X 40 X 38.5	7.5

PLL Direct Replacement

LED SMD Tube



Americanlite® Direct Replacement SMD LED UL tubes work with most popular instant-start ballasts, does not require an electrical rewiring to install, which simplifies and lowers the installation cost, just plug in and turn on.

- Compatible with most brands of electronic ballasts
- Replace fluorescent tube when power is off without changing the current ballast, (see ballast compatibility list).
- Color temperature 3000K, 4000K, 5000K and 6500K
- Eco-Friendly, no UV or RF interference, no mercury, no noise
- Lumens declared based on ballast factor 0.90
- PC/Aluminum housing

- **Does not work without ballast**

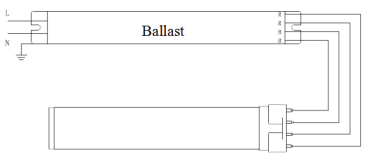
Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571320	**19w**	2G11	3000K	120-277V	1900lm	Opal	573mm
AL571321			4000K	120-277V	1900lm	Opal	573mm
AL571322			5000K	120-277V	1900lm	Opal	573mm
AL571323			6500K	120-277V	1900lm	Opal	573mm

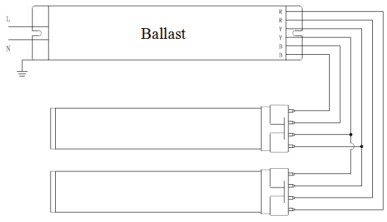
Notes

- Lumen tolerance up to 7%
- Does not work without ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.
- Power consumption = watts from the tube + ballast consumption (This will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption.
- Americanlite® LED PLL direct replacement tubes can only work with program start or rapid start ballasts, not suitable for direct line connection.

Wiring diagram



One lamp Wiring



Two lamp Wiring

Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
19w	0.0243	24	59.5 x 21 x 19.5	5.0

PLC/PLT Direct Replacement

LED SMD Tube

Americanlite® Direct Replacement SMD LED UL tubes work with most popular instant-start ballasts, does not require an electrical rewiring to install, which simplifies and lowers the installation cost, just plug in and turn on.

- Compatible with most brands of electronic ballasts
- Replace fluorescent tube when power is off without changing the current ballast, (see ballast compatibility list).
- Color temperature 3000K, 4000K, 5000K
- Eco-Friendly, no UV or RF interference, no mercury, no noise
- Lumens declared based on ballast factor 0.90
- PC/Aluminum housing
- To be used in a horizontal position

- **Does not work without ballast**

IP20

1600° Beam Angle

VOLTS 120-277

CRI 83

THD 20%

PF 0.90

-20°C to 40°C

50,000

5 YEAR Warranty

Ordering information

Model	W	Base	CCT	Input Voltage	Lumens	Diffuser	Length
AL571324	**9w**	G24q	3000K	120-277V	900lm	Opal	132mm
AL571325			4000K	120-277V	900lm	Opal	132mm
AL571326			5000K	120-277V	900lm	Opal	132mm

Notes

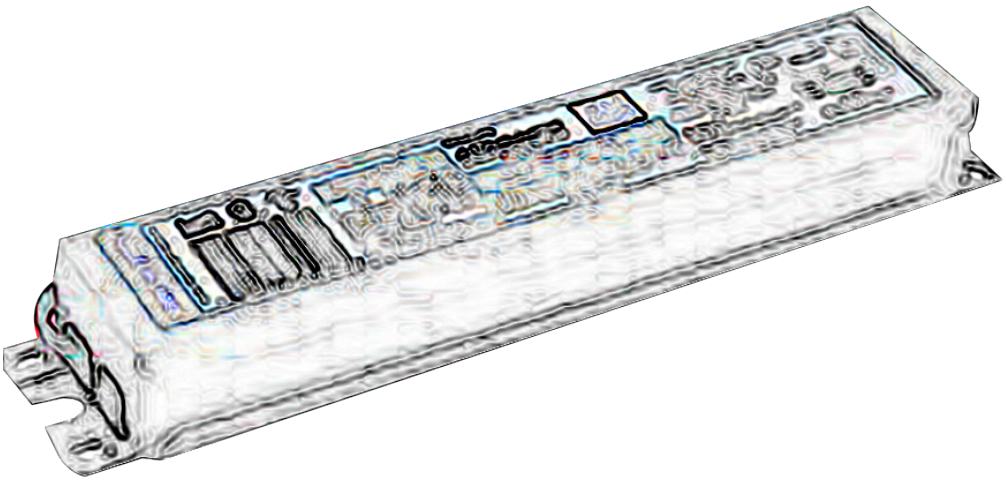
- Lumen tolerance up to 7%
- Does not work without ballast
- Recommended use per day 24/7 in ambient temp of 25°C. In temps >25° may result in shorter lifetime of the product.
- Power consumption = watts from the tube + ballast consumption (This will vary depending on each ballast used. Each ballast will consume different wattage and thus will contribute differently to the total power consumption of the system). Total lumen output of the system may also vary depending on the ballast used and the power consumption.
- Americanlite® LED direct replacement tubes can only work with instant electronic ballast, not suitable for direct line connection.

Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
9w	0.0175	50	77 x 24 x 9.5	5.8

Ballast Compatibility Lists



Americanlite® LED T8 lamps have been tested with the compatible ballasts shown on this chart. We are continually testing our LED lamps on various popular ballasts. We will continue to update this list as additional models are tested.

Manufacturer	Model
Philips Advance	ICN-2P32-N
Philips Advance	GOPA-2P32-SC
Universal Triad	B232I347HP-A
Universal Triad	B232IUNVHE-N
Universal Triad	B232IUNVHP-N
Universal Triad	B232IUNVEL-N
Universal Triad	B232IUNVHEH-A
GE	GE232MAX-G-N-DIYB
GE	GE432MAX-G-N-DIYB
GE	GE232MAX-N/UL TRA
GE	GE332MAX-H/UL TRA
GE	GE332MAX-G-H
GE (magnetic ballast)	GEM120PH120/2-DIY
GE (magnetic ballast)	GEM1FC8T9RS120/2-DIY
GE (magnetic ballast)	GEM220TS120/2-DIY
Osram	QTP 2X32T8/UNV
Osram	QTP 4X32T8/UNV
Sylvania	QHE 2X32T8/UNV
Epson	VE232MVHIPLE
Green Hill	GH4P321SUNV

IS = Instant Start
PS = Programmed Rapid Start
RG = Rapid Start
X = Not Compatible
√ = Compatible

Electronic Ballast Compatibility List

	Ballast Description				1 Lamp Load		2 Lamps Load		3 Lamps Load		4 Lamps Load	
No	Brand	Part Number	Start Method	Number of Lamps	Input Voltage		Input Voltage		Input Voltage		Input Voltage	
					120V	277V	120V	277V	120V	277V	120V	277V
1	Standard	E232PI120L	IS	2	✓	-	✓	-	-	-	-	-
2		E232T8IS120/N/AS	IS	2	✓	-	✓	-	-	-	-	-
3		E432T8IS120/H	IS	4	-	-	-	-	x	-	✓	-
4		E432T8IS120/L/AS/BULK	IS	4	-	-	-	-	✓	-	✓	-
5		E432T8IS120/N/AS/BULK	IS	4	-	-	-	-	✓	-	✓	-
6	Arcata	ACT4P32ISUNV	IS	4	-	-	-	-	✓	✓	✓	✓
7	Advance	ICN-2P32-N	IS	2	x	x	✓	✓	-	-	-	-
8		ICN-2P32-SC	IS	2	✓	✓	✓	✓	-	-	-	-
9		ICN-2S40-N	IS	2	✓	✓	✓	✓	-	-	-	-
10		ICN-4P32-N REV.D	IS	4	-	-	-	-	✓	✓	✓	✓
11		ICN-4P32-SC	IS	4	-	-	-	-	✓	✓	✓	✓
12		ICN-1P32-N	IS	1	✓	✓	-	-	-	-	-	-
13		IOPA-1P32-N	IS	1	✓	✓	-	-	-	-	-	-
14		IOPA-2P32-N	IS	2	x	x	✓	✓	-	-	-	-
15		IOPA-1P32-LW-N	IS	1	x	x	-	-	-	-	-	-
16		IOPA-2P32-LW-N	IS	2	x	x	✓	✓	-	-	-	-
17		IOPA-4P32-LW-N	IS	4	-	-	-	-	✓	✓	✓	✓
18		IOPS-1P32-N	IS	1	✓	✓	-	-	-	-	-	-
19		IOP-4P32-LW-N	IS	4	✓	✓	✓	✓	✓	✓	✓	✓
20		RCN-2S32-SC	PS	2	-	-	✓	-	-	-	-	-
21		REZ-2S32-SC	PS	2	x	-	✓	-	-	-	-	-
22		REL-4P32-RH-TP	IS	4	-	-	-	-	✓	✓	✓	✓
23		RELB-2S40-N	RS	2	✓	-	✓	-	-	-	-	-
24		REL-2P32-SC	IS	2	✓	-	✓	-	-	-	-	-
25	ESPEN	VE232MVHIP	IS	2	✓	✓	✓	✓	-	-	-	-
26		VE232MVHIPE	IS	2	✓	✓	✓	✓	-	-	-	-
27		VE232MVHIPHE	IS	2	x	x	✓	✓	-	-	-	-
28		VE232MVHIPLE	IS	2	✓	✓	✓	✓	-	-	-	-
29		VE432MVHIP	IS	4	-	-	-	-	✓	✓	✓	✓
30		VE432MVHIPE	IS	4	-	-	-	-	✓	✓	✓	✓
31		VE432MVHIPHE	IS	4	-	-	-	-	✓	✓	✓	✓
32	Fulham	NPY-120-232-LT8	PS	2	✓	-	✓	-	-	-	-	-
33		NPY-120-432-T8-B	IS	4	-	-	-	-	✓	-	✓	-
34		NPY-120-432-T8-S	IS	4	-	-	-	-	✓	-	✓	-
35		WHCG3-120-T8-IS	IS	3	-	-	✓	-	✓	-	-	-
36		WHCG5-120-T12-RS	RS	2	✓	-	✓	-	-	-	-	-
37		WHL-120-L	IS	2	✓	-	✓	-	-	-	-	-
38		WH5-120-L	IS	2	-	-	x	-	-	-	-	-
39	Fusion	FB232MVE	IS	2	✓	✓	✓	✓	-	-	-	-
40		FB332MVE	IS	3	-	-	✓	✓	✓	✓	-	-
41		FB432MVE	IS	4	-	-	-	-	✓	✓	✓	✓
42		FB232MVE-HE	IS	2	✓	✓	✓	✓	-	-	-	-
43		FB232MVE-LHE	IS	2	✓	-	✓	-	-	-	-	-
44		FB432MVE-HE	IS	4	-	-	-	-	✓	✓	✓	✓
45		FB232MVE-PPS-HE	PS	2	✓	✓	✓	✓	-	-	-	-
46		FB432MVE-PPS-HE	PS	4	-	-	-	-	✓	✓	✓	✓
47	GE	GE432MAXP-H/ULTRA	IS	4	✓	x	✓	✓	✓	✓	✓	✓
48		GE232MAXP-H	IS	2	✓	✓	✓	✓	-	-	-	-
49		GE232MAXP-L	IS	2	✓	✓	✓	✓	-	-	-	-
50		GE332MAXP-L	IS	3	✓	✓	✓	✓	✓	✓	-	-
51		GE132MAXP-N	IS	1	✓	✓	-	-	-	-	-	-
52		GE 232-120RES-DIYB	IS	2	✓	-	✓	-	-	-	-	-
53		GE 232-120-PS-N	PS	2	✓	-	✓	-	-	-	-	-
54		GE232MAX-G-N	IS	2	✓	✓	✓	✓	-	-	-	-
55		GE232MAX-N	IS	2	✓	✓	✓	✓	-	-	-	-
56		GE232-MVPS-L	PS	2	✓	✓	✓	✓	-	-	-	-
57		GE232-MV-N	IS	2	✓	✓	✓	✓	-	-	-	-
58		GE-232-MVPS-H	PS	2	x	x	✓	✓	-	-	-	-
59		GE332MAX90-V60	IS	3	-	-	x	x	✓	✓	-	-
60		GE332MV-N-DIY	IS	3	-	-	✓	✓	✓	✓	-	-
61		GE432MAX-H-42T	IS	4	-	-	-	-	✓	✓	✓	✓
62		GE-232-MV-PS-L	PRO	2	✓	x	✓	✓	-	-	-	-
63	Greenhill	GH2P59ISUNV	IS	2	x	x	✓	✓	-	-	-	-
64		GH4P32ISUNV	IS	4	-	-	-	-	✓	✓	✓	✓
65	Halco	EP232IS/H/MV/HE	IS	2	x	x	✓	✓	-	-	-	-
66		EP332IS/L/MV/HE	IS	3	-	-	✓	✓	✓	✓	-	-
67		EP332IS/MV/MC	IS	3	-	-	✓	✓	✓	✓	-	-
68		EP432IS/L/MV/HE	IS	4	-	-	-	-	✓	✓	✓	✓
69		EP432IS/MV/MC	IS	4	-	-	-	-	✓	✓	✓	✓
70	Huafeng	ENI-T8-32-P2SC-N	IS	2	✓	✓	✓	✓	-	-	-	-
71		ENI-T8-32-P4MC-N	IS	4	-	-	-	-	✓	✓	✓	✓

Americanlite® LED T8 lamps have been tested with the compatible ballasts shown on this chart. We are continually testing our LED lamps on various popular ballasts. We will continue to update this list as additional models are tested.

72	Keystone	KTEB-232-UV-IS-N-P	IS	2	✓	✓	✓	✓	-	-	-	-
73		KTEB-332-UV-IS-N-P	IS	3	-	-	✓	✓	✓	✓	-	-
74		KTEB-432-UV-IS-N-P	IS	4	-	-	-	-	✓	✓	✓	✓
75		KTEB-232-UV-PS-VDIM	PS	2	-	-	✓	✓	-	-	-	-
76	OSRAM	QTP 3x32T8/UNV PSX-SC	IS	3	-	-	-	-	x	x	-	-
77		QHE 4*32T8/UNV PSN-SC	PS	4	✓	✓	✓	✓	✓	✓	✓	✓
78		QTP 2*32T8/UNV ISN-SC	IS	2	✓	✓	✓	✓	-	-	-	-
79		QHE1X32T8/UNV ISH-HT-SC	IS	1	✓	✓	-	-	-	-	-	-
80		QHE1X32T8/UNV ISL-SC	IS	1	✓	✓	-	-	-	-	-	-
81		QHE1X32T8/UNV ISN-SC	IS	1	✓	✓	-	-	-	-	-	-
82		QHE1x32T8/UNV DIM-TC	DIM	1	✓	✓	-	-	-	-	-	-
83		QHE1XLEDT8/UNV ISL-SC	IS	1	✓	✓	-	-	-	-	-	-
84		QHE1XLEDT8/UNV ISN-SC	IS	1	✓	✓	-	-	-	-	-	-
85		QHE1XLEDT8/UNV ISN-SC-G2	IS	1	✓	✓	-	-	-	-	-	-
86		QHE2XLEDT8/UNV ISL-SC-G2	IS	2	✓	✓	✓	✓	-	-	-	-
87		QHE2XLEDT8/UNV ISN-SC-G2	IS	2	✓	✓	✓	✓	-	-	-	-
88		QHE2X32T8/UNV ISH-HT-SC	IS	2	✓	✓	✓	✓	-	-	-	-
89		QHE2X32T8/UNV ISL-SC	IS	2	✓	✓	✓	✓	-	-	-	-
90		QHE2X32T8/UNV ISN-SC	IS	2	✓	✓	✓	✓	-	-	-	-
91		QHE2X32T8/UNV PSH-HT	PRO	2	✓	✓	✓	✓	-	-	-	-
92		QHE2x32T8/UNV DIM-TC	DIM	2	x	x	✓	✓	-	-	-	-
93		QHE3XLEDT8/UNV ISL-SC	IS	3	✓	✓	✓	✓	✓	✓	-	-
94		QHE3XLEDT8/UNV ISN-SC	IS	3	✓	✓	✓	✓	✓	✓	-	-
95		QHE3XLEDT8/UNV ISN-SC-G2	IS	3	✓	✓	✓	✓	✓	✓	-	-
96		QHE3X32T8/UNV ISL-SC	IS	3	✓	✓	✓	✓	✓	✓	-	-
97		QHE3X32T8/UNV ISN-SC	IS	3	TBD	✓	✓	✓	✓	✓	-	-
98		QHE3X32T8/UNV ISN-SC-1	IS	3	✓	✓	✓	✓	✓	✓	-	-
99		QHE3X32T8/UNV PSN-SC	PRO	3	✓	TBD	✓	✓	✓	✓	✓	-
100		QHE4XLEDT8/UNV ISN-SC-G2	IS	4	✓	✓	✓	✓	✓	✓	✓	✓
101		QHE4X32T8/UNV ISL-SC	IS	4	✓	✓	✓	✓	✓	✓	✓	✓
102		QHE4X32T8/UNV ISN-SC	IS	4	✓	✓	✓	✓	✓	✓	✓	✓
103		QHE4x32T8/UNV DIM-TCL	DIM	4	-	-	-	-	-	-	✓	✓
104		QTP 2*32T8/UNV ISN-SC	IS	2	✓	✓	✓	✓	-	-	-	-
105	Howard	EP4/32IS/MV/MC/HE	IS	4	✓	-	✓	-	✓	✓	✓	✓
106		EPL3/32IS/MV/SC/HE	IS	3	✓	✓	✓	✓	✓	✓	-	-
107	POWER MASTER	2*32T8-UNV-IS-L	IS	2	✓	✓	✓	✓	-	-	-	-
108	Robertson	RSW240T12120	PS	2	x	-	x	-	-	-	-	-
109	Sunpark	SL15T	PS	2	✓	-	✓	-	-	-	-	-
110	Premium	BB-T8/UVH-2x32	IS	2	✓	✓	✓	✓	-	-	-	-
111		BB-T8/UVH-3x32	IS	3	-	-	-	-	✓	✓	-	-
112	Pacific	EB-332IS-U	IS	3	-	-	✓	✓	✓	✓	-	-
113		EB-432IS-U	IS	4	-	-	-	-	✓	✓	✓	✓
114	TCP	E4P32PSVNVE	IS	4	✓	✓	✓	✓	✓	✓	✓	✓
115	PLUSRITE	BAF232IS/MV/H	IS	2	✓	✓	✓	✓	-	-	-	-
116	Universal	B232SR120S30	PS	2	-	-	✓	-	-	-	-	-
117		B232IUNVHP-N	IS	2	-	-	✓	✓	-	-	-	-
118		B432IUNVHP-A	IS	4	-	-	-	-	✓	✓	✓	✓
119		B332IUNVHIP-A	IS	3	✓	✓	✓	✓	✓	✓	-	-

	Ballast Description				1 Lamp Load		2 Lamps Load		3 Lamps Load		4 Lamps Load	
No	Brand	Part Number	Start Method	Number of Lamps	Input Voltage		Input Voltage		Input Voltage		Input Voltage	
					347V	480V	347V	480V	347V	480V	347V	480V
120	Advance	GOPA-4P32-LW-SC	IS	4	✓		✓		✓		✓	
121		GOPA-3P32-LW-SC	IS	2	✓		✓					
122		GOPA-4P32-SC	IS	4	✓		✓		✓		✓	
123	OSRAM	QHE 4*32T8/347 ISN-SC	IS	4	x	-	✓	-	✓	-	✓	-
124		QHE1X32T8/347 ISN-SC	IS	1	✓	-	-	-	-	-	-	-
125		QHE1X32T8/347 ISL-SC	IS	1	✓	-	-	-	-	-	-	-
126		QHE2X32T8/347 ISL-SC	IS	2	✓	-	✓	-	-	-	-	-
127		QHE2X32T8/347 ISN-SC	IS	2	✓	-	✓	-	-	-	-	-
128		QHE3X32T8/347 ISN-SC	IS	3	✓	-	✓	-	✓	-	-	-
129	Fusion	FB232347E-HE	IS	2	✓	-	✓	-	-	-	-	-
130		FB232347E-L	IS	2	✓	-	✓	-	-	-	-	-
131		FB232347E-PPS-HE	PS	2	✓	-	✓	-	-	-	-	-
132		FB432347E-HE	IS	4	-	-	-	-	✓	-	✓	-
133		FB432347E-L	IS	4	-	-	-	-	✓	-	✓	-
134		FB432347E-PPS-HE	PS	4	-	-	-	-	✓	-	✓	-
135	GE	GE232MAX347-H	IS	2	x	-	✓	-	-	-	-	-
136		GE332MAX347-H	IS	3	-	-	x	-	✓	-	-	-
137		GE332MAX347-H	IS	3	-	-	✓	-	✓	-	-	-
138		GE232PS347-N	IS	2	✓	-	✓	-	-	-	-	-
139	Standard	E232T8IS347/N	IS	2	✓	-	✓	-		-		-
140		GE432PS347-N	PS	4	✓		✓		✓		✓	
141		E232T8IS347/H/90C	IS	2	x	-	x	-	-	-	-	-
142		E232T8IS347/L/BULK	IS	2	✓	-	✓	-	-	-	-	-
143		E232T8IS347/N/BULK	IS	2	✓	-	✓	-	-	-	-	-
144		E432PI347G01	IS	4	-	-	-	-	✓	-	x	-
145		E432T8IS347/L/BULK	IS	4	-	-	-	-	✓	-	✓	-
146		E432T8IS347/N	IS	4	-	-	-	-	✓	-	✓	-
147		E432T8IS347/N/BULK	IS	4	-	-	-	-	✓	-	✓	-
148		E432T8IS347/H/90C	IS	4	-	-	-	-	x	-	✓	-
149	Ultrasave	MR232347	IS	2	x	-	✓	-	-	-	-	-
150	Universal	B232I347HE-A	IS	2	✓	-	✓	-	-	-	-	-
151		B432I347HE-A	IS	4	-	-	-	-	✓	-	✓	-

13w

Americanlite® LED T5 lamps have been tested with the compatible ballasts shown on this chart. We are continually testing our LED lamps on various popular ballasts. We will continue to update this list as additional models are tested.

NO	BRAND	BALLAST ITEM	LAMP QTY	INPUT VOLTAGE (V)	RESULT
1	AccuSTart（迈特）	B228PUNV-C	1	120	√
				277	√
			2	120	√
				277	√
2		B228PUNV-N	1	120	√
				277	√
			2	120	√
				277	√
3		B228PU95S50D	1		X
			2	120	√
				277	√
4	ADVANCE	Centium ICN-2S-28	1	120	√
				277	√
			2	120	√
				277	√
5		Centium ICN-2S-28-T	1	120	√
				277	√
			2	120	√
				277	√
6		ICN-2S28-N	1	120	√
				277	√
			2	120	√
				277	√
7	KEYSTONE	KTEB-228HE-UV	1	120	√
				277	√
			2	120	√
				277	√
8	Robertson	PROFESSIONALQTP5 2*54	1	120	√
				277	√
			2	120	√
				277	√
9	RACEHORSE	RHA-UNV-228-L T5	1	120	√
				277	√
			2	120	√
				277	√
10	OSRAM	QHE2*28T5/UNV PSN	1	120	√
				277	√
			2	120	√
				277	√
11	SYLVANIA	QTP 2*28T5/UNV PSN	1	120	√
				277	√
			2	120	√
				277	√
12	HEP	SD 214-35 UNI	1		X
			2	120	√
				277	√

25.5w

Americanlite® LED T5 lamps have been tested with the compatible ballasts shown on this chart. We are continually testing our LED lamps on various popular ballasts. We will continue to update this list as additional models are tested.

✓ YES - N/A x NO

Electronic Ballast Compatibility List

——replace T5HO 54W 4FT

Ballast Description			1 Lamp Load		2 Lamps Load		3 Lamps Load		4 Lamps Load	
Brand	Part Number	Number of Lamps	Input Voltage		Input Voltage		Input Voltage		Input Voltage	
			120V	277V	120V	277V	120V	277V	120V	277V
Keystone	KTEB-254HO-UV-PS/A	2	✓	✓	✓	✓	-	-	-	-
	KTEB-254HO-UV-PS-SL	2	✓	x	✓	✓	-	-	-	-
	KTEB-454HO-UV-PS	4	✓	✓	✓	✓	✓	✓	✓	✓
Advance	EL1/254A26	2	✓	✓	✓	✓	-	-	-	-
	HCN-4S54-2LS-H	2	x	x	x	x	-	-	-	-
	ICN-2S54	2	✓	✓	✓	✓	-	-	-	-
	ICN-2S54-N	2	✓	✓	✓	✓	-	-	-	-
	ICN-2S54-T	2	✓	✓	✓	✓	-	-	-	-
	ICN-2S54-90C-N	2	✓	✓	✓	✓	-	-	-	-
	IOP-2PSP54-SC	2	x	x	x	x	-	-	-	-
	IZT-2S54-D	2	-	-	✓	✓	-	-	-	-
	ICN-4S54-90C-2LS-G	4	-	-	✓	✓	✓	✓	✓	✓
	IOP-4PSP54-2LS-G	4	x	x	x	x	x	x	x	x
Damar	26947A	2	✓	✓	✓	✓	-	-	-	-
Espen	VE454MVHRP	4	-	-	✓	✓	✓	✓	✓	✓
	VE254MVHRP	2	✓	✓	✓	✓	-	-	-	-
Fulham	RHA-UNV-254-LT5	2	✓	✓	✓	✓	-	-	-	-
	RHA-UNV-454-LT5	4	✓	✓	✓	✓	✓	✓	x	x
	WH5-120-L	2	x	-	x	-	-	-	-	-
Fusion	FB254T5MVE	2	✓	✓	✓	✓	-	-	-	-
	FB454T5MVE	4	-	-	-	-	✓	✓	✓	✓
GE	GE254MVPS-D	2	x	x	x	x	-	-	-	-
	GE254MVPS-D-1	2	✓	✓	✓	✓	-	-	-	-
	GE254MVPS90-A	2	x	x	x	x	-	-	-	-
	GE454MVPS90-F	4	x	x	x	x	x	x	x	x
Halco	EP254HO/PS/MV/MC	2	✓	✓	✓	✓	-	-	-	-
	EP454HO/PS/MV	4	-	-	✓	✓	✓	✓	✓	✓
HEP	SI 254-58 UNI	2	-	-	x	x	-	-	-	-
	SD 254-58 UNI	2	-	-	✓	✓	-	-	-	-
Huafeng	ENP-T5-54-S2MC	2	✓	✓	✓	✓	-	-	-	-
	ENP-T5-54-S4LC	4	-	-	✓	✓	x	x	✓	✓
Liyuan	LYEB5812	2	x	x	✓	✓	-	-	-	-
Luma	BLF254-U	2	✓	✓	✓	✓	-	-	-	-
Maxlite	SKEU542HOP/SC	2	✓	✓	✓	✓	-	-	-	-
Osram	QHE 2x54T5HO/ UNV PSN	2	✓	✓	✓	✓	-	-	-	-
	QT 2x54/120PHO-DIM	2	-	-	x	-	-	-	-	-
	QTP 2x54T5HO/UNV PSN	2	✓	✓	✓	✓				
	QTP 2x54T5HO/ UNV PSN HT	2	✓	✓	✓	✓	-	-	-	-
	QTP 2x54T5HO/UNV PSN 80-SC	2	✓	✓	✓	✓	-	-	-	-
	QHE 4x54T5HO/UNV PSN HT SCL	4	✓	✓	✓	✓	✓	✓	✓	✓
	QHE 4x54T5HO/ UNV PSN HT SCL [DOE]	4	✓	✓	✓	✓	✓	✓	✓	✓
	QTP 4x54T5HO/ UNV PSN HT W	4	✓	✓	✓	✓	✓	✓	✓	✓
Pacific	EB-254PRS-U	2	✓	✓	✓	✓	-	-	-	-
Roberson	PSB454T5MV	4	✓	✓	✓	✓	✓	✓	✓	✓
Sunpark	U-2/54T5HO	2	✓	✓	✓	✓	-	-	-	-
Symban	SLFE-254 T5HO-120MV-90C	2	✓	✓	✓	✓	-	-	-	-
	SLFE-454 T5HO-120MV-90C	4	✓	✓	✓	✓	✓	✓	✓	✓
Standard	E154T5PS120-277/N/HO	1	✓	✓	-	-	-	-	-	-
	E245T5HOPS120-277/N/XTRM	2	✓	✓	✓	✓	-	-	-	-
	E454T5HOPS120-277/N/XTRM	4	✓	✓	✓	✓	✓	✓	✓	✓
Ultrasave	ER254120MHT-W	2	✓	✓	✓	✓	-	-	-	-
Universal	B254PUNV-D	2	✓	✓	✓	✓	-	-	-	-
	B254PUNVHB-D	2	✓	✓	✓	✓	-	-	-	-
	B454PUNV-E	4	✓	✓	✓	✓	✓	✓	✓	✓
	B454PUNVHB-E	4	✓	✓	✓	✓	✓	✓	✓	✓

Ballast Description			1 Lamp Load		2 Lamps Load		3 Lamps Load		4 Lamps Load	
Brand	Part Number	Number of Lamps	Input Voltage		Input Voltage		Input Voltage		Input Voltage	
			347V	480V	347V	480V	347V	480V	347V	480V
Advance	HCN-2S54-90C-WL	2	✓	✓	✓	✓	-	-	-	-
	HCN-4S54-90C-2LS-G	4	✓	✓	✓	✓	✓	✓	✓	✓
Fusion	FB454347T5E	4	-	-	-	-	✓	-	✓	-
Osram	QHE 2x54T5HO/347-480PSN HT	2	✓	✓	✓	✓	-	-	-	-
	QHE 4x54T5HO/347-480PSN HT SCL	4	x	x	x	x	x	x	x	x
Symban	SLFE-254 T5HO-347V-90C	2	✓	-	✓	-	-	-	-	-
	SLFE-454 T5HO-347V-90C	2	✓	-	✓	-	✓	-	✓	-
Standard	E254T5HOPS347/N/XTRM	2	✓	-	✓	-	-	-	-	-
	E454T5HOPS347/N/XTRM	4	✓	-	✓	-	✓	-	✓	-

This ballast list is provided for guidance when selecting a ballast and lamp combination. Lamps were tested for compatibility with the above listed balasts. Ballasts that do not appear on the chart might still be compatible but have not been tested.

18W

Ballast Model	Lamp #	Voltage
KEYSTONE KTEB-254HO-UV-PS/A	2	120
		277
KEYSTONE KTEB-254HO-UV-PS/A	1	120
		277
HUAFENG ENP-T-54-S2MC	2	120
		277
HUAFENG ENP-T-54-S2MC	1	120
		277
Philips ICN-2S54-T	2	120
		277
Philips ICN-2S54-T	1	120
		277
KEYSTONE KTEB-254HO-UV-PS-SL	2	120
KEYSTONE KTEB-254HO-UV-PS-SL	1	120
ADVANCE ICN-2S54	2	120
		277
ADVANCE ICN-2S54	1	120
		277

PLC/PLT Direct Replacement Ballast List

This ballast list is provided for guidance when selecting a ballast and lamp combination. Lamps were tested for compatibility with the above listed balasts. Ballasts that do not appear on the chart might still be compatible but have not been tested.

√	Compatible
/	Ballast has no wiring diagram for such installation
X	NOT Compatible

Brand	Model	Compatibility					
		1 Lamp			2 Lamps		
		120V	277V	347V	120V	277V	
PHILIPS	ICF-2S13-H1-LD	√	√	/	√	√	/
	ICF-2S13-M1-BS	√	√	/	√	√	/
	ICF-2S18-M1-BS	√	√	/	√	√	/
	RMB-1P13-S1	√	/	/	/	/	/
	ICF-2S18-H1-LD	√	√	/	√	√	/
	ICF-2S42-M2-LD	√	X	/	√	X	/
	REZ-2T42-M3-BS	√	/	/	√	/	/
	REZ-2Q26-M2-BS	√	/	/	√	/	/
	VEZ-2Q26-M2-LD	/	√	/	/	√	/
	VEZ-1T42-M2-LD	/	√	/	/	/	/
KEYSTONE	KTEB-226-UV-PS-DW	√	√	/	√	√	/
	KTEB-242-UV-PS-DW	√	√	/	√	√	/
	KTEB-242-UV-RS-DW	X (High Power)	X (High Power)	/	√	√	/
	KTEB-218-UV-RS-DW	√	√	/	√	√	/
	KTEB-218-UV-PS-DW	√	√	/	√	√	/
	KTEB-126-1-TP	√	/	/	/	/	/
	KTEB-126-1-TP-SC/HB	√	/	/	/	/	/
OSRAM	QTP 2*26CF/UNV DM PEM	√	√	/	√	√	/
SYLVANIA	QTP2*26CF/UNV QS	X (Very Low Power)	√	/	X (Flickering)	√	/
	QTP 2*26/32/42CF/UNV TM	X (Unstable Power)	X (Unstable Power)	/	X (Flickering)	X (Flickering)	/
	QTP 1/2*18F/UNV DM	√	√	/	√	√	/
	QTP 2*26CF/UNV DM	√	√	/	√	√	/
	QTP 2*26/32/42 CF/UNV DM PEM	X (Unstable Power)	X (Unstable Power)	/	X (Flickering)	X (Flickering)	/
HOWARD	EP2/26CF/MV/2	√	√	/	√	√	/
	EP2/42CF/MV/2	√	√	/	√	√	/
GE	GEC242-MVPS-3W	√	√	/	√	√	/
	GEC218-MVPS-3W	√	√	/	X	√	/
	GEC226-MVPS-3W	√	√	/	√	√	/
WORK HORSE	WH2-120-C	√	/	/	√	/	/
	WH33-120-C	√	/	/	√	/	/
	RHA-UNV-226-C	√	√	/	√	√	/
	EHA-UNV-242-C	√	√	/	√	√	/
STANDARD	E22142-UV-TDE FLX	√	√	/	√	√	/
	E1321-UV-S	X (Flickering)	X (Flickering)	/	X (Unstable Power)	X (Unstable Power)	/
	E21338-UV-TDE FLX	√	√	/	√	√	/
	E22142-UV-TDE FLX	√	√	/	√	√	/
	E22142-347-TDX-FLX	/	/	√	/	/	√
	E22642-347-A-TDX-FLX	/	/	√	/	/	√
	E22642-UV-A-TDX FLX	√	√	/	√	√	/
	E2150-347S	/	/	√	/	/	√
	E2150-UV-S	√	√	/	√	√	/
	ED22150-120-277-SL LB	√	√	/	√	√	/
	ED22150-347-BLS GLB	/	/	√	/	/	√
	ED2150-UV-BS	X (Flickering)	X (Flickering)	/	√	√	/
PONY	NPY-120-226-CFL	X (High Power)	/	/	X (High Power)	/	/
TRIAD	C2642UNVME	√	√	/	√	√	/
	C218UNVME	√	√	/	√	√	/
	C2642/347ME	/	/	√	/	/	√
	C218/347ME	/	/	√	/	/	√
	C213/347ME	/	/	√	/	/	√
	C242/347ME	/	/	X	/	/	X

Warranty

Americanlite® is pleased to provide a 5 year limited warranty covering the LED Tubes on this catalogue. Americanlite® warrants that the LED Tubes comply with Americanlite®'s published specifications and are free from defects in materials and workmanship.

All our equipment is UL approved and manufactured with approved components. Americanlite® reserves the right to change or improve the design or components of any of its products due to parts availability or changes in standards, without assuming any obligation to modify any product previously manufactured and without notice. All equipment is tested and inspected before shipment.

This warranty is void if the product is operated outside of its normal operating conditions. The foregoing warranty does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code or instructions for use in installations, including, but not limited to, those contained in the Standards for the International Electrotechnical Commission. Americanlite® reserves and has the right to examine failed lamp to determine the cause of failure, excessive lumen depreciation and patterns of usage.