

LED 4FT Glass Tube (Type A+B: Hybrid)













Specification						
Model No.	HY-T8-F210-15W-A+B4000K HY-T8-F210-15W-A+B50					
Power:	15W					
Input Voltage:	AC100-277V					
Luminous Flux:	1950 LM					
Power Factor:	>0.9					
THD:	<10%					
CCT:	4000K	5000K				
Cover:	Glass with Frosted Film					
DLC Family ID	PSYFXBRV	P3SHPGHN				
CRI:	>80					
Working Life:	>50,000 hours					
Working Temperature:	4°F to 105°F					

GENERAL DESCRIPTION

The T8 LED Hybrid Tube is shatter resistant, energy efficient and easy for installation replacement for Fluorescent Tubes. Compatible with or without a ballast, this linear tube is thoughtfully designed to be long-lasting and maintenance free.

FEATURES

store....

- Glass with Outer Film: Prevent the glass break into pieces
- High energy efficiency: save more than 60% energy versus fluorescent lamps
- Hybrid: Can be used with or without ballast and reduces maintenance expenses
- Licensed Under Patent No. 8,729,809
- NOTE: Check the ballast compatibility list before installation

Ordering Guide

Model No: HY-T8 -F120-15W-A+B (XXXX)K								
Company Code	Size	Material	Length	Watt	Wiring	ССТ		
НҮ	T8: T8 Tube	F: Glass with Frosted Film	120: 1.2M/48"	15W	A+B: Hybird with or without ballast	4000К 5000К		

LED 4FT Glass Tube (Type A+B: Hybrid) Installation Guide

• Type A (Working with Ballast) Installation - Check Ballast Compatibility List before installation)

- 1. Disconnect power
- 2. Remove diffuser (Optional)
- Removing the existing fluorescent lamp
- 4. Install the LED Tube Lamp
- Install diffuser back (if removed in step 2)
- 6. Turn on power



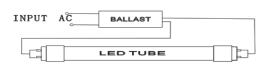


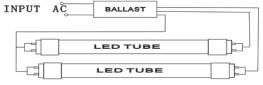






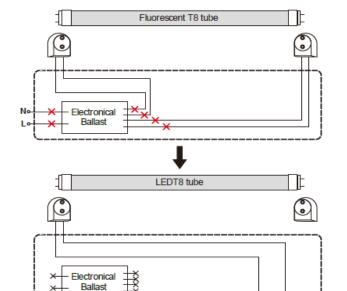






Type B (Working without Ballast, single end) Installation - Must Use a Non-Shunted Socket

- 1. Disconnect power
- 2. Remove diffuser (Optional)
- 3. Removing the existing fluorescent lamp
- 4. Cut the exsiting ballast
- 5. Change the exsiting socket to Non-Shunted Socket.
- Wire the power to the new Non-Shunted Socket.
- Install the LED Tube Lamp, make sure the LED lamp end with label is installed on the socket with power. The tube will not work if installed reverse.
- Install diffuser back (if removed in step 2)
- 9. Turn on power



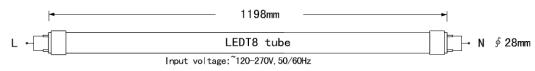
Disconnect the wires between starter and ballast according to the left figure.

Connect two wires to branch circuit L and N according to the left figure.

Type B (Working without Ballast, double end) Installation

(Please contact manufacturer or your sales rep to make sure if your lamp is working while installed double end)

- Disconnect power
- 2. Remove diffuser (Optional)
- 3. Removing the existing fluorescent lamp
- 4. Remove the existing ballast
- 5. Change the existing socket to Shunted Socket. (Optional: Need only if the existing socket is wired ballast bypass with a non-shunted socket)
- 6. Wire the power to the new Shunted Socket (Optional: if changed in step 5)
- 7. Install the LED Tube Lamp. The tube will still be working if installed reverse.
- 8. Install diffuser back (if removed in step 2)
- 9. Turn on power



Note: the tube will note be damaged if installed in reverse.

TYPE A+B ELECTRONIC BALLAST COMPATIBILITY LIST

VERSION: G UPDATED DATE: 2017/07/04

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TYPE A+B THE COMPATIBILITY LIST OF BELOW WAS ALL VERIFIED WITH TYPE A+B						
NUMBER	BRAND	MODEL	OUTPUT	STARTING TYPE	WIRING DIAGRAM	PIC OF REFERENCE
1	— ACCUPRO	AP-RC-232IP-120-1	2-LAMP	INSTANT START	RACE STATE Electronic BALE BALE STATE STAT	ACCUPRO S Model No. APR C 23P-1204
2		AP-RC-432IP-120	4-LAMP	INSTANT START	Parkers of the second of the s	T8 2- N Model No. AP-RC 432IP-120
3		WH3-120-L	2-LAMP	INSTANT START	State	Control of the cont
4	FULHAM CO., INC	WH3-120-C	2-LAMP	INSTANT START	SELECT BEIGETONIC BAUE SELECT	
2		WHCG3-120-T8-IS	4-LAMP	INSTANT START	### Part route #### #### #### #### #### #### #### #### #### ##### #### ##### ######	EXOR - MINISTER CO.
5		GE-132-MAX-L/ultra	1-LAMP	INSTANT START	HARVINE GLASS SALE	The second property of
6		GE232-120RESDIYB	2-LAMP	INSTANT START	Ballest LAME CAME CAM	
7		GE-232-MV-N-42T	2-LAMP	INSTANT START	Ballest LAME CAME CAM	Description of the second of t
3		GE232MAX-N/Ultra	2-LAMP	INSTANT START	Ballest LAME CAME CAM	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
8		GE232MV-N-DIY	2-LAMP	INSTANT START	Balest Balest	O PROJECT OF THE PROJ
9		GE232MAX-H/ultra	2-LAMP	INSTANT START	Balest Balest	
10		GE232MAXP-H/ultra	2-LAMP	INSTANT START	SACT Blockronic SACT SACT SACT SACT SACT SACT SACT SACT	>
3		GE232-120RES-DIY	2-LAMP	INSTANT START	SACT Below Ballest	PROPERTY OF THE PROPERTY OF TH
11	GENERAL ELECTRIC	GE-232-MVPS-H	2-LAMP	PROGRAMMED START	LIVE + ALLAST SHOP	Compare and the compare and th
12		GE232MAX-L/ULTRA	2-LAMP	INSTANT START	SACTO BEIGHTONIC BALLS AND	O CONTROL OF THE PROPERTY OF T
13		GE232-120-RES	2-LAMP	INSTANT START	SACTO BEIGHTONIC BALLS AND	Proc. 1 miles 1 miles
3		GE332MV-N-DIY	3-LAMP	INSTANT START	Electronic Bodiest	O PRODUITE STATE OF THE STATE O
14		GE332MAX-G-N	3-LAMP	INSTANT START	Beckera	O CONTROL CASE TO SERVICE AND
15		GE332MAX-G-N-DIYB	3-LAMP	INSTANT START	Bellet Lord Lord Lord Lord Lord Lord Lord Lord	
16		GE432MAX-G-N	3-LAMP	INSTANT START	Belefreit	© Water Con-Tool
3		GE432-MVPS-N	4-LAMP	INSTANT START	STACE STACE OF STACE	O NOMERO TO SELECTION OF THE PROPERTY OF THE P
17		GE432MAX-H/ULTRA	4-LAMP	INSTANT START	The state of the s	O COME OF THE PROPERTY OF THE

TYPE A+B ELECTRONIC BALLAST COMPATIBILITY LIST

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TYPE A+B THE COMPATIBILITY LIST OF BELOW WAS ALL VERIFIED WITH TYPE A+B							
NUMBER	BRAND	MODEL	OUTPUT	STARTING TYPE	WIRING DIAGRAM	PIC OF REFERENCE	
18	GENERAL ELECTRIC	GE432MAX-H-42T	4-LAMP	INSTANT START	Particular State of S	The section 1774	
19		GE432MAX-N/ULTRA	4-LAMP	INSTANT START	Stationard Comment of the Comment of	PARTICULAR TO THE PARTICULAR T	
4		GE-432-MV-N-42T	4-LAMP	INSTANT START	Steerards of the steerard of the st	C CHO AT ST. CONTROL OF ST. CONTROL	
20		GE432-120RES-DIY	4-LAMP	INSTANT START	Stations Sta	(2) (200)	
21		GE432-120RES-DIYB	4-LAMP	INSTANT START	Training Statements St	CO PRIO DE LA CONTRACTION DEL CONTRACTION DE LA	
22	- KEYSTONE	KTEB-232RIS-1-TP-SL	2-LAMP	INSTANT START	SALES Electronic SALES SECTION SALES S	REPUBLIC REP	
5		KTEB-432-UV-IS-N-P	4-LAMP	INSTANT START	Table State of State		
23		QHE 1x32T8/347 ISN-SC	1-LAMP	INSTANT START	BACONNIS 1-Lamp 12 Bectmode Bac Ballett Start St	OSRAM S S S S S S S S S S S S S S S S S S S	
24	OSRAM SYLVANIA	QHE 2x32T8/UNV ISN-SC	2-LAMP	INSTANT START	Electronic State S	PERSONAL PROPERTY OF INSTRUMENT OF INSTRUMEN	
25		QHE 2x32T8/UNV PSN-MC	2-LAMP	PROGRAMMED START	VILLOW ESCHOOLS CALLS CA	PELANA	
6		QHE 3x32T8/UNV ISL-SC	3-LAMP	INSTANT START	Belanding Control Cont	PRIAMON SOUTH CONTINUES SO	
26		QHE 3x32T8/UNV ISN-SC-1	3-LAMP	INSTANT START	Electronic Constitution of the Constitution of	PILADAM PILADA	
27		QT4x32T8/347 ISN-SC	4-LAMP	INSTANT START	Pacing Pacing State Stat	SYLVANIA Control of the control of	
28		QHE 4x32T8/UNV ISN-SC	4-LAMP	INSTANT START	Beitrarde Man	STANDARD OF MACHINERY OF MACHIN	
6		QHE 4x32T8/UNV ISL-SC	4-LAMP	INSTANT START	Section Sectin Section Section Section Section Section Section Section Section	STEARS OF STEAR OF S	
29	PHILIPS ADVANCE	ICN-1P32-N	1-LAMP	INSTANT START	LAMPS Superior Sup	The state of the s	
30		IOPA-2P32-LW-N	2-LAMP	INSTANT START	WATE Electronic Ballet State Average A		
31		REB-2P32-SC	2-LAMP	INSTANT START	WHITE Electronic SULE SULE SULE SULE SULE SULE SULE SULE	ANALOG & S S S S S S S S S S S S S S S S S S	
7		ICN-2P32-N	2-LAMP	INSTANT START	WATER Electronic Ballest State Annual Control		
32		GOPA-2P32-SC	2-LAMP	INSTANT START	PALOX Ballart ISS CONTROL OF THE PARTY ISS CON	MONACE & C. Marie Barrier Barr	
33		ICN-2P32-SC	2-LAMP	INSTANT START	Buller Baller Buller Buller	THE STATE OF THE PARTY OF THE P	
34		ICN-3P32-N	3-LAMP	INSTANT START	SACE Backwood Balled	Albace @ Marie To Table To Tab	

TYPE A+B ELECTRONIC BALLAST COMPATIBILITY LIST

VERSION: G UPDATED DATE: 2017/07/04

TYPE A+B THE COMPATIBILITY LIST OF BELOW WAS ALL VERIFIED WITH TYPE A+B BRAND NUMBER MODEL OUTPUT STARTING TYPE WIRING DIAGRAM PIC OF REFERENCE IOP-3PSP32-SC 3-LAMP PROGRAMMED START 35 IOP-3P32-N 3-LAMP INSTANT START PHILIPS ADVANCE 36 ICN-4P32-SC 4-LAMP INSTANT START IOPA-4P32-N INSTANT START 4-LAMP 37 8 IOP-4P32-N 4-LAMP INSTANT START 38 U-2/32ISE 2-LAMP INSTANT START SUNPARK U-3/32ISE INSTANT START 39 3-LAMP INSTANT START B232IUNVHP-B 2-LAMP 40 INSTANT START B332IUNVHP-A 3-LAMP 10 UNIVERSAL 41 B432IUNVHP-A 4-LAMP INSTANT START 42 B432IUNVHE-A 4-LAMP INSTANT START

Note:

- 1. The ballasts model list on the chart have been tested and approved by manufacturer;
- 2. For TYPE A+B mode Tube, when using type B mode connection, pleasure make sure the VOLTAGE under AC110-277V, working temperature 4°F to 105°F
- 3. Absence of a ballast from this chart does not imply incompatibility. Please reference the ballast manufacturer's instructions for installation and further information.
- 4. This list is to be used as a general guideline, the LED tube may not work if the ballast is over 5 years old or have a weak starting voltage.
- ${\it 5. \ Please strictly follow the wiring diagram shown on the ballasts;}\\$
- ${\bf 6. \ \ Please \ check \ if \ the \ contact \ points \ of \ the \ old \ fixture \ work \ normal;}$
- ${\it 7. \ Please use caution and test lamps in fixtures for an extended period of time to ensure proper operation;}$
- 8. Do not proceed with a mass installation until proper operation of the LED tube is verified.
- 9. We will continuously testing new model ballasts in lab, please contact manufacturer to get latest compatibility list;