

Ballast Compatibility List for new 4ft LED T8 hybrid tubes

Brand	Input	Item	Start Mode	Output	Test Result	
DAMAR	120V-277V	01688B EL232-120/277HF	Instant Start	2-lamp	YES	
	120V-277V	03654C EL332-120/277HF	Instant Start	3-lamp	YES	
	120V-277V	03093B EL432-120/277HF	Instant Start	4-lamp	YES	
GE		GE132-MV-N	Instant Start	1-lamp	No Test	
	120V	GEM1FC8T9RS120/2-DIY	Magnetic Ballast	1-lamp	No Test	
	120V	GEM120PH120/2-DIY	Magnetic Ballast	1-lamp	No Test	
	120V	GEM220TS120/2-DIY	Magnetic Ballast	2-lamp	No Test	
	120V-277V	GE232MAX-G-H	Instant Start	2-lamp	YES	
	120V-277V	GE240PSMVN-DIYB (T12)	Programmed Start	2-lamp	YES	
		GE132-MV-PS-L	Instant Start	1-lamp	YES	
		GE132MAXP-L/ULTRA	Instant Start	1-lamp	YES	
		GE132MAXP-N/ULTRA	Instant Start	1-lamp	YES	
		GE132MAX-L/ULTRA	Instant Start	1-lamp	YES	
		GE132MAX-N/ULTRA	Instant Start	1-lamp	YES	
		GE132MAX-H/ULTRA	Instant Start	1-lamp	YES	
		GE232 MA	Instant Start	2-lamp	No Test	
		GE232MV-N-DIY	Instant Start	2-lamp	No Test	
		GE232MAX-G-N	Instant Start	2-lamp	YES	
		GE232MAX-G-N-DIYB	Instant Start	2-lamp	YES	
		GE232-120-RES	Instant Start	2-lamp	YES	
		GE232-120RESDIYB	Instant Start	2-lamp	YES	
		GE232MAX-L/ULTRA	Instant Start	2-lamp	No Test	
		GE232MAX-N/ULTRA	Instant Start	2-lamp	YES	
		GE232MAX-H/ULTRA	Instant Start	2-lamp	YES	
		GEM220TS120/2-DIY	Magnetic Ballast	2-lamp	No Test	
		GE-232-MV-PS-N	Programmed Start	2-lamp	No Test	
		GE259MV-N	Instant Start	2-lamp	No Test	
		GE332MAX-L	Instant Start	3-lamp	No Test	
	120V-277V	GE332MAX-H/ULTRA	Instant Start	3-lamp	YES	
	120-277V	GE332MAX-G-H	Instant Start	3-lamp	YES	
		GE332MV-L	Instant Start	3-lamp	YES	
		GE332MAX-L/ULTRA	Instant Start	3-lamp	No Test	
		GE332MAX-N/ULTRA	Instant Start	3-lamp	No Test	
		GE432MV-N-DIY	Instant Start	4-lamp	No Test	
	120-277V	GE432MAX-G-N-DIYB	Instant Start	4-lamp	No Test	
		GE432MAX-G-N	Instant Start	4-lamp	No Test	
		GE432MAXP-H	Instant Start	4-lamp	No Test	
		GE432MAX347-N	Instant Start	4-lamp	YES	
		GE432MAXP-N/ULTRA	Instant Start	4-lamp	YES	
		GE432-120RESDIY	Instant Start	4-lamp	No Test	
		GE432-120RESDIYB	Instant Start	4-lamp	No Test	
	PHILIPS Advance		ICN-1P32-N	Instant Start	1-lamp	YES
			IOPA-1P32-N	Instant Start	1-lamp	YES
		ICN-2P32-N	Instant Start	2-lamp	YES	
		REB-2P32-SC	Instant Start	2-lamp	No Test	
		IOP-2P32HL-SC	Instant Start	2-lamp	YES	
		IOPA-2P32HL-N	Instant Start	2-lamp	YES	
		IOPA-2P32HL-SC	Instant Start	2-lamp	Not compatible	
		IOPA-2P32-N	Instant Start	2-lamp	YES	
		IOPA-2P32-LW-N	Instant Start	2-lamp	YES	
		IDA-2S32-SC	Programmed Start	2-lamp	No Test	
		REB-2P32-SC	Instant Start	2-lamp	No Test	
		GOPA-2P32-SC	Instant Start	2-lamp	YES	
		VEL-2P32-SC	Instant Start	2-lamp	No Test	
120-277V		IOPA-3P32-N	Instant Start	3-lamp	YES	
		IOPA-3P32HL-SC	Instant Start	3-lamp	No Test	
		ICN-4P32-N	Instant Start	4-lamp	YES	
		REB-4P32-SC	Instant Start	4-lamp	YES	
120V-277V		IOPA-4P32-N	Instant Start	4-lamp	YES	
		IOPA-4P32-LW-N	Instant Start	4-lamp	No Test	
120V-277V		IOPA-4P32-SC	Instant Start	4-lamp	No Test	
120V-277V		IOPA-4P32-HL	Instant Start	4-lamp	No Test	
347V		GOPA-4P32-SC	Instant Start	4-lamp	YES	
347V		GOPA-3P32-SC	Instant Start	3-lamp	No Test	
	IOPA-4P32-LW-SC	Instant Start	4-lamp	No Test		
	VEL-4P32-SC	Instant Start	4-lamp	No Test		

OSRAM/ SYLVANIA		QTP 1X32T8/UNV ISN-SC	Instant Start	1-lamp	YES
		QHE 1X32T8/UNV ISH HT SC	Instant Start	1-lamp	No Test
		QHE 1X32T8/UNV ISL-SC	Instant Start	1-lamp	No Test
		QHE 1X32T8/UNV ISN-SC	Instant Start	1-lamp	No Test
		QHE 1X32T8/UNV ISH SC	Instant Start	1-lamp	No Test
		QHE 1X32T8/UNV PSN-MC	Programmed Start	1-lamp	No Test
		QHE 2X32T8/UNV ISL-SC	Instant Start	2-lamp	YES
		QHE 2X32T8/UNV ISN-SC	Instant Start	2-lamp	YES
		QHE 2X32T8/UNV ISH-SC	Instant Start	2-lamp	No Test
		QHE 2X32T8/UNV ISH HT-SC	Instant Start	2-lamp	No Test
	120V-277V	QHE 2x32T8/UNV PSN-MC	Programmed Rapid Start	2-lamp	No Test
		QHE 2X32T8/UNV DIM-TC	Programmed Start	2-lamp	Not compatible
		QTP 2X32T8/UNV ISN-SC	Instant Start	2-lamp	YES
		QHE 3X32T8/UNV ISL-SC	Instant Start	3-lamp	YES
		QTP 3*32T8/UNV ISN-SC	Instant Start	3-lamp	YES
		QHE 3x32T8/UNV ISN-SC	Instant Start	3-lamp	YES
		QHE 3x32T8/UNV PSN-SC	Programmed Start	3-lamp	No Test
		QHE 3x32T8/UNV PSH-HT-SC	Programmed Start	3-lamp	No Test
	120V-277V	QTP 4X32T8/UNV ISN-SC	Instant Start	4-lamp	YES
		QHE 4x32T8/UNV ISL-SC	Instant Start	4-lamp	YES
		QHE 4X32T8/UNV ISN-SC	Instant Start	4-lamp	YES
		QHE 4x32T8/UNV ISL-SC	Instant Start	4-lamp	No Test
		QHE 4x32T8/UNV PSN-SC	Programmed Start	4-lamp	YES
		QHE 4X32T8/UNV ISH	Instant Start	4-lamp	No Test
	QHE 4x32T8/347 ISN-SC	Instant Start	4-lamp	No Test	
UNIVERSAL		B132IUNVEL-A	Instant Start	1-lamp	No Test
		B132IUNVHP-N	Instant Start	1-lamp	YES
		B132IUNVHP-B	Instant Start	1-lamp	No Test
		B232IUNVHE-N	Instant Start	2-lamp	YES
	347V	B232I347HP-A	Instant Start	2-lamp	No Test
		B232IUNVEL-N	Instant Start	2-lamp	YES
		B232IUNVHP-N	Instant Start	2-lamp	YES
	120V-277V	B232IUNVHEH-A	Instant Start	2-lamp	YES
		B232PUNVHE-B	Programmed Start	2-lamp	YES
		B332IUNVHE-A	Instant Start	3-lamp	YES
		B432IUNVHE-A	Instant Start	4-lamp	YES
		B432IUNVEL-A	Instant Start	4-lamp	YES
		B432I347HP	Instant Start	4-lamp	No Test
	B432I347HPL	Instant Start	4-lamp	No Test	
ULTRASAVE		ET232120M	Instant Start	2-lamp	No Test
SUNPARK		120-2/32IS MPF	Instant Start	2-lamp	No Test
	120V-277V	U-4/32ISE-LBF	Instant Start	4-lamp	No Test
		120-4/32IS MPF	Instant Start	4-lamp	No Test
ESPEN		VE232NW HIPHE	Instant Start	2-lamp	No Test
		VE232MVHIPLE	Instant Start	2-lamp	No Test
ROBERTSON		ISU232T8120	Instant Start	2-lamp	No Test
STANDARD		E232T8IS120-277/N/AS	Instant Start	2-lamp	No Test
HOWARD	120-277V	EPH4/32IS/MV/SC/HE	Instant Start	4-lamp	No Test
GREEN HILL		GH4P32ISUNV	Instant Start	4-lamp	No Test
SZ-TEYUAN	120V-277V	TBE-34CFW	Instant Start	4-lamp	No Test
HATCH ESPEN	120-277V	HL232BIS/UV/HE/W	Instant Start	2-lamp	YES
	120-277V	HL432BIS/UV/HE/W VE232NW	Instant Start	4-lamp	YES
	120-277V	HIPHE	Instant Start	2-lamp	No Test

Note: 1. Absence of a ballast from this chart does not imply incompatibility. Please reference the ballast manufacturer's instructions for installation and further information.

2 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.

3. Please use caution and test lamps in fixtures for an extended period of time to ensure proper operation.

4. Do not proceed with a mass installation until proper operation of the LED tube is verified.

5. Ballast Power Factor(Pf)>0.9

Ballast Total Harmonic Distortion (THD)<20 Percent

Ballast Factor(Bf) > 0.88