

**Item Number 5027100**

LED 10T8/36"/40 Direct Install

## Specifications

- Energy Used (Watts): 10
- Brightness (Lumens): 1450
- Average Rated Hours: 50000
- Color Temperature (Kelvin): 4000
- Beam Spread: 210°
- CRI: 82
- Efficacy (LPW): 145
- Estimated Yearly Energy Cost\*\*: \$1.20
- Package Type: Sleeve
- Approved for use in enclosed fixtures

## Physical Characteristics

- Color Designation: Cool White
- Finish: Frost
- Housing Material: Glass
- Base: G13 (Medium BiPin)
- MOL: 36.00"
- MOD: 1.02"



## Limited Warranty

5 Year Limited

For full warranty information, please follow this link:

[www.westinghouselighting.com/pdfs/warranty-cards/ESF-WH-COMMERCIAL.pdf](http://www.westinghouselighting.com/pdfs/warranty-cards/ESF-WH-COMMERCIAL.pdf)

## Warning

- Turn power off before inspection, installation, or removal.
- Risk of electric shock - Do not use where exposed to water or weather.
- Suitable for Damp Locations - The lamp is suitable for use in wet locations when used in an outdoor rated fixture.
- Do not open - no user serviceable parts inside.
- This device is not intended for use with emergency exit luminaires or emergency exit lights.
- This device complies with Part 15 of the FCC rules and has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to the radio communication. Any changes or modifications not expressly approved by the manufacturer could avoid the user's authority to operate the equipment.

Specifications are subject to change without notice, please visit [www.westinghouselighting.com](http://www.westinghouselighting.com) for latest information.

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\*\* Based on 3hrs./day 11¢/kWh - Cost depends on rates and use.

# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
ACT	ACT 2P32ISUNVE	INSTANT START	1	N	120/277	Compatible
ACT	ACT 2P32ISUNVE	INSTANT START	2	N	120/277	Compatible
ANTRON ELECTRONICS	A32T8MICLO	INSTANT START	1	L	120/277	Compatible
ANTRON ELECTRONICS	A32T8MICLO	INSTANT START	2	L	120/277	Compatible
ARCATA	ACT 3P32ISUNVLE	INSTANT START	2	L	120/277	Compatible
ARCATA	ACT 3P32ISUNVLE	INSTANT START	3	L	120/277	Compatible
DAMAR	EL232-120/277HF(1688B)	INSTANT START	1	N	120/277	NOT Compatible
DAMAR	EL232-120/277HF(1688B)	INSTANT START	2	N	120/277	NOT Compatible
DAMAR	EL232DIM/120/277HF	PROGRAM START	1	L	120/277	NOT Compatible
DAMAR	EL232DIM/120/277HF	PROGRAM START	2	L	120/277	NOT Compatible
DAMAR	EL232HL-120/277HF(1688D)	INSTANT START	1	H	120/277	Compatible
DAMAR	EL232HL-120/277HF(1688D)	INSTANT START	2	H	120/277	Compatible
DAMAR	EL332-120/277HF(3654C)	INSTANT START	2	N	120/277	Compatible
DAMAR	EL332-120/277HF(3654C)	INSTANT START	3	N	120/277	Compatible
DAMAR	EL432HL-120/277HF(3093C)	INSTANT START	3	H	120/277	Compatible
DAMAR	EL432HL-120/277HF(3093C)	INSTANT START	4	H	120/277	Compatible
EIKO	PM-2x32T8-UNV-IS-H	INSTANT START	1	H	120/277	Compatible
EIKO	PM-2x32T8-UNV-IS-H	INSTANT START	2	H	120/277	Compatible
EIKO	PM-2x32T8-UNV-PS	PROGRAM START	1	N	120/277	NOT Compatible
EIKO	PM-2x32T8-UNV-PS	PROGRAM START	2	N	120/277	NOT Compatible
EIKO	PM-2X32T8-UNV-IS	INSTANT START	1	N	120/277	Compatible
EIKO	PM-2X32T8-UNV-IS	INSTANT START	2	N	120/277	Compatible
EIKO	PM-2X32T8-UNV-IS-L	INSTANT START	1	L	120/277	Compatible
EIKO	PM-2X32T8-UNV-IS-L	INSTANT START	2	L	120/277	Compatible
EIKO	PM-3X32T8-UNV-IS	INSTANT START	2	N	120/277	Compatible
EIKO	PM-3X32T8-UNV-IS	INSTANT START	3	N	120/277	Compatible
EIKO	PM-3X32T8-UNV-IS-H	INSTANT START	2	H	120/277	Compatible
EIKO	PM-3X32T8-UNV-IS-H	INSTANT START	3	H	120/277	Compatible
EIKO	PM-3X32T8-UNV-IS-L	INSTANT START	2	L	120/277	Compatible
EIKO	PM-3X32T8-UNV-IS-L	INSTANT START	3	L	120/277	Compatible
EIKO	PM-3X32T8-UNV-PS	PROGRAM START	2	N	120/277	NOT Compatible
EIKO	PM-3X32T8-UNV-PS	PROGRAM START	3	N	120/277	NOT Compatible
EIKO	PM-3X32T8-UNV-PS-H	PROGRAM START	2	H	120/277	NOT Compatible
EIKO	PM-3X32T8-UNV-PS-H	PROGRAM START	3	H	120/277	NOT Compatible
EIKO	PM-4X32T8-UNV-IS	INSTANT START	3	N	120/277	Compatible
EIKO	PM-4X32T8-UNV-IS	INSTANT START	4	N	120/277	Compatible
EIKO	PM-4X32T8-UNV-IS-L	INSTANT START	3	L	120/277	Compatible
EIKO	PM-4X32T8-UNV-IS-L	INSTANT START	4	L	120/277	Compatible
ESPEN	VE232MVHIPE	INSTANT START	1	N	120/277	Compatible
ESPEN	VE232MVHIPE	INSTANT START	2	N	120/277	Compatible
ESPEN	VE232MVHIPHE	INSTANT START	1	H	120/277	Compatible
ESPEN	VE232MVHIPHE	INSTANT START	2	H	120/277	Compatible
ESPEN	VE232MVHIPL	INSTANT START	1	L	120/277	Compatible
ESPEN	VE232MVHIPL	INSTANT START	2	L	120/277	Compatible
ESPEN	VE232MVHRPHT3-AB	PROGRAM START	1	H	120/277	NOT Compatible
ESPEN	VE232MVHRPHT3-AB	PROGRAM START	2	H	120/277	NOT Compatible
GENERAL ELECTRIC	GEI32MAX-G-N	INSTANT START	1	N	120/277	NOT Compatible
GENERAL ELECTRIC	GEI32MAX-H/ULTRA	INSTANT START	1	H	120/277	Compatible
GENERAL ELECTRIC	GEI32MAX-L/ULTRA	INSTANT START	1	L	120/277	NOT Compatible

# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
GENERAL ELECTRIC	GE132MAXP-N/ULTRA	INSTANT START	1	N	120/277	Compatible
GENERAL ELECTRIC	GE132MVPSN-V03	PROGRAM START	1	N	120/277	NOT Compatible
GENERAL ELECTRIC	GE-232-MAX-G-L	INSTANT START	1	L	120/277	Compatible
GENERAL ELECTRIC	GE-232-MAX-G-L	INSTANT START	2	L	120/277	Compatible
GENERAL ELECTRIC	GE-232-MAX-H/ULTRA	INSTANT START	1	H	120/277	NOT Compatible
GENERAL ELECTRIC	GE-232-MAX-H/ULTRA	INSTANT START	2	H	120/277	NOT Compatible
GENERAL ELECTRIC	GE232MAX-L/ULTRA	INSTANT START	1	L	120/277	Compatible
GENERAL ELECTRIC	GE232MAX-L/ULTRA	INSTANT START	2	L	120/277	Compatible
GENERAL ELECTRIC	GE232MAX-N/ULTRA	INSTANT START	1	N	120/277	Compatible
GENERAL ELECTRIC	GE232MAX-N/ULTRA	INSTANT START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE-232-MV-N	INSTANT START	1	N	120/277	Compatible
GENERAL ELECTRIC	GE-232-MV-N	INSTANT START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE232MV-N-DIY	INSTANT START	1	N	120/277	Compatible
GENERAL ELECTRIC	GE232MV-N-DIY	INSTANT START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE232MVPS-L-S30	PROGRAM START	1	N	120/277	NOT Compatible
GENERAL ELECTRIC	GE232MVPS-L-S30	PROGRAM START	2	N	120/277	NOT Compatible
GENERAL ELECTRIC	GE232-MV-PS-N	PROGRAM START	1	N	120/277	Compatible
GENERAL ELECTRIC	GE232-MV-PS-N	PROGRAM START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-G-N	INSTANT START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-G-N	INSTANT START	3	N	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-L/ULTRA	INSTANT START	2	L	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-L/ULTRA	INSTANT START	3	L	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-N/ULTRA	INSTANT START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-N/ULTRA	INSTANT START	3	N	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-P-H/ULTRA	INSTANT START	2	H	120/277	Compatible
GENERAL ELECTRIC	GE332MAX-P-H/ULTRA	INSTANT START	3	H	120/277	Compatible
GENERAL ELECTRIC	GE332MV-N	INSTANT START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE332MV-N	INSTANT START	3	N	120/277	Compatible
GENERAL ELECTRIC	GE-332-MVPS-N	PROGRAM START	2	N	120/277	Compatible
GENERAL ELECTRIC	GE-332-MVPS-N	PROGRAM START	3	N	120/277	Compatible
GENERAL ELECTRIC	GE332MVPSN-V03	PROGRAM START	2	N	120/277	NOT Compatible
GENERAL ELECTRIC	GE332MVPSN-V03	PROGRAM START	3	N	120/277	NOT Compatible
GENERAL ELECTRIC	GE432-120-RES	INSTANT START	3	N	120	Compatible
GENERAL ELECTRIC	GE432-120-RES	INSTANT START	4	N	120	Compatible
GENERAL ELECTRIC	GE432MAX-G-N	INSTANT START	3	N	120/277	Compatible
GENERAL ELECTRIC	GE432MAX-G-N	INSTANT START	4	N	120/277	Compatible
GENERAL ELECTRIC	GE432MAX-H/ULTRA	INSTANT START	3	H	120/277	Compatible
GENERAL ELECTRIC	GE432MAX-H/ULTRA	INSTANT START	4	H	120/277	Compatible
GENERAL ELECTRIC	GE432MAX-L/ULTRA	INSTANT START	3	L	120/277	Compatible
GENERAL ELECTRIC	GE432MAX-L/ULTRA	INSTANT START	4	L	120/277	Compatible
GENERAL ELECTRIC	GE432MAX-N/ULTRA	INSTANT START	3	N	120/277	Compatible
GENERAL ELECTRIC	GE432MAX-N/ULTRA	INSTANT START	4	N	120/277	Compatible
GENERAL ELECTRIC	GE432MAX347-N	INSTANT START	3	N	347	Compatible
GENERAL ELECTRIC	GE432MAX347-N	INSTANT START	4	N	347	Compatible
GENERAL ELECTRIC	GE432MV-N-42T	INSTANT START	3	N	120/277	Compatible
GENERAL ELECTRIC	GE432MV-N-42T	INSTANT START	4	N	120/277	Compatible
GENERAL ELECTRIC	GE432MVPS-N-V03	PROGRAM START	3	N	120/277	NOT Compatible
GENERAL ELECTRIC	GE432MVPS-N-V03	PROGRAM START	4	N	120/277	NOT Compatible
HALCO	EP232IS/H/MV/HE	INSTANT START	1	H	120/277	Compatible

# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
HALCO	EP232IS/H/MV/HE	INSTANT START	2	H	120/277	Compatible
HALCO	EP232IS/L/MV/HE	INSTANT START	1	L	120/277	Compatible
HALCO	EP232IS/L/MV/HE	INSTANT START	2	L	120/277	Compatible
HALCO	EP232IS/MV/HE	INSTANT START	1	N	120/277	Compatible
HALCO	EP232IS/MV/HE	INSTANT START	2	N	120/277	Compatible
HALCO	EP332IS/L/MV/HE	INSTANT START	2	L	120/277	Compatible
HALCO	EP332IS/L/MV/HE	INSTANT START	3	L	120/277	Compatible
HALCO	EP332IS/MV/HE	INSTANT START	2	N	120/277	Compatible
HALCO	EP332IS/MV/HE	INSTANT START	3	N	120/277	Compatible
HALCO	EP432IS/L/MV/HE	INSTANT START	3	L	120/277	Compatible
HALCO	EP432IS/L/MV/HE	INSTANT START	4	L	120/277	Compatible
HALCO	EP432IS/MV/HE	INSTANT START	3	N	120/277	Compatible
HALCO	EP432IS/MV/HE	INSTANT START	4	N	120/277	Compatible
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	INSTANT START	1	N	120/277	Compatible
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	INSTANT START	2	N	120/277	Compatible
HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE	PROGRAM RAPID START	1	N	120/277	NOT Compatible
HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE	PROGRAM RAPID START	2	N	120/277	NOT Compatible
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	INSTANT START	2	N	120/277	Compatible
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	INSTANT START	3	N	120/277	Compatible
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	INSTANT START	3	N	120/277	Compatible
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	INSTANT START	4	N	120/277	Compatible
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	INSTANT START	1	H	120/277	Compatible
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	INSTANT START	2	H	120/277	Compatible
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	INSTANT START	3	H	120/277	NOT Compatible
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	INSTANT START	4	H	120/277	NOT Compatible
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	INSTANT START	2	L	120/277	Compatible
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	INSTANT START	3	L	120/277	Compatible
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	INSTANT START	3	L	120/277	Compatible
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	INSTANT START	4	L	120/277	Compatible
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	INSTANT START	1	N	120	Compatible
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	INSTANT START	2	N	120	Compatible
KEYSTONE	KTEB-232-UV-IS-H-P	INSTANT START	1	H	120/277	Compatible
KEYSTONE	KTEB-232-UV-IS-H-P	INSTANT START	2	H	120/277	Compatible
KEYSTONE	KTEB-232-UV-IS-N-P	INSTANT START	1	N	120/277	Compatible
KEYSTONE	KTEB-232-UV-IS-N-P	INSTANT START	2	N	120/277	Compatible
KEYSTONE	KTEB-332-UV-IS-N-P	INSTANT START	2	N	120/277	Compatible
KEYSTONE	KTEB-332-UV-IS-N-P	INSTANT START	3	N	120/277	Compatible
KEYSTONE	KTEB-432RIS-1-TP-SL	INSTANT START	3	N	120	Compatible
KEYSTONE	KTEB-432RIS-1-TP-SL	INSTANT START	4	N	120	Compatible
KEYSTONE	KTEB-432-UV-IS-H-P	INSTANT START	3	H	120/277	Compatible
KEYSTONE	KTEB-432-UV-IS-H-P	INSTANT START	4	H	120/277	Compatible
KEYSTONE	KTEB-432-UV-IS-N-P	INSTANT START	3	N	120/277	Compatible
KEYSTONE	KTEB-432-UV-IS-N-P	INSTANT START	4	N	120/277	Compatible
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	INSTANT START	2	L	120/277	Compatible
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	INSTANT START	3	L	120/277	Compatible
MAXLITE	MLEU324HE/SC	INSTANT START	3	N	120/277	Compatible
MAXLITE	MLEU324HE/SC	INSTANT START	4	N	120/277	Compatible
MAXLITE	SKEU322HEL/SC	INSTANT START	1	N	120/277	Compatible



# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
MAXLITE	SKEU322HEL/SC	INSTANT START	2	N	120/277	Compatible
MAXLITE	SKEU323L/SC	INSTANT START	2	L	120/277	Compatible
MAXLITE	SKEU323L/SC	INSTANT START	3	L	120/277	Compatible
MAXLITE	SKEU324HE/SC	INSTANT START	3	N	120/277	Compatible
MAXLITE	SKEU324HE/SC	INSTANT START	4	N	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/347 PSN-SC	PROGRAM RAPID START	1	N	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 2X32T8/347 PSN-SC	PROGRAM RAPID START	2	N	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 1X32T8/UNV DIM-TC	PROGRAM START	1	N	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	INSTANT START	1	L	120/277	Compatible
OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	INSTANT START	1	N	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PROGRAM RAPID START	1	N	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PROGRAM RAPID START	2	N	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH HT-SC	INSTANT START	1	H	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH HT-SC	INSTANT START	2	H	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH-SC	INSTANT START	1	H	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH-SC	INSTANT START	2	H	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC	INSTANT START	1	L	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC	INSTANT START	2	L	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC	INSTANT START	1	N	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC	INSTANT START	2	N	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT	PROGRAM RAPID START	1	H	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT	PROGRAM RAPID START	2	H	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	PROGRAM RAPID START	1	N	120/277	Compatible
OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	PROGRAM RAPID START	2	N	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-SC	INSTANT START	2	H	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-SC	INSTANT START	3	H	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-HT-SC	INSTANT START	2	H	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-HT-SC	INSTANT START	3	H	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	INSTANT START	2	L	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	INSTANT START	3	L	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	INSTANT START	2	N	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	INSTANT START	3	N	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV PSH-HT-SC	PROGRAM START	2	H	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV PSH-HT-SC	PROGRAM START	3	H	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV PSN-SC	PROGRAM RAPID START	2	N	120/277	Compatible
OSRAM SYLVANIA	QHE 3X32T8/UNV PSN-SC	PROGRAM RAPID START	3	N	120/277	Compatible
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH-SC	INSTANT START	3	H	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH-SC	INSTANT START	4	H	120/277	NOT Compatible
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC	INSTANT START	3	L	120/277	Compatible
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC	INSTANT START	4	L	120/277	Compatible
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	INSTANT START	3	N	120/277	Compatible
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	INSTANT START	4	N	120/277	Compatible
OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC	PROGRAM RAPID START	3	N	120/277	Compatible
OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC	PROGRAM RAPID START	4	N	120/277	Compatible
OSRAM SYLVANIA	QHES 2X32T8/UNV PSL-SC	PROGRAM RAPID START	1	L	120/277	NOT Compatible
OSRAM SYLVANIA	QHES 2X32T8/UNV PSL-SC	PROGRAM RAPID START	2	L	120/277	Compatible
OSRAM SYLVANIA	QT 2X32/347 ISH-SC	INSTANT START	1	H	347	Compatible
OSRAM SYLVANIA	QT 2X32/347 ISH-SC	INSTANT START	2	H	347	Compatible
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	INSTANT START	1	L	120/277	Compatible



# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	INSTANT START	2	L	120/277	Compatible
OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	INSTANT START	1	N	120/277	Compatible
OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	INSTANT START	2	N	120/277	Compatible
OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	INSTANT START	2	N	120/277	Compatible
OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	INSTANT START	3	N	120/277	Compatible
OSRAM SYLVANIA	QTP 3X32T8/UNV PSX-SC	PROGRAM RAPID START	2	L	120/277	NOT Compatible
OSRAM SYLVANIA	QTP 3X32T8/UNV PSX-SC	PROGRAM RAPID START	3	L	120/277	NOT Compatible
OSRAM SYLVANIA	QTP2x32T8/UNV DIM-TC	PROGRAM START	1	N	120/277	NOT Compatible
OSRAM SYLVANIA	QTP2x32T8/UNV DIM-TC	PROGRAM START	2	N	120/277	NOT Compatible
OSRAM SYLVANIA	QTP3X32T8/UNV PSN-SC	PROGRAM RAPID START	2	N	120/277	NOT Compatible
OSRAM SYLVANIA	QTP3X32T8/UNV PSN-SC	PROGRAM RAPID START	3	N	120/277	NOT Compatible
PACIFIC FLUORESCENT	EB-232IS-120-RES	INSTANT START	1	N	120	Compatible
PACIFIC FLUORESCENT	EB-232IS-120-RES	INSTANT START	2	N	120	Compatible
PHILIPS-ADVANCE	ICN-132-MC	INSTANT START	1	N	120/277	Compatible
PHILIPS-ADVANCE	ICN-1P32-N	INSTANT START	1	N	120/277	NOT Compatible
PHILIPS-ADVANCE	ICN-2P32-N	INSTANT START	1	N	120/277	Compatible
PHILIPS-ADVANCE	ICN-2P32-N	INSTANT START	2	N	120/277	Compatible
PHILIPS-ADVANCE	ICN-3P32-N	INSTANT START	2	N	120/277	NOT Compatible
PHILIPS-ADVANCE	ICN-3P32-N	INSTANT START	3	N	120/277	NOT Compatible
PHILIPS-ADVANCE	ICN-3P32-SC	INSTANT START	2	N	120/277	Compatible
PHILIPS-ADVANCE	ICN-3P32-SC	INSTANT START	3	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-1P32-N	INSTANT START	1	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-2P32HL-SC	INSTANT START	1	H	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-2P32HL-SC	INSTANT START	2	H	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-2P32-LW-N	INSTANT START	1	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-2P32-LW-N	INSTANT START	2	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-2P32-N	INSTANT START	1	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-2P32-N	INSTANT START	2	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-2PSP32-LW-N	PROGRAM START	1	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-2PSP32-LW-N	PROGRAM START	2	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-2PSP32-N	PROGRAM START	1	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-2PSP32-N	PROGRAM START	2	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-2S32-SC	PROGRAM START	1	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-2S32-SC	PROGRAM START	2	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-3P32HL-90C-SC	INSTANT START	2	H	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-3P32HL-90C-SC	INSTANT START	3	H	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-3PSP32-LW-SC	PROGRAM START	2	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-3PSP32-LW-SC	PROGRAM START	3	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-3PSP32-SC	PROGRAM START	2	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-3PSP32-SC	PROGRAM START	3	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-4P32-HL-SC	INSTANT START	3	H	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-4P32-HL-SC	INSTANT START	4	H	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-4P32-LW-N	INSTANT START	3	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-4P32-LW-N	INSTANT START	4	L	120/277	Compatible
PHILIPS-ADVANCE	IOP-4P32-N	INSTANT START	3	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-4P32-N	INSTANT START	4	N	120/277	Compatible
PHILIPS-ADVANCE	IOP-4P32-SC	INSTANT START	3	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-4P32-SC	INSTANT START	4	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IOP-4PSP32-LW-SC	PROGRAM START	3	L	120/277	Compatible



# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
PHILIPS-ADVANCE	IOP-4PSP32-LW-SC	PROGRAM START	4	L	120/277	Compatible
PHILIPS-ADVANCE	IOPA-1P32-N	INSTANT START	1	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IOPA-3P32-LW-N	INSTANT START	2	L	120/277	NOT Compatible
PHILIPS-ADVANCE	IOPA-3P32-LW-N	INSTANT START	3	L	120/277	NOT Compatible
PHILIPS-ADVANCE	IOPA-4P32-SC	INSTANT START	3	N	120/277	Compatible
PHILIPS-ADVANCE	IOPA-4P32-SC	INSTANT START	4	N	120/277	Compatible
PHILIPS-ADVANCE	IZT-2PSP32-SC	PROGRAM START	1	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IZT-2PSP32-SC	PROGRAM START	2	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IZT-2S32-SC	PROGRAM START	1	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IZT-2S32-SC	PROGRAM START	2	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IZT-3PSP32-SC	PROGRAM START	2	N	120/277	NOT Compatible
PHILIPS-ADVANCE	IZT-3PSP32-SC	PROGRAM START	3	N	120/277	NOT Compatible
PHILIPS-ADVANCE	REL-2P32-N	INSTANT START	1	H	120/277	Compatible
PHILIPS-ADVANCE	REL-2P32-N	INSTANT START	2	H	120/277	Compatible
PHILIPS-ADVANCE	REB-4P32-SC	INSTANT START	3	N	120	Compatible
PHILIPS-ADVANCE	REB-4P32-SC	INSTANT START	4	N	120	Compatible
PHILIPS-ADVANCE	REZ-132-SC	PROGRAM START	1	H	120	NOT Compatible
PHILIPS-ADVANCE	REZ-2S32-SC	PROGRAM START	1	N	120	NOT Compatible
PHILIPS-ADVANCE	REZ-2S32-SC	PROGRAM START	2	N	120	NOT Compatible
PHILIPS-ADVANCE	REZ-3S32-SC	PROGRAM START	2	N	120	NOT Compatible
PHILIPS-ADVANCE	REZ-3S32-SC	PROGRAM START	3	N	120	NOT Compatible
PHILIPS-ADVANCE	VEL-2P32-RH-TP	INSTANT START	1	N	277	Compatible
PHILIPS-ADVANCE	VEL-2P32-RH-TP	INSTANT START	2	N	277	Compatible
PLUSRITE	BAF232IS/MV	INSTANT START	1	N	120/277	Compatible
PLUSRITE	BAF232IS/MV	INSTANT START	2	N	120/277	Compatible
PLUSRITE	BAF232IS/MV/L	INSTANT START	1	L	120/277	Compatible
PLUSRITE	BAF232IS/MV/L	INSTANT START	2	L	120/277	Compatible
PLUSRITE	BAF332IS/MV	INSTANT START	2	N	120/277	Compatible
PLUSRITE	BAF332IS/MV	INSTANT START	3	N	120/277	Compatible
PLUSRITE	BAF432IS/MV	INSTANT START	3	N	120/277	Compatible
PLUSRITE	BAF432IS/MV	INSTANT START	4	N	120/277	Compatible
PLUSRITE	BAF432IS/MV/L	INSTANT START	3	L	120/277	Compatible
PLUSRITE	BAF432IS/MV/L	INSTANT START	4	L	120/277	Compatible
PROLUME	EP232IS/L/MV/SL	INSTANT START	1	L	120/277	Compatible
PROLUME	EP232IS/L/MV/SL	INSTANT START	2	L	120/277	Compatible
PROLUME	E432IS/120/R/SL	INSTANT START	3	N	120	Compatible
PROLUME	E432IS/120/R/SL	INSTANT START	4	N	120	Compatible
SUNPARK	120-1/32IS HPF	INSTANT START	1	N	120	Compatible
SUNPARK	120-3/32IS MPF	INSTANT START	2	N	120	Compatible
SUNPARK	120-3/32IS MPF	INSTANT START	3	N	120	Compatible
SUNPARK	LC 12013T	PROGRAM START	1	H	120	NOT Compatible
SUNPARK	SL15T	PROGRAM START	1	N	120	Compatible
SUNPARK	SL15T	PROGRAM START	2	N	120	Compatible
SUNPARK	U-2/32IS HBF	INSTANT START	1	H	120/277	Compatible
SUNPARK	U-2/32IS HBF	INSTANT START	2	H	120/277	Compatible
SUNPARK	U-2/32ISE-LBF	INSTANT START	1	L	120/277	Compatible
SUNPARK	U-2/32ISE-LBF	INSTANT START	2	L	120/277	Compatible
SUNPARK	U-2/32PSE	RAPID START	1	N	120/277	NOT Compatible
SUNPARK	U-2/32PSE	RAPID START	2	N	120/277	NOT Compatible

# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
SUNPARK	U-2/32PSE-HBF	RAPID START	1	H	120/277	NOT Compatible
SUNPARK	U-2/32PSE-HBF	RAPID START	2	H	120/277	NOT Compatible
SUNPARK	U-232PS3	RAPID START	1	N	120/277	NOT Compatible
SUNPARK	U-232PS3	RAPID START	2	N	120/277	NOT Compatible
SUNPARK	U-232PS3-HBF	RAPID START	1	H	120/277	NOT Compatible
SUNPARK	U-232PS3-HBF	RAPID START	2	H	120/277	NOT Compatible
SUNPARK	U-3/32ISE	INSTANT START	2	N	120/277	Compatible
SUNPARK	U-3/32ISE	INSTANT START	3	N	120/277	Compatible
SUNPARK	U-3/32ISE-HBF	INSTANT START	2	H	120/277	Compatible
SUNPARK	U-3/32ISE-HBF	INSTANT START	3	H	120/277	Compatible
SUNPARK	U-4/32IS HBF	INSTANT START	3	H	120/277	Compatible
SUNPARK	U-4/32IS HBF	INSTANT START	4	H	120/277	Compatible
SUNPARK	U-4/32IS HP,F	INSTANT START	3	N	120/277	Compatible
SUNPARK	U-4/32IS HP,F	INSTANT START	4	N	120/277	Compatible
SUNPARK	U-4/32ISE-LBF	INSTANT START	3	L	120/277	Compatible
SUNPARK	U-4/32ISE-LBF	INSTANT START	4	L	120/277	Compatible
SUPERIOR LIFE	70210	PROGRAM START	1	N	120/277	NOT Compatible
SUPERIOR LIFE	70210	PROGRAM START	2	N	120/277	NOT Compatible
SUPERIOR LIFE	70211	PROGRAM START	3	N	120/277	NOT Compatible
SUPERIOR LIFE	70211	PROGRAM START	4	N	120/277	NOT Compatible
SYLVANIA	QT 3x32/277 IS	INSTANT START	2	N	277	Compatible
SYLVANIA	QT 3x32/277 IS	INSTANT START	2	N	277	Compatible
SYLVANIA	QT 2X3277 IS-SC	INSTANT START	3	N	277	Compatible
SYLVANIA	QT 2X3277 IS-SC	INSTANT START	1	N	277	Compatible
TCP	E2P32ISUNVHE	INSTANT START	1	H	120/277	NOT Compatible
TCP	E2P32ISUNVHE	INSTANT START	2	H	120/277	NOT Compatible
TCP	E3P32ISUNVE	INSTANT START	2	N	120/277	Compatible
TCP	E3P32ISUNVE	INSTANT START	3	N	120/277	Compatible
TCP	E4P32ISUNVHE	INSTANT START	3	H	120/277	Compatible
TCP	E4P32ISUNVHE	INSTANT START	4	H	120/277	Compatible
TCP	E4P32ISUNVLE	INSTANT START	3	L	120/277	Compatible
TCP	E4P32ISUNVLE	INSTANT START	4	L	120/277	NOT Compatible
TOPAZ	B232IUNVHEH/A-TPZ	INSTANT START	1	H	120/277	Compatible
TOPAZ	B232IUNVHEH/A-TPZ	INSTANT START	2	H	120/277	Compatible
TOPAZ	B432IUNVHEH/A-TPZ	INSTANT START	3	H	120/277	Compatible
TOPAZ	B432IUNVHEH/A-TPZ	INSTANT START	4	H	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232I120RES-A	INSTANT START	1	N	120	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232I120RES-A	INSTANT START	2	N	120	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNV-C	INSTANT START	1	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNV-C	INSTANT START	2	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVEL-A	INSTANT START	1	L	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVEL-A	INSTANT START	2	L	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVHP-B	INSTANT START	1	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVHP-B	INSTANT START	2	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232PU104S50A	PROGRAM RAPID START	1	H	120/277	NOT Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232PU104S50A	PROGRAM RAPID START	2	H	120/277	NOT Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHP-A	PROGRAM START	1	N	120/277	NOT Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHP-A	PROGRAM START	2	N	120/277	NOT Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B233IUNVHE-A	INSTANT START	1	N	120/277	Compatible



# Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
UNIVERSAL LIGHTING TECHNOLOGIES	B233IUNVHE-A	INSTANT START	2	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B332IUNVHP-A	INSTANT START	2	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B332IUNVHP-A	INSTANT START	3	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B332PUNVHEH-A	PROGRAM START	2	H	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B332PUNVHEH-A	PROGRAM START	3	H	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B332I277RH-A	INSTANT START	2	N	277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B332I277RH-A	INSTANT START	3	N	277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE-A	INSTANT START	3	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE-A	INSTANT START	4	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHEH-E	INSTANT START	3	H	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHEH-E	INSTANT START	4	H	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE L-A	INSTANT START	3	L	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE L-A	INSTANT START	4	L	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHP-A	INSTANT START	3	N	120/277	Compatible
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHP-A	INSTANT START	4	N	120/277	Compatible
WATRAN	DB-232N-MV-TP-HE	INSTANT START	1	N	120/277	Compatible
WATRAN	DB-232N-MV-TP-HE	INSTANT START	2	N	120/277	Compatible
WATRAN	DB-332N-MV-TP-HE	INSTANT START	2	N	120/277	Compatible
WATRAN	DB-332N-MV-TP-HE	INSTANT START	3	N	120/277	Compatible
WATRAN	DB-432L-MV-TP-HE	INSTANT START	3	L	120/277	Compatible
WATRAN	DB-432L-MV-TP-HE	INSTANT START	4	L	120/277	Compatible
WATRAN	DB-432N-MV-TP-HE	INSTANT START	3	N	120/277	Compatible
WATRAN	DB-432N-MV-TP-HE	INSTANT START	4	N	120/277	Compatible
WATRAN	DBG32N-MV-TP-PS-HL	PROGRAM START	2	H	120/277	NOT Compatible

## Emergency Ballast

Ballast Brand	Ballast Model #	Starting Method	# of Lamps	Status
ESPEN	VEM500DV(L)	AC	1	Compatible
ESPEN	VEM700DV(L)	AC	1	Compatible
EXITRONIX	XEB-7-B-LM	AC	1	Compatible
KEYSTONE	KT-EMRG-800-T5	AC	1	Compatible
KEYSTONE	KT-EMRG-1400	DC	1	Compatible
POWER SENTRY	PSQ500QD MVOLT	DC	1	Compatible
TAMLITE	BAL1400LPACTD	AC	1	Compatible
TAMLITE	PAC0457	AC	1	Compatible

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