



SPECIFICATION SHEET

T8 Direct Install LED Lamp

Operates with Compatible Ballast

Item Number **50390**

Specifications

Energy Used (Watts).....	8
Domestic Code	LED 8T8/24"/35 Direct Install
Volts	Ballast Dependant
Brightness (Lumens)	1200
Average Rated Hours.....	50,000
Life in Years (3 hrs./day)	45.6
Life in Years (12 hrs./day)	11.4
Light Appearance (Kelvin).....	3500
CRI	82
Efficacy (LPW).....	150
Number of LED Modules.....	60
Minimum Starting Temperature.....	-20°C/-4°F
Estimated Yearly Energy Cost*	\$0.96
Package Type	Sleeve
Non-shunted Tombstones Required.....	No

Can be used in totally enclosed fixtures.

Direct replacement for 2 foot T8 fluorescent lamps.



Physical Characteristics

Color Designation	Cool White
Finish.....	Frost
Base.....	G13 (Medium BiPin)
MOL	23.78"



Warning

- Turn power off before inspection, installation, or removal.
- Risk of electric shock - Do not use where exposed to water or weather.
- 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 radio communications. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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

Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
ACT	ACT 2P32ISUNVE	INSTANT START	1	N	120/277	
ACT	ACT 2P32ISUNVE	INSTANT START	2	N	120/277	
ANTRON ELECTRONICS	A32T8MICLO	INSTANT START	1	L	120/277	
ANTRON ELECTRONICS	A32T8MICLO	INSTANT START	2	L	120/277	
ARCATA	ACT 3P32ISUNVLE	INSTANT START	2	L	120/277	
ARCATA	ACT 3P32ISUNVLE	INSTANT START	3	L	120/277	
DAMAR	EL232-120/277HF(1688B)	INSTANT START	1	N	120/277	
DAMAR	EL232-120/277HF(1688B)	INSTANT START	2	N	120/277	
DAMAR	EL232DIM/120/277HF	PROGRAM START	1	L	120/277	
DAMAR	EL232DIM/120/277HF	PROGRAM START	2	L	120/277	
DAMAR	EL232HL-120/277HF(1688D)	INSTANT START	1	H	120/277	
DAMAR	EL232HL-120/277HF(1688D)	INSTANT START	2	H	120/277	
DAMAR	EL332-120/277HF(3654C)	INSTANT START	2	N	120/277	
DAMAR	EL332-120/277HF(3654C)	INSTANT START	3	N	120/277	
DAMAR	EL332HL-120/277HF(3654H)	INSTANT START	2	H	120/277	
DAMAR	EL332HL-120/277HF(3654H)	INSTANT START	3	H	120/277	
DAMAR	EL432-120/277HF(3093B)	INSTANT START	3	N	120/277	
DAMAR	EL432-120/277HF(3093B)	INSTANT START	4	N	120/277	
DAMAR	EL432HL-120/277HF(3093C)	INSTANT START	3	H	120/277	
DAMAR	EL432HL-120/277HF(3093C)	INSTANT START	4	H	120/277	
EIKO	PM-2x32T8-UNV-IS-H	INSTANT START	1	H	120/277	
EIKO	PM-2x32T8-UNV-IS-H	INSTANT START	2	H	120/277	
EIKO	PM-2x32T8-UNV-PS	PROGRAM START	1	N	120/277	
EIKO	PM-2x32T8-UNV-PS	PROGRAM START	2	N	120/277	
EIKO	PM-2X32T8-UNV-IS	INSTANT START	1	N	120/277	
EIKO	PM-2X32T8-UNV-IS	INSTANT START	2	N	120/277	
EIKO	PM-2X32T8-UNV-IS-L	INSTANT START	1	L	120/277	
EIKO	PM-2X32T8-UNV-IS-L	INSTANT START	2	L	120/277	
EIKO	PM-3X32T8-UNV-IS	INSTANT START	2	N	120/277	
EIKO	PM-3X32T8-UNV-IS	INSTANT START	3	N	120/277	
EIKO	PM-3X32T8-UNV-IS-H	INSTANT START	2	H	120/277	
EIKO	PM-3X32T8-UNV-IS-H	INSTANT START	3	H	120/277	
EIKO	PM-3X32T8-UNV-IS-L	INSTANT START	2	L	120/277	
EIKO	PM-3X32T8-UNV-IS-L	INSTANT START	3	L	120/277	
EIKO	PM-3X32T8-UNV-PS	PROGRAM START	2	N	120/277	
EIKO	PM-3X32T8-UNV-PS	PROGRAM START	3	N	120/277	
EIKO	PM-3X32T8-UNV-PS-H	PROGRAM START	2	H	120/277	
EIKO	PM-3X32T8-UNV-PS-H	PROGRAM START	3	H	120/277	
EIKO	PM-4X32T8-UNV-IS	INSTANT START	3	N	120/277	
EIKO	PM-4X32T8-UNV-IS	INSTANT START	4	N	120/277	
EIKO	PM-4X32T8-UNV-IS-L	INSTANT START	3	L	120/277	
EIKO	PM-4X32T8-UNV-IS-L	INSTANT START	4	L	120/277	
ESPEN	VE232MVHIPE	INSTANT START	1	N	120/277	
ESPEN	VE232MVHIPE	INSTANT START	2	N	120/277	
ESPEN	VE232MVHIPHE	INSTANT START	1	H	120/277	
ESPEN	VE232MVHIPHE	INSTANT START	2	H	120/277	
ESPEN	VE232MVHIPLE	INSTANT START	1	L	120/277	
ESPEN	VE232MVHIPLE	INSTANT START	2	L	120/277	
ESPEN	VE232MVHRPHT3-AB	PROGRAM START	1	H	120/277	



Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
ESPEN	VE232MVHRPHT3-AB	PROGRAM START	2	H	120/277	
GENERAL ELECTRIC	GEI32MAX-G-N	INSTANT START	1	N	120/277	
GENERAL ELECTRIC	GEI32MAX-H/ULTRA	INSTANT START	1	H	120/277	
GENERAL ELECTRIC	GEI32MAX-L/ULTRA	INSTANT START	1	L	120/277	
GENERAL ELECTRIC	GEI32MAXP-N/ULTRA	INSTANT START	1	N	120/277	
GENERAL ELECTRIC	GEI32MVPSN-V03	PROGRAM START	1	N	120/277	
GENERAL ELECTRIC	GE-232-MAX-G-L	INSTANT START	1	L	120/277	
GENERAL ELECTRIC	GE-232-MAX-G-L	INSTANT START	2	L	120/277	
GENERAL ELECTRIC	GE-232-MAX-H/ULTRA	INSTANT START	1	H	120/277	
GENERAL ELECTRIC	GE-232-MAX-H/ULTRA	INSTANT START	2	H	120/277	
GENERAL ELECTRIC	GE232MAX-L/ULTRA	INSTANT START	1	L	120/277	
GENERAL ELECTRIC	GE232MAX-L/ULTRA	INSTANT START	2	L	120/277	
GENERAL ELECTRIC	GE232MAX-N/ULTRA	INSTANT START	1	N	120/277	
GENERAL ELECTRIC	GE232MAX-N/ULTRA	INSTANT START	2	N	120/277	
GENERAL ELECTRIC	GE232MAXP90-V60	INSTANT START	1	H	120/277	
GENERAL ELECTRIC	GE232MAXP90-V60	INSTANT START	2	H	120/277	
GENERAL ELECTRIC	GE-232-MV-N	INSTANT START	1	N	120/277	
GENERAL ELECTRIC	GE-232-MV-N	INSTANT START	2	N	120/277	
GENERAL ELECTRIC	GE232MV-N-DIY	INSTANT START	1	N	120/277	
GENERAL ELECTRIC	GE232MV-N-DIY	INSTANT START	2	N	120/277	
GENERAL ELECTRIC	GE232MVPS-L-S30	PROGRAM START	1	N	120/277	
GENERAL ELECTRIC	GE232MVPS-L-S30	PROGRAM START	2	N	120/277	
GENERAL ELECTRIC	GE232-MV-PS-N	PROGRAM START	1	N	120/277	
GENERAL ELECTRIC	GE232-MV-PS-N	PROGRAM START	2	N	120/277	
GENERAL ELECTRIC	GE332MAX-G-N	INSTANT START	2	N	120/277	
GENERAL ELECTRIC	GE332MAX-G-N	INSTANT START	3	N	120/277	
GENERAL ELECTRIC	GE332MAX-L/ULTRA	INSTANT START	2	L	120/277	
GENERAL ELECTRIC	GE332MAX-L/ULTRA	INSTANT START	3	L	120/277	
GENERAL ELECTRIC	GE332MAX-N/ULTRA	INSTANT START	2	N	120/277	
GENERAL ELECTRIC	GE332MAX-N/ULTRA	INSTANT START	3	N	120/277	
GENERAL ELECTRIC	GE332MAXP90-V60	INSTANT START	2	H	120/277	
GENERAL ELECTRIC	GE332MAXP90-V60	INSTANT START	3	H	120/277	
GENERAL ELECTRIC	GE332MAXP-H/ULTRA	INSTANT START	2	H	120/277	
GENERAL ELECTRIC	GE332MAXP-H/ULTRA	INSTANT START	3	H	120/277	
GENERAL ELECTRIC	GE332MAXP-L/ULTRA	INSTANT START	2	L	120/277	
GENERAL ELECTRIC	GE332MAXP-L/ULTRA	INSTANT START	3	L	120/277	
GENERAL ELECTRIC	GE332MV-N	INSTANT START	2	N	120/277	
GENERAL ELECTRIC	GE332MV-N	INSTANT START	3	N	120/277	
GENERAL ELECTRIC	GE-332-MVPS-N	PROGRAM START	2	N	120/277	
GENERAL ELECTRIC	GE-332-MVPS-N	PROGRAM START	3	N	120/277	
GENERAL ELECTRIC	GE332MVPSN-V03	PROGRAM START	2	N	120/277	
GENERAL ELECTRIC	GE332MVPSN-V03	PROGRAM START	3	N	120/277	
GENERAL ELECTRIC	GE432-120-RES	INSTANT START	3	N	120	
GENERAL ELECTRIC	GE432-120-RES	INSTANT START	4	N	120	
GENERAL ELECTRIC	GE432MAX347-N	INSTANT START	3	N	347	
GENERAL ELECTRIC	GE432MAX347-N	INSTANT START	4	N	347	
GENERAL ELECTRIC	GE432MAX-G-N	INSTANT START	3	N	120/277	
GENERAL ELECTRIC	GE432MAX-G-N	INSTANT START	4	N	120/277	
GENERAL ELECTRIC	GE432MAX-H/ULTRA	INSTANT START	3	H	120/277	

Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
GENERAL ELECTRIC	GE432MAX-H/ULTRA	INSTANT START	4	H	120/277	
GENERAL ELECTRIC	GE432MAX-L/ULTRA	INSTANT START	3	L	120/277	
GENERAL ELECTRIC	GE432MAX-L/ULTRA	INSTANT START	4	L	120/277	
GENERAL ELECTRIC	GE432MAX-N/ULTRA	INSTANT START	3	N	120/277	
GENERAL ELECTRIC	GE432MAX-N/ULTRA	INSTANT START	4	N	120/277	
GENERAL ELECTRIC	GE432MAXP90-S60	INSTANT START	3	H	120/277	
GENERAL ELECTRIC	GE432MAXP90-S60	INSTANT START	4	H	120/277	
GENERAL ELECTRIC	GE432MV-N-42T	INSTANT START	3	N	120/277	
GENERAL ELECTRIC	GE432MV-N-42T	INSTANT START	4	N	120/277	
GENERAL ELECTRIC	GE432-MVPS-N	PROGRAM START	3	N	120/277	
GENERAL ELECTRIC	GE432-MVPS-N	PROGRAM START	4	N	120/277	
GENERAL ELECTRIC	GE432MVPS-N-V03	PROGRAM START	3	N	120/277	
GENERAL ELECTRIC	GE432MVPS-N-V03	PROGRAM START	4	N	120/277	
HALCO	EP232IS/H/MV/HE	INSTANT START	1	H	120/277	
HALCO	EP232IS/H/MV/HE	INSTANT START	2	H	120/277	
HALCO	EP232IS/L/MV/HE	INSTANT START	1	L	120/277	
HALCO	EP232IS/L/MV/HE	INSTANT START	2	L	120/277	
HALCO	EP232IS/MV/HE	INSTANT START	1	N	120/277	
HALCO	EP232IS/MV/HE	INSTANT START	2	N	120/277	
HALCO	EP332IS/L/MV/HE	INSTANT START	2	L	120/277	
HALCO	EP332IS/L/MV/HE	INSTANT START	3	L	120/277	
HALCO	EP332IS/MV/HE	INSTANT START	2	N	120/277	
HALCO	EP332IS/MV/HE	INSTANT START	3	N	120/277	
HALCO	EP432IS/120/MC	INSTANT START	3	N	120/277	
HALCO	EP432IS/120/MC	INSTANT START	4	N	120/277	
HALCO	EP432IS/L/MV/HE	INSTANT START	3	L	120/277	
HALCO	EP432IS/L/MV/HE	INSTANT START	4	L	120/277	
HALCO	EP432IS/MV/HE	INSTANT START	3	N	120/277	
HALCO	EP432IS/MV/HE	INSTANT START	4	N	120/277	
HATCH	HL232BIS/UV/HE/W	INSTANT START	1	N	120/277	
HATCH	HL232BIS/UV/HE/W	INSTANT START	2	N	120/277	
HATCH	HL432BIS/UV/HE/W	INSTANT START	3	N	120/277	
HATCH	HL432BIS/UV/HE/W	INSTANT START	4	N	120/277	
HOWARD INDUSTRIES	E2/32IS-120MC	INSTANT START	1	N	120	
HOWARD INDUSTRIES	E2/32IS-120MC	INSTANT START	2	N	120	
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	INSTANT START	1	N	120/277	
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	INSTANT START	2	N	120/277	
HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE	PROGRAM RAPID START	1	N	120/277	
HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE	PROGRAM RAPID START	2	N	120/277	
HOWARD INDUSTRIES	EP3/32IS/MV/MC/HE	INSTANT START	2	N	120/277	
HOWARD INDUSTRIES	EP3/32IS/MV/MC/HE	INSTANT START	3	N	120/277	
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	INSTANT START	2	N	120/277	
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	INSTANT START	3	N	120/277	
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	INSTANT START	3	N	120/277	
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	INSTANT START	4	N	120/277	
HOWARD INDUSTRIES	EP4/32PPRS/MV/SC/HE	PROGRAM RAPID START	3	N	120/277	
HOWARD INDUSTRIES	EP4/32PPRS/MV/SC/HE	PROGRAM RAPID START	4	N	120/277	
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	INSTANT START	1	H	120/277	



Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	INSTANT START	2	H	120/277	
HOWARD INDUSTRIES	EPH3/32IS/MV/MC/HE	INSTANT START	2	N	120/277	
HOWARD INDUSTRIES	EPH3/32IS/MV/MC/HE	INSTANT START	3	N	120/277	
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	INSTANT START	3	H	120/277	
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	INSTANT START	4	H	120/277	
HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE	INSTANT START	1	L	120/277	
HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE	INSTANT START	2	L	120/277	
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	INSTANT START	2	L	120/277	
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	INSTANT START	3	L	120/277	
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	INSTANT START	3	L	120/277	
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	INSTANT START	4	L	120/277	
KEYSTONE	KTEB-132-1-TP-FC	RAPID START	1	N	120	
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	INSTANT START	1	N	120	
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	INSTANT START	2	N	120	
KEYSTONE	KTEB-232-UV-IS-H-P	INSTANT START	1	H	120/277	
KEYSTONE	KTEB-232-UV-IS-H-P	INSTANT START	2	H	120/277	
KEYSTONE	KTEB-232-UV-IS-N-P	INSTANT START	1	N	120/277	
KEYSTONE	KTEB-232-UV-IS-N-P	INSTANT START	2	N	120/277	
KEYSTONE	KTEB-332-UV-IS-H-P	INSTANT START	2	H	120/277	
KEYSTONE	KTEB-332-UV-IS-H-P	INSTANT START	3	H	120/277	
KEYSTONE	KTEB-332-UV-IS-N-P	INSTANT START	2	N	120/277	
KEYSTONE	KTEB-332-UV-IS-N-P	INSTANT START	3	N	120/277	
KEYSTONE	KTEB-432RIS-1-TP-SL	INSTANT START	3	N	120	
KEYSTONE	KTEB-432RIS-1-TP-SL	INSTANT START	4	N	120	
KEYSTONE	KTEB-432-UV-IS-H-P	INSTANT START	3	H	120/277	
KEYSTONE	KTEB-432-UV-IS-H-P	INSTANT START	4	H	120/277	
KEYSTONE	KTEB-432-UV-IS-N-P	INSTANT START	3	N	120/277	
KEYSTONE	KTEB-432-UV-IS-N-P	INSTANT START	4	N	120/277	
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	INSTANT START	2	L	120/277	
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	INSTANT START	3	L	120/277	
MAXLITE	MLEU322HEL/SC	INSTANT START	1	N	120/277	
MAXLITE	MLEU322HEL/SC	INSTANT START	2	N	120/277	
MAXLITE	MLEU323H/SC	INSTANT START	2	H	120/277	
MAXLITE	MLEU323H/SC	INSTANT START	3	H	120/277	
MAXLITE	MLEU324HE/SC	INSTANT START	3	N	120/277	
MAXLITE	MLEU324HE/SC	INSTANT START	4	N	120/277	
MAXLITE	SKEU322HEL/SC	INSTANT START	1	L	120/277	
MAXLITE	SKEU322HEL/SC	INSTANT START	2	L	120/277	
MAXLITE	SKEU323L/SC	INSTANT START	2	L	120/277	
MAXLITE	SKEU323L/SC	INSTANT START	3	L	120/277	
MAXLITE	SKEU324HE/SC	INSTANT START	3	N	120/277	
MAXLITE	SKEU324HE/SC	INSTANT START	4	N	120/277	
OSRAM SYLVANIA	QHE 2X32T8/347 PSN-SC	PROGRAM RAPID START	1	N	120/277	
OSRAM SYLVANIA	QHE 2X32T8/347 PSN-SC	PROGRAM RAPID START	2	N	120/277	
OSRAM SYLVANIA	QHE 1X32T8/UNV DIM-TC	PROGRAM START	1	N	120/277	
OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	INSTANT START	1	L	120/277	
OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	INSTANT START	1	N	120/277	
OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PROGRAM RAPID START	1	N	120/277	
OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PROGRAM RAPID START	2	N	120/277	



Ballast Compatibility

Compatible
NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
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	QHE 4X32T8/UNV PSX-SC	PROGRAM RAPID START	3	L	120/277	Compatible
OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC	PROGRAM RAPID START	4	L	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	QT 2X32/120 IS-SC	INSTANT START	1	N	120	Compatible
OSRAM SYLVANIA	QT 2X32/120 IS-SC	INSTANT START	2	N	120	Compatible
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	INSTANT START	1	L	120/277	Compatible
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	QTP 4x32T8/UNV ISN-SC	INSTANT START	3	N	120/277	Compatible

Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
OSRAM SYLVANIA	QTP 4x32T8/UNV ISN-SC	INSTANT START	4	N	120/277	
OSRAM SYLVANIA	QTP2x32T8/UNV DIM-TC	PROGRAM START	1	N	120/277	
OSRAM SYLVANIA	QTP2x32T8/UNV DIM-TC	PROGRAM START	2	N	120/277	
OSRAM SYLVANIA	QTP2x32T8/277 ISN-D	INSTANT START	1	L	277	
OSRAM SYLVANIA	QTP2x32T8/277 ISN-D	INSTANT START	2	L	277	
OSRAM SYLVANIA	QTP3X32T8/UNV PSN-SC	PROGRAM RAPID START	2	N	120/277	
OSRAM SYLVANIA	QTP3X32T8/UNV PSN-SC	PROGRAM RAPID START	3	N	120/277	
PACIFIC FLUORESCENT	EB-232IS-120-RES	INSTANT START	1	N	120	
PACIFIC FLUORESCENT	EB-232IS-120-RES	INSTANT START	2	N	120	
PHILIPS-ADVANCE	ICN-132-MC	INSTANT START	1	N	120/277	
PHILIPS-ADVANCE	ICN-1P32-N	INSTANT START	1	N	120/277	
PHILIPS-ADVANCE	ICN-2P32-N	INSTANT START	1	N	120/277	
PHILIPS-ADVANCE	ICN-2P32-N	INSTANT START	2	N	120/277	
PHILIPS-ADVANCE	ICN-3P32-N	INSTANT START	2	N	120/277	
PHILIPS-ADVANCE	ICN-3P32-N	INSTANT START	3	N	120/277	
PHILIPS-ADVANCE	IOP-1P32-N	INSTANT START	1	N	120/277	
PHILIPS-ADVANCE	IOP-2P32HL-SC	INSTANT START	1	H	120/277	
PHILIPS-ADVANCE	IOP-2P32HL-SC	INSTANT START	2	H	120/277	
PHILIPS-ADVANCE	IOP-2P32-LW-N	INSTANT START	1	L	120/277	
PHILIPS-ADVANCE	IOP-2P32-LW-N	INSTANT START	2	L	120/277	
PHILIPS-ADVANCE	IOP-2P32-N	INSTANT START	1	N	120/277	
PHILIPS-ADVANCE	IOP-2P32-N	INSTANT START	2	N	120/277	
PHILIPS-ADVANCE	IOP-2PSP32-LW-N	PROGRAM START	1	L	120/277	
PHILIPS-ADVANCE	IOP-2PSP32-LW-N	PROGRAM START	2	L	120/277	
PHILIPS-ADVANCE	IOP-2PSP32-N	PROGRAM START	1	N	120/277	
PHILIPS-ADVANCE	IOP-2PSP32-N	PROGRAM START	2	N	120/277	
PHILIPS-ADVANCE	IOP-2S32-SC	PROGRAM START	1	N	120/277	
PHILIPS-ADVANCE	IOP-2S32-SC	PROGRAM START	2	N	120/277	
PHILIPS-ADVANCE	IOP-3P32HL-90C-SC	INSTANT START	2	H	120/277	
PHILIPS-ADVANCE	IOP-3P32HL-90C-SC	INSTANT START	3	H	120/277	
PHILIPS-ADVANCE	IOP-3P32-N	INSTANT START	2	N	120/277	
PHILIPS-ADVANCE	IOP-3P32-N	INSTANT START	3	N	120/277	
PHILIPS-ADVANCE	IOP-3PSP32-LW-SC	PROGRAM START	2	L	120/277	
PHILIPS-ADVANCE	IOP-3PSP32-LW-SC	PROGRAM START	3	L	120/277	
PHILIPS-ADVANCE	IOP-3PSP32-SC	PROGRAM START	2	N	120/277	
PHILIPS-ADVANCE	IOP-3PSP32-SC	PROGRAM START	3	N	120/277	
PHILIPS-ADVANCE	IOP-4P32-HL-SC	INSTANT START	3	H	120/277	
PHILIPS-ADVANCE	IOP-4P32-HL-SC	INSTANT START	4	H	120/277	
PHILIPS-ADVANCE	IOP-4P32-LW-N	INSTANT START	3	L	120/277	
PHILIPS-ADVANCE	IOP-4P32-LW-N	INSTANT START	4	L	120/277	
PHILIPS-ADVANCE	IOP-4P32-N	INSTANT START	3	N	120/277	
PHILIPS-ADVANCE	IOP-4P32-N	INSTANT START	4	N	120/277	
PHILIPS-ADVANCE	IOP-4P32-SC	INSTANT START	3	N	120/277	
PHILIPS-ADVANCE	IOP-4P32-SC	INSTANT START	4	N	120/277	
PHILIPS-ADVANCE	IOP-4PSP32-LW-SC	PROGRAM START	3	L	120/277	
PHILIPS-ADVANCE	IOP-4PSP32-LW-SC	PROGRAM START	4	L	120/277	
PHILIPS-ADVANCE	IOP-4PSP32-SC	PROGRAM START	3	N	120/277	
PHILIPS-ADVANCE	IOP-4PSP32-SC	PROGRAM START	4	N	120/277	
PHILIPS-ADVANCE	IOPA-1P32-N	INSTANT START	1	N	120/277	



Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
PHILIPS-ADVANCE	IOPA-2P32-HL-N	INSTANT START	1	H	120/277	
PHILIPS-ADVANCE	IOPA-2P32-HL-N	INSTANT START	2	H	120/277	
PHILIPS-ADVANCE	IOPA-3P32-LW-N	INSTANT START	2	L	120/277	
PHILIPS-ADVANCE	IOPA-3P32-LW-N	INSTANT START	3	L	120/277	
PHILIPS-ADVANCE	IOPA-3P32-N	INSTANT START	2	N	120/277	
PHILIPS-ADVANCE	IOPA-3P32-N	INSTANT START	3	N	120/277	
PHILIPS-ADVANCE	IOPA-4P32-N	INSTANT START	3	N	120/277	
PHILIPS-ADVANCE	IOPA-4P32-N	INSTANT START	4	N	120/277	
PHILIPS-ADVANCE	IOPA-4P32-SC	INSTANT START	3	N	120/277	
PHILIPS-ADVANCE	IOPA-4P32-SC	INSTANT START	4	N	120/277	
PHILIPS-ADVANCE	IZT-2PSP32-SC	PROGRAM START	1	N	120/277	
PHILIPS-ADVANCE	IZT-2PSP32-SC	PROGRAM START	2	N	120/277	
PHILIPS-ADVANCE	IZT-2S32-SC	PROGRAM START	1	N	120/277	
PHILIPS-ADVANCE	IZT-2S32-SC	PROGRAM START	2	N	120/277	
PHILIPS-ADVANCE	IZT-3PSP32-SC	PROGRAM START	2	N	120/277	
PHILIPS-ADVANCE	IZT-3PSP32-SC	PROGRAM START	3	N	120/277	
PHILIPS-ADVANCE	REB-2P32-SC	INSTANT START	1	N	120	
PHILIPS-ADVANCE	REB-2P32-SC	INSTANT START	2	N	120	
PHILIPS-ADVANCE	REB-4P32-SC	INSTANT START	3	N	120	
PHILIPS-ADVANCE	REB-4P32-SC	INSTANT START	4	N	120	
PHILIPS-ADVANCE	REZ-132-SC	PROGRAM START	1	H	120	
PHILIPS-ADVANCE	REZ-2S32-SC	PROGRAM START	1	N	120	
PHILIPS-ADVANCE	REZ-2S32-SC	PROGRAM START	2	N	120	
PHILIPS-ADVANCE	REZ-3S32-SC	PROGRAM START	2	N	120	
PHILIPS-ADVANCE	REZ-3S32-SC	PROGRAM START	3	N	120	
PHILIPS-ADVANCE	VEL-2P32-RH-TP	INSTANT START	1	N	277	
PHILIPS-ADVANCE	VEL-2P32-RH-TP	INSTANT START	2	N	277	
PHILIPS-ADVANCE	VEL-2P32-SC	INSTANT START	1	N	277	
PHILIPS-ADVANCE	VEL-2P32-SC	INSTANT START	2	N	277	
PLUSRITE	BAF232IS/MV	INSTANT START	1	N	120/277	
PLUSRITE	BAF232IS/MV	INSTANT START	2	N	120/277	
PLUSRITE	BAF232IS/MV/L	INSTANT START	1	L	120/277	
PLUSRITE	BAF232IS/MV/L	INSTANT START	2	L	120/277	
PLUSRITE	BAF332IS/MV	INSTANT START	2	N	120/277	
PLUSRITE	BAF332IS/MV	INSTANT START	3	N	120/277	
PLUSRITE	BAF332IS/MV/L	INSTANT START	2	L	120/277	
PLUSRITE	BAF332IS/MV/L	INSTANT START	3	L	120/277	
PLUSRITE	BAF432IS/MV	INSTANT START	3	N	120/277	
PLUSRITE	BAF432IS/MV	INSTANT START	4	N	120/277	
PLUSRITE	BAF432IS/MV/L	INSTANT START	3	L	120/277	
PLUSRITE	BAF432IS/MV/L	INSTANT START	4	L	120/277	
PROLUME	EP232IS/L/MV/SL	INSTANT START	1	L	120/277	
PROLUME	EP232IS/L/MV/SL	INSTANT START	2	L	120/277	
PROLUME	E432IS/120/R/SL	INSTANT START	3	N	120	
PROLUME	E432IS/120/R/SL	INSTANT START	4	N	120	
SOLA	E-758-U-232-MC	INSTANT START	1	N	120/277	
SOLA	E-758-U-232-MC	INSTANT START	2	N	120/277	
SUNPARK	120-1/32IS HPF	INSTANT START	1	N	120	
SUNPARK	120-3/32IS MPF	INSTANT START	2	N	120	

Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
SUNPARK	120-3/32IS MPF	INSTANT START	3	N	120	
SUNPARK	LC 12011T	PROGRAM START	1	H	120	
SUNPARK	LC 12013T	PROGRAM START	1	H	120	
SUNPARK	SL15T	PROGRAM START	1	N	120	
SUNPARK	SL15T	PROGRAM START	2	N	120	
SUNPARK	U-1/32PSE	PROGRAM START	1	N	120/277	
SUNPARK	U-2/32IS HBF	INSTANT START	1	H	120/277	
SUNPARK	U-2/32IS HBF	INSTANT START	2	H	120/277	
SUNPARK	U-2/32ISE-LBF	INSTANT START	1	L	120/277	
SUNPARK	U-2/32ISE-LBF	INSTANT START	2	L	120/277	
SUNPARK	U-2/32PSE	RAPID START	1	N	120/277	
SUNPARK	U-2/32PSE	RAPID START	2	N	120/277	
SUNPARK	U-2/32PSE-HBF	RAPID START	1	H	120/277	
SUNPARK	U-2/32PSE-HBF	RAPID START	2	H	120/277	
SUNPARK	U-232PS3	RAPID START	1	N	120/277	
SUNPARK	U-232PS3	RAPID START	2	N	120/277	
SUNPARK	U-232PS3-HBF	RAPID START	1	H	120/277	
SUNPARK	U-232PS3-HBF	RAPID START	2	H	120/277	
SUNPARK	U-3/32ISE	INSTANT START	2	N	120/277	
SUNPARK	U-3/32ISE	INSTANT START	3	N	120/277	
SUNPARK	U-3/32ISE-HBF	INSTANT START	2	H	120/277	
SUNPARK	U-3/32ISE-HBF	INSTANT START	3	H	120/277	
SUNPARK	U-4/32IS HBF	INSTANT START	3	H	120/277	
SUNPARK	U-4/32IS HBF	INSTANT START	4	H	120/277	
SUNPARK	U-4/32IS HP,F	INSTANT START	3	N	120/277	
SUNPARK	U-4/32IS HP,F	INSTANT START	4	N	120/277	
SUNPARK	U-4/32ISE-LBF	INSTANT START	3	L	120/277	
SUNPARK	U-4/32ISE-LBF	INSTANT START	4	L	120/277	
SUPERIOR LIFE	70201	INSTANT START	1	N	120/277	
SUPERIOR LIFE	70201	INSTANT START	2	N	120/277	
SUPERIOR LIFE	70210	PROGRAM START	1	N	120/277	
SUPERIOR LIFE	70210	PROGRAM START	2	N	120/277	
SUPERIOR LIFE	70211	PROGRAM START	3	N	120/277	
SUPERIOR LIFE	70211	PROGRAM START	4	N	120/277	
TCP	E2P32ISUNVHE	INSTANT START	1	H	120/277	
TCP	E2P32ISUNVHE	INSTANT START	2	H	120/277	
TCP	E3P32ISUNVE	INSTANT START	2	N	120/277	
TCP	E3P32ISUNVE	INSTANT START	3	N	120/277	
TCP	E3P32ISUNVLE	INSTANT START	2	L	120/277	
TCP	E3P32ISUNVLE	INSTANT START	3	L	120/277	
TCP	E4P32ISUNVE	INSTANT START	3	N	120/277	
TCP	E4P32ISUNVE	INSTANT START	4	N	120/277	
TCP	E4P32ISUNVHE	INSTANT START	3	H	120/277	
TCP	E4P32ISUNVHE	INSTANT START	4	H	120/277	
TCP	E4P32ISUNVLE	INSTANT START	3	L	120/277	
TCP	E4P32ISUNVLE	INSTANT START	4	L	120/277	
TCP	TCP3P32ISUNVH	INSTANT START	2	H	120/277	
TCP	TCP3P32ISUNVH	INSTANT START	3	H	120/277	
TOPAZ	B232IUNVHEH/A-TPZ	INSTANT START	1	H	120/277	



Ballast Compatibility

 Compatible
 NOT Compatible

Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
TOPAZ	B232IUNVHEH/A-TPZ	INSTANT START	2	H	120/277	
TOPAZ	B432IUNVHEH/A-TPZ	INSTANT START	3	H	120/277	
TOPAZ	B432IUNVHEH/A-TPZ	INSTANT START	4	H	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B132IUNVHP-N	INSTANT START	1	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232I120RES-A	INSTANT START	1	N	120	
UNIVERSAL LIGHTING TECHNOLOGIES	B232I120RES-A	INSTANT START	2	N	120	
UNIVERSAL LIGHTING TECHNOLOGIES	B232I277RH-A	INSTANT START	1	H	277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232I277RH-A	INSTANT START	2	H	277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNV-C	INSTANT START	1	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNV-C	INSTANT START	2	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVEL-A	INSTANT START	1	L	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVEL-A	INSTANT START	2	L	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVHP-B	INSTANT START	1	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVHP-B	INSTANT START	2	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVHP-N	INSTANT START	1	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVHP-N	INSTANT START	2	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232PU104S50A	PROGRAM RAPID START	1	H	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232PU104S50A	PROGRAM RAPID START	2	H	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHE-B	PROGRAM START	1	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHE-B	PROGRAM START	2	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHP-A	PROGRAM START	1	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHP-A	PROGRAM START	2	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B233IUNVHE-A	INSTANT START	1	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B233IUNVHE-A	INSTANT START	2	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B332IUNVHP-A	INSTANT START	2	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B332IUNVHP-A	INSTANT START	3	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B332PUNVHEH-A	PROGRAM START	2	H	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B332PUNVHEH-A	PROGRAM START	3	H	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE-A	INSTANT START	3	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE-A	INSTANT START	4	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHEH-E	INSTANT START	3	H	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHEH-E	INSTANT START	4	H	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE L-A	INSTANT START	3	L	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE L-A	INSTANT START	4	L	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHP-A	INSTANT START	3	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHP-A	INSTANT START	4	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432PUNVHE-A	PROGRAM START	3	N	120/277	
UNIVERSAL LIGHTING TECHNOLOGIES	B432PUNVHE-A	PROGRAM START	4	N	120/277	
WATRAM	DB-232N-MV-TP-HE	INSTANT START	1	N	120/277	
WATRAM	DB-232N-MV-TP-HE	INSTANT START	2	N	120/277	
WATRAM	DB-232N-MV-TP-HE (SC)	INSTANT START	1	N	120/277	
WATRAM	DB-232N-MV-TP-HE (SC)	INSTANT START	2	N	120/277	
WATRAM	DB-332N-MV-TP-HE	INSTANT START	2	N	120/277	
WATRAM	DB-332N-MV-TP-HE	INSTANT START	3	N	120/277	
WATRAM	DB-432L-MV-TP-HE	INSTANT START	3	L	120/277	
WATRAM	DB-432L-MV-TP-HE	INSTANT START	4	L	120/277	
WATRAM	DB-432N-MV-TP-HE	INSTANT START	3	N	120/277	
WATRAM	DB-432N-MV-TP-HE	INSTANT START	4	N	120/277	
WATRAM	DBG32N-MV-TP-PS-HL	PROGRAM START	2	H	120/277	



Ballast Compatibility



Ballast Brand	Ballast Model #	Starting Method	# of Lamps Installed	Ballast Factor	Voltage	Status
WATRAM	DBG32N-MV-TP-PS-HL	PROGRAM START	3	H	120/277	NOT Compatible
WORK HORSE	WHS3G3-UNV-T8-IS	INSTANT START	2	N	120/277	Compatible
WORK HORSE	WHS3G3-UNV-T8-IS	INSTANT START	3	N	120/277	Compatible
WORK HORSE	WHS3G4-UNV-T8-IS	INSTANT START	3	N	120/277	Compatible
WORK HORSE	WHS3G4-UNV-T8-IS	INSTANT START	4	N	120/277	Compatible

Emergency Ballast

Ballast Brand	Ballast Model #	Starting Method	# of Lamps	Status
ESPER	VEM500DV(L)	AC	1	Compatible
ESPER	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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