

Ballast Compatibility Guide

SYLVANIA LED Tubes

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When confirming ballast and lamp compatibility, please look for the manufacturers exact description on the list to confirm compatibility. If you do not see the exact manufacturer's description, please check with your LEDVANCE representative for more details. When a ballast model is found compatible on this compatibility list, LEDVANCE recommends testing a few fixtures with the SubstiTUBE in order to ensure compatibility and performance. A "blank cell" signifies that the ballast WAS NOT evaluated with the lamp. A "-" signifies that the lamp is not compatible.



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SubstiTUBE® T8 LED Tubes

[illegible]

SubstiTUBE® T8 LED Tubes

T8 Electronic Ballast			Substitute PS-Glass																		Substitute PS-Plastic										Substitute Value-Glass						Substitute Glass	
			12W G10 (4t)	9W GR (4t) 12W GS (4t)	10W G7 (4t) 10W GR (4t)	13W G8 (4t) 13W GS (4t)	10W GR (3t)	8W GR (2t)	10W GR (4t)	10W GR (4t)	12W T8 (4t) Nature™	13W GR (Curvature/U-Bend)	19W GR (Curvature/U-Bend)	13W GR (4Pt)	11W GR (2Pt)	8W GR (2Pt)	10W GR (4t)	15W GR (4t)	17W GR (4t)	18W (4t) Ruxal Plus																		
MFR	Model	Type	4140Z, 4140Z, 4140A	4127H, 4127I, 4127J 4127G, 4127H, 4127I 4127F, 4127G, 4127H	7544A, 7545A, 7546A, 7547, 4066L, 4066A, 4067, 4068	7558R, 7559R, 7561S, 7561L, 4061, 4062, 4116B, 4116L, 4116E, 4116F	4095S, 4096, 4097, 4098	4091, 4092, 4093, 4094	4099, 4100, 4101, 4102	7552A, 7552S, 7552L, 7557	4091, 4092, 4093, 4094, 4095, 4108, 4109	4090, 4091, 4092, 4093	7545D, 7546D, 7549A, 7545L, 4097	4096L, 4096S, 4097, 4097L, 4097L, 4092, 4093L, 4093A	4049S, 4049S, 4049T, 4049L, 4051, 4051A, 4051B, 4051C	4040L, 4042, 4043, 4044, 4054, 4055, 4056, 4056T	4057S, 4058S, 4061, 4062, 4063L, 4064, 4064L, 4064E	4126S, 4126T, 4126L, 4126N	4096, 4097, 4099, 4099, 409A, 409B, 4098, 4097	4217L, 4217S, 4218L, 4218																		
GE	GE2-DIMAX-S-H-DYE																																					
GE	GE1-DIMAP-HCT																																					
GE	GE-33-MAG-G-N	IS		-	Compatible	-																																
GE	GE-33-MAG-G-L	IS		-	Compatible	-																																
GE	GE-33-MFN	IS		-																																		
GE	GE-33-MFN-NDY	IS		-	Compatible	Compatible						Compatible		Compatible		Compatible		Compatible	Compatible	Compatible																		
GE	GE-33-MFP-P50-W	PS		-	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible		Compatible		Compatible		Compatible	Compatible	Compatible																		
GE	GE-33-MFP-P50-L	PS		-	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible		Compatible		Compatible		Compatible	Compatible	Compatible																		
GE	GE-33-MFP-P50-L	PS	Compatible	-	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible		Compatible		Compatible		Compatible	Compatible	Compatible																		
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GE	GE-43																																					

* Ambient temperature when tested with ISH-HT-SC/ISH-HT-1/ISH-HT-SC-1 OSRAM ballast should be $< 45^{\circ}\text{C}/113^{\circ}\text{F}$

Specifications subject to change without notice.

[illegible]

T8 Electronic Ballast			Substube IPS Class			
			Type A	16W 4ft Frosted glass A1475	139/277	
MFR	Model	Type	# of Lenses	139/277	139/277	
EKO	PM-3X32T8-UVN-LS	Instant Start	1	120	—	
				277	Compatible	
				305	Compatible	
			2	120	—	
				277	Compatible	
				305	Compatible	
			3	120	—	
				277	Compatible	
				305	Compatible	
			4	120	—	
				277	Compatible	
				305	Compatible	
EKO	PM-4X32T8-UVN-LS	Instant Start	1	120	—	
				277	Compatible	
				305	Compatible	
			3	120	Compatible	
				277	Compatible	
				305	Compatible	
			4	120	—	
				277	Compatible	
				305	Compatible	
			2	120	Compatible	
				277	Compatible	
				305	Compatible	
KEYSTONE	KTEB-232-UV-LS-N-P	Instant Start	1	120	Compatible	
KEYSTONE	KTEB-332-UV-LS-N-P	Instant Start	1	120	Compatible	
			3	277	Compatible	
			4	120	Compatible	
KEYSTONE	KTEB-432-UV-LS-N-P	Instant Start	1	277	Compatible	
			4	120	Compatible	
			2	277	Compatible	
KEYSTONE	KTEB-432R5-1-TP-SL	Instant Start	1	120	Compatible	
			4	120	Compatible	
			2	120	Compatible	
ESPEN	VE3P32M/H/PE11068	Instant Start	1	120	Compatible	
			2	120	Compatible	
			3	277	Compatible	
ESPEN	VE3P32M/H/PE11068	Instant Start	1	277	Compatible	
			2	120	Compatible	
			3	277	Compatible	
ESPEN	VE3P32M/H/PE11056	Instant Start	1	277	Compatible	
			3	120	Compatible	
			277	Compatible		
ESPEN	VE3P32M/H/PE11070	Instant Start	1	277	Compatible	
			3	120	Compatible	
			277	Compatible		
ESPEN	VE3P32M/H/PE11063	Instant Start	1	120	Compatible	
			3	120	Compatible	
			277	Compatible		
ESPEN	VE4P32M/H/PE11057	Instant Start	1	120	Compatible	
			4	277	Compatible	
			120	Compatible		
ESPEN	VE4P32M/H/PE11072	Instant Start	1	277	Compatible	
			4	120	Compatible	
			277	Compatible		
ESPEN	VE32M/H/PLE	Instant Start	1	277	Compatible	
			2	120	Compatible	
			277	Compatible		
ESPEN	VE32M/H/PLE	Instant Start	1	120	Compatible	
			3	120	Compatible	
			277	Compatible		
ESPEN	VE3P32M/H/PE11080	Programmed Start	1	277	Compatible	
			2	120	Compatible	
			120	Compatible		
ESPEN	VE4P32M/H/PE11086	Programmed Start	1	277	Compatible	
			4	277	Compatible	
			277	Compatible		

T8 Electronic Ballast			Substube IPS Class			
			Type A	16W 4ft Frosted glass A1475	16W 4ft Frosted glass A1475	
MFR	Model	Type	# of Lenses	139/277	139/277	
OSRAMSYLVANIA	QHE 2X32T8/UV PSX-MC	Programmed Start	1	127	Compatible	
			2	127	Compatible	
			277	Compatible		
OSRAMSYLVANIA	QHE 2X32T8/UV PSX-MC	Programmed Start	1	127	Compatible	
			2	127	Compatible	
			277	Compatible		
OSRAMSYLVANIA	6UNV-PSN-SC/QHE 3X32T8/UV	Programmed Start	1	120	Compatible	
			3	120	Compatible	
			277	Compatible		
OSRAMSYLVANIA	QHE 3XL32T8/UV-IBN-SC	Instant Start	1	120	Compatible	
			3	127	Compatible	
			277	Compatible		
OSRAMSYLVANIA	QHE 4X32T8/UV PSX-SC	Programmed Start	1	120	Compatible	
			4	120	Compatible	
			277	Compatible		
OSRAMSYLVANIA	QHE 4XL32T8/UV-IBN-SC	Instant Start	1	120	Compatible	
			4	120	Compatible	
			277	Compatible		
SYLVANIA	QTP 2X32T8/UV PSX-TC	Programmed Start	1	120	Compatible	
			2	120	Compatible	--
			305	Compatible		
SYLVANIA	QHE 4X32T8/UV PSX-SC	Programmed Start	1	120	Compatible	
			2	120	Compatible	--
			305	Compatible		
ULTRAMAX	GE132MAXP-NULTRA	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
ULTRAMAX	GE232MAXP-HULTRA	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
ULTRASTART	GE-232-MV-PS-H	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
ULTRAMAX	GE232MAX347-H	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
PHILIPS	GE332M-HADY	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
ULTRAMAX	GE332MAX347-H	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
PHILIPSADVANCE	ICN-2P32-SC	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
PHILIPSADVANCE	ICN-4P32-SC	Instant Start	1	120	Compatible	
			3	120	Compatible	
			277	Compatible		
PHILIPSADVANCE	ICP-4P32-LW-A	Instant Start	1	120	Compatible	
			3	120	Compatible	
			277	Compatible		
PHILIPSADVANCE	REL-2P32-SC	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
PHILIPSADVANCE	RON-2P32-SC	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
PHILIPSADVANCE	REL-4P32-RN-TP	Instant Start	1	120	Compatible	
			3	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 1X32T8/UV-IBN-SC	Instant Start	1	120	Compatible	
			1	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 1X32T8/UV-IBN-HT-SC	Instant Start	1	120	Compatible	
			1	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 2X32T8/UV-IBN-SC	Instant Start	2	120	Compatible	
			2	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 2X32T8/UV-IBN-HT-SC	Instant Start	2	120	Compatible	
			2	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 2X32T8/47-IL-SC	Instant Start	1	120	Compatible	
			2	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 3X32T8/UV-IBN-SC	Instant Start	3	120	Compatible	
			3	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 3X32T8/UV-IBN-HT-SC	Instant Start	3	120	Compatible	
			3	120	Compatible	
			277	Compatible		
SYLVANACSRAM	QHE 4X32T8/UV-IBN-SC	Instant Start	1	120	Compatible	
			4	120	Compatible	
			277	Compatible		
ACT	ACT3P32SLUNE	Instant Start	1	120	Compatible	
			3	120	Compatible	
			277	Compatible		
ACT	ACT4P32SLUNE	Instant Start	1	120	Compatible	
			4	120	Compatible	
			277	Compatible		
PHILIPSADVANCE	ICN-1P32-N	Instant Start	1	120	Compatible	
			1	120	Compatible	
			277	Compatible		

SubstiTUBE® T5 LED Tubes

[illegible]

*SubstiTUBE T5HO Lamps and Ballast are compatible for Full Load application only.

**SubsTUBE T5HO Lamps are not compatible with Universal Lighting Technologies (ULT) T5HO Ballasts

^{**}Due to the programmed rapid start cool-heat circuitry, start times of lamps within a fixture may vary but all reach maximum lumen output in less than one second

[illegible]

SubstiTUBE® T5 LED Tubes

T5 Electronic Ballast				LED16SL12 (12 inches)		
				# of Lamps	42274	
MFR	Model	Type		2	238.9	Pass
KEYSTONE	KTEB-223E-UX-PS-SL			1	120.3	Compatible
				2	277.5	—
KEYSTONE	KTEB-213-1-3P-SL-AB			1	120.3	—
				2	277.5	—
KEYSTONE	KTEB-223-1-7P-3P-SL-B	Phthal		1	120.3	—
				2	277.5	—
OSRAM	QHE 2X20T5-UVN/PSN	IS		2	120.3	Compatible
				1	277.5	—
GE	GE-C240MAX-A	IS		1	120.3	Compatible
				2	277.5	Compatible
GE	GE-C240MAX-A	IS		2	277.5	Compatible
				1	119.9	—
GE	GE-C240MAX-G-N	IS		2	120.5	Compatible
				1	120.5	—
GE	GE-C230MAX-G-N-DYB	IS		2	120.5	Compatible
				1	121.1	—
Accusant	B228PLUW-C	IS		2	121.3	Compatible
				1	120.5	—
Robertson	PSB228T5 120 3P/2010	IS		2	277.6	Compatible
				1	120.2	—
ACT	ACT228PSULW	IS		2	120.2	Compatible
				1	277.4	—
SYLVANIA	QHE 2X28T5UW DIM-TCL	DM		2	120.2	—
				1	237.5	—
PSH	PE-S120E15-2102	RS		2	119.9	—
Ames	HEB-3-375A	RS		1	277.2	—
FULHAM WGRVORSE	WHB-27TL	IS		2	277.4	—
				1	120.3	—
Robertson	PSA228T5M/3P/2013B	PS		2	277.6	Compatible
				1	120.2	—
ROBERTSON	CC1325P			1	277.6	—
ROBERTSON	4111F2P			1	—	—
Fulham	WHB-120-L	-		2	120.5	—
Keystone	KTEB-126-L-3P			1	121.9	—
				2	120.4	—
QUICKTRONIC	QTP 2x26CF/UVN DM	PRS		2	278.0	—
				1	120.9	Compatible
GE Current	GE-C240-MPS-3P	PS		2	278.0	Compatible
				1	120.1	—
ADVANCE	ICF-342-M2-LD	PS		2	277.1	—
				1	120.1	—
TREAD	C24234ME	-		2	247.7	—
				1	247.7	—
Sylvania	QTP 2x26CF/UVN DM PEM	PS		2	120.3	Compatible
				1	278.4	Compatible
Osram	QTP 2x26CF/242CF/UVN DM PEM	PS		2	119.5	Compatible
				1	277.1	—
Tread	C24234ME	-		2	247.1	—
				1	247.1	—
OSRAM Sylvania	QTP 2x26CF/242CF/UVN DM	PRS		2	120.9	Compatible
				1	277.4	Compatible
Keystone	KTEB-242-UV-PS-DW	PS		2	120.3	—
				1	278.3	—
Wheaton	DBCM240PSFN-K	PS		2	120.9	Compatible
				1	277.5	Compatible
FULHAM	RAH-UVN-228-C	-		2	277.6	—
				1	121.9	Compatible
Howard	EP228CF/UVN-V2	PS		2	120.7	Compatible
				1	277.7	Compatible
Prisma	EP2CF228PS/VM/CDK	PS		2	120.9	Compatible
				1	278.1	Compatible
Tiled	C2424UMME	-		2	120.7	Compatible
				1	121.3	—
Prisma	EP2CF242PS/VM/CDK	-		2	121.3	—
				1	277.6	Compatible
KEYSTONE	C2424UMME	RS		2	120.5	Compatible
				1	277.7	—
STANDARD	ED2150-34TBS			2	120.1	—
				1	278.1	—
Fulham	WHB-126-C	-		2	247.7	—
				1	120.9	Compatible
FLEXCONNECT	ED1338-UV-DIE-FLX	PS		2	121.7	Compatible
				1	277.1	—

T5 Electronic Ballast

[illegible]

T5 Electronic Ballast

T5 Electronic Ballast		SUBSTITUTE T5			
		LED/WT-12 (12 inches)			
NFR	Model	Type	# of Lamps	Voltage	Pass
JOYA	JOYA Emergency Lighting Ballast Pack Ballast 1x160 RGD	EM	Charging	120v	Complete
		EM	Charging	277v	Complete
Philips	Philips Ballast 800 Fluorescent Emergency Ballast 120-277VAC	EM	Charging	120v	Complete
		EM	Charging	277v	Complete
JOYA	NEW T5A 160 SERIES AC EMERGENCY LIGHTING EQUIPMENT	EM	EM	120v	Complete
		EM	Charging	277v	Complete
KeyStone	KeyStone Emergency Ballast KT- EM80-500-0LB	EM	Charging	200v	Complete
		EM	EM	277 v	Complete
FIREHORSE	PH12-LN1V-140DL	EM	Charging	120v	Complete
		EM	Charging	277v	Complete
KEYSTONE	KT-EM80-140-0LB	EM	Charging	120v	Complete
		EM	EM	277v	Complete
FIREHORSE	PH1-LN1V-750L-CEC RCHB	EM	EM	120v	Complete
		EM	Charging	277v	Complete
FIREHORSE	PH12-LN1V-400-CEC phase1 RuRd	EM	EM	120v	Complete
		EM	Charging	277v	Complete

SubstiTUBE® T5 LED Tubes

T5 Electronic Ballast			SubstiTUBE T5			
			LED10T5L21 (21 inches)			
			# of Lamps	Voltage	Power	Pass
KEYSTONE	KTEB-228E-UV-PS-SL	PS	2	277.3	—	Compatible
			1	126.5	—	Compatible
KEYSTONE	KTEB-213-1-TP-SL-AMB	—	2	126.1	—	Compatible
			1	126.1	—	Compatible
KEYSTONE	KTEB-228-1-TP-PH-SL-B	Phreat	2	126	—	Compatible
			1	126	—	Compatible
OSRAM	QHE 2X28T5UV-PSN	IS	2	126.9	—	Compatible
			1	126.9	—	Compatible
GE	GE240MAX-A	IS	1	277.4	Compatible	Compatible
			2	126.9	Compatible	Compatible
GE	GE240MAX-A	IS	2	277.2	Compatible	Compatible
			1	127.3	Compatible	Compatible
GE	GE232MAX-G-N	IS	2	277.4	Compatible	Compatible
			1	126.9	Compatible	Compatible
GE	GE232MAX-G-N-DYB	IS	2	277.2	Compatible	Compatible
			1	126.9	Compatible	Compatible
Accusant	B228PUNV-C	IS	2	126.9	—	Compatible
			1	126.9	Compatible	Compatible
Robertson	PSL228T5120 3P20210	IS	2	277.3	Compatible	Compatible
			1	121.6	Compatible	Compatible
ACT	ACT2528PSUNV	IS	2	277.3	Compatible	Compatible
			1	126.4	Compatible	Compatible
SYLVANIA	QHE 2X28T5UV-DM-TCL	DM	2	277.3	—	Compatible
			1	127	—	Compatible
PES	PEB128T5-E120T2	RS	2	119.9	—	Compatible
			1	119.9	—	Compatible
Amax	H2613-120A	IS	2	126.3	—	Compatible
			1	126.3	—	Compatible
FULHAM WORKHORSE	WH6-277-L	IS	2	126.3	—	Compatible
			1	126.3	—	Compatible
Robertson	PSA228T5UV 3P20138	PS	2	121.7	Compatible	Compatible
			1	126.9	Compatible	Compatible
ROBERTSON	CC1320P	—	1	—	—	Compatible
			1	—	—	Compatible
ROBERTSON	4111F2P	—	1	—	—	Compatible
			1	—	—	Compatible
Fulham	WH63-120-L	—	2	126.3	Compatible	Compatible
			1	126.3	Compatible	Compatible
Keystone	KTEB-126-1-TP	—	2	126.1	Compatible	Compatible
			1	126.1	Compatible	Compatible
QUICKTRONIC	QTP 2X28CFUNV-DM	PMS	2	278.8	Compatible	Compatible
			1	126.5	Compatible	Compatible
GE Current	GE242-MPS-3W	PS	2	277.3	—	Compatible
			1	126.9	Compatible	Compatible
ADVANCE	ICF-2542-M2-LD	PS	2	277.1	—	Compatible
			1	127.2	—	Compatible
TRIAD	C264234TME	—	2	277.1	—	Compatible
			1	141.1	—	Compatible
Sylvania	QTP 2X28CFUNV-DM-PEM	PMS	2	126.5	Compatible	Compatible
			1	127.1	Compatible	Compatible
Osram	QTP 2X283242CFUNV-DM-PEM	PMS	2	277.4	Compatible	Compatible
			1	127.1	Compatible	Compatible
Triad	C24234TME	—	2	277.1	Compatible	Compatible
			1	141.1	Compatible	Compatible
OSRAM Sylvania	QTP 2X283242CFUNV-DM	PMS	2	126.4	Compatible	Compatible
			1	126.4	Compatible	Compatible
Keystone	KTEB-242-UV-PS-DW	Program Start	2	126.4	Compatible	Compatible
			1	126.4	Compatible	Compatible
Watson	OBC242MPSN-K	PS	2	277.4	Compatible	Compatible
			1	126.1	Compatible	Compatible
FULHAM	R94UNV-255-C	—	2	277.4	Compatible	Compatible
			1	126.1	Compatible	Compatible
Howard	EP252CFM/V2	PS	2	277.3	Compatible	Compatible
			1	126.6	Compatible	Compatible
Pulsine	EP3CF28PSM/DOCK	PS	2	277.4	Compatible	Compatible
			1	126.1	Compatible	Compatible
Triad	C2642JNME	—	2	277.3	Compatible	Compatible
			1	126.1	Compatible	Compatible
Pulsine	EP3CF4PSM/DOCK	—	2	277.4	Compatible	Compatible
			1	126.1	Compatible	Compatible
KEYSTONE	C2642JNME	Rapid Start	2	278.8	Compatible	Compatible
			1	126.2	Compatible	Compatible
STANDARD	E22155-34T8S	PS	2	277.3	—	Compatible
			1	141.1	—	Compatible
Fulham	WH6-120-C	—	2	126.3	Compatible	Compatible
			1	126.3	Compatible	Compatible
FLEXCONNECT	E21338-UV-TDE-FLX	PS	2	277.6	Compatible	Compatible
			1	126.4	Compatible	Compatible
WORKHORSE	WH6-120-L-RCH6	IS	2	277.2	Compatible	Compatible
			1	126.3	Compatible	Compatible
WORKHORSE	WH6-120-L-RCH6	IS	2	126.5	—	Compatible
			1	126.5	—	Compatible
OSRAM	QTP 2X28CFUNV-DM	PMS	2	277.3	Compatible	Compatible
			1	126.9	Compatible	Compatible
LEVITON	SD255-28M	—	2	277.8	—	Compatible
			1	126.9	—	Compatible
PRO	GE28T52-120RESL	RS	2	126.4	—	Compatible
			1	126.4	—	Compatible
HEP	SB118-40 UN 21	—	1	126.1	—	Compatible
			1	126.1	—	Compatible
TRIDONIC	PC 1X49 TS TOP tp	—	2	226.5	Compatible	Compatible
			1	126.1	Compatible	Compatible
TRIDONIC	PC 2X80 TS PRO tp	—	2	226.5	Compatible	Compatible
			1	126.1	Compatible	Compatible
TRIDONIC	PC 2X49 TS TOP tp	—	2	240.2	Compatible	Compatible
			1	126.3	Compatible	Compatible
Welpower	ES27528203	—	2	240.3	—	Compatible
			1	126.3	—	Compatible
—	RL-28P20-TP	RS	2	226.3	—	Compatible
			1	126.3	—	Compatible
IOTA	IOTA Emergency Lighting Battery Pack Bulb 1-160 NOS	EM	Charging	126.9	Compatible	Compatible
			EM	278.8	Compatible	Compatible
Philips	Philips Bulbs B80 Fluorescent Emergency Bulb 120-277VAC 55W	EM	Charging	126.9	Compatible	Compatible
			EM	277.3	Compatible	Compatible
IOTA	NEW IOTA L-162 SERIES AC EMERGENCY LIGHTING EQUIPMENT	EM	Charging	126.9	Compatible	Compatible
			EM	277.3	Compatible	Compatible
Keystone	Keystone Emergency Bulb KT-EMRG-800-SL-B	EM	Charging	126.9	Compatible	Compatible
			EM	278.8	Compatible	Compatible
FIREHORSE	FH12-UNV-1400L	EM	Charging	126.9	Compatible	Compatible
			EM	278.8	Compatible	Compatible
KEYSTONE	KT-EMRG-1400-SL	EM	Charging	126.9	Compatible	Compatible
			EM	277.3	Compatible	Compatible
FIREHORSE	FH1-UNV-750L-CEC-RCH6	EM	Charging	126.7	Compatible	Compatible
			EM	277.3	Compatible	Compatible
FIREHORSE	FH12-UNV-1400L-CEC phase1 R4H6	EM	Charging	126.9	Compatible	Compatible
			EM	277.1	Compatible	Compatible

SubstiTUBE® T5 LED Tubes

T5 Electronic Ballast			LED10T5H24S (4 ft) (24W)			
MFR	Model	Type	# of Lamps	120V	277V	
Philips	QHE242H24UV-PSN	PRO	2	Compatible	Compatible	
Philips	B80-250W	DM	2	Compatible	Compatible	
Philips	175-154-D	DM	1	Compatible	Compatible	
Universal	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Osram	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	
Philips	QHE 2X24T5H24UV-DM-TCL	DM	2	Compatible	Compatible	

QUICKTRONIC	QTP 24BFCFLVU DM	Program Report Start	2	120.4	Completed
			2	277.2	Completed
			1	120.5	Completed
GE Current	GEC243-MPS-3W	Program Start	2	120.4	Completed
			2	277.0	Completed
			1	120.7	Completed
ADVANCE	ICF-2542-MO-LD	Programmed Start	2	120.2	Completed
			2	277.1	—
			1	277.3	Completed
TRIAD	C2642347ME	-	2	246.7	—
			2	246.7	Completed
			1	277.3	Completed
Sylvania	QTP 24BFCFLVU DM PEM	Program Report Start	2	120.3	Completed
			2	277.2	Completed
			1	120.5	Completed
Coram	QTP 24B32CFLVU DM PEM	Program Report Start	2	120.7	Completed
			2	277.2	Completed
			1	120.4	Completed
Triad	C242347ME	-	2	277.1	Completed
			2	246.5	Completed
			2	120.5	Completed
OSRAM Sylvania	QTP 24B32CFLVU DM	Program Report Start	1	120.4	Completed
			2	277.4	Completed
			2	120.5	Completed
Keystone	KTEB-242-LP-US-DW	Program Start	2	120.8	Completed
			1	277.4	Completed
			2	120.7	Completed
Wahcon	CB2C2M-PSM3-K	Program Start	2	120.3	Completed
			2	277.8	Completed
			1	120.7	Completed
FULHAM	RNA-UIN-236-C	-	2	277.8	Completed
			1	277.8	Completed
			2	120.6	Completed
Hewlett	EP2353CPSM/Q2	Program Start	2	120.4	Completed
			1	277.7	Completed
			2	121.0	Completed

OTA	OTA	Description	EMC		EMC
			EM	EMC	
OTA	OTA	Philips EcoLine 550 Fluorescent Emergency Ballast 120-277VAC	EM	121.1	Compatible
			Charging	277.6	
OTA	OTA	Philips	EM	167.1	Compatible
		NEW OTA-162 SERIES AC EMERGENCY LIGHTING EQUIPMENT	Charging	119.0	
Keystone	Keystone	Emergency Ballast KT- EMRG-500-SL-S	EM	277.6	Compatible
			Charging	119.0	
FIREHORSE	FIREHORSE	EMRG-500-SL-S	EM	277.6	Compatible
			Charging	121.2	
KEYSTONE	KEYSTONE	PH12-UNV-1400L	EM	277.6	Compatible
			Charging	277.2	
KEYSTONE	KEYSTONE	KT-EMRG-1400-SL	EM	277.2	Compatible
			Charging	277.2	
FIREHORSE	FIREHORSE	PH11-UNV-750L-CDC ROPS	EM	150.3	Compatible
			Charging	277.6	
FIREHORSE	FIREHORSE	PH12-UNV-1400L-CDC phase1 RoHS	EM	277.6	Compatible
			Charging	277.6	
FIREHORSE	FIREHORSE		EM	277.6	Compatible
			Charging	277.6	

Watson	DBIC42M/SMLK	Program Start	2	126	
			2	277	
			1	129	
			1	277	
FULHAM	RHL-UIN-225-C	-	2	129	
			2	277	
			1	126	
			1	277	
Howard	EP2G6CF/MJ2	Program Start	2	277	
			1	126	
			1	277	
Poultice	EP2CF26PM/VOCK	Program Start	2	129	
			2	277	
			1	129	
			2	126	
			2	277	
Trust	CB42UM/AE	-	2	277	
			1	126	
			2	129	
			2	277	
Poultice	EP2CF26PM/VOCK	-	2	277	
			1	126	
			1	277	
			2	126	
KEYSTONE	KTB-226-UV-AS-DW	Rapid Start	2	277	
			1	126	
			1	277	
			2	277	
			2	129	
STANDARD	E20150-347BS	Program Start	1	277	
			2	127	
			1	277	
			2	126	
Fulham	W60-105-C	-	2	126	
			2	1	
Kayman	KT-EM80-600-3LB	-	Charging-Electronic	126	
			EM-Electronic	1	
			2	126	
FLEXCONNECT	E21318-UV-TDE-FLX	Program Start	2	126	
			2	277	
			1	126	
			2	277	
WORKHORSE	WH6-120-LR/HDS	-	2	126	
			1	126	
WORKHORSE	WH6-120-LR/HDS	-	2	126	
			1	126	
WORKHORSE	PH11-LM/75BL-CEC-RHS	-	Charging-Electronic	126	
			EM-Electronic	277	
			1	126	
WORKHORSE	PH12-LM/1400L-CEC-RHS	-	Charging-Electronic	277	
			EM-Electronic	1	
SYLVANIA	GTP-1054THO/UV-PSN	Program Rapid Start	1	126	
			2	126	
			2	126	
OSRAM	QTP-2-26CFUN/DM	PROGRAM RMPD START	2	277	
			1	129	
			2	277	
-	ICN2364-A	Programmed Start	2	277	
			1	126	
-	RL-28P20-P3	Rapid Start	2	277	
			2	126	
-	GE2405-AM/N		1	126	

DUALescent® DULUX® Pin-Base LED Lamps

CFL Ballast (Magnetic)			DUALseal DUALX			
			42064, 42065, 42066, 42067 (5.9W)			
MFR	Model	Type	1 Lamp 120V	1 Lamp 277V	2 Lamp 120V	2 Lamp 277V
Raytheon	CC1320MTP	Magnetic	Compatible	-	-	-
Sea	FCZ-13.7P	Magnetic	Compatible	-	-	-
Advance	LC-13.7P	Magnetic	Compatible	-	-	-
General	MC-13.7P	Magnetic	Compatible	-	-	-
Mercury	817PVP100B3	Magnetic	Compatible	-	-	-
Mercury	817PVP100B3	Magnetic	Compatible	-	-	-

DUALescent® DULUX® Pin-Base LED Lamps

[illegible]

CFL Ballast			DUALescent DULUX 023 42469, 42509	
MFR	DUAL	Type	1 Lamp Available	2 Lamp Available
Philips	H-1Q25-TP-BLS	MAG	Compatible	---
Philips	FCF-7/9-TP	MAG	Compatible	---
RAB	DR-10-EMORG-TYPE E	EM	Compatible	---
RAB	DR1-6-EMORG-T7	EM	Compatible	---

[illegible]

T8 Electronic Ballast			DUALessent		
			eFT 19W Type A&B 120/277		
MFR	Model	Type	# of Lamps	Voltage	4242, 4243, 42197
OSRAM	QHE X2X27/347 (BH-SC IL-EDVANCE)	Instant	2	347	PASS
				277	Compatible
Osram Sylvania	GHX2X27/347 (IL-SC)	Instant	2	347	Compatible
				277	Compatible
SYLVANIA	QTP 2X2X27/347V (BH-SC)	Instant	2	347	Compatible
				277	Compatible
SYLVANIA	QTP X2X2777 PLUS	Instant	2	347	Compatible
				277	Compatible
OSRAM	QHE 2X2X27/347V (IL-SC)	Instant	2	120	Compatible
				277	Compatible
OSRAM	QHE 2X2X27/347V (BH-SC)	Instant	2	120	Compatible
				277	Compatible
OSRAM	QHE 2X2X27/347V (BH-SC)	Instant	2	120	Compatible
				277	Compatible
GE	GE323-MN-A/M	Instant	2	120	Compatible
				277	Compatible
GE	GE323-120-RE3	Instant	2	120	Compatible
				277	Compatible
GE	GE232M-ANL-TRA	Instant	2	120	Compatible
				277	Compatible
GE	GE232M-AN-N	Instant	2	120	Compatible
				277	Compatible
GE	GE232MAMP-ANL-TRA	Instant	2	120	Compatible
				277	Compatible
GE	GE323-120RE5-B	Instant	2	120	Compatible
				277	Compatible
GE	GE232MAMP-N-	Instant	2	120	Compatible
				277	Compatible
GE	GE232MAMP-3474H	Instant	2	347	Compatible
				277	Compatible
GE	GE323MAX-G-347	Instant	2	347	Compatible
				277	Compatible
GE	GE232MAMP-V60 OPEN	Instant	2	120	Compatible
				277	Compatible
GE	GE232MAMP-V60 SHORT	Instant	2	120	Compatible
				277	Compatible
GE	GE24RFS120-B	Instant	2	120	Compatible
				277	Compatible

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DUALescent™ T8/T12 LED Tubes

T8 Electronic Ballast			DUALescent			
			4FT 15W Type A&B 120/277			
MPR	Model	Type	# of Lamps	Voltage	42452, 42453, 42197	
HATCH	HL320BS/IA/HEW	Instant	2	347	Compatible	
				120	Compatible	
				277	Compatible	
HATCH	HL320BS/IA/HEW	Instant	2	120	Compatible	
				120	Compatible	
				277	Compatible	
KEYSTONE	KTEB-232RBS-1-TP-SLJ	Instant	2	120	Compatible	
				120	Compatible	
				277	Compatible	
ACCUPRO	AP-232P-L/UN-M	Instant	2	120	Compatible	
				120	Compatible	
				277	Compatible	
KEYSTONE	KTEB-232RBS-1-TP-SL	Instant	2	120	Compatible	
				120	Compatible	
				277	Compatible	
CDL	E3320MRSL-P	Instant	2	120	Compatible	
				120	Compatible	
				277	Compatible	
OSRAM	QHE 2X32T8/UNV/HDM10SC	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
	QHE 2X32T8/UNV/DIM-TC OPEN	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
QHE 2X32T8/UNV/DIM-TC SHORT	Program	2	120	Compatible		
			277	Compatible		
			120	Compatible		
GE	GE420PSMAN-DYB	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320MPS-N-530 2BLACK LINE	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320MPS-N-530 1BLACK LINE	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE-232-MV-PS-N	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE-232-MV-PS-H	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
OSRAM SYLVANIA	GE320MPS-L-530	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
	GE320MPS-L-530	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
GE320MPSN-V03 OPEN	Program	2	120	Compatible		
			277	Compatible		
			120	Compatible		
GE320MPSN-V03 SHORT	Program	2	120	Compatible		
			277	Compatible		
			120	Compatible		
GE	GE320PS347-H	Program	2	347	Compatible	
				347	Compatible	
				120	Compatible	
GE	GE320PS347-L	Program	2	347	Compatible	
				347	Compatible	
				120	Compatible	
PHILIPS	RE2-2532-SC	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
PHILIPS	I2T-2532-SC DIM OPEN	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
	I2T-2532-SC DIM SHORT	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
PHILIPS	I2T-2P3P32-SC OPEN	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
	I2T-2P3P32-SC SHORT	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
HATCH	HL320BS/IA/HEW	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
HATCH	HL320BS/IA/HEW	Program	2	120	Compatible	
				277	Compatible	
				120	Compatible	
EnergEMO	SLE-232-120-RS-LPF	Rapid	2	120	Compatible	
				277	Compatible	
				120	Compatible	
Philips Advance	RE2-2532-SC	Dimmable	2	120	Compatible	
				277	Compatible	
				120	Compatible	
Osram SYLVANIA	QHE4X32T8/UNV/SL-SC	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
OSRAM	QT 3X32 T8/277 ISN-SC	Instant	3	277	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320MAP-N-GEN1	Instant	3	120	Compatible	
				120	Compatible	
				277	Compatible	
GE	GE320MAP-NULTRA	Instant	3	120	Compatible	
				120	Compatible	
				277	Compatible	
GE	GE320MAX-G-N	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
	GE320MAP-N-H	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320MAX-G-H	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320MAP-N-60 OPEN	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
	GE320MAP-N-60 SHORT	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320MAX347-H	Instant	3	347	Compatible	
				347	Compatible	
				120	Compatible	
GE	GE320MAX347-L	Instant	3	347	Compatible	
				347	Compatible	
				120	Compatible	
GE	GE320MAX-G-347	Instant	3	347	Compatible	
				347	Compatible	
				120	Compatible	
GE	GE320MAP90-580 1 black line	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
	GE320MAP90-580 2 black line	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320MAP480-H	Instant	3	480	Compatible	
				480	Compatible	
				120	Compatible	
PHILIPS	IOPA-3P32-SC	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
PHILIPS	ICN-3P32-N	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
Universal	B3320UNNE-A	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
Universal	B3320UNNE-A	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
Universal	B3320UNMF-A	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
HOWARD	EP4320SMV/MC/HE	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
HOWARD	EL 3 30S-277	Instant	3	277	Compatible	
				120	Compatible	
				120	Compatible	
HATCH	HL320BS/IA/HEW	Instant	3	120	Compatible	
				277	Compatible	
				120	Compatible	
Osram SYLVANIA	QHE4X32T8/UNV/PSX-SC	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE320PS347-N	Program	3	347	Compatible	
				347	Compatible	
				120	Compatible	
GE	GE-332-MVPS-XL	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE-332-MVPS-H	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE332-MVPS-N	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE332-MVPS-L	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
	GE332MPS-N-V03 OPEN	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
GE332MPS-N-V03 SHORT	Program	3	120	Compatible		
			277	Compatible		
			120	Compatible		
GE	GE332MPSN-V03 OPEN	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
	GE332MPSN-V03 SHORT	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
HATCH	HL320PS/IA/HEW	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
HATCH	HL320PS/IA/HEW	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
HATCH	HL320PS/IA/HEW	Program	3	120	Compatible	
				277	Compatible	
				120	Compatible	
PHILIPS	I2T-3532-SC OPEN	Program	3	278	Compatible	
				120	Compatible	
				277	Compatible	
PHILIPS	I2T-3532-SC SHORT	Program	3	278	Compatible	
				120	Compatible	
				277	Compatible	
PHILIPS	IOP-3P3P32-LW-SC	Program	3	277	Compatible	
				120	Compatible	
				277	Compatible	
Osram SYLVANIA	QHE4X32T8/347 SL-SC	Instant	4	347	Compatible	
				120	Compatible	
				120	Compatible	
Osram SYLVANIA	QHE4X32T8/UNV ISN-SC	Instant	4	120	Compatible	
				277	Compatible	
				120	Compatible	
SYLVANIA	GTP 4X32T8/UNV ISN-SC	Instant	4	120	Compatible	
				277	Compatible	
				120	Compatible	
OSRAM	QHE 4X32T8/UNV ISL-SC	Instant	4	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE432-MV-MM	Instant	4	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE432MAXF-N-H	Instant	4	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE432-120RES-E	Instant	4	120	Compatible	
				277	Compatible	
				120	Compatible	
GE	GE432MAXP47-L	Instant	4	347	Compatible	
				120	Compatible	
				120	Compatible	

T8 Electronic Ballast

	Model	
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OSRAM	QHE 2X3278/UV (LEDWAVE)	Instant	2	347	Completed
Osram Sylvania	QHE2X3278/UV (IL-SC)	Instant	2	347	Completed
				347	Completed
SYLVANIA	GTP 2X3278/UV (IL-SC)	Instant	2	120	Completed
				277	Completed
SYLVANIA	TP 2X3277 PLUB	Instant	2	277	Completed
				120	Completed
OSRAM	QHE 2X3278/UV (IL-SC)	Instant	2	277	Completed
				120	Completed
OSRAM	QHE 2X3278/UV (IL-SC)	Instant	2	277	Completed
				120	Completed
OSRAM	QHE 2X3278/UV (IL-SC)	Instant	2	277	Completed
				120	Completed
OSRAM	QHE 2X3278/UV (IL-SC)	Instant	2	277	Completed
				120	Completed
GE	GE232-M-1M	Instant	2	120	Completed
				277	Completed
GE	GE232-120-REB	Instant	2	120	Completed
				120	Completed
GE	GE232M-AUL-TRA	Instant	2	277	Completed
				120	Completed
GE	GE232M-A-1N	Instant	2	277	Completed
				120	Completed
GE	GE232M-ANU-TRA	Instant	2	277	Completed
				120	Completed
GE	GE232M-ANU-TRA	Instant	2	277	Completed
				120	Completed
GE	GE232-120REB-B	Instant	2	120	Completed
				277	Completed
GE	GE232M-AN-	Instant	2	277	Completed
				120	Completed
GE	GE232MAMP14-H	Instant	2	347	Completed
				347	Completed
GE	GE232MAG-247	Instant	2	347	Completed
				120	Completed
GE	GE232MAMP160-V60-OPEN	Instant	2	277	Completed
				120	Completed
GE	GE232MAMP160-BK-CORT	Instant	2	277	Completed
				120	Completed
GE	GE240REB120-B	Instant	2	120	Completed

HATCH	HL232B5/D4HEW	Instant	2	247	Completed
				247	Completed
HATCH	HL232B5/U4HEW	Instant	2	126	Completed
				277	Completed
KEYSTONE	KTEB-2-2DRS-1-TP-SLJ	Instant	2	126	Completed
				277	Completed
ACCURIO	AP-202P-LN-AM	Instant	2	126	Completed
				277	Completed
KEYSTONE	KTEB-2-2DRS-1-TP-SL	Instant	2	126	Completed
				277	Completed
CDL	E232120MRSLP	Instant	2	126	Completed
				126	Completed
OSRAM	QHE ZK327S/UNVNDM10/SC	Program	2	126	Completed
				277	Completed
				277	Completed
OSRAM	QHE ZK327S/UNV DM-TC-OPR	Program	2	126	Completed
				277	Completed
				126	—
				277	—
	QHE ZK327S/UNV DM-TC-SHO			126	Completed
				126	Completed
				277	Completed
GE	GE24P30M-N-2YB	Program	2	126	Completed
				277	Completed
				277	Completed

	Model	
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EnergyPRO	BLE-232-120-RS-LPF	Rapid	2	120	277	Complete
				120	120	Complete
Philly Advance	RE2-250-SC	Dominate	2	120	277	Complete
				120	120	Complete
Ocean Symaria	QW-3X3TS/NAV/BL-SC	Instant	3	120	277	Complete
				120	120	Complete
DSRM	QT-3X3 TS/277/BL-SN-SC	Instant	3	277	277	Complete
				120	277	Complete
GE	GE332MAMP-A-GEN1	Instant	3	277	277	Complete
				120	277	Complete
GE	GE332MAMP-L/LA-TRA	Instant	3	277	277	Complete
				120	277	Complete
GE	GE332MAX-G-RN	Instant	3	120	277	Complete
				120	120	Complete
GE	GE332MAMP-A+	Instant	3	277	277	Complete
				120	277	Complete
GE	GE332MAX-G-H	Instant	3	120	277	Complete
				120	120	Complete
GE	GE332MAXSG-V60 OPEN	Instant	3	277	277	Complete
				120	277	Complete
GE	GE332MAXSG-V60 SHCHT	Instant	3	277	277	Complete
				120	277	Complete
GE	GE332MAXSG4-H	Instant	3	347	347	Complete
				347	347	Complete
GE	GE332MAXSG-4	Instant	3	347	347	Complete
				347	347	Complete
GE	GE332MAXSG-C-347	Instant	3	347	347	Complete
				120	347	Complete
GE	GE332MAMP90-560 1 Buck 0W	Instant	3	120	277	Complete
				120	120	Complete
GE	GE332MAMP90-560 2 Buck	Instant	3	120	277	Complete
				120	120	Complete
EnergyPRO	GE332MAMP80-H	Instant	3	480	480	Complete
				120	480	Complete
PHILIPS	CPA-IPJ2-SC	Instant	3	277	277	Complete
				120	277	Complete

				277	Complete
HATCH	HL32BPS/UAN/EW	Program	3	126	Complete
				277	Complete
				119	Complete
				277	Complete
				120	Complete
HATCH	HL32CFSU/A/N/E/W	Program	3	277	Complete
				120	Complete
				277	Complete
HATCH	HL32AFSU/A/N/E/W	Program	3	120	Complete
				277	Complete
				120	Complete
				277	Complete
PHELIPS	ZT-3532-SC OPEN	Program	3	126	--
				278	--
				120	--
				277	--
				120	Complete
	ZT-3532-SC SHORT	Program		278	Complete
				120	Complete
				277	Complete
PHELIPS	DPA-3PSPD-L-W-SC	Program	3	277	Complete
				120	Complete
				277	Complete
Ocean Syntexia	CHE-KX3TB/SAT ISL-G	Instant	4	347	Complete
				120	Complete
				120	Complete
Ocean Syntexia	CHE-KX3TB/LNW ISN-SC	Instant	4	277	Complete
				120	Complete
				277	Complete

T8 Electronic Ballast				Dual-escrow			
MFR	Model	Type	# of Lamps	4' T9 Type ABB 120/277			
				Voltage	A2816		
SYLVANIA	QTP 4X32TRUNV/BN-SC	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
OSRAM	QHE 4X32TRUNV/BL-SC	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE432-MV-NM	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE432MAXP-AH	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
IEE	IEE432-120RES-B	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE432MAXP347-L	Instant	4	347	Compatible		
				347	Compatible		
				120	Compatible		
				347	Compatible		
GE	GE432MAX-G-347	Instant	4	347	Compatible		
				347	Compatible		
				120	Compatible		
				347	Compatible		
GE	GE432MAX36-V60	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
IEE	IEE432MAXP347-H	Instant	4	347	Compatible		
				347	Compatible		
				120	Compatible		
				347	Compatible		
GE	GE432MAX460-H	Instant	4	460	Compatible		
				460	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE432MAX-G-L	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE432MAXP-NULTRA	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
IEE	IEE432-120-RES	Instant	4	120	Compatible		
				120	Compatible		
				347	Compatible		
				347	Compatible		
GE	GE432MAX347-N	Instant	4	347	Compatible		
				347	Compatible		
				120	Compatible		
				347	Compatible		
PHILIPS	ICN4P32-N	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
PHILIPS	GCPA-4P32-SC	Instant	4	347	Compatible		
				347	Compatible		
				120	Compatible		
				347	Compatible		
PHILIPS	QP-4P32-N	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
PHILIPS	ICN4P16-TLED-N	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
Universal	B432UNNE-A	Instant	4	277	Compatible		
				120	Compatible		
				277	Compatible		
				120	Compatible		
Universal	B432UNVEL-A	Instant	4	277	Compatible		
				120	Compatible		
				277	Compatible		
				120	Compatible		
HOWARD	EF432S/MUMCHE	Instant	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
ULTRABAVE	UT432347	Instant	4	347	Compatible		
				347	Compatible		
				120	Compatible		
				277	Compatible		
HATCH	HL432BSUNVEW	Instant	4	120	Compatible		
				120	Compatible		
				277	Compatible		
				277	Compatible		
OPEN	VE432120MP	Instant	4	120	Compatible		
				120	Compatible		
				277	Compatible		
				277	Compatible		
Osram Sylvania	QHE4X32TRUNV/PSN-SC	Program	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE432MPS-H	Program	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE432MPS-N-M03	Program	4	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
PHILIPS	QP-4PSP32-LW-SC	Program	4	120	Compatible		
				277	Compatible		
				347	Compatible		
				120	Compatible		
GE	GE532MAXP-H60	Instant	6	277	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
GE	GE532MAXP-H60-S60 GRAY-OPEN	Instant	6	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
	GE532MAXP-H60-S60 GRAY-COMNECT			Instant		120	Compatible
						277	Compatible
						120	Compatible
						277	Compatible
GE	GE532MAXP-H60-V60 OPEN	Instant	6	120	Compatible		
				277	Compatible		
				120	Compatible		
				277	Compatible		
	GE532MAXP-H60-V60 SHORT			Instant		120	Compatible
						277	Compatible
						120	Compatible
						277	Compatible

Dual-escrow T8 LED Tubes				41649 Type ABB 1-5/8 U-bend 13W Frosted nano plastic 22.5" (Nominal 26")									
MFR	Model	Type	# of Lamps	1 Lamp		2 Lamp		3 Lamp		4 Lamp		1 Lamp	2 Lamp
				120V	277V	120V	277V	120V	277V	120V	277V	347V	347V
LEDVANCE	LHE2X32TRUNVNSC-B	IS	2	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible		
LEDVANCE	LHE4X32TRUNVNSC-B	IS	4										
LEDVANCE	LHE2X32TRUNVNSC-B	IS	2										
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible

Dual-escrow T8 LED Tubes				41650 Type ABB 1-5/8 U-bend 9.5W Frosted nano plastic 16.5"									
MFR	Model	Type	# of Lamps	1 Lamp		2 Lamp		3 Lamp		4 Lamp		1 Lamp	2 Lamp
				120V	277V	120V	277V	120V	277V	120V	277V	347V	347V
LEDVANCE	LHE2X32TRUNVNSC-B	IS	2	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible		
LEDVANCE	LHE4X32TRUNVNSC-B	IS	4										
LEDVANCE	LHE2X32TRUNVNSC-B	IS	2										
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible

Dual-escrow T8 LED Tubes				41651 Type ABB 1-5/8 U-bend 7W Frosted nano plastic 10.5"									
MFR	Model	Type	# of Lamps	1 Lamp		2 Lamp		3 Lamp		4 Lamp		1 Lamp	2 Lamp
				120V	277V	120V	277V	120V	277V	120V	277V	347V	347V
LEDVANCE	LHE2X32TRUNVNSC-B	IS	2	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible		
LEDVANCE	LHE4X32TRUNVNSC-B	IS	4										
LEDVANCE	LHE2X32TRUNVNSC-B	IS	2										
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible
LEDVANCE	LHE2X32TR4PVNSC-B	IS	2									Compatible	Compatible
LEDVANCE	LHE4X32TR4PVNSC-B	IS	4									Compatible	Compatible

			DUALcent														
			Type AB 8W DM (4147, 41472, 41473, 41474, 41475, 41476, 41477, 41478)	Type AB 12W DM (41472, 41473, 41474, 41475, 41476, 41477, 41478)	Type AB 12W DM (44)	41478, 41480, 41481, 41482	Type AB 12W (44)	40887, 40888, 40889, 40890	Type AB 16W (44)	41567, 41568, 41569, 41569	Type AB 8W (2173)	Type AB 12W (2174)	Type AB 16W (44)	41576	Type AB 16W (44)	16W PNP-3PK	12W SCCT Select
GE	GE-32-MV-N	PS															
GE	GE-432-MV-347-1	PS											Compatible				
GE	GE-432-MV-347-2	PS	Compatible	Compatible	Compatible	Compatible	Compatible						Compatible				
GE	GE-432-MV-347-3	PS						Compatible									
GE	GE-432-MV-347-4	PS						Compatible									
GE	GE-432-MV-347-5	PS															
GE	GE-432-MV-347-6	PS															
GE	GE-432-MV-347-7	PS															
GE	GE-432-MV-347-8	PS															
GE	GE-432-MV-347-9	PS															
GE	GE-432-MV-347-10	PS															
GE	GE-432-MV-347-11	PS															
GE	GE-432-MV-347-12	PS															
GE	GE-432-MV-347-13	PS															
GE	GE-432-MV-347-14	PS															
GE	GE-432-MV-347-15	PS															
GE	GE-432-MV-347-16	PS															
GE	GE-432-MV-347-17	PS															
GE	GE-432-MV-347-18	PS															
GE	GE-432-MV-347-19	PS															
GE	GE-432-MV-347-20	PS															
GE	GE-432-MV-347-21	PS															
GE	GE-432-MV-347-22	PS															
GE	GE-432-MV-347-23	PS															
GE	GE-432-MV-347-24	PS															
GE	GE-432-MV-347-25	PS															
GE	GE-432-MV-347-26	PS															
GE	GE-432-MV-347-27	PS															
GE	GE-432-MV-347-28	PS															
GE	GE-432-MV-347-29	PS															
GE	GE-432-MV-347-30	PS															
GE	GE-432-MV-347-31	PS															
GE	GE-432-MV-347-32	PS															
GE	GE-432-MV-347-33	PS															
GE	GE-432-MV-347-34	PS															
GE	GE-432-MV-347-35	PS															
GE	GE-432-MV-347-36	PS															
GE	GE-432-MV-347-37	PS															
GE	GE-432-MV-347-38	PS															
GE	GE-432-MV-347-39	PS															
GE	GE-432-MV-347-40	PS															
GE	GE-432-MV-347-41	PS															
GE	GE-432-MV-347-42	PS															
GE	GE-432-MV-347-43	PS															
GE	GE-432-MV-347-44	PS															
GE	GE-432-MV-347-45	PS															
GE	GE-432-MV-347-46	PS															
GE	GE-432-MV-347-47	PS															
GE	GE-432-MV-347-48	PS															
GE	GE-432-MV-347-49	PS															
GE	GE-432-MV-347-50	PS															
GE	GE-432-MV-347-51	PS															
GE	GE-432-MV-347-52	PS															
GE	GE-432-MV-347-53	PS															
GE	GE-432-MV-347-54	PS															
GE	GE-432-MV-347-55	PS															
GE	GE-432-MV-347-56	PS															
GE	GE-432-MV-347-57	PS															
GE	GE-432-MV-347-58	PS															
GE	GE-432-MV-347-59	PS															
GE	GE-432-MV-347-60	PS															
GE	GE-432-MV-347-61	PS															
GE	GE-432-MV-347-62	PS															
GE	GE-432-MV-347-63	PS															
GE	GE-432-MV-347-64	PS															
GE	GE-432-MV-347-65	PS															
GE	GE-432-MV-347-66	PS															
GE	GE-432-MV-347-67	PS															
GE	GE-432-MV-347-68	PS															
GE	GE-432-MV-347-69	PS															
GE	GE-432-MV-347-70	PS															
GE	GE-432-MV-347-71	PS															
GE	GE-432-MV-347-72	PS															
GE	GE-432-MV-347-73	PS															
GE	GE-432-MV-347-74	PS															
GE	GE-432-MV-347-75	PS															
GE	GE-432-MV-347-76	PS															
GE	GE-432-MV-347-77	PS															
GE	GE-432-MV-347-78	PS															
GE	GE-432-MV-347-79	PS															
GE	GE-432-MV-347-80	PS															
GE	GE-432-MV-347-81	PS															
GE	GE-432-MV-347-82	PS															
GE	GE-432-MV-347-83	PS															
GE	GE-432-MV-347-84	PS															
GE	GE-432-MV-347-85	PS															
GE	GE-432-MV-347-86	PS															
GE	GE-432-MV-347-87	PS															
GE	GE-432-MV-347-88	PS															
GE	GE-432-MV-347-89	PS															
GE	GE-432-MV-347-90	PS															
GE	GE-432-MV-347-91	PS															
GE	GE-432-MV-347-92	PS															
GE	GE-432-MV-347-93	PS															
GE	GE-432-MV-347-94	PS															
GE	GE-432-MV-347-95	PS															
GE	GE-432-MV-347-96	PS															
GE	GE-432-MV-347-97	PS															
GE	GE-432-MV-347-98	PS															
GE	GE-432-MV-347-99	PS															
GE	GE-432-MV-347-100	PS															
GE	GE-432-MV-347-101	PS															
GE	GE-432-MV-347-102	PS															
GE	GE-432-MV-347-103	PS															
GE	GE-432-MV-347-104	PS															
GE	GE-432-MV-347-105	PS															
GE	GE-432-MV-347-106	PS															
GE	GE-432-MV-347-107	PS															
GE	GE-432-MV-347-108	PS															
GE	GE-432-MV-347-109	PS															
GE	GE-432-MV-347-110	PS															
GE	GE-432-MV-347-111	PS															
GE	GE-432-MV-347-112	PS															
GE	GE-432-MV-347-113	PS															
GE	GE-432-MV-347-114	PS															
GE	GE-432-MV-347-115	PS															
GE	GE-432-MV-347-116	PS															
GE	GE-432-MV-347-117	PS															
GE	GE-432-MV-347-118	PS															
GE	GE-432-MV-347-119	PS															
GE	GE-432-MV-347-120	PS															
GE	GE-432-MV-347-121	PS															
GE	GE-432-MV-347-122	PS															
GE	GE-432-MV-347-123	PS															
GE	GE-432-MV-347-124	PS															
GE	GE-432-MV-347-125	PS															

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T8 Electronic Ballast			Universal Hybrid T8 (Type-A/B)
MFR	Model	Type	LEDWatt (lm)
OSRAM	QTP 236T12/UW IS	IS	4228W, 4201, 4245W, 42352, 42450
GE	QTP 236T12W/18W/IS	IS	Compatible
Philips	PLW 236W-S-R-T1P	IS	Compatible
Universal	62591UNW-MFA	IS	Compatible
Howard	EP256S/M/MC/HE	IS	Compatible
Avatrade	ACT2P600SUNV	IS	Compatible

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ESPEN	VE4P32MVHIFLE	IS	Compatible	Compatible	-	Compatible
ESPEN	VE4P32MVHFPE	PS	Compatible	Compatible	Compatible	Compatible

Universal Hybrid LED Tubes

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T9 Electronic Ballast				Universal Hybrid T8 (Type-AB)		
MFR	Model		Type	4200	4204	LED110W (P) Hybrid LED 60W(T8) To Compatible
ADVANCE	ACT3549B3 120W		(S)	Compatible	Compatible	
HAGANET	RCE144		(S)	Compatible	Compatible	
ESEPN	VECP2120MR1		(S)	Compatible	Compatible	
HOAOLINE	KTB12-272-T-11P-WB		(S)	Compatible	Compatible	
SUNAPART	RCR144		(S)	Compatible	Compatible	
HERFORD	RHW34AC1420WB 3P2134		(S)	Compatible	Compatible	
HAGANET	RCE144		(S)	Compatible	Compatible	
HEI-Dynalux	SCD251120SP1PT		(S)	Compatible	Compatible	

FC-Electronic Ballast			Universal Hybrid Ballast		Type: AB1
Part	Model	Tube	LED16/12/9	LED14/8	
LEWANCE	LE23X3410B10C10	ES	4128	4167	Complete
LEWANCE	LE23X3734F10F	ES			
LEWANCE	LE40X3734F10F	ES			
LEWANCE	LE40X3734F10F	ES			
LEWANCE	LE23X3410B10C10	ES			
LEWANCE	LE23X3734F10F	ES			
LEWANCE	LE40X3734F10F	ES			
OSRAM	OST 1535-2000/00	ES			
ARCAT	ACT192489120L	ES	Complete	Complete	
OSRAM	OST 1535-2000/00	ES			
Russium	RBR24222120W3 3P20134	ES	Complete	Complete	
NEOTONE	NTB13C22-11P-W9	ES	Complete	Complete	
NEOTONE	NTB13C22-11P-W9	ES	Complete	Complete	
NEOTONE	NTB13C22-11P-W9	ES	Complete	Complete	
SUPRAN	LC 1014	ES	Complete	Complete	
Supra	LC 1014	ES	Complete	Complete	
SUPRAN	BL137	ES	Complete	Complete	
Pro-line	2-200W/2851/100P	ES	Complete	Complete	
Pro-line	1612W/2851/100P	ES	Complete	Complete	
Pro-line	1612W/2851/100P	ES	Complete	Complete	
GOLE	20X27E/INVL-S1	ES	Complete	Complete	
GOLE	1612W/2851/100P	ES	Complete	Complete	
GOLE	RS 540	EM	Complete	Complete	

FC-Electronic Ballast		Universal Hybrid Circuits (Type - AB)		12W/27V	
MFR	Model	Type	LED11Q191	LED11Q193	LED16Q129
LEDVANCE	LT 2x3.6/120RSCB	RS	Compatible	Compatible	Compatible
KEYSTONE	KTEB-7C2-1-17PW	RS	Compatible	Compatible	Compatible
ROBARTSON	RS0146C/120V	RS	Compatible	Compatible	Compatible
ROBERTSON	RS0146C/120V	RS	Compatible	Compatible	Compatible
SUNPARK	SL26T	RS	Compatible	Compatible	Compatible
SYLVANIA	1x132/120RSCB	RS	Compatible	Compatible	Compatible
SYLVANIA	1x162/120RSCB	RS	Compatible	Compatible	Compatible

FC-Magnetic Ballast			Universal Hybrid Circuite	(Type AB)
MFR	Model	Type	LED16C1219	LED11C879
ADVANCE	RLGS-122-TP-W	RS	Compatible	Compatible
ADVANCE	RS-22-32-TP-W	RS	Compatible	Compatible
KEYSTONE	SS22WSTP	RS	Compatible	Compatible

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T12 Magnetic Ballast			Substituted T12
MFR	Model	Type	LED16W (4F5)
ADVANCE	IM-0534-TP	RS	4208, 4208, 4207, 4214, 4215, 4216, 4241, 4241, 4241, 4242
ADVANCE	5-2534-TP	RS	Compatible
ADVANCE	REL-4P534-R4-TP	RS	Compatible
ADVANCE	RL-4P534-TP	RS	Compatible
ADVANCE	MB240-20 RS	RS	Compatible
ADVANCE	R3240-20 RS	RS	Compatible
ADVANCE	GE24P534-20-B	RS	Compatible
GE	GE24P534-20-4PK	RS	Compatible

T12 Magnetic Ballast				Substitute T12	
				LED20T12 (4R)	
MFR	Model		Type	41095	
GE	GM240RS277		RS	Compatible	
PHILIPS	R-2640-1-TP		RS	Compatible	

