



SPECIFICATION SHEET

T8 Direct Install LED Lamp[†]

Operates with Compatible Ballast

Item Number **33653**

Specifications

Energy Used (Watts).....	17
Domestic Code	LED 17T8/48"/40 Direct Install
Volts	Ballast Dependant
Brightness (Lumens)	2200
Average Rated Hours	50,000
Life in Years (3 hrs./day)	45.6
Life in Years (12 hrs./day)	11.4
Light Appearance (Kelvin).....	4000
CRI	82
Efficacy (LPW).....	129
Number of LED Modules.....	80
Minimum Starting Temperature.....	-20°C/-4°F
Estimated Yearly Energy Cost*.....	\$2.05
Package Type	Sleeve

Can be used in totally enclosed fixtures.

Direct replacement for 4 foot T8 fluorescent lamps.

[†] Dimmable when used with applicable ballast.



Physical Characteristics

Color Designation	Cool White
Finish.....	Frost
Base.....	G13 (Medium BiPin)
MOL	48"



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.

Compatible Ballasts (Instant Start)

One Lamp, Instant Start, Normal Ballast Factor

Manufacturer	Series/Model
ACT	ACT 2P32ISUNVE
ANTRON ELECTRONICS	A32T8MICLO
DAMAR	EL232-120/277HF(1688B), EL332-120/277HF(3654C), EL432-120/277HF(3093B)
EIKO	PM-2X32T8-UNV-IS, PM-3X32T8-UNV-IS, PM-4X32T8-UNV-IS
ESPEN	VE232MVHIPE
GENERAL ELECTRIC	GE132MAXP-N/ULTRA, GE232MAX-N/ULTRA, GE-232-MV-N, GE232MV-N-DIY, GE432MAX-G-N
HALCO	EP232IS/MV/HE, EP432IS/120/MC
HATCH	HL232BIS/UV/HE/W, HL432BIS/UV/HE/W
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE, EP3/32IS/MV/MC/HE, EP3/32IS/MV/SC/HE, EP4/32IS/MV/MC/HE
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV, KTEB-332-UV-IS-N-P, KTEB-432-UV-IS-N-P
MAXLITE	MLEU324HE/SC
OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC, QTP 1X32T8/UNV ISN-SC, QHE 2X32T8/UNV ISN-SC, QTP 2X32T8/UNV ISN-SC, QT2X32/120 IS-SC, QTP2x32T8/277 ISN-D, QHE 4X32T8/UNV ISN-SC, QTP 4X32T8/UNV ISN-SC
PHILIPS-ADVANCE	IOP-1P32-N, ICN-2P32-N, IOP-2P32-N, IOPA-2P32-N, VEL-2P32-SC, ICN-3P32-N, ICN-4P32-SC, IOP-4P32-N, IOPA-4P32-N
PLUSRITE	BAF232IS/MV, BAF332IS/MV, BAF432IS/MV
SOLA	E-758-U-232-MC
SUNLITE	40155-SU-SB/232/MV
SUNPARK	120-1/32IS HPF, U-3/32ISE, U-4/32IS HP, F
SUPERIOR LIFE	70201
TCP	E3P32ISUNVE, E4P32ISUNVE
UNIVERSAL LIGHTING TECHNOLOGIES	B132IUNVHP-N, B232IUNVHP-N, B233IUNVHE-A, B232IUNVHP-B
WATRAN	DB-232N-MV-TP-HE, DB-232N-MV-TP-HE (SC), DB-332N-MV-TP-HE, DB-432N-MV-TP-HE
WORK HORSE	WHSG3-UNV-T8-IS, WHCG4-120-T8-IS, WHSG4-UNV-T8-IS

One Lamp, Instant Start, Low Ballast Factor

Manufacturer	Series/Model
EIKO	PM-2X32T8-UNV-IS-L, PM-3X32T8-UNV-IS-L, PM-4X32T8-UNV-IS-L
ESPEN	VE232MVHIPE
GENERAL ELECTRIC	GE232MAX-L/ULTRA, GE432MAX-L/ULTRA
HALCO	EP232IS/L/MV/HE, EP332IS/L/MV/HE
HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE, EPL3/32IS/MV/SC/HE, EPL4/32IS/MV/MC/HE
MAXLITE	MLEU322HEL/SC
OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC, QHE 2X32T8/UNV ISL-SC, QHE 4X32T8/UNV ISL-SC
PHILIPS-ADVANCE	IOP-2P32-LW-N, IOPA-3P32-LW-N, IOP-4P32-LW-N
PLUSRITE	BAF232IS/MV/L, BAF332IS/MV/L, BAF432IS/MV/L
PROLUME	EP232IS/L/MV/SL
SUNPARK	U-2/32ISE-LBF, U-4/32ISE-LBF
TCP	E3P32ISUNVLE, E4P32ISUNVLE
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVEL-A, B432IUNVHE L-A
WATRAN	DB-432L-MV-TP-HE

One Lamp, Instant Start, High Ballast Factor

Manufacturer	Series/Model
DAMAR	EL232HL-120/277HF(1688D)
GENERAL ELECTRIC	GE132MAX-G-N, GE132MAX-H/ULTRA, GE132MAX-L/ULTRA, GE-232-MAX-H/ULtra, GE332MAX-G-N, GE332MAX-L/ULTRA, GE332MAX-N/ULTRA, GE332MV-N, GE432MAX-N/ULTRA, GE432MV-N-42T
HALCO	EP332IS/MV/HE, EP432IS/L/MV/HE, EP432IS/MV/HE
KEYSTONE	KTEB-232-UV-IS-N-P
LUMAPRO	4KGH1 EB-432IS-120
MAXLITE	SKEU322HEL/SC, SKEU323L/SC, SKEU324HE/SC
OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC, QTP 3X32T8/UNV ISN-SC
PHILIPS-ADVANCE	ICN-1P32-N, IOPA-1P32-N, IOPA-3P32-N
TCP	E2P32ISUNVHE
UNIVERSAL LIGHTING TECHNOLOGIES	B332IUNVHP-A, B332IUNVHP-A, B432IUNVHP-A

Compatible Ballasts (Instant Start)

Two Lamps, Instant Start, Normal Ballast Factor

Manufacturer	Series/Model
ACT	ACT 2P32ISUNVE
ANTRON ELECTRONICS	A32T8MICLO
DAMAR	EL232-120/277HF(1688B), EL332-120/277HF(3654C), EL432-120/277HF(3093B)
EIKO	PM-2X32T8-UNV-IS, PM-3X32T8-UNV-IS, PM-4X32T8-UNV-IS
ESPEN	VE232MVHIPE
GENERAL ELECTRIC	GE232MAX-N/ULTRA, GE-232-MV-N, GE232MV-N-DIY, GE432MAX-G-N, GE432MAX347-N
HALCO	EP232IS/MV/HE, EP432IS/120/MC
HATCH	HL232BIS/UV/HE/W, HL432BIS/UV/HE/W
HOWARD INDUSTRIES	E2/32IS-120MC, EP2/32IS/MV/MC/HE, EP3/32IS/MV/MC/HE, EP3/32IS/MV/SC/HE, EP4/32IS/MV/MC/HE
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV, KTEB-332-UV-IS-N-P, KTEB-432-UV-IS-N-P
MAXLITE	MLEU324HE/SC
OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC, QTP 2X32T8/UNV ISN-SC, QT2X32/120 IS-SC, QTP2x32T8/277 ISN-D, QHE 4X32T8/UNV ISN-SC, QTP 4X32T8/UNV ISN-SC
PHILIPS-ADVANCE	ICN-2P32-N, IOP-2P32-N, IOPA-2P32-N, VEL-2P32-SC, ICN-3P32-N, ICN-4P32-N, ICN-4P32-SC, IOP-4P32-N, IOPA-4P32-N
PLUSRITE	BAF232IS/MV, BAF332IS/MV, BAF432IS/MV
SOLA	E-758-U-232-MC
SUNLITE	40155-SU-SB/232/MV
SUNPARK	U-3/32ISE, U-4/32IS HP,F
SUPERIOR LIFE	70201
TCP	E3P32ISUNVE, E4P32ISUNVE
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVHP-N, B233IUNVHE-A, B232IUNVHP-B
WATRAM	DB-232N-MV-TP-HE, DB-232N-MV-TP-HE (SC), DB-332N-MV-TP-HE, DB-432N-MV-TP-HE
WORK HORSE	WHSG3-UNV-T8-IS, WHCG4-120-T8-IS, WHSG4-UNV-T8-IS

Two Lamps, Instant Start, Low Ballast Factor

Manufacturer	Series/Model
EIKO	PM-2X32T8-UNV-IS-L, PM-3X32T8-UNV-IS-L, PM-4X32T8-UNV-IS-L
ESPEN	VE232MVHIPE
GENERAL ELECTRIC	GE232MAX-L/ULTRA, GE432MAX-L/ULTRA
HALCO	EP232IS/L/MV/HE, EP332IS/L/MV/HE
HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE, EPL3/32IS/MV/SC/HE, EPL4/32IS/MV/MC/HE
MAXLITE	MLEU322HEL/SC
OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC, QHE 4X32T8/UNV ISL-SC
PHILIPS-ADVANCE	IOP-2P32-LW-N, IOPA-3P32-LW-N, IOP-4P32-LW-N
PLUSRITE	BAF232IS/MV/L, BAF332IS/MV/L, BAF432IS/MV/L
PROLUME	EP232IS/L/MV/SL
SUNPARK	U-2/32ISE-LBF, U-4/32ISE-LBF
TCP	E3P32ISUNVLE, E4P32ISUNVLE
UNIVERSAL LIGHTING TECHNOLOGIES	B232IUNVEL-A, B432IUNVHE L-A
WATRAM	DB-432L-MV-TP-HE

Two Lamps, Instant Start, High Ballast Factor

Manufacturer	Series/Model
DAMAR	EL232HL-120/277HF(1688D), EL332HL-120/277HF(3654H)
EIKO	PM-3X32T8-UNV-IS-H
ESPEN	VE232MVHIPHE
GENERAL ELECTRIC	GE-232-MAX-H/Ultra, GE232MAXP90-V60, GE332MAX-G-N, GE332MAX-L/ULTRA, GE332MAX-N/ULTRA, GE332MAXP90-V60, GE332MV-N, GE432MAX-N/ULTRA, GE432MV-N-42T
HALCO	EP232IS/H/MV/HE, EP332IS/MV/HE, EP432IS/L/MV/HE, EP432IS/MV/HE
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE, EPH4/32IS/MV/SC/HE
KEYSTONE	KTEB-232-UV-IS-N-P
LUMAPRO	4KGIH EB-432IS-120
MAXLITE	SKEU322HEL/SC, MLEU323H/SC, SKEU323L/SC, SKEU324HE/SC
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH-SC, QHE 3X32T8/UNV ISH-SC, QHE 3X32T8/UNV ISL-SC, QTP 3X32T8/UNV ISN-SC
PHILIPS-ADVANCE	IOPA-2P32HL-SC, IOP-3P32-N, IOPA-3P32-N
SUNPARK	U-2/32IS HBF, U-3/32ISE-HBF, U-4/32IS HBF
TCP	E2P32ISUNVHE
UNIVERSAL LIGHTING TECHNOLOGIES	B332IUNVHP-A, B332IUNVHP-A, B432IUNVHP-A

Compatible Ballasts (Instant Start)

Three Lamps, Instant Start, Normal Ballast Factor

Manufacturer	Series/Model
DAMAR	EL332-120/277HF(3654C), EL432-120/277HF(3093B)
EIKO	PM-3X32T8-UNV-IS, PM-4X32T8-UNV-IS
GENERAL ELECTRIC	GE432MAX-G-N, GE432MAX347-N
HALCO	EP432IS/120/MC
HATCH	HL432BIS/UVV/HE/W
HOWARD INDUSTRIES	EP3/32IS/MV/MC/HE, EP3/32IS/MV/SC/HE, EP4/32IS/MV/MC/HE
KEystone	KTEB-332-UV-IS-N-P, KTEB-432-UV-IS-N-P
MAXLITE	MLEU324HE/SC
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC, QTP 4X32T8/UNV ISN-SC
PHILIPS-ADVANCE	ICN-3P32-N, ICN-4P32-N, ICN-4P32-SC, IOP-4P32-N, IOPA-4P32-N
PLUSRITE	BAF332IS/MV, BAF432IS/MV
SUNPARK	U-3/32ISE, U-4/32IS HP,F
TCP	E3P32ISUNVE, E4P32ISUNVE
WATRAN	DB-332N-MV-TP-HE, DB-432N-MV-TP-HE
WORK HORSE	WHSG3-UNV-T8-IS, WHCG4-120-T8-IS, WHSG4-UNV-T8-IS

Three Lamps, Instant Start, Low Ballast Factor

Manufacturer	Series/Model
EIKO	PM-3X32T8-UNV-IS-L, PM-4X32T8-UNV-IS-L
GENERAL ELECTRIC	GE432MAX-L/ULTRA
HALCO	EP332IS/L/MV/HE
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE, EPL4/32IS/MV/MC/HE
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC
PHILIPS-ADVANCE	IOPA-3P32-LW-N, IOP-4P32-LW-N
PLUSRITE	BAF332IS/MV/L, BAF432IS/MV/L
SUNPARK	U-4/32ISE-LBF
TCP	E3P32ISUNVLE, E4P32ISUNVLE
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE L-A
WATRAN	DB-432L-MV-TP-HE

Three Lamps, Instant Start, High Ballast Factor

Manufacturer	Series/Model
DAMAR	EL332HL-120/277HF(3654H), EL432HL-120/277HF(3093C)
EIKO	PM-3X32T8-UNV-IS-H
GENERAL ELECTRIC	GE332MAX-G-N, GE332MAX-L/ULTRA, GE332MAX-N/ULTRA, GE332MAXP90-V60, GE332MAXP-H/ULTRA, GE332MV-N, GE432MAX-H/ULTRA, GE432MAX-H/ULTRA, GE432MAX-N/ULTRA, GE432MAXP90-S60, GE432MV-N-42T
HALCO	EP332IS/MV/HE, EP432IS/L/MV/HE, EP432IS/MV/HE
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE
LUMAPRO	4KGHI EB-432IS-120
MAXLITE	MLEU323H/SC, SKEU323L/SC, SKEU324HE/SC
OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-SC, QHE 3X32T8/UNV ISL-SC, QTP 3X32T8/UNV ISN-SC, QHE 4x32T8/UNV ISH HT-1, QHE 4x32T8/UNV ISH-SC
PHILIPS-ADVANCE	IOP-3P32-N, IOPA-3P32-N, IOPA-4P32-HL-SC
SUNPARK	U-3/32ISE-HBF, U-4/32IS HBF
TCP	E4P32ISUNVHE
UNIVERSAL LIGHTING TECHNOLOGIES	B332IUNVHP-A, B432IUNVHP-A

Four Lamps, Instant Start, Normal Ballast Factor

Manufacturer	Series/Model
DAMAR	EL432-120/277HF(3093B)
EIKO	PM-4X32T8-UNV-IS
GENERAL ELECTRIC	GE432MAX-G-N, GE432MAX347-N
HALCO	EP432IS/120/MC
HATCH	HL432BIS/UVV/HE/W
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE
KEystone	KTEB-432-UV-IS-N-P
MAXLITE	MLEU324HE/SC
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC, QTP 4X32T8/UNV ISN-SC
PHILIPS-ADVANCE	ICN-4P32-N, ICN-4P32-SC, ICN-4P32-SC, IOP-4P32-N, IOPA-4P32-N
PLUSRITE	BAF432IS/MV
SUNPARK	U-4/32IS HP,F
TCP	E4P32ISUNVE
WATRAN	DB-432N-MV-TP-HE
WORK HORSE	WHCG4-120-T8-IS, WHSG4-UNV-T8-IS

Four Lamps, Instant Start, Low Ballast Factor

Manufacturer	Series/Model
EIKO	PM-4X32T8-UNV-IS-L
GENERAL ELECTRIC	GE432MAX-L/ULTRA
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC
PHILIPS-ADVANCE	IOP-4P32-LW-N
PLUSRITE	BAF432IS/MV/L
SUNPARK	U-4/32ISE-LBF
TCP	E4P32ISUNVLE
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHE L-A
WATRAN	DB-432L-MV-TP-HE

Four Lamps, Instant Start, High Ballast Factor

Manufacturer	Series/Model
DAMAR	EL432HL-120/277HF(3093C)
GENERAL ELECTRIC	GE432MAX-H/ULTRA, GE432MAX-H/ULTRA, GE432MAX-N/ULTRA, GE432MAXP90-S60, GE432MV-N-42T
HALCO	EP432IS/L/MV/HE, EP432IS/MV/HE
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE
LUMAPRO	4KGHI EB-432IS-120
MAXLITE	SKEU324HE/SC
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH HT-1, QHE 4x32T8/UNV ISH-SC
PHILIPS-ADVANCE	IOPA-4P32-HL-SC
SUNPARK	U-4/32IS HBF
TCP	E4P32ISUNVHE
UNIVERSAL LIGHTING TECHNOLOGIES	B432IUNVHP-A

Compatible Ballasts (Programmed Start)

One Lamp, Programmed Start, Normal Ballast Factor

Manufacturer	Series/Model
GENERAL ELECTRIC	GE232-MVPS-N, GE-232-MV-PS-N, GE-332-MVPS-N, GE432-MVPS-N, GE432MVPS-N-V03, GE132MVPSN-V03, GE232MVPS-L-S30, GE332MVPSN-V03
HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE
PHILIPS-ADVANCE	IOP-2PSP32-N, IOP-2S32-SC, IOP-3PSP32-SC, IOP-4PSP32-SC, IZT-2PSP32-SC, IZT-2S32-SC
OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC, QHE 3X32T8/UNV PSN-SC, QHE 4X32T8/UNV PSN-SC
SUNPARK	U-232PS3
SUPERIOR LIFE	70210, 70211
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHE-B, B332PUNVHE-A, B432PUNVHE-A

One Lamp, Programmed Start, Low Ballast Factor

Manufacturer	Series/Model
OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC
PHILIPS-ADVANCE	IOP-2PSP32-LW-N, IOP-3PSP32-LW-SC, IOP-4PSP32-LW-SC

One Lamp, Programmed Start, High Ballast Factor

Manufacturer	Series/Model
OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT

Two Lamps, Programmed Start, Normal Ballast Factor

Manufacturer	Series/Model
DAMAR	EL232DIM/120/277HF
HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE
GENERAL ELECTRIC	GE232-MVPS-N, GE-232-MV-PS-N, GE-332-MVPS-N, GE432-MVPS-N, GE432MVPS-N-V03, GE232MVPS-L-S30, GE332MVPSN-V03
OSRAM SYLVANIA	QTP2X32T8/UNV DIM-TC, QHE 2X32T8/UNV DIM-TC, QHE 2X32T8/UNV PSN-MC, QHE 3X32T8/UNV PSN-SC, QHE 4X32T8/UNV PSN-SC
PHILIPS-ADVANCE	IOP-2PSP32-N, IOP-2S32-SC, IOP-3PSP32-SC, IOP-4PSP32-SC, IZT-2PSP32-SC, IZT-2S32-SC
SUNPARK	U-232PS3
SUPERIOR LIFE	70210, 70211
UNIVERSAL LIGHTING TECHNOLOGIES	B232PUNVHE-B, B332PUNVHE-A, B332PUNVHEH-A, B432PUNVHE-A, B232PU104S50A

Two Lamps, Programmed Start, Low Ballast Factor

Manufacturer	Series/Model
OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC
PHILIPS-ADVANCE	IOP-2PSP32-LW-N, IOP-3PSP32-LW-SC, IOP-4PSP32-LW-SC

Two Lamps, Programmed Start, High Ballast Factor

Manufacturer	Series/Model
OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT
SUNPARK	U-232PS3-HBF

Three Lamps, Programmed Start, Normal Ballast Factor

Manufacturer	Series/Model
EIKO	PM-3X32T8-UNV-PS
GENERAL ELECTRIC	GE-332-MVPS-N, GE432-MVPS-N, GE432MVPS-N-V03, GE332MVPSN-V03
OSRAM SYLVANIA	QHE 3X32T8/UNV PSN-SC, QTP3X32T8/UNV PSN-SC, QHE 4X32T8/UNV PSN-SC
PHILIPS-ADVANCE	IOP-3PSP32-SC, IOP-4PSP32-SC, REZ-3S32-SC
SUPERIOR LIFE	70211
UNIVERSAL LIGHTING TECHNOLOGIES	B332PUNVHE-A, B332PUNVHEH-A, B432PUNVHE-A, B232PU104S50A

Three Lamps, Programmed Start, Low Ballast Factor

Manufacturer	Series/Model
OSRAM SYLVANIA	QTP 3X32T8/UNV PSX-SC, QHE 4X32T8/UNV PSX-SC
PHILIPS-ADVANCE	IOP-3PSP32-LW-SC, IOP-4PSP32-LW-SC

Three Lamps, Programmed Start, High Ballast Factor

Manufacturer	Series/Model
SUNPARK	U-232PS3-HBF

Four Lamps, Programmed Start, Normal Ballast Factor

Manufacturer	Series/Model
GENERAL ELECTRIC	GE432-MVPS-N, GE432MVPS-N-V03
OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC
PHILIPS-ADVANCE	IOP-4PSP32-SC
SUPERIOR LIFE	70211
UNIVERSAL LIGHTING TECHNOLOGIES	B432PUNVHE-A

Four Lamps, Programmed Start, Low Ballast Factor

Manufacturer	Series/Model
OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC
PHILIPS-ADVANCE	IOP-4PSP32-LW-SC

Compatible Ballasts

Dimmable Ballast

Ballast Brand	Part Number	Start Method	# of Lamps	Ballast Factor	
				Type	Value
GENERAL ELECTRIC	GE432MVPS-N-V03	DPS	4	N	0.90
GENERAL ELECTRIC	GE232MVPS-L-S30	DPS	2	N	0.96
GENERAL ELECTRIC	GE132MVPSN-V03	DPS	1	N	0.88
GENERAL ELECTRIC	GE332MVPSN-V03	DPS	3	N	0.98
OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PRS	2	N	0.88
OSRAM SYLVANIA	QTP2x32T8/UNV DIM-TC	DPS	2	N	0.88
PHILIPS-ADVANCE	IZT-2PSP32-SC	DPS	2	N	1.00
SUNPARK	U-232PS3	RS	2	N	0.88
SUNPARK	U-232PS3-HBF	RS	2	H	1.15
UNIVERSAL LIGHTING TECHNOLOGIES	B232PU104S50A	PRS	2	N	0.88

2 Lamp Inductance Ballast

Ballast Brand	Part Number	Start Method
ADVANCE	VQM-2S40-FL	RS
MAGNETEK	554-L-TC-P	TS
MAGNETEK	443-L-SLH-TC-P	WRRS
PHILIPS-ADVANCE	RM-2SP30-1-TP	RS
PHILIPS-ADVANCE	R-2S40-1-TP	RS

Emergency Ballast

Ballast Brand	Part Number	Start Method	# of Lamps
BODINE	B100	DC	1
BODINE	B50	DC	2
CONTRACTOR SELECT	E1500	DC	1
EXITRONIX	XEB-7-B-LM	AC	1
HOWARD	BAL500	DC	1
KEYSTONE	KT-EMRG-500	DC	1
KEYSTONE	KT-EMRG-800-T5	AC	1
KEYSTONE	KT-EMRG-1300-T5	AC	1
KEYSTONE	KT-EMRG-1400	DC	2
MORRIS	PAC0314	DC	1
POWER SENTRY	PSQ500QD MVOLT	DC	1
SYLVANIA	QTEB2L650-LP-120/277	DC	1
WESTGATE	BAL500	AC	1

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