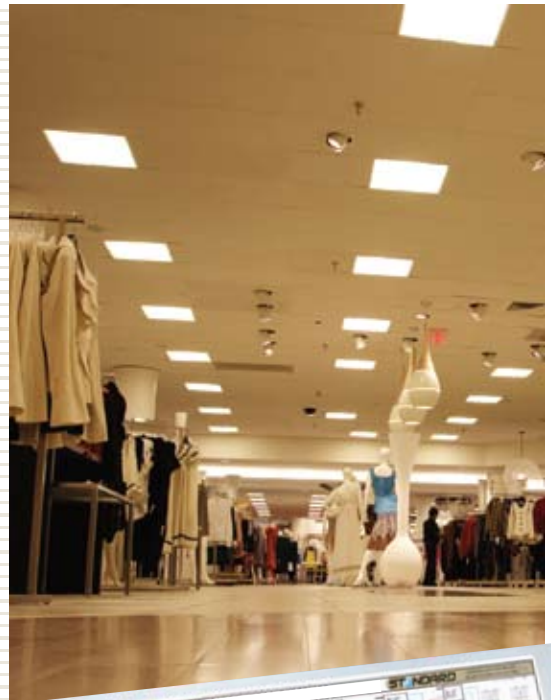


BALLAST QUICK FINDER



STANDARD™
LEADERS IN LIGHTING



What is a ballast?

A ballast is an integral component of most modern lighting systems. It is primarily designed to perform three critical tasks:

- Deliver the proper voltage to start or ignite the lamp(s)
- Regulate the electric current flowing through the lamp(s)
- Compensate for variations in line voltage

As a Canadian based company, STANDARD has the most complete range of 347V ballasts on the market. We offer a wide range of ballasts for all lighting applications:

- Electronic linear and CFL ballasts
- Magnetic linear and CFL ballasts
- Magnetic HID ballasts
- Magnetic sign ballasts by Allanson
- Transformers

Electronic Linear Ballasts

STANDARD brand electronic ballasts are designed from a quality perspective, to ensure high performance and long reliable life. They are designed to operate in both warm and cold environments and are thermally protected in compliance with the National Electrical Code (NEC) and the Canadian Electrical Code (CEC). All STANDARD brand electronic ballasts come with a lamp auto-restrike capability.

Electronic CFL Ballasts

FLEXCONNECT™ is the most versatile electronic ballast kit available in the market. Each kit packs the power of universal voltage, multi-lamp design and the versatility of different mounting options. All lighting applications and inventory requirements from 120V to 347V are covered with 6 models reducing skus in inventory. Each kit comes complete with the mounting conversion plate, pre-stripped wires and a wire extraction tool.



Magnetic Ballasts

STANDARD offers a comprehensive line of environmentally friendly magnetic linear and compact fluorescent ballasts, energy saving ballasts, as well as specialty application ballasts for germicidal lamps, appliance lamps, dimming applications and radio interference filters.

HID Ballasts

STANDARD has developed one of the most complete line of HID ballast products available, offering ballasts which operate metal halide, high pressure sodium, mercury vapour, and low pressure sodium lamps. STANDARD HID ballasts are individually packaged, contain universal mounting brackets, and are pre-wired to the capacitor or ignitor when needed. Remote ballasts are also available.

All STANDARD ballasts are approved by at least one of the major safety certification organizations including CSA and CUL. For a full listing of all ballasts offered by Standard Products Inc., please visit www.standardpro.com

Glossary	
IS	Instant Start: IS ballasts instantaneously start lamps (there is less than a 0.1 second delay). The ballast does so by providing a large starting voltage which is high enough to start a discharge through the lamps without actually heating the lamp electrodes. Because the electrodes are not heated, energy savings are maximized. Instant start ballasts are ideal for applications that have long burn hours and minimal on/off switching.
PS	Programmed Start: PS ballasts start lamps within a 1.0 -1.5 second delay without flicker. These ballasts monitor lamp and ballast conditions to ensure optimal lighting system performance. By carefully controlling the preheat duration, the electrodes are minimally stressed, which maximizes lamp life.
PRS	Programmed Rapid Start: PRS ballasts preheat the electrodes before applying a high voltage to ignite the lamp. The high voltage drops to a much lower voltage once the arc is established. PRS is ideal for applications using motion or occupancy sensors.
RS	Rapid Start: RS ballasts also start relatively quickly (0.5 - 1.0 second delay) without flickering. The ballast heats the lamp electrodes and provides a starting voltage all at the same time. The electrodes continue to heat while the lamp is operating, which offers longer lamp life, but less efficiency.
TS	Trigger Start: TS ballasts are magnetic ballasts which start and operate preheat lamps. The circuit has a built-in starter, which helps to eliminate lamp flicker upon start up.
R	Reactor: These ballasts consist of a single coil, and are used when the supply voltage is sufficient to start the lamp. Once the lamp is started, the reactor limits the current to the lamp. Can operate without a capacitor (R-NPF), or with an optional power factor correction capacitor (R-HPF).
HX	High Reactance Autotransformer: HX ballasts limit the current to the bulb and transform the input voltage to the required level. It uses two coils (primary and secondary) which share common windings. Can also operate without a capacitor (HX-NPF), or with an optional power factor correction capacitor (HX-HPF).
CWA	Constant Wattage Autotransformer: CWA ballasts have two coils and always use a capacitor wired in series with the lamp to correct power factor and control lamp wattage. CWA ballasts usually deliver relatively constant light output when input voltage varies.
CWI	Constant Wattage Isolated Transformer: CWI ballasts also have two coils, except the secondary coil is electrically isolated from the primary coil. This feature is useful for phase to phase input voltages such as 208 V, 240 V, and 480 V. The use of CWI ballasts for these voltages is a CSA safety requirement in Canada.
BF	Ballast Factor: BF is the relative light output of a lamp operated on a given ballast compared to a lamp operated by a laboratory reference ballast. For example, a BF of 0.80 would produce 80 % of the lamp's rated lumens (light output). Electronic ballasts are typically available in three BF ranges: Low (LBF): less than 0.85 Normal (NBF): 0.85 - 1.00 High (HBF): higher than 1.00 A lower BF will use less energy (watts) while reducing light output. A higher BF means higher energy consumption with increased light output.



T5 - 1, 2 and 4 Lamps

No. of lamps	Primary lamp type	Input volts (V)	Starting method	Order code	Description	Max. case temp. (°C)	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates					
										14 W T5	28 W T5	39 W T5	49 W T5HO	PLL50	PLL55
1	54W T5	120-277	PS	57641	E154T5PS120-277/N	75	55	0.85	0.45			✓		✓	✓
2	21W T5	120-277	PS	10476	E221T5PS120-277/N	75	47	1.00	0.40	✓					
	24W T5	120-277	PS	10477	E224T5PS120-277/N	75	46	0.90	0.38						
	28W T5	120-277	PS	60105	E228T5PS120-277/N/BULK	75	60	0.89	0.51						
		347	PS	60102	E228T5PS347/N/BULK	75	61	0.90	0.18						
	35W T5	120-277	PS	10460	E235T5PS120-277/N	75	84	0.90	0.69		✓				
		347	PS	10461	E235T5PS347/N	75	77	0.90	0.28		✓				
4	54W T5	120-277	PS	58866	E254T5PS120-277/N/HO/XTRM	90	116	0.99	0.97			✓	✓	✓	✓
		347	PS	58917	E254T5PS347/N/HO/XTRM	90	116	0.92	0.33			✓	✓	✓	✓
		120-277	PS	58915	E454T5PS120-277/N/HO/XTRM	90	232	0.99	1.94			✓	✓	✓	✓
		347	PS	58916	E454T5PS347/N/HO/XTRM	90	238	1.00	0.68			✓	✓	✓	✓

T8 - 1 Lamp

Primary lamp type	Input volts (V)	Starting method	Order code	Description	Max. case temp. (°C)	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates					
									F17T8	F25T8	F32T8ES			F40T8
F32T8	120	IS	31010	E132T8IS120/N	75	32	0.92	0.28	✓	✓		✓	✓	✓
		IS	57640	E132T8IS120/N/MC	75	30	0.90	0.25	✓	✓				
		IS	31037	E132T8IS120/L	75	29	0.77	0.26	✓	✓		✓	✓	
		IS	56556	E132T8IS120/L/BULK	75	29	0.77	0.26	✓	✓		✓	✓	
	347	IS	31038	E132T8IS347/L	75	29	0.75	0.08	✓	✓		✓	✓	
		IS	56557	E132T8IS347/L/BULK	75	29	0.75	0.08	✓	✓		✓	✓	

T8 - 2 Lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Description	Max. case temp. (°C)	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates					
									F17T8	F25T8	F32T8ES			F40T8
F32T8	120	IS	10292	E232T8IS120/N	75	55	0.87	0.47	✓	✓	✓	✓	✓	✓
		IS	31550	E232T8IS120/N/BULK	75	55	0.87	0.47	✓	✓	✓	✓	✓	✓
		IS	60100	E232T8IS120/N/MC/BULK	75	57	0.88	0.48	✓	✓	✓	✓	✓	✓
		IS	31000	E232T8IS120/L	75	48	0.77	0.39	✓	✓	✓	✓	✓	✓
		IS	56558	E232T8IS120/L/BULK	75	48	0.77	0.39	✓	✓	✓	✓	✓	✓
		IS	60075	E232T8IS120/H/90C	90	74	1.20	0.64	✓	✓	✓	✓	✓	✓
	120-277	IS	10296	E232T8IS120-277/N	75	55	0.88	0.46	✓	✓	✓	✓	✓	✓
		PS	57031	E232T8PS120-277/H/XTRM	90	75	1.20	0.62		✓	✓	✓	✓	✓
		PS	31540	E232T8PS120-277/N	75	56	0.88	0.47	✓	✓	✓	✓	✓	✓
		PS	31544	E232T8PS120-277/L	75	47	0.71	0.38	✓	✓	✓	✓	✓	✓
	347	IS	10293	E232T8IS347/N	75	55	0.87	0.16	✓	✓	✓	✓	✓	✓
		IS	31549	E232T8IS347/N/BULK	75	55	0.87	0.16	✓	✓	✓	✓	✓	✓
		IS	60095	E232T8IS347/N/MC/BULK	75	57	0.88	0.18	✓	✓	✓	✓	✓	✓
		IS	58277	E232T8IS347/L	75	50	0.77	0.14	✓	✓	✓	✓	✓	✓
		IS	58278	E232T8IS347/L/BULK	75	50	0.77	0.14	✓	✓	✓	✓	✓	✓
		IS	60076	E232T8IS347/H/90C	90	74	1.20	0.21	✓	✓	✓	✓	✓	✓
		PS	59741	E232T8PS347/H/XTRM	90	75	1.20	0.22		✓	✓	✓	✓	✓
		PS	31542	E232T8PS347/N	75	56	0.88	0.16	✓	✓	✓	✓	✓	✓
		PS	31546	E232T8PS347/L	75	47	0.71	0.14	✓	✓	✓	✓	✓	✓

T8 - 3 Lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Description	Max. case temp. (°C)	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates					
									F17T8	F25T8	F32T8ES			F40T8
											25 W	28 W	30 W	
F32T8	120	IS	10364	E332T8IS120/N	75	82	0.87	0.70	✓	✓	✓	✓	✓	✓
		IS	60080	E332T8IS120/L/90C/BULK	90	73	0.78	0.61	✓	✓		✓	✓	
	347	IS	10365	E332T8IS347/N	75	83	0.87	0.24	✓	✓	✓	✓	✓	✓
		IS	60079	E332T8IS347/L/90C/BULK	90	74	0.78	0.20	✓	✓		✓	✓	

T8 - 4 Lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Description	Max. case temp. (°C)	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates					
									F17T8	F25T8	F32T8ES			F40T8
											25W	28W	30W	
F32T8	120	IS	10295	E432T8IS120/N	75	109	0.87	0.90	✓	✓	✓	✓	✓	✓
		IS	31551	E432T8IS120/N/BULK	75	109	0.87	0.90	✓	✓	✓	✓	✓	✓
		IS	10304	E432T8IS120/L	75	96	0.77	0.81	✓	✓	✓	✓	✓	✓
		IS	56602	E432T8IS120/L/BULK	75	96	0.77	0.81	✓	✓	✓	✓	✓	✓
		IS	59770	E432T8IS120/H/90C	90	140	1.10	1.17	✓	✓	✓	✓	✓	✓
	120-277	IS	31008	E432T8IS120-277/N	75	106	0.88	0.88	✓	✓	✓	✓	✓	✓
		PRS	31541	E432T8PRS120-277/N	75	119	0.88	1.01	✓	✓				
		PRS	31545	E432T8PRS120-277/L	75	101	0.78	0.86	✓	✓				
	347	IS	10294	E432T8IS347/N	75	108	0.87	0.32	✓	✓	✓	✓	✓	✓
		IS	31552	E432T8IS347/N/BULK	75	108	0.87	0.32	✓	✓	✓	✓	✓	✓
		IS	31036	E432T8IS347/L	75	95	0.77	0.28	✓	✓	✓	✓	✓	✓
		IS	56603	E432T8IS347/L/BULK	75	95	0.77	0.28	✓	✓	✓	✓	✓	✓
		IS	59771	E432T8IS347/H/90C	90	140	1.10	0.41	✓	✓	✓	✓	✓	✓
		PRS	31543	E432T8PRS347/N	75	119	0.88	0.35	✓	✓				
		PRS	31547	E432T8PRS347/L	75	101	0.78	0.30	✓	✓				

T8 8 Foot - 2 Lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Description	Max. case temp. (°C)	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates			
									F96T8ES	F72T8HO	F60T8HO	F48T8HO
F96T8	120	IS	10306	E296T8IS120/N	75	107	0.88	0.89	✓			
	347	IS	16358	E296T8IS347/N	75	110	0.90	0.32	✓			
F96T8HO	120	PRS	10488	E296T8PRS120/N/HO	75	160	0.88	1.32		✓	✓	✓
		PS	60013	E296T8PRS120/N/HO/XTRM	90	185	1.00	1.61		✓	✓	✓
	347	PRS	10489	E296T8PRS347/N/HO	75	158	0.87	0.45		✓	✓	✓
		PS	60014	E296T8PRS347/N/HO/XTRM	90	184	1.03	0.53		✓	✓	✓

T12 - 2 Lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Description	Max. case temp. (°C)	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates				
									F30T12 F34T12	F48T12 F48T12 ES	F72T12 F96T12 ES	F60T12HO F72T12HO	F96T12HO F96T12HO ES
F40T12	120	RS	10305	E240T12RS120/N	75	74	0.88	0.62	✓				
	120-277	RS	11299	E240T12RS120-277/N	75	72	0.87	0.60	✓				
	347	PRS	10291	E240T12PRS347/N	75	70	0.86	0.20	✓				
F96T12	120	IS	10301	E296T12IS120/N	75	133	0.90	1.12		✓	✓		
	347	IS	10302	E296T12IS347/N	75	138	0.91	0.40			✓		
F48T12HO	120	PRS	10332	E260T12PRS120/N/HO	75	106	0.85	0.89				✓	✓
F96T12HO	120	PRS	10303	E296T12PRS120/N/HO	75	196	0.90	1.60				✓	✓
	347	PRS	59658	E296T12PRS347/N/HO	75	193	0.89	0.56				✓	✓

1- Specifications listed are for the primary lamp only. For additional specifications, dimensions, wiring diagrams, and a complete ballast listing, please visit www.standardpro.com

2- T8ES lamps are 4 foot energy saving lamps.

FLEXCONNECT™ CFL - 1 and 2 Lamps

No. of lamps	Input volts (V)	Lamp type	Order code	Internal code	Description	Input power ANSI (W)	Ballast factor	Input current (A)
1	120-277	2D21W	31276	E21338-120-277-TDE	E21338-120-277-TDE FLX	20	0.90	0.17
		2D28W	31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	28	1.00	0.23
		2D38W	31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	31	0.85	0.26
		FC9T5	31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	25	1.00	0.21
		FC12T5	31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	38	0.95	0.32
		PLC18W	31276	E21338-120-277-TDE	E21338-120-277-TDE FLX	19	1.00	0.16
		PLC26W	31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	27	1.00	0.23
		PLT18W	31276	E21338-120-277-TDE	E21338-120-277-TDE FLX	21	1.05	0.17
		PLT26W	31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	29	1.10	0.24
		PLT32W	31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	35	0.98	0.31
		PLT42W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	46	1.00	0.38
			31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	45	0.98	0.37
		PLT57W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	57	0.89	0.48
	347	2D21W	31277	E21338-347-TDE	E21338-347-TDE FLX	20	0.90	0.06
		2D28W	31279	E22142-347-TDE	E22142-347-TDE FLX	28	1.00	0.08
		2D38W	31279	E22142-347-TDE	E22142-347-TDE FLX	31	0.85	0.09
		FC9T5	31279	E22142-347-TDE	E22142-347-TDE FLX	25	1.00	0.07
		FC12T5	31279	E22142-347-TDE	E22142-347-TDE FLX	38	0.95	0.11
		PLC18W	31277	E21338-347-TDE	E21338-347-TDE FLX	19	1.00	0.05
		PLC26W	31279	E22142-347-TDE	E22142-347-TDE FLX	27	1.00	0.08
		PLT18W	31277	E21338-347-TDE	E21338-347-TDE FLX	21	1.05	0.06
		PLT26W	31279	E22142-347-TDE	E22142-347-TDE FLX	29	1.10	0.08
		PLT32W	31279	E22142-347-TDE	E22142-347-TDE FLX	35	0.98	0.10
		PLT42W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	46	1.00	0.17
			31279	E22142-347-TDE	E22142-347-TDE FLX	45	0.98	0.13
		PLT57W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	57	0.89	0.16
2	120-277	2D16W	31276	E21338-120-277-TDE	E21338-120-277-TDE FLX	37	1.00	0.31
		2D21W	31276	E21338-120-277-TDE	E21338-120-277-TDE FLX	40	0.91	0.34
			31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	50	1.12	0.42
		2D28W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	57	1.00	0.48
		2D38W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	62	0.80	0.55
		FC9T5 & FC12T5	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	61	0.85	0.51
		PLC18W	31276	E21338-120-277-TDE	E21338-120-277-TDE FLX	35	0.95	0.30
		PLC26W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	52	1.00	0.43
			31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	51	1.00	0.43
		PLL27W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	48	0.93	0.40
			31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	48	0.93	0.41
		PLL40W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	78	0.95	0.66
		PLT18W	31276	E21338-120-277-TDE	E21338-120-277-TDE FLX	40	1.10	0.34
		PLT26W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	55	1.00	0.46
			31278	E22142-120-277-TDE	E22142-120-277-TDE FLX	54	1.00	0.45
		PLT32W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	68	0.98	0.57
		PLT42W	31526	E22642-UV-A-TDE	E22642-120-277-A-TDE FLX	93	0.97	0.78
	347	2D16W	31277	E21338-347-TDE	E21338-347-TDE FLX	37	1.00	0.11
		2D21W	31277	E21338-347-TDE	E21338-347-TDE FLX	40	0.91	0.12
			31279	E22142-347-TDE	E22142-347-TDE FLX	50	1.12	0.14
		2D28W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	57	1.00	0.21
		2D38W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	62	0.80	0.22
		FC9T5 & FC12T5	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	61	0.85	0.22
		PLC18W	31277	E21338-347-TDE	E21338-347-TDE FLX	35	0.95	0.10
		PLC26W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	52	1.00	0.15
			31279	E22142-347-TDE	E22142-347-TDE FLX	51	1.00	0.15
		PLL27W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	48	0.93	0.17
			31279	E22142-347-TDE	E22142-347-TDE FLX	48	0.93	0.14
		PLL40W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	78	0.95	0.28
		PLT18W	31277	E21338-347-TDE	E21338-347-TDE FLX	40	1.10	0.12
		PLT26W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	55	1.00	0.20
			31279	E22142-347-TDE	E22142-347-TDE FLX	54	1.00	0.16
		PLT32W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	68	0.98	0.25
		PLT42W	31527	E22642-347-A-TDE	E22642-347-A-TDE FLX	93	0.97	0.34



T8 - 2 lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Internal code	Description	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates			
									F24T8/U	F25T8	F31T8/U	F32T8/U
F32T8	120	RS	10190	8G4126W18	BM225/32SR5120/TP/STD GLB	74	0.94	0.63	✓	✓	✓	✓
	347	RS	31223	17A1166E	BM225/32SR5347/TP/STD GLB	69	0.85	0.21	✓	✓	✓	✓

T12 - 1 lamp

Primary lamp type	Input volts (V)	Starting method	Order code	Internal code	Description	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates		
									F14T12 F14T8	F15T12 F15T8	F20T12
F14T12	120	TS	56606	8G3560	BM114/20STS120/N/TP/STD GLB	28	0.93	0.63		✓	✓
F20T12	120	TS	10205	8G4769E	BM114/20STS347/TP/STD	34	0.93	0.10	✓	✓	
		TS	10402	8G3869W	BM114/20STS120/H/TP	31	0.91	0.26	✓	✓	

T12 - 2 lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Internal code	Description	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates		
									F14T12 F14T8	F15T12 F15T8	F48T12 ES
F20T12	120	TS	56547	8G3912	BM215/20STS120/TP/STD GLB	41	0.58	0.47	✓	✓	
		RS	10178	8G3867W	BM214/20STS120/TP/STD GLB	58	0.93	0.53	✓	✓	
	347	TS	10214	8G4767E	BM214STS347/TP/STD	59	0.93	0.18	✓	✓	
F40T12	240	RS	56604	8G3917W	BM234SR5240/ES/TP/STD	92	0.85	0.40			
F48T12	120	IS	10197	8G1600WF	BM240PI120/TP/STD	87	0.93	0.77			✓

T12HO - 1 and 2 lamps

No. of lamps	Primary lamp type	Input volts (V)	Starting method	Order code	Internal code	Description	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates			
										F24T12HO F36T12HO	F60T12HO F72T12HO	F84T12HO F96T12HO	F96T12 HO ES
1	F48T12HO	120	RS	10175	8G3900W	BM22496SR5120/HO GLB	89	0.81	1.03	✓	✓	✓	✓
		347	RS	10286	8G4700E	BM1/224/96SR5347/HO/TP/STD	87	0.88	0.26	✓	✓	✓	
2	F24T12HO	240	RS	11293	8G4046W	BM1/224/96SR5240/HO/TP/STD	92	0.55	0.79	✓	✓	✓	

T12VHO - 1 lamp

Primary lamp type	Input volts (V)	Starting method	Order code	Internal code	Description	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates	
									F60T12VHO F72T12VHO	F96T12VHO
F48T12VHO	120	RS	11198	8G3736W	F48T12/1500 VHO 2/120V	141	0.82	1.62	✓	✓

T12VHO - 2 lamps

Primary lamp type	Input volts (V)	Starting method	Order code	Internal code	Description	Input power ANSI (W)	Ballast factor	Input current (A)	Also operates		
									F48T12VHO	F60T12VHO F72T12VHO	F96T12 VHO ES
F96T12VHO	120	RS	31011	8G3672W	BM272/96SR5120/LT/VHO/TP/STD	452	0.95	3.80	✓	✓	✓

1- Specifications listed are for the primary lamp only. For additional specifications, dimensions, wiring diagrams, and a complete ballast listing, please visit www.standardpro.com



High Pressure Sodium

Lamp type	Lamp watts (W)	ANSI code	Input volts (V)	Order code	Internal code	Description	Circuit type	Input power ANSI (W)	Max. input current (A)
HPS	35	S76	120	10019	BALS0035ACR	BHPS0035/120/C/R/K/STD	R-HPF	45	0.50
			120	59284	N/A	BHPS0035/120/C/R/INT IGN/STD	R-HPF	45	1.02
			347	16547	BALS0035CCL	35W/HPS/347V/HX	HX-HPF	54	0.25
	50	S68	120	10020	BALS0050ACR	BHPS0050/120/C/R/K/STD	R-HPF	60	0.62
			120	59285	N/A	BHPS0050/120/C/R/INT IGN/STD	R-HPF	62	1.15
			120 / 277	16550	BALS0050MCL	50W HPS S68 HX-HPF 120/277V CC	HX-HPF	66	0.45 / 0.25
			120 / 277	16620	BALS0050MFL	BHPS0050/120/277/F/HX/H	HX-HPF	65	0.75 / 0.31
			347	16549	BALS0050CCL	BHPS0050/347/C/HX/H	HX-HPF	75	0.55
	70	S62	120	10021	BALS0070ACR	BHPS0070/120/C/R/K/STD	R-HPF	81	0.78
			120	59286	N/A	BHPS0070/120/C/R/INT IGN/STD	R-HPF	84	1.36
			120 / 277 / 347	10029	BALS0070TCL	BHPS0070/TRITAP/C/HX/H/K/STD	HX-HPF	91	0.82 / 0.37 / 0.29
			120 / 208 / 240 / 347	10037	BALS0070XCI	BHPS0070/QUADTAP/C/CWI/H/K/STD	CWI	95	0.42 / 0.24 / 0.20 / 0.14
			120 / 208 / 240 / 277	10108	BALS0070QCL	BHPS0070/QUADTAP/C/HX/H/K/STD	HX-HPF	91	0.85 / 0.50 / 0.45 / 0.35
	100	S54	120	10022	BALS0100ACR	BHPS0100/120/C/R/K/STD	R-HPF	120	1.19
			120	59287	N/A	BHPS0100/120/C/R/INT IGN/STD	R-HPF	115	2.50
			120 / 277 / 347	10030	BALS0100TCL	BHPS0100/TRITAP/C/HX/H/K/STD	HX-HPF	128	0.90 / 0.40 / 0.32
			120 / 208 / 240 / 347	10038	BALS0100XCI	BHPS0100/QUADTAP/C/CWI/H/K/STD	CWI	130	0.55 / 0.30 / 0.26 / 0.18
			120 / 208 / 240 / 277	10109	BALS0100QCL	BHPS0100/QUADTAP/C/HX/H/K/STD	HX-HPF	128	1.20 / 0.70 / 0.60 / 0.52
	150	S55	120	10023	BALS0150ACR	BHPS0150/120/C/R/K/STD	R-HPF	170	2.00
			120	59283	N/A	BHPS0150/120/C/R/INT IGN/STD	R-HPF	170	3.97
			120	16710	N/A	BHPS0150/120/C/R/PCE	R-NPF	178	7.00
			120 / 277 / 347	10031	BALS0150TCL	BHPS0150/TRITAP/C/HX/H/K/STD	HX-HPF	188	1.26 / 0.56 / 0.45
			120 / 208 / 240 / 347	10039	BALS0150XCI	BHPS0150/QUADTAP/C/CWI/H/K/STD	CWI	190	0.65 / 0.38 / 0.32 / 0.23
			120 / 208 / 240 / 277	10110	BALS0150QCL	BHPS0150/QUADTAP/C/HX/H/K/STD	HX-HPF	188	2.30 / 1.30 / 1.15 / 1.00
			347 / 480 / 600	16586	BALS0150FCI	BHPS0150/600/C/CWI/H	CWI	190	0.29 / 0.21 / 0.17
	250	S50	120 / 208 / 240	10040	BALS0250XCI	BHPS0250/120/208/240/C/CWI/H/K	CWI	290	0.87 / 0.51 / 0.44
			120 / 208 / 240 / 277	10111	BALS0250QCA	BHPS0250/QUADTAP/C/CWA/H/K/STD	CWA	295	1.75 / 1.00 / 0.90 / 0.80
			120 / 277 / 347	10032	BALS0250TCA	BHPS0250/TRITAP/C/CWA/H/K/STD	CWA	295	1.86 / 0.81 / 0.64
			347 / 480 / 600	10041	BALS0250JCI	BHPS0250/347/480/600/C/CWI/H/K	CWI	290	0.31 / 0.23 / 0.17
	310	S67	120 / 208 / 240 / 277	16533	BALS0310QCA	310W HPS S67 CWA QUAD TAP	CWA	355	1.95 / 1.10 / 1.00 / 0.85
	400	S51	120 / 240	16902	N/A	BHPS0400/120/240/C/CWI/H	CWI	470	1.60 / 0.80
			120 / 208 / 240	10042	BALS0400XCI	BHPS0400/120/208/240/C/CWI/H/K	CWI	465	0.88 / 0.50 / 0.44
			120 / 208 / 240 / 277	10112	BALS0400QCA	BHPS0400/QUADTAP/C/CWA/H/K/STD	CWA	464	3.10 / 1.80 / 1.60 / 1.40
			120 / 277 / 347	10033	BALS0400TCA	BHPS0400/TRITAP/C/CWA/H/K/STD	CWA	464	3.20 / 1.40 / 1.15
			347 / 480 / 600	10043	BALS0400JCI	BHPS0400/347/480/600/C/CWI/H/K	CWI	465	0.54 / 0.40 / 0.32
	430	S145	120 / 208 / 240 / 277	10034	BALS0430QCA	BHPS0430/QUADTAP/C/CWA/H/K/STD	CWA	492	4.00 / 2.30 / 2.00 / 1.73
	750	S111	277 / 347 / 480	16584	BALS0750OCA	BHPS0750/277/347/480/C/CWA/H	CWA	800	5.50 / 2.40 / 1.90
	1000	S52	120 / 208 / 240	10046	BALS1000XCI	BHPS1000/120/208/240/C/CWI/H/K	CWI	1100	4.22 / 2.44 / 2.07
			120 / 208 / 240 / 277	10036	BALS1000QCA	BHPS1000/QUADTAP/C/CWA/H/K/STD	CWA	1100	8.00 / 4.70 / 4.00 / 3.45
			120 / 277 / 347	10035	BALS1000TCA	BHPS1000/TRITAP/C/CWA/H/K/STD	CWA	1100	8.20 / 3.60 / 2.05
			347 / 480 / 600	10047	BALS1000JCI	BHPS1000/347/480/600/C/CWI/H/K	CWI	1100	1.50 / 1.13 / 0.90



HID

Metal Halide

Lamp type	Lamp watts (W)	ANSI code	Input volts (V)	Order code	Internal code	Description	Circuit type	Input power ANSI (W)	Max. input current (A)
MH	39	M130	120	16603	BALM0035/39ACW	BMH0035/39/120/C/HX/N	HX-HPF	54	0.35
	50	M110	120 / 277 / 347	10048	BALM0050TCL	BMH0050/TRITAP/C/HX/H/K/STD	HX-HPF	67	0.60 / 0.25 / 0.20
			120 / 277 / 347	10067	BALM0050TFL	BMH0050/TRITAP/F/HX/H/STD	HX-HPF	67	0.50 / 0.23 / 0.20
			120 / 208 / 240 / 277	10113	BALM0050QCL	BMH0050/QUADTAP/C/HX/H/K/STD	HX-HPF	67	0.50 / 0.30 / 0.25 / 0.20
	70	M98	120	16604	BALM0070ACL	BMH0070ACL/N	HX-NPF	94	3.00
			120 / 208 / 240 / 277	10114	BALM0070QCL	BMH0070/QUADTAP/C/HX/H/K/STD	HX-HPF	95	1.05 / 0.60 / 0.55 / 0.50
			120 / 277 / 347	10049	BALM0070TCL	BMH0070/TRITAP/C/HX/H/K/STD	HX-HPF	95	1.20 / 0.52 / 0.41
			120 / 277 / 347	10068	BALM0070TFL	BMH0070/TRITAP/F/HX/H/STD	HX-HPF	94	0.66 / 0.30 / 0.23
	100	M90	120 / 208 / 240 / 277	10115	BALM0100QCL	BMH0100/QUADTAP/C/HX/H/K/STD	HX-HPF	130	1.30 / 0.75 / 0.65 / 0.55
			120 / 277 / 347	10050	BALM0100TCL	BMH0100/TRITAP/C/HX/H/K/STD	HX-HPF	130	1.60 / 0.70 / 0.55
			120 / 277 / 347	10069	BALM0100TFL	BMH0100/TRITAP/F/HX/H/STD	HX-HPF	125	0.90 / 0.36 / 0.30
	150	M102	120 / 208 / 240 / 277	10116	BALM0150QCL	BMH0150/QUADTAP/C/HX/H/K/STD	HX-HPF	185	2.95 / 1.75 / 0.45 / 0.30
			120 / 277 / 347	10051	BALM0150TCL	BMH0150/TRITAP/C/HX/H/K/STD	HX-HPF	185	3.10 / 1.25 / 1.00
			120 / 277 / 347	10070	BALM0150TFL	BMH0150/TRITAP/F/HX/H/STD	HX-HPF	185	1.50 / 0.70 / 0.55
	175	M57	120 / 208 / 240	10059	BALM0175XCI	BMH0175/120/208/240/C/CWI/H/K/	CWI	215	0.82 / 0.48 / 0.41
			120 / 208 / 240 / 277	10117	BALM0175QCA	BMH0175/QUADTAP/C/CWA/H/K/STD	CWA	210	1.30 / 0.75 / 0.65 / 0.57
			120 / 277 / 347	10052	BALM0175TCA	BMH0175/TRITAP/C/CWA/H/K/STD	CWA	210	1.10 / 0.50 / 0.40
			120 / 277 / 347	10071	BALM0175TFA	BMH0175/TRITAP/F/CWA/H/STD	CWA	205	1.15 / 0.50 / 0.40
			347 / 480 / 600	10060	BALM0175JCI	BMH0175/347/480/600/C/CWI/H/K/	CWI	215	0.30 / 0.22 / 0.17
	250	M58	120 / 208 / 240	10061	BALM0250XCI	BMH0250/120/208/240/C/CWI/H/K/	CWI	292	0.90 / 0.52 / 0.45
			120 / 208 / 240 / 277	10118	BALM0250QCA	BMH0250/QUADTAP/C/CWA/H/K/STD	CWA	290	1.75 / 1.05 / 0.90 / 0.77
			120 / 277 / 347	10053	BALM0250TCA	BMH0250/TRITAP/C/CWA/H/K/STD	CWA	290	1.10 / 0.50 / 0.40
			120 / 277 / 347	10072	BALM0250TFA	BMH0250/TRITAP/F/CWA/H/STD	CWA	295	1.85 / 0.80 / 0.65
			120 / 347	16606	BALM0250MCL	250W MH M80HX-HPF 120/277VHQI	HX-HPF	185	1.70 / 0.60
			347 / 480 / 600	10062	BALM0250JCI	BMH0250/347/480/600/C/CWI/H/K/	CWI	292	0.30 / 0.22 / 0.17
	400	M59	120 / 208 / 240	10063	BALM0400XCI	BMH0400/120/208/240/C/CWI/H/K/	CWI	462	0.98 / 0.70 / 0.49
			120 / 208 / 240 / 277	10055	BALM0400QCA	BMH0400/QUADTAP/C/CWA/H/K/STD	CWA	458	3.00 / 1.75 / 1.50 / 1.30
			120 / 277 / 347	10054	BALM0400TCA	BMH0400/TRITAP/C/CWA/H/K/STD	CWA	458	3.10 / 1.40 / 1.10
			120 / 277 / 347	10073	BALM0400TFA	BMH0400/TRITAP/F/CWA/H/STD	CWA	460	3.15 / 1.35 / 1.10
			347 / 480 / 600	10064	BALM0400JCI	BMH0400/347/480/600/C/CWI/H/K/	CWI	462	0.33 / 0.23 / 0.19
	1000	M47	120 / 208 / 240	10065	BALM1000XCI	BMH1000/120/208/240/C/CWI/H/K/	CWI	1080	4.37 / 2.55 / 2.20
			120 / 208 / 240 / 277	10057	BALM1000QCA	BMH1000/QUADTAP/C/CWA/H/K/STD	CWA	1080	7.30 / 4.30 / 3.70 / 3.20
			120 / 277 / 347	10056	BALM1000TCA	BMH1000/TRITAP/C/CWA/H/K/STD	CWA	1080	5.90 / 3.25 / 2.60
			347 / 480 / 600	10066	BALM1000JCI	BMH1000/347/480/600/C/CWI/H/K/	CWI	1100	1.52 / 1.10 / 0.90
	1500	M48	120 / 277 / 347	10058	BALM1500TCA	BMH1500/TRITAP/C/CWA/H/K/STD	CWA	1605	10.70 / 4.70 / 3.65
			120 / 208 / 240 / 277	16607	BALM1500QCA	1500W MH/MV CWA 120/208/240/27	CWA	1605	12.10 / 7.05 / 6.05 / 5.30

1- For additional specifications, dimensions, wiring diagrams, and a complete ballast listing, please visit www.standardpro.com



Pulse Start Metal Halide

Lamp type	Lamp watts (W)	ANSI code	Input volts (V)	Order code	Internal code	Description	Circuit type	Input power ANSI (W)	Max. input current (A)
MH	175	M152	120 / 277 / 347	59640	N/A	BMHP0175/TRITAP/C/CWA/H STD	CWA	208	1.10 / 0.50 / 0.40
	200	M136	120 / 277 / 347	16624	BALM0200TCA/PS	BMHP0200/TRITAP/C/CWA/H	CWA	232	1.15 / 0.50 / 0.40
	250	M153	120 / 277 / 347	59641	N/A	BMHP0250/TRITAP/C/CWA/H STD	CWA	288	1.65 / 0.75 / 0.60
	320	M154	120 / 208 / 240 / 277	31366	BALM0320QCA/PS	BMHP0320/QUADTAP/C/CWA/H	CWA	368	3.25 / 1.85 / 1.65 / 1.40
			120 / 277 / 347	59642	N/A	BMHP0320/TRITAP/C/CWA/H STD	CWA	368	1.60 / 0.70 / 0.55
	350	M131	120 / 277 / 347	16627	BALM0350TCA/PS	BMHP0350/TRITAP/C/CWA/H	CWA	400	1.80 / 0.78 / 0.40
	400	M155	120 / 208 / 240 / 277	16628	BALM0400QCA/PS	BMHP0400/QUADTAP/C/CWA/H	CWA	452	2.31 / 1.00 / 1.15 / 1.00
			120 / 277 / 347	59639	N/A	BMHP0400/TRITAP/C/CWA/H STD	CWA	452	2.35 / 1.05 / 0.85
	450	M144	120 / 277 / 347	16629	BALM0450TCA/PS	BMHP0450/TRITAP/C/CWA/H	CWA	508	2.90 / 1.27 / 1.00
	575	M178	120 / 277 / 347	58971	N/A	BMHP0575/TRITAP/C/HX/H	HX-HPF	635	10.05 / 3.15 / 3.00
	875	M166	120 / 208 / 240 / 277	57523	N/A	BMHP0875/QUADTAP/C/CWA/HX	CWA	950	6.60 / 3.80 / 3.30 / 2.85
			120 / 277 / 347	56523	N/A	BMHP0875/TRITAP/C/CWA/H	CWA	940	6.50 / 2.85 / 2.25
	1000	M141	120 / 277 / 347	16732	BALM1000TCA/PS	BMHP1000/TRITAP/C/CWA/H	CWA	1080	7.55 / 3.25 / 2.60

Remote Ballasts

Lamp type	Lamp watts (W)	ANSI code	Input volts (V)	Order code	Internal code	Description	Circuit type	Input power ANSI (W)	Max. input current (A)
MH	175	M57	120 / 208 / 240	16609	BALM0175XCI/R	175W M57/H39 CWI IN/OUT REMOTE	CWI	215	0.82 / 0.48 / 0.41
			120 / 277 / 347	31166	BALM0175TCA/R	BMH0175/TRITAP/REM/CWA/H/STD	CWA	210	1.10 / 0.50 / 0.40
			347 / 480 / 600	31200	BALM0175JCI/R	BMH0175/347/480/600/REM/CWI/H/	CWI	215	0.30 / 0.22 / 0.17
	250	M58	120 / 208 / 240	16611	BALM0250XCI/R	BMH250/120/208/240/REM/C/CWI/H	CWI	215	0.82 / 0.48 / 0.41
			120 / 277 / 347	31360	BALM0250TCA/R	BMH0250/TRITAP/REM/CWA/H/STD	CWA	290	1.10 / 0.50 / 0.40
			347 / 480 / 600	16610	BALM0250JCIR	250W MH/MV CWI 347/480/600VREM	CWI	292	0.30 / 0.22 / 0.17
	400	M59	120 / 208 / 240	31361	BALM0400XCI/R	BMH0400/120/208/240/REM/CWI/H/	CWI	462	0.98 / 0.70 / 0.49
			120 / 277 / 347	31177	BALM0400TCA/R	BMH0400/TRITAP/REM/CWA/H/STD	CWA	458	3.10 / 1.40 / 1.10
			347 / 480 / 600	31183	BALM0400JCI/R	BMH0400/347/480/600/REM/CWI/H/	CWI	462	0.33 / 0.23 / 0.19
	1000	M47	120 / 208 / 240	31191	BALM1000XCI/R	BMH1000/120/208/240/REM/CWI/H/	CWI	1080	4.37 / 2.55 / 2.20
			120 / 277 / 347	31184	BALM1000TCA/R	BMH1000/TRITAP/REM/CWA/H/STD	CWA	1080	5.90 / 3.25 / 2.60
			347 / 480 / 600	31190	BALM1000JCI/R	BMH1000/347/480/600/REM/CWI/H/	CWI	1100	1.52 / 1.10 / 0.90
HPS	250	S50	120 / 208 / 240	16630	BALS0250XCI/R	250W 120/208/240V REMOTE	CWI	290	0.87 / 0.51 / 0.44
			120 / 277 / 347	31367	BALS0250TCA/R	BHPS0250/TRITAP/REM/CWA/H/STD	CWA	295	1.86 / 0.81 / 0.64
	400	S51	120 / 208 / 240	16631	BALS0400XCI/R	BHPS0400/120/208/240/REM/CWI/H	CWI	465	0.88 / 0.50 / 0.44
			120 / 277 / 347	31369	BALS0400TCA/R	BHPS0400/TRITAP/REM/CWA/H/STD	CWA	464	3.20 / 1.40 / 1.15
			347 / 480 / 600	31368	BALS0400JCI/R	BHPS0400/347/480/600/REM/CWI/H	CWI	465	0.54 / 0.40 / 0.32

1- For additional specifications, dimensions, wiring diagrams, and a complete ballast listing, please visit www.standardpro.com

Ballast Limited Warranty

Product type	Warranty period
STD Electronic Linear and Compact Fluorescent Ballast (75°C)	5 years
STD Electronic Linear and Compact Fluorescent Ballast (90°C)	3 years
STD Energy Saving Electromagnetic Ballast	
STD Electromagnetic High Intensity Discharge Ballast	
STD Electromagnetic Ballast	2 years



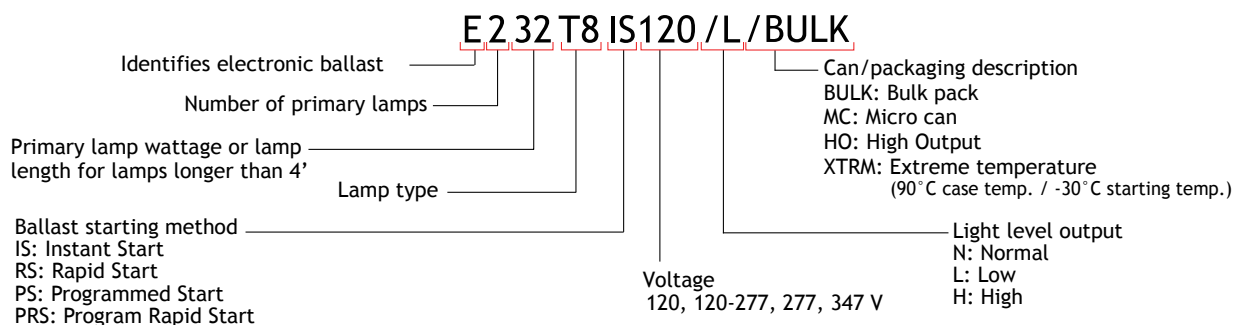
BALLAST



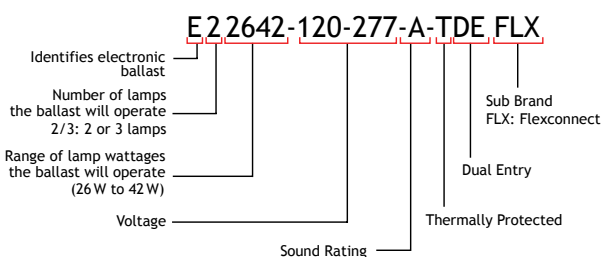
STANDARD also offers a One System Warranty when STANDARD brand lamps and ballasts are used together. For complete warranty details as well as terms and conditions, please visit www.standardpro.com

Product Description Guide

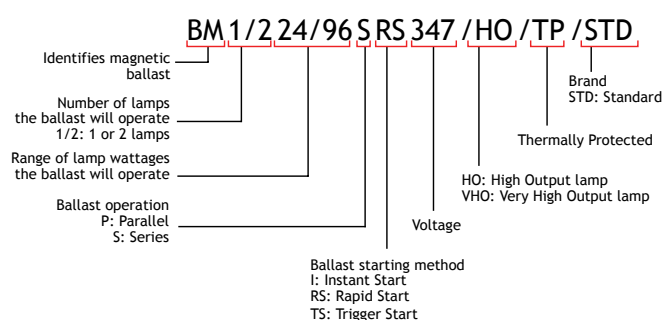
Electronic Linear



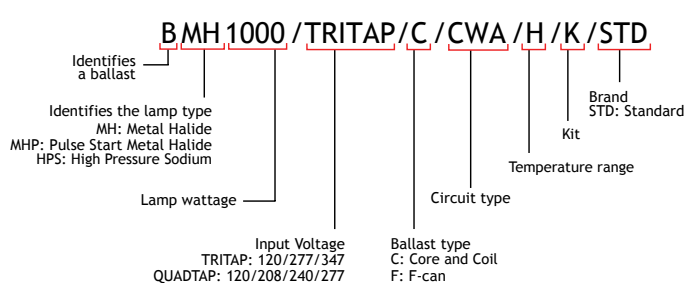
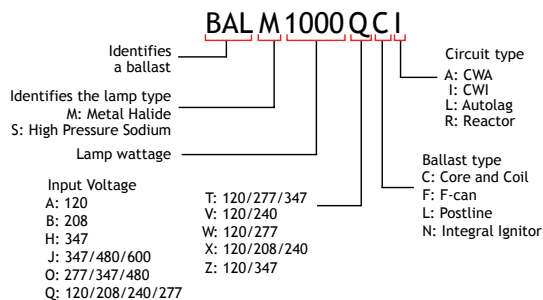
Electronic CFL



Magnetic Linear



Magnetic HID





www.standardpro.com

Standard Products Inc.
5905 chemin de la Côte-de-Liesse
Saint-Laurent, QC
Canada, H4T 1C3
T.: (514) 342-1199
F.: (514) 342-6261
1 (800) 361-6965



Atlantic, Western
Quebec, Ottawa
(800) 361-6965

Eastern Quebec
(866) 686-3337

Ontario, Manitoba
Saskatchewan
(800) 268-7702

Alberta,
British Columbia
(800) 945-4999