

PHILIPS

LED lamps

InstantFit LED

Ballast/Driver Compatibility Guide



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T8 Programmed-Start

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T8 Instant-Start

UL Type A ballasts

		10.5W 1650 lm (4 ft.)	14.5W 2200 lm (4 ft.)	7 W 1050 lm (2 ft.)	8.5 W 1200 lm (3 ft.)	9 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	10 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)
		BAA	BAA	469270, 469288 469296, 469304 469429, 469445 469437, 541813		469320, 469338 469346, 469353		473974, 473982	468264, 468272 468280, 468298 468694, 469569	468306, 468314 468322, 468330 469061, 469619 469627, 469635	473926, 473934 473942, 473958
		576777, 576785 576793	576801, 576819 576827	541821, 541839 541847	539858, 539874 539882, 539866	469452, 469478 469460	565580, 565598 565606, 565614	473990, 474007 540807	469577, 469585 469593, 473966	468652, 468660 468678, 468686	
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-1P32-N										
Philips Advance	ICN-2P32-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-3P32-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-4P32-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-1P32-N			Inadvisable						Inadvisable	Inadvisable
Philips Advance	IOPA-2P32-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-3P32-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-4P32-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-2P32-LW-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-3P32-LW-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-4P32-LW-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-1P32-HL-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-2P32-HL-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-3P32-HL-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-4P32-HL-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-1P32-SC			● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-2P32-SC			● Certified			● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-3P32-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-4P32-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-2P32-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-2P32-LW-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-1P32-LW-SC			● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-2P32-LW-SC			● Certified			● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-3P32-LW-SC			● Certified			● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-4P32-LW-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	RES-2P32-N			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	REB-2P32-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	REB-4P32-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH3-120-L			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH3-277-L			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH5-120-L			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified		
Fulham Co., Inc	WH5-277-L			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG1-UNV-T8-IS			Inadvisable	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG2-UNV-T8-IS			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG2-UNV-T8-LB				● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG3-UNV-T8-IS	■ Certified	■ Certified	Inadvisable	Inadvisable	Inadvisable	● Certified	● Certified	● Certified		

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 2. Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Instant-Start

UL Type A ballasts

		10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)	16W 1800 lm (4 ft. Glass)	17W 2100 lm (4 ft. Glass)	15.5 W 2500 lm (4 ft.)	16.5 W 2500 lm (4 ft.)	16 W 1800 lm (4 ft.)	12.5 W 1800 lm (4 ft.)	13W 2100 lm (U-Bent) ²
		541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	542084, 542092 542100, 545616 544502, 544510 544486, 544494 544759, 545624 544916	456566, 456574 472878, 472886 472894, 472902 472910, 472928 472936, 472944 472968, 472976 479782, 479790	545178, 533372 545194, 545200	463133, 463141 463158, 468892	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556	FlexFit 560193, 600189 600197	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 545814, 544874 544882
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-1P32-N									● Certified	
Philips Advance	ICN-2P32-N	● Certified	● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-3P32-N			● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	ICN-4P32-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOPA-1P32-N				Inadvisable	Inadvisable	Inadvisable	Inadvisable	Inadvisable	● Certified	Inadvisable
Philips Advance	IOPA-2P32-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-3P32-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOPA-4P32-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOPA-2P32-LW-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-3P32-LW-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOPA-4P32-LW-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOPA-1P32-HL-N				● Certified	● Certified					
Philips Advance	IOPA-2P32-HL-N	● Certified	● Certified	● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOPA-3P32-HL-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOPA-4P32-HL-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	Inadvisable	
Philips Advance	GOPA-1P32-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	GOPA-2P32-SC	● Certified	● Certified	● Certified		● Certified	● Certified	● Certified		● Certified	
Philips Advance	GOPA-3P32-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	GOPA-4P32-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	GOPA-2P32-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-2P32-LW-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-1P32-LW-SC	● Certified	● Certified	● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GOPA-2P32-LW-SC	● Certified	● Certified	● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	GOPA-3P32-HL-SC	● Certified	● Certified	● Certified		● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	GOPA-4P32-LW-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	REB-2P32-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	REB-2P32-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	REB-4P32-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH3-120-L	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH3-277-L	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Fulham Co., Inc	WH5-120-L										
Fulham Co., Inc	WH5-277-L	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Fulham Co., Inc	WHSG1-UNV-T8-IS	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG2-UNV-T8-IS	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG2-UNV-T8-LB	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG3-UNV-T8-IS										

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 2. Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Instant-Start

UL Type A ballasts

	10.5W 1650 lm (4 ft.)	14.5W 2200 lm (4 ft.)	7 W 1050 lm (2 ft.)	8.5 W 1200 lm (3 ft.)	9 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	10 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)
	BAA	BAA	469270, 469288 469296, 469304 469429, 469445 469437, 541813		469320, 469338 469346, 469353		473974, 473982	468264, 468272 468280, 468298 468694, 469569	468306, 468314 468322, 468330 469061, 469619 469627, 469635	473926, 473934 473942, 473958
	576777, 576785 576793	576801, 576819 576827	541821, 541839 541847	539858, 539874 539882, 539866	469452, 469478 469460	565580, 565598 565606, 565614	473990, 474007 540807	469577, 469585 469593, 473966	468652, 468660 468678, 468686	
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Fulham Co., Inc	WHSG3-UNV-T8-LB			Inadvisable	Inadvisable	Inadvisable	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG3-UNV-T8-HB			Inadvisable	Inadvisable	Inadvisable	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH42-UNV-L			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH43-UNV-L			Inadvisable	Inadvisable	Inadvisable	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH44-UNV-L			Inadvisable	Inadvisable	Inadvisable	● Certified	● Certified	● Certified	
Fulham Co., Inc / Leviton	Zipline (36IRC-Z03)			Inadvisable	Inadvisable	Inadvisable	● Certified	● Certified	● Certified	
Universal Lighting Tech.	B132IUNVHP-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232IUNVHP-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVHP-A	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432IUNVHP-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B132IUNVHE-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232IUNVHE-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVHE-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432IUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B132IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVEL-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432IUNVEL-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232IUNVHEH-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVHEH-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432I277HEH			■ Certified			■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232I347HP-A			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B432I347HP			■ Certified		■ Certified	■ Certified	■ Certified		■ Certified
General Electric	GE-132-MV-N								■ Certified	■ Certified
General Electric	GE-232-MV-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-332-MV-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-232-MV-N-DIY			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-332-MV-N-DIY			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-432-MV-N-DIY			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232MAX-N/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-N/ULTRA	■ Certified	■ Certified	■ Certified		■ Certified			■ Certified	■ Certified
General Electric	GE432MAX-N/ULTRA	■ Certified	■ Certified	■ Certified		■ Certified	Inadvisable	Inadvisable	Inadvisable	■ Certified
General Electric	GE232MAX-L/ULTRA			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-L/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MAX-L/ULTRA	■ Certified	■ Certified	■ Certified	Inadvisable	Inadvisable			■ Certified	■ Certified
General Electric	GE132MAX-H/ULTRA						■ Certified	■ Certified	■ Certified	■ Certified

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		541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	542084, 542092 542100, 545616 544502, 544510 544486, 544494 544759, 545624 544916	456566, 456574 472878, 472886 472894, 472902 472910, 472928 472936, 472944 472968, 472976 479782, 479790	545178, 533372 545194, 545200	463133, 463141 463158, 468892	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556	FlexFit 560193, 600189 600197	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 545814, 544874 544882
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Fulham Co., Inc	WHSG3-UNV-T8-LB	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WHSG3-UNV-T8-HB	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH42-UNV-L	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH43-UNV-L	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	WH44-UNV-L										
Fulham Co., Inc / Leviton	Zipline (361RC-Z03)										
Universal Lighting Tech.	B132IUNVHP-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B232IUNVHP-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVHP-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B432IUNVHP-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B132IUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B232IUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432IUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B132IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B232IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B432IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B232IUNVHEH-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B332IUNVHEH-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B432I277HEH	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B232I347HP-A	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified		■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432I347HP	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified		■ Certified	■ Certified	
General Electric	GE-132-MV-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-232-MV-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-332-MV-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE-232-MV-N-DIY	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-332-MV-N-DIY	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE-432-MV-N-DIY	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE232MAX-N/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	Inadvisable	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-N/ULTRA	Inadvisable	Inadvisable	Inadvisable		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE432MAX-N/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified				■ Certified	■ Certified	
General Electric	GE232MAX-L/ULTRA	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-L/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MAX-L/ULTRA	Inadvisable	Inadvisable	Inadvisable		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE132MAX-H/ULTRA	■ Certified	■ Certified	■ Certified					■ Certified	■ Certified	

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 System performance blank field means consult factory.

2. Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Instant-Start

UL Type A ballasts

		10.5W 1650 lm (4 ft.)	14.5W 2200 lm (4 ft.)	7 W 1050 lm (2 ft.)	8.5 W 1200 lm (3 ft.)	9 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	10 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)
		BAA	BAA	469270, 469288 469296, 469304 469429, 469445 469437, 541813		469320, 469338 469346, 469353		473974, 473982	468264, 468272 468280, 468298 468694, 469569	468306, 468314 468322, 468330 469061, 469619 469627, 469635	473926, 473934 473942, 473958
		576777, 576785 576793	576801, 576819 576827	541821, 541839 541847	539858, 539874 539882, 539866	469452, 469478 469460	565580, 565598 565606, 565614	473990, 474007 540807	469577, 469585 469593, 473966	468652, 468660 468678, 468686	
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
General Electric	GE232MAX-H/ULTRA			■ Certified	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-H/ULTRA			■ Certified	■ Certified	■ Certified	Inadvisable	Inadvisable	Inadvisable	■ Certified	■ Certified
General Electric	GE432MAX-H/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232MAX347-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MAX347-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232-120RES-DIY			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432-120RES-DIY			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 1x32T8/UNV ISN-SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 2x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 3x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 4x32T8/UNV ISN-SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 2X32T8/347 ISN-SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4X32T8/347 ISN-SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISH-SC	■ Certified	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISH-SC			■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISH-SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISH			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISH HT SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISH HT SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4X32T8/UNV ISH-HT-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISN-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISN-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISN-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISN-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISL-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISL-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISL-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Ultrasave	UT232347			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified

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 System performance ■ Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp manufacturer only.
 System performance blank field means consult factory.

2. Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Instant-Start

UL Type A ballasts

		10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)	16W 1800 lm (4 ft. Glass)	17W 2100 lm (4 ft. Glass)	15.5 W 2500 lm (4 ft.)	16.5 W 2500 lm (4 ft.)	16 W 1800 lm (4 ft.)	12.5 W 1800 lm (4 ft.)	13W 2100 lm (U-Bent) ²
		541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	542084, 542092 542100, 545616 544502, 544510 544486, 544494 544759, 545624 544916	456566, 456574 472878, 472886 472894, 472902 472910, 472928 472936, 472944 472968, 472976 479782, 479790	545178, 533372 545194, 545200	463133, 463141 463158, 468892	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556	FlexFit 560193, 600189 600197	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 545814, 544874 544882
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
General Electric	GE232MAX-H/ULTRA				Inadvisable	Inadvisable	Inadvisable	Inadvisable	Inadvisable	■ Certified	■ Certified
General Electric	GE332MAX-H/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MAX-H/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232MAX347-N	■ Certified	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MAX347-N					■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232-120RES-DIY	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432-120RES-DIY	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 1x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 2x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 3x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 4x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 2X32T8/347 ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4X32T8/347 ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified		■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISL-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISH-SC	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISH-SC	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISH-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISH	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISH HT SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISH HT SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4X32T8/UNV ISH-HT-1	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISN-SC-1	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISN-SC-1	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISN-SC-1	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISN-SC-1	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	Inadvisable	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 1x32T8/UNV ISL-SC-1	■ Certified	■ Certified	■ Certified			■ Certified		■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2x32T8/UNV ISL-SC-1			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4x32T8/UNV ISL-SC-1	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Ultrasave	UT232347	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified

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T8 Instant-Start

UL Type A ballasts

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		BAA	BAA	469270, 469288 469296, 469304 469429, 469445 469437, 541813		469320, 469338 469346, 469353		473974, 473982	468264, 468272 468280, 468298 468694, 469569	468306, 468314 468322, 468330 469061, 469619 469627, 469635	473926, 473934 473942, 473958
		576777, 576785 576793	576801, 576819 576827	541821, 541839 541847	539858, 539874 539882, 539866	469452, 469478 469460	565580, 565598 565606, 565614	473990, 474007 540807	469577, 469585 469593, 473966	468652, 468660 468678, 468686	
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Ultrasave	UT432347			■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL232AIS/UV/HE/W			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL332AIS/UV/HE/W			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL232BIS/UV/HE/W			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL432BIS/UV/HE/W	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL232AIS/34/HE/W			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified			
Hatch	HL432AIS/34/HE/W			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Accupro	AK-RC-232IP-UNV			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Accupro	AP-232IP-UNV-M						■ Certified	■ Certified			
Accupro	AP-332IP-UNV			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Howard Industries	EP2/32IS/MV/MC/HE	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Howard Industries	EP4/32IS/MV/MC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Howard Industries	EP4/32IS/MV/MC/HE	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Fusion	FB232347E-N			■ Certified	■ Certified	■ Certified					
Fusion	FB232MVE			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Fusion	FB432MVE-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-132-UV-IS-N-P			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-232RIS-1-TP-SL			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-232-UV-IS-L-P			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-232-UV-IS-N-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-332-UV-IS-L-P			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-332-UV-IS-N-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-432RIS-1-TP-SL	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified					
Keystone	KTEB-432-UV-IS-N-P			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-432-UV-PS-N-P			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232120HIP			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPHE			■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPLE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE332120MIP			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE332MVHIPHE			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE432120MIP			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE432MVHIPE			■ Certified		■ Certified					
ESPEN	VE432MVHIPH			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE432MVHIPHE			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE432MVHIPLE			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified

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 System performance blank field means consult factory.

2. Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Instant-Start

UL Type A ballasts

		10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)	16W 1800 lm (4 ft. Glass)	17W 2100 lm (4 ft. Glass)	15.5 W 2500 lm (4 ft.)	16.5 W 2500 lm (4 ft.)	16 W 1800 lm (4 ft.)	12.5 W 1800 lm (4 ft.)	13W 2100 lm (U-Bent) ²
		541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	542084, 542092 542100, 545616 544502, 544510 544486, 544494 544759, 545624 544916	456566, 456574 472878, 472886 472894, 472902 472910, 472928 472936, 472944 472968, 472976 479782, 479790	545178, 533372 545194, 545200	463133, 463141 463158, 468892	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556	FlexFit 560193, 600189 600197	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 545814, 544874 544882
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Ultrasave	UT432347					■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Hatch	HL232AIS/UV/HE/W	■ Certified	■ Certified					■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL332AIS/UV/HE/W	■ Certified	■ Certified		■ Certified			■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL232BIS/UV/HE/W	■ Certified	■ Certified		■ Certified			■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL432BIS/UV/HE/W	■ Certified	■ Certified		■ Certified			■ Certified	■ Certified		
Hatch	HL232AIS/34/HE/W				■ Certified				■ Certified	■ Certified	■ Certified
Hatch	HL432AIS/34/HE/W	■ Certified	■ Certified				■ Certified		■ Certified	■ Certified	
Accupro	AK-RC-232IP-UNV	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Accupro	AP-232IP-UNV-M	■ Certified	■ Certified		■ Certified		■ Certified		■ Certified	■ Certified	■ Certified
Accupro	AP-332IP-UNV	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified
Howard Industries	EP2/32IS/MV/MC/HE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Howard Industries	EP4/32IS/MV/MC				■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	
Howard Industries	EP4/32IS/MV/MC/HE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Fusion	FB232347E-N										
Fusion	FB232MVE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Fusion	FB432MVE-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-132-UV-IS-N-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-232RIS-1-TP-SL	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-232-UV-IS-L-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-232-UV-IS-N-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified
Keystone	KTEB-332-UV-IS-L-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Keystone	KTEB-332-UV-IS-N-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Keystone	KTEB-432RIS-1-TP-SL	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	
Keystone	KTEB-432-UV-IS-N-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-432-UV-PS-N-P	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
ESPEN	VE232120HIP	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPHE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPLE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified
ESPEN	VE332120MIP	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
ESPEN	VE332MVHIPHE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
ESPEN	VE432120MIP	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
ESPEN	VE432MVHIPE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	
ESPEN	VE432MVHIPH				■ Certified		■ Certified	■ Certified			
ESPEN	VE432MVHIPHE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE432MVHIPLE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	

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 2. Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Programmed-Start

UL Type A fixed output ballasts

		10.5W 1650 lm (4 ft.)	14.5W 2200 lm (4 ft.)	7 W 1050 lm (2 ft.)	8.5 W 1200 lm (3 ft.)	9 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	10 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)
		BAA	BAA	469270, 469288 469296, 469304 469429, 469445 469437, 541813		469320, 469338 469346, 469353		473974, 473982	468264, 468272 468280, 468298 468694, 469569	468306, 468314 468322, 468330 469061, 469619 469627, 469635	
		576777, 576785 576793	576801, 576819 576827	541821, 541839 541847	539858, 539874 539882, 539866	469452, 469478 469460	565580, 565598 565606, 565614	473990, 474007 540807	469577, 469585 469593, 473966	468652, 468660 468678, 468686	473926, 473934 473942, 473958
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	IOP-1PSP32-N										● Certified
Philips Advance	IOP-2PSP32-N										● Certified
Philips Advance	IOP-3PSP32-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOP-4PSP32-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOP-1PSP32-LW-N										● Certified
Philips Advance	IOP-2PSP32-LW-N									● Certified	● Certified
Philips Advance	IOP-3PSP32-LW-SC			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IOP-4PSP32-LW-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	HOP-2PSP32-HL-L									● Certified	● Certified
Philips Advance	HOP-4PSP32-HL-G									● Certified	● Certified
Universal Lighting Tech.	B232PUNVHE-B	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332PUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432PUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232PUNVHEH-A									■ Certified	■ Certified
Universal Lighting Tech.	B332PUNVHEH-A									■ Certified	■ Certified
Universal Lighting Tech.	B232PUNVEL-B									■ Certified	■ Certified
Universal Lighting Tech.	B332PUNVEL-A									■ Certified	■ Certified
Universal Lighting Tech.	B432PUNVEL-A									■ Certified	■ Certified
General Electric	GE-232MVPS-XL									■ Certified	■ Certified
General Electric	GE-332MVPS-XL									■ Certified	■ Certified
General Electric	GE-132MVPS-L									■ Certified	■ Certified
General Electric	GE-232MVPS-L									■ Certified	■ Certified
General Electric	GE-332MVPS-L									■ Certified	■ Certified
General Electric	GE-432MVPS-L									■ Certified	■ Certified
General Electric	GE-132MVPS-N									■ Certified	■ Certified
General Electric	GE-232MVPS-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-332MVPS-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-432MVPS-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-132MVPS-H									■ Certified	■ Certified
General Electric	GE-232MVPS-H									■ Certified	■ Certified
General Electric	GE-332MVPS-H									■ Certified	■ Certified
General Electric	GE-432MVPS-H									■ Certified	■ Certified
Osram Sylvania	QHE 1X32T8/UNV PSX-MC										■ Certified
Osram Sylvania	QHE 2X32T8/UNV PSX-MC										■ Certified
Osram Sylvania	QHE 3X32T8/UNV PSX-SC									■ Certified	■ Certified
Osram Sylvania	QHE 4X32T8/UNV PSX-SC									■ Certified	■ Certified

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- Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Programmed-Start

UL Type A fixed output ballasts

		10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)	15.5 W 2500 lm (4 ft.)	16.5 W 2500 lm (4 ft.)	16 W 1800 lm (4 ft.)	13W 2100 lm (U-Bent) ²
		541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	545178, 533372 545194, 545200	463133, 463141 463158, 468892	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	IOP-1PSP32-N						● Certified	
Philips Advance	IOP-2PSP32-N						● Certified	
Philips Advance	IOP-3PSP32-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOP-4PSP32-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	
Philips Advance	IOP-1PSP32-LW-N						● Certified	
Philips Advance	IOP-2PSP32-LW-N							
Philips Advance	IOP-3PSP32-LW-SC	● Certified	● Certified	● Certified	● Certified	● Certified		
Philips Advance	IOP-4PSP32-LW-SC	● Certified	● Certified	● Certified	● Certified	● Certified		
Philips Advance	HOP-2PSP32-HL-L						● Certified	
Philips Advance	HOP-4PSP32-HL-G						● Certified	
Universal Lighting Tech.	B232PUNVHE-B	■ Certified	■ Certified	■ Certified				
Universal Lighting Tech.	B332PUNVHE-A	■ Certified	■ Certified	■ Certified				
Universal Lighting Tech.	B432PUNVHE-A	■ Certified	■ Certified	■ Certified				
Universal Lighting Tech.	B232PUNVHEH-A						■ Certified	
Universal Lighting Tech.	B332PUNVHEH-A						■ Certified	
Universal Lighting Tech.	B232PUNVEL-B						■ Certified	
Universal Lighting Tech.	B332PUNVEL-A						■ Certified	
Universal Lighting Tech.	B432PUNVEL-A						■ Certified	
General Electric	GE-232MVPS-XL						■ Certified	
General Electric	GE-332MVPS-XL						■ Certified	
General Electric	GE-132MVPS-L						■ Certified	
General Electric	GE-232MVPS-L						■ Certified	
General Electric	GE-332MVPS-L						■ Certified	
General Electric	GE-432MVPS-L						■ Certified	
General Electric	GE-132MVPS-N						■ Certified	
General Electric	GE-232MVPS-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE-332MVPS-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE-432MVPS-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE-132MVPS-H						■ Certified	
General Electric	GE-232MVPS-H						■ Certified	
General Electric	GE-332MVPS-H						■ Certified	
General Electric	GE-432MVPS-H						■ Certified	
Osram Sylvania	QHE 1X32T8/UNV PSX-MC						■ Certified	
Osram Sylvania	QHE 2X32T8/UNV PSX-MC						■ Certified	
Osram Sylvania	QHE 3X32T8/UNV PSX-SC						■ Certified	
Osram Sylvania	QHE 4X32T8/UNV PSX-SC						■ Certified	

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- Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Programmed-Start

UL Type A fixed output ballasts

		10.5W 1650 lm (4 ft.)	14.5W 2200 lm (4 ft.)	7 W 1050 lm (2 ft.)	8.5 W 1200 lm (3 ft.)	9 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	10 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)	
		BAA	BAA	469270, 469288 469296, 469304 469429, 469445 469437, 541813			469320, 469338 469346, 469353		473974, 473982	468264, 468272 468280, 468298 468694, 469569	468306, 468314 468322, 468330 469061, 469619 469627, 469635	
		576777, 576785 576793	576801, 576819 576827	541821, 541839 541847	539858, 539874 539882, 539866	469452, 469478 469460	565580, 565598 565606, 565614	473990, 474007 540807	469577, 469585 469593, 473966	468652, 468660 468678, 468686	473926, 473934 473942, 473958	
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Osram Sylvania	QHE 1X32T8/UNV PSN-MC									■ Certified	■ Certified	
Osram Sylvania	QHE 2X32T8/UNV PSN-MC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3X32T8/UNV PSN-SC			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 4X32T8/UNV PSN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHES 2X32T8/UNV PSL-SC									■ Certified		
Osram Sylvania	QHE 2X32T8/UNV PSH-HT	■ Certified	■ Certified							■ Certified	■ Certified	
Osram Sylvania	QHE 3X32T8/UNV PSH-HT-SC									■ Certified	■ Certified	
Osram Sylvania	QHE 4X32T8/UNV PSH-HT									■ Certified	■ Certified	
Hatch	HL232APS/UV/HE/W									■ Certified	■ Certified	
Hatch	HL332APS/UV/HE/W									■ Certified	■ Certified	
Hatch	HL432APS/UV/HE/W									■ Certified	■ Certified	
Hatch	HL232BPS/UV/HE/W									■ Certified	■ Certified	
Hatch	HL332BPS/UV/HE/W									■ Certified	■ Certified	
Hatch	HL432BPS/UV/HE/W									■ Certified	■ Certified	
Hatch	HL232CPS/UV/HE/W									■ Certified	■ Certified	
Hatch	HL332CPS/UV/HE/W									■ Certified	■ Certified	

T8 Programmed-Start

Dimmable ballasts

		10.5W 1650 lm (4 ft.)	14.5W 2200 lm (4 ft.)	7 W 1050 lm (2 ft.)	8.5 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)	15.5 W 2500 lm (4 ft.)
		BAA	BAA	469270, 469288 469296, 469304 469429, 469445 469437, 541813				468306, 468314 468322, 468330 469061, 469619 469627, 469635		
		576777, 576785 576793	576801, 576819 576827	541821, 541839 541847	539858, 539874 539882, 539866	565580, 565598 565606, 565614	473990, 474007 540807	473974, 473982 468652, 468660 468678, 468686	473926, 473934 473942, 473958	545178, 533372 545194, 545200
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	IZT-2S32-SC									
Philips Advance	IZT-4S32									
Philips Advance	REZ-132-SC							● Certified	● Certified	
Philips Advance	REZ-2S32-SC							● Certified	● Certified	
Philips Advance	REZ-3S32-SC							● Certified	● Certified	
General Electric	GE132MVPSN-V03	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232MVPSN-V03			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MVPSN-V03			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MVPSN-V03			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232MVPSH-V03			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MVPSH-V03			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MVPSH-V03			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified

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2. Typical application for U-Bent lamps is with 2-lamp ballasts.

T8 Programmed-Start

UL Type A fixed output ballasts

		10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)	15.5 W 2500 lm (4 ft.)	16.5 W 2500 lm (4 ft.)	16 W 1800 lm (4 ft.)	13W 2100 lm (U-Bent) ²
		541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	545178, 533372 545194, 545200	463133, 463141 463158, 468892	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Osram Sylvania	QHE 1X32T8/UNV PSN-MC						■ Certified	
Osram Sylvania	QHE 2X32T8/UNV PSN-MC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 3X32T8/UNV PSN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Osram Sylvania	QHE 4X32T8/UNV PSN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Osram Sylvania	QHES 2X32T8/UNV PSL-SC							
Osram Sylvania	QHE 2X32T8/UNV PSH-HT						■ Certified	
Osram Sylvania	QHE 3X32T8/UNV PSH-HT-SC						■ Certified	
Osram Sylvania	QHE 4X32T8/UNV PSH-HT						■ Certified	
Hatch	HL232APS/UV/HE/W						■ Certified	
Hatch	HL332APS/UV/HE/W						■ Certified	
Hatch	HL432APS/UV/HE/W						■ Certified	
Hatch	HL232BPS/UV/HE/W						■ Certified	
Hatch	HL332BPS/UV/HE/W						■ Certified	
Hatch	HL432BPS/UV/HE/W						■ Certified	
Hatch	HL232CPS/UV/HE/W						■ Certified	
Hatch	HL332CPS/UV/HE/W						■ Certified	

T8 Programmed-Start

Dimmable ballasts

		10 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)	13W 2100 lm (U-Bent) ²		
		541986, 541994 553214, 553222 553230, 553248	470096, 470104 470112, 470120	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888		
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Dimmers	
Philips Advance	IZT-2S32-SC				Use Compatible 0-10V dimmer	
Philips Advance	IZT-4S32				Use Compatible 0-10V dimmer	
Philips Advance	REZ-132-SC				Philips Lightolier - V1500EBUW	Lutron - MRF2-6ND-120
Philips Advance	REZ-2S32-SC				Philips Lightolier - V1500EBUW	Lutron - MRF2-6ND-120
Philips Advance	REZ-3S32-SC				Philips Lightolier - V1500EBUW	Lutron - MRF2-6ND-120
General Electric	GE132MVPSN-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0-10V dimmer	
General Electric	GE232MVPSN-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0-10V dimmer	
General Electric	GE332MVPSN-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0-10V dimmer	
General Electric	GE432MVPSN-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0-10V dimmer	
General Electric	GE232MVPSH-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0-10V dimmer	
General Electric	GE332MVPSH-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0-10V dimmer	
General Electric	GE432MVPSH-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0-10V dimmer	

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System performance ■ Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp manufacturer only.
System performance blank field means consult factory.
- Typical application for U-Bent lamps is with 2-lamp ballasts.

Emergency ballasts

(contact the emergency ballast manufacturer for wiring diagrams)

	10.5W 1650 lm (4 ft.)	14.5W 2200 lm (4 ft.)	7 W 1050 lm (2 ft.)	9 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	10 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)	
BAA	BAA		469270, 469288 469296, 469304 469429, 469445 469437, 541813 469437, 541813	469320, 469338 469346, 469353 469452, 469478 469460, 539858	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541821, 541839 541847	473974, 473982 473990, 474007 540807	473974, 473982 473974, 473982 473990, 474007 540807	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 473974, 473982 473990, 474007	468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686	473926, 473934 473942, 473958
576777, 576785 576793	576801, 576819 576827		541821, 541839 541847	539874, 539882 539866	565580, 565598 565606, 565614					

Manufacturer	Ballast Model	# of lamps in emergency	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Bodine	(new) B50 (12 NC: 913702456401)	1			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	B50CT	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	PEL12	1			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	LP600	1			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	LP600STU	1			Inadvisable	Inadvisable	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Chloride	DEB-6LP	1			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	I-320	1 or 2			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	I-1605	1 or 2			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	I-162	2			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	ISL-54	1 or 2			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	ISL-540	1 or 2			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	FH7-UNV-500L	1			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	FH11-UNV-750L-xx	1			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	FH12-UNV-1400K-xx	1			● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified

T8 InstantFit drivers

UL/CSA classified w/listed drivers

	7 W 1050 lm (2 ft.)	8.5 W 1200 lm (3 ft.)	9 W 1200 lm (3 ft.)	8.9 W 1600 lm (4 ft.)	9.5 W 1600 lm (4 ft.)	10 W 1600 lm (4 ft.)	14 W 2100 lm (4 ft.)	13 W 2100 lm (4 ft.)	10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)
	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888	565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966	541986, 541994 553214, 553222 553230, 553248	473926, 473934 473942, 473958	541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120

Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-2P13-TLED-N								● Certified			
Philips Advance	ICN-2P15-TLED-N	● Certified	● Certified									
Philips Advance	ICN-2P16-TLED-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-3P13-TLED-N								● Certified			
Philips Advance	ICN-3P15-TLED-N	● Certified	● Certified									
Philips Advance	ICN-3P16-TLED-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-4P13-TLED-N								● Certified			
Philips Advance	ICN-4P15-TLED-N	● Certified	● Certified									
Philips Advance	ICN-4P16-TLED-N	● Certified	● Certified	● Certified	3-lamp only (N-1)	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-2P16-TLED-EL-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-2P16-TLED-HL-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-4P16-TLED-HL-SC	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IZT-2P16-TLED-SC	● Certified	● Certified		● Certified			● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IZT-4P16-TLED-SC				● Certified			● Certified	● Certified			

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System performance ■ Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp manufacturer only.
System performance blank field means consult factory.
- Typical application for U-Bent lamps is with 2-lamp ballasts.

Emergency ballasts

(contact the emergency ballast manufacturer for wiring diagrams)

			14 W 2100 lm (4 ft. Glass)	10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)	17W 2100 lm (4 ft. Glass)	16.5 W 2500 lm (4 ft.)	13W 2100 lm (U-Bent) ²	T5 HO	T5 HE
			470096, 470104 470112, 470120	541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	456566, 456574 472878, 472886 472894, 472902 472910, 472928 472936, 472944	463133, 463141 463158, 468892	469379, 469387 469395, 469403 469411, 470625	467126, 467134 467142, 467159	476499, 476507 476515, 476523
Manufacturer	Ballast Model	# of lamps in emergency	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Bodine	(new) B50 (12 NC: 913702456401)	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	B50CT	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	PEL12	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	LP600	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Bodine	LP600STU	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Chloride	DEB-6LP	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	I-320	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	I-1605	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	I-162	2	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	ISL-54	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Iota Engineering	ISL-540	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	FH7-UNV-500L	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	FH11-UNV-750L-xx	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham Co., Inc	FH12-UNV-1400K-xx	1	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified

T8 InstantFit drivers

UL/CSA classified w/listed drivers

		15.5 W 2500 lm (4 ft.)	16.5 W 2500 lm (4 ft.)	13W 2100 lm (U-Bent) ²	13W 2100 lm (U-Bent) ²
		545178, 533372 545194, 545200	463133, 463141 463158, 468892	469379, 469387 469395, 469403 469411, 470625	541854, 541862 541870, 541888
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-2P13-TLED-N			● Certified	● Certified
Philips Advance	ICN-2P15-TLED-N	● Certified		● Certified	● Certified
Philips Advance	ICN-2P16-TLED-N	● Certified	● Certified		
Philips Advance	ICN-3P13-TLED-N				
Philips Advance	ICN-3P15-TLED-N	● Certified			
Philips Advance	ICN-3P16-TLED-N	● Certified	● Certified		
Philips Advance	ICN-4P13-TLED-N				
Philips Advance	ICN-4P15-TLED-N	● Certified			
Philips Advance	ICN-4P16-TLED-N	● Certified	● Certified		
Philips Advance	ICN-2P16-TLED-EL-N	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-2P16-TLED-HL-N	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-4P16-TLED-HL-SC	● Certified	● Certified		
Philips Advance	IZT-2P16-TLED-SC	● Certified	● Certified		● Certified
Philips Advance	IZT-4P16-TLED-SC	● Certified	● Certified		

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System performance ■ Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp manufacturer only.
System performance blank field means consult factory.

2. Typical application for U-Bent lamps is with 2-lamp ballasts.

Non-T8 InstantFit drivers

UL/CSA classified with the listed drivers

		T5HO 3500 lm (4 ft.)	35W 4200 lm (8ft Plastic)	30W 4200 lm (8ft Glass)
		467126, 467134 467142, 467159	469239, 469247 469254, 469262	533000, 533018 533026, 533034
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-2S24-TLED-90C-N	● Certified		
Philips Advance	ICN-4S24-TLED-90C-2LS-G	● Certified		
Philips Advance	ICN-2P35-TLED-N		● Certified	● Certified

PL-L ballasts

		16.5 W 2100 lm (PL-L 2 ft.)	16.5 W 2300 lm (PL-L 2 ft.)
		456632, 456640, 456657	532895, 532903, 532911
Manufacturer	Ballast Model	Performance ¹	Performance ¹
Philips Advance	ICN-1TTP40-SC	● Certified	● Certified
Philips Advance	ICN-2TTP40-SC	● Certified*	● Certified*
Philips Advance	ICN-3TTP40-SC	● Certified	
Philips Advance	ICN-2S24-N		● Certified
Philips Advance	ICN-2S24-T		● Certified
Philips Advance	ICN-2S39-N		● Certified
Philips Advance	ICN-2S39-T		● Certified
Philips Advance	ICF-2S42-M2-BS		● Certified
Philips Advance	ICF-2S42-M2-LD		● Certified
Philips Advance	ICF-2S42-90C-M2-BS		● Certified
Philips Advance	ICF-2S42-90C-M2-LD		● Certified
Philips Advance	IZT-2TTS40-SC		● Certified
General Electric	GE140MAX-A	■ Certified	■ Certified
General Electric	GE240MAX-A	■ Certified	■ Certified
General Electric	GE340MAX-A	■ Certified	■ Certified
General Electric	GEC242-MVPS		■ Certified
General Electric	GEC240MVPS-A		■ Certified
General Electric	GEC225MVPS-A		■ Certified
Osram Sylvania	QHE1X40DL/UNV ISN-SC	■ Certified	■ Certified
Osram Sylvania	QHE2X40DL/UNV ISN-SC	■ Certified	■ Certified
Osram Sylvania	QHE3X40DL/UNV ISN-SC	■ Certified	■ Certified
Osram Sylvania	QTP 1x40TT5/277 PSN-F		■ Certified
Osram Sylvania	QTP 2x40TT5/120 PSN-F		■ Certified
Osram Sylvania	QTP 2x40TT5/277 PSN-F		■ Certified
Osram Sylvania	QTP 3x40TT5/120 PSN-B		■ Certified
Osram Sylvania	QTP 3x40TT5/277 PSN-B		■ Certified
Osram Sylvania	QTP 2X26/32/42CF/UNV DM		■ Certified

* Not recommended for one(1) lamp 277V operation.

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PL-C / T 4-pin ballasts

UL/CSA classified with listed drivers

		Vertical Lamp 10.5W	Horizontal Lamp 8.5W	Vertical Lamp 12W	Horizontal Lamp 12W	Vertical Lamp 5.5W	Horizontal Lamp 5.5W
		458406, 458414 458422, 458430	458364, 458372 458380, 458398	476101, 476119 476127, 476135	476069, 476077 476085, 476093	532432, 532440 532457, 532465	532390, 532408 532416, 532424
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICF-2S13-M1-BS	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICF-2S13-H1-LD	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICF-2S13-M1-BS-QS	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICF-2S26-H1-LD	● Certified	● Certified*	● Certified	● Certified*		
Philips Advance	ICF-2S26-M1-BS	● Certified	● Certified	● Certified	● Certified		
Philips Advance	ICF-2S26-M1-BS-QS	● Certified	● Certified	● Certified	● Certified		
Philips Advance	ICF-2S18-H1-LD	● Certified	● Certified	● Certified	● Certified		
Philips Advance	ICF-2S18-M1-BS	● Certified	● Certified	● Certified	● Certified		
Philips Advance	ICF-2S18-M1-BS-QS	● Certified	● Certified	● Certified	● Certified		
Philips Advance	ICF-2S42-M2-LD	● Certified	● Certified	● Certified**	● Certified**		
Philips Advance	ICF-2S42-M2-BS	● Certified	● Certified	● Certified**	● Certified**		
Philips Advance	ICF-2S42-90C-M2-BS	● Certified	● Certified	● Certified**	● Certified**		
Philips Advance	ICF-2S42-90C-M2-LD	● Certified	● Certified	● Certified**	● Certified**		
Philips Advance	IZT-2S26-M5-LD	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	REB-113-M6-EL	● Certified	● Certified	● Certified	● Certified		
Philips Advance	REB-113-M6-BLS					● Certified	● Certified
Philips Advance	REB-118-M6-BLS	● Certified	● Certified	● Certified	● Certified		
Philips Advance	REB-2S18-M6-EL	● Certified	● Certified	● Certified	● Certified		
Philips Advance	REB-126-M6-BLS	● Certified	● Certified	● Certified	● Certified		
General Electric	GEC218-MVPS-SE	■ Certified	■ Certified	■ Certified	■ Certified		
General Electric	GEC226-MVPS-3W	■ Certified	■ Certified	■ Certified	■ Certified		
General Electric	GEC242-MVPS-SE	■ Certified	■ Certified	■ Certified	■ Certified		
Univ. Lighting Tech.	C213UNVME					■ Certified	■ Certified
Univ. Lighting Tech.	C218UNVME	■ Certified	■ Certified	■ Certified	■ Certified		

* This ballast is compatible for two(2) lamp horizontal configuration only.

** When used with one(1) lamp, can only be operated at 120V.

PL-S / C Ballasts 2-pin ballasts**

(UL/CSA classified with the listed ballasts)

		Horizontal Lamp PLS 5W	Vertical Lamp PLC 5W	Horizontal Lamp PLC 5W
		529511, 529560 529578, 529586	532358, 532366 532374, 532382	532309, 532317 532333, 532341
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹
Philips Advance	VH-1B13-TP-W	● Certified	● Certified	● Certified
Philips Advance	H-1B13-TP-W	● Certified	● Certified	● Certified
Philips Advance	VLO-13-TP	● Certified	● Certified	● Certified
Philips Advance	H-2B13-TP-BLS	● Certified	● Certified	● Certified
Philips Advance	LC-13-TP	● Certified	● Certified	● Certified
Robertson	S1P	■ Certified	■ Certified	■ Certified
Robertson	O1527P(3P10104)	■ Certified*	■ Certified*	■ Certified*
Robertson	HP213P(3P10073)	■ Certified	■ Certified	■ Certified

* This ballast is compatible for one(1) lamp configuration only.

**Lamps are only compatible when used with a parallel wiring configuration.

PL-C/T 4-pin ballasts

UL/CSA classified with listed drivers

		Vertical Lamp 10.5W	Horizontal Lamp 8.5W	Vertical Lamp 12W	Horizontal Lamp 12W	Vertical Lamp 5.5W	Horizontal Lamp 5.5W
		458406, 458414 458422, 458430	458364, 458372 458380, 458398	476101, 476119 476127, 476135	476069, 476077 476085, 476093	532432, 532440 532457, 532465	532390, 532408 532416, 532424
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Univ. Lighting Tech.	C2642UNVME	■ Certified	■ Certified	■ Certified	■ Certified		
Univ. Lighting Tech.	C242UNVME	■ Certified	■ Certified	■ Certified	■ Certified		
Univ. Lighting Tech.	C218UNVBE	■ Certified	■ Certified	■ Certified	■ Certified		
Univ. Lighting Tech.	C2642UNVBE	■ Certified	■ Certified	■ Certified	■ Certified		
Osram Sylvania	QTP 1/2X18CF/UNV DM	■ Certified	■ Certified	■ Certified	■ Certified		
Osram Sylvania	QTP 2X26CF/UNV DM						
Osram Sylvania	QTP2x26CF/UNV	■ Certified	■ Certified	■ Certified	■ Certified		
Howard Industries	EP2/26CF/MV/2	■ Certified	■ Certified	■ Certified	■ Certified		
Howard Industries	EP2CF26PS/MV/DC/K	■ Certified	■ Certified	■ Certified	■ Certified		
Motorola	M2-CF-26-B-S-277	■ Certified	■ Certified	■ Certified	■ Certified		
Keystone	KTEB-226-UV-RS-DW	■ Certified	■ Certified	■ Certified	■ Certified		
Fulham	WH2-120-C					■ Certified	■ Certified
Fulham	WH2-120-L					■ Certified	■ Certified
Fulham	NPY-120-226-CFL	■ Certified	■ Certified	■ Certified	■ Certified		
Robertson	RED1L10-120H	■ Certified	■ Certified	■ Certified	■ Certified		
ACE	CSD-332PBM	■ Certified	■ Certified	■ Certified	■ Certified		
Hatch	HC226PS/UV/D	■ Certified	■ Certified	■ Certified	■ Certified		
Deltek	CFL226MVRSL	■ Certified	■ Certified	■ Certified	■ Certified		
Espen	VE226120MR-1						
Sunpark	LC 12010T					■ Certified	■ Certified
Sunpark	SL15T	■ Certified	■ Certified	■ Certified	■ Certified		
Topstar Premium	BB-PL/UNH-1/2X26-1X42	■ Certified	■ Certified	■ Certified	■ Certified		
Topstar Premium	BB-PL/UVH-1/2X13-18	■ Certified	■ Certified	■ Certified	■ Certified		
Antron	16X952 CSD-113PNPF	■ Certified	■ Certified	■ Certified	■ Certified		
Standard	E528-120V/STD/EOL	■ Certified	■ Certified	■ Certified	■ Certified		
Radionic	RPL26-42R-M	■ Certified	■ Certified	■ Certified	■ Certified		
DAMAR	23350D					■ Certified	■ Certified

Emergency PL-C/T 4-pin ballasts

UL/CSA classified with listed drivers

		Vertical Lamp 18W/26W	Horizontal Lamp 18W/26W	Vertical Lamp 32W	Horizontal Lamp 32W	Vertical Lamp 32W	Horizontal Lamp 32W
		458406, 458414 458422, 458430	458364, 458372 458380, 458398	476101, 476119 476127, 476135	476069, 476077 476085, 476093	476101, 476119 476127, 476135	476069, 476077 476085, 476093
Manufacturer	Ballast Model	# of lamps in emergency	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Iota	I-42	1 or 2		● Certified		● Certified	● Certified
Iota	I-420	1	● Certified	● Certified	● Certified	● Certified	● Certified
Iota	I-420	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified
Iota	I-160	1	● Certified		● Certified	● Certified	
Iota	I-160	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham	FH11-UNV-750L	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified
Fulham	FH12-UNV-1400L	1 or 2	● Certified	● Certified	● Certified	● Certified	● Certified

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 System performance blank field means consult factory.

T12 Electronic ballasts

		13 W 2100 lm (4 ft.)	14 W 2100 lm (4 ft.)	16 W 1800 lm (4 ft.)
		473926, 473934 473942, 473958	468306, 468314 468322, 468330 469061, 469619 469627, 469635	539972, 539980 539148, 539155 539163, 542688 542696, 542704
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-2S40-N	● Certified	● Certified	● Certified
Philips Advance	RELB-2S40-N	● Certified	● Certified	● Certified

T12 Rapid-Start Magnetic ballasts

		20 W 2100 lm (4 ft.)	16 W 1800 lm (4 ft.)
		463117, 463125	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556
Manufacturer	Ballast Model	Performance ¹	Performance ¹
Philips Advance	R-140-1-TP	● Certified	
Philips Advance	X-140-TP	● Certified	● Certified
Philips Advance	R-2S40-1-TP	● Certified	● Certified
Philips Advance	XQM-2S40-TP	● Certified	● Certified
Philips Advance	V-2S40-1-TP	● Certified	● Certified
Philips Advance	RQM-2S40-3-TP	● Certified	● Certified
Philips Advance	R-2S34-TP-5	● Certified	● Certified
Philips Advance	V-2S34-TP	● Certified	● Certified
Philips Advance	RM-2S35-TP	● Certified	● Certified
General Electric	GEM240RS277	■ Certified	■ Certified
General Electric	GEM240RS120 -1	■ Certified	■ Certified
Howard Industries	M1/40RS-120	■ Certified	■ Certified
Howard Industries	M2/40RS-277	■ Certified	■ Certified
Howard Industries	M2/40RS-240 -1	■ Certified	■ Certified
Universal Lighting Tech.	412-L-SLH-TC-P	■ Certified	■ Certified
Universal Lighting Tech.	458-L-SLH-TC-P	■ Certified	■ Certified
Universal Lighting Tech.	540-L-TC-P	■ Certified	■ Certified
Universal Lighting Tech.	CAT.NO.446-L-LH-TC-P-7	■ Certified	■ Certified
Universal Lighting Tech.	443-L-SLH-TC-P	■ Certified	■ Certified
Universal Lighting Tech.	446-L-SLH-TC-P	■ Certified	■ Certified
Osram Sylvania	MB1x40/277 RS-1	■ Certified	■ Certified
Osram Sylvania	MB1x40/120RS-1	■ Certified	■ Certified
Osram Sylvania	MB2x40/120RS-1	■ Certified	■ Certified
Osram Sylvania	MB2x40/277RS-1	■ Certified	■ Certified
Industrias Sola Basics S A DE C V	E420-F-234 IC -1	■ Certified	■ Certified
Radionic Industries Inc.	CAT.NO.E5240HTP	■ Certified	■ Certified

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T5 HO ballasts

		576710, 576736 576744	467126, 467134 467142, 467159
Manufacturer	Ballast Model	Performance ¹	Performance ¹
Philips Advance	ICN-2S54-N	● Certified	● Certified
Philips Advance	ICN-2S54-90C-N	● Certified	● Certified
Philips Advance	ICN-2S54-T	● Certified	● Certified
Philips Advance	ICN-2S54-90C-T	● Certified	● Certified
Philips Advance	ICN-2S54-N(L)	● Certified	● Certified
Philips Advance	ICN-4S54-90C-2LS-G	● Certified	● Certified
Philips Advance	HCN-2S54-90C-WL	● Certified	● Certified
Philips Advance	HCN-4S54-90C-2LS-G	● Certified	● Certified
Philips Advance	IZT-2S54-D	● Certified	● Certified
Philips Advance	IZT-154-D	● Certified	● Certified
Philips Advance	REZ-2S54	● Certified	● Certified
General Electric	GE254MVPS-A	■ Certified	■ Certified
General Electric	GE254MVPS-D	■ Certified	■ Certified
General Electric	GE454MVPS90-E-S	■ Certified	■ Certified
General Electric	GE454MVPS90-F	■ Certified	■ Certified
General Electric	GE454MVPS90-G	■ Certified	■ Certified
General Electric	GE254MVPS90-A	■ Certified	■ Certified
Osram Sylvania	QHE 2x54T5HO/UNV PSN	■ Certified	■ Certified
Osram Sylvania	QHE 2x54T5HO/UNV PSN HT	■ Certified	■ Certified
Osram Sylvania	QHE 2x54T5HO/UNV PSN(L)	■ Certified	■ Certified
Osram Sylvania	QTP 2X54T5HO/UNV PSN HT	■ Certified	■ Certified
Universal Lighting Tech.	B254PUNV-D	■ Certified	■ Certified
Universal Lighting Tech.	B254PUNVHB-D	■ Certified	■ Certified
Universal Lighting Tech.	B454PUNV-E	■ Certified	■ Certified
Universal Lighting Tech.	B454PUNVHB-E	■ Certified	■ Certified
Hatch	HL454HO/PS/UV/W	■ Certified	■ Certified
Hatch	HL254HO/PS/UV/W	■ Certified	■ Certified
ESPEN	VE254MVHRP	■ Certified	■ Certified
ESPEN	VE454MVHRP	■ Certified	■ Certified
Fulham	RHA-UNV-254-LT5	■ Certified	■ Certified
Fulham	RHA-UNV-454-LT5	■ Certified	■ Certified
Keystone Inc.	KTEB-254HO-UV-PS-SL	■ Certified	■ Certified
Keystone Inc.	KTEB-454HO-UV-TP-PS	■ Certified	■ Certified
Sunpark	U-2/54T5HO	■ Certified	■ Certified
MAGG	2x54W LFL T5 AFP	■ Certified	■ Certified

T5 HE ballasts

		8 W 1050 lm (2 ft. Glass)	11 W 1500 lm (3 ft. Glass)	14 W 2100 lm (4 ft. Glass)	8 W 1050 lm (2 ft. Glass)	11 W 1500 lm (3 ft. Glass)	14 W 2100 lm (4 ft. Glass)
		476416, 476424 476432, 476440	476457, 476465 476473, 476481	476499, 476507 476515, 476523	476416, 476424 476432, 476440	476457, 476465 476473, 476481	476499, 476507 476515, 476523
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-2S24-N	● Certified	● Certified		● Certified	● Certified	
Philips Advance	ICN-2S24-T	● Certified	● Certified		● Certified	● Certified	
Philips Advance	ICN-2S28-N	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	ICN-2S28-T	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	GCN-2S28-L	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	IZT-128-D	● Certified	● Certified	● Certified			
Philips Advance	IZT-2S28-D	● Certified	● Certified	● Certified	● Certified	● Certified	● Certified
Osram Sylvania	QHE 2X39-24T5HO/UNV PSN	■ Certified	■ Certified		■ Certified	■ Certified	
Osram Sylvania	QTP 2X28T5/UNV PSN	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QHE 2X28T5/UNV PSN	■ Certified*	■ Certified*	■ Certified	■ Certified*	■ Certified*	■ Certified
General Electric	GE228MVPS-MC	■ Certified*	■ Certified*	■ Certified*	■ Certified*	■ Certified*	■ Certified*
General Electric	GE228MVPS-MC-H	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B224PUNV-C	■ Certified	■ Certified		■ Certified	■ Certified	
Universal Lighting Tech.	B228PUNV-C	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B228PUNV-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B228PUNV85-D	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B239PUNV-D	■ Certified*	■ Certified*		■ Certified*	■ Certified*	
Keystone	KTEB-228HE-UV-PS	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Keystone	KTEB-228HE-UV-PS-SL	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Fulham	RHA-UNV-228-LT5	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Robertson	PSA228T5MV	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified

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* This ballast is compatible for two(2) lamp configuration only.

LATAM T8 ballasts

		7W 1150 lm (2 ft.)	10W 1600lm (4 ft.)	13W 2100lm (4 ft.)	17W 2100lm (4 ft.)	13W 2100lm (U-Bent) ²
		929001311004 929001311104	929001397404 929001397504	929001397804 929001397904	929001343503	929001311804 929001311904 929001312004 929001312104
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Philips Advance	ICN-2P32-N	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	RES-2P32-N	● Certified	● Certified	● Certified	● Certified	● Certified
Philips Advance	REM-2P32-N	● Certified	● Certified	● Certified	● Certified	● Certified
ISB Sola Basic	758-232-MC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ISB Sola Basic	758-432-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ISB Sola Basic	758-U-432-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ISB Sola Basic	E-758-U-232-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ISB Sola Basic	EI8-232	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Magg	B04341	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 1X32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	
Osram Sylvania	QTP 2X32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 3X32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	
Osram Sylvania	QTP 4X32T8/UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	

T8 / T12 8' Slimline ballasts

		35W 4200 lm (8ft Plastic)	30W 4200 lm (8ft Glass)
		469239, 469247 469254, 469262	533000, 533018 533026, 533034
Manufacturer	Ballast Model	Performance ¹	Performance ¹
Philips Advance	IOP-2P59-N	● Certified	● Certified
Philips Advance	ICN-2P60-N	● Certified	● Certified
General Electric	GE259MAX-L/ULTRA	■ Certified	■ Certified
General Electric	GE259MAXP-N/ULTRA	■ Certified	■ Certified
General Electric	GE-259-MV-N 30194	■ Certified	■ Certified
General Electric	GE259MAX-G-N 74469	■ Certified	■ Certified
General Electric	GE259MAXP-N-DIY 23954	■ Certified	■ Certified
Howard Industries	EP2/59IS/MV/MC/HE	■ Certified	■ Certified
Howard Industries	E2/75IS-120MC	■ Certified	■ Certified
Fulham	WH5-277-L	■ Certified	■ Certified
Universal Lighting Tech.	B260IUNVHP	■ Certified	■ Certified
Universal Lighting Tech.	B260I120M-A	■ Certified	■ Certified
Osram Sylvania	OSRAM QT 2X96/120 IS	■ Certified	■ Certified
Osram Sylvania	OSRAM QT 2X96/277 IS	■ Certified	■ Certified
Osram Sylvania	2X75W T12(96)	■ Certified	■ Certified
Industrias Sola Basics S A DE C V	EIO-260-MC	■ Certified	■ Certified
Industrias Sola Basics S A DE C V	EIO-230/32-MC	■ Certified	■ Certified

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- Typical application for U-Bent lamps is with 2-lamp ballasts.

LATAM FA8 ballasts

		13W 1600lm (4 ft.)	26W 3200lm (8 ft.)
		929001273412	929001273612
Manufacturer	Ballast Model	Performance ¹	Performance ¹
Philips Advance	ICN-2P59-N	● Certified	● Certified
Philips Advance	REL-275-N	● Certified	● Certified
Philips Advance	REL-239-N	● Certified	● Certified
ISB Sola Basic	758-U-259-SC	■ Certified	■ Certified
ISB Sola Basic	12-EI-139	■ Certified	■ Certified
ISB Sola Basic	EIO-230/232-MC	■ Certified	■ Certified
ISB Sola Basic	758-259-SC	■ Certified	■ Certified
ISB Sola Basic	EIO-U-260-SC	■ Certified	■ Certified
ISB Sola Basic	EIO-260-MC	■ Certified	■ Certified



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