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T8 Programmed-Start

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T8 Programmed-Start

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ballasts

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T8 InstantFit drivers

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		11.5W 2100m (4ft. Glass)	16W 1800 lm (4 ft. Glass)	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.)
T8 Instant-St UL Type A ballasts	art	580266, 580274	580233	BAA 576777, 576785, 576793	576801, 576819, 576827	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866		565580, 565598 565606, 565614		468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966	469061, 469619 469627, 469635 468652, 46866
Manufacturer	Ballast Model			Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Advance	ICN-1P32-N											
Advance	ICN-2P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	ICN-3P32-N					Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	ICN-4P32-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-1P32-N		Inadvisable			Inadvisable						Inadvisable
Advance	IOPA-2P32-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-3P32-N		Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-4P32-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-2P32-LW-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-3P32-LW-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-4P32-LW-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-1P32-HL-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-2P32-HL-N	Certified				Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOPA-3P32-HL-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-4P32-HL-SC	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-1P32-SC	Certified	Certified			Certified		Certified	Certified	Certified	Certified	Certified
Advance	GOPA-2P32-SC					Certified			Certified	Certified	Certified	Certified
Advance	GOPA-3P32-SC	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-4P32-SC	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-2P32-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-2P32-LW-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-1P32-LW-SC	Certified	- certified			Certified	- certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-2P32-LW-SC	Certified				Certified		- certifica	Certified	Certified	Certified	Certified
Advance	GOPA-3P32-LW-SC	Certified				Certified			Certified	Certified	Certified	Certified
Advance	GOPA-4P32-LW-SC	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	RES-2P32-N	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	REB-2P32-SC	Certified	Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	REB-4P32-SC	Certified	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	00111100
Fulham Co., Inc	WH5-277-L		Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Fulham Co., Inc	WHSG1-UNV-T8-IS		Certified			Inadvisable	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	
Fulham Co., Inc	WHSG3-UNV-T8-LB		Certified	- contined	- contined	Inadvisable	Inadvisable	Inadvisable	Certified	Certified	Certified	Certified

System performance ● Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp and ballast manufacturer.

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

		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)	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
T8 Instant-		473926, 473934 473942, 473958	541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	542100, 545616 544502, 544510 544486, 544494	472936, 472944 472968, 472976	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, 46940 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
Advance	ICN-1P32-N										Certified	
Advance	ICN-2P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	ICN-3P32-N	Certified			Certified		Certified	Certified	Certified		Certified	
Advance	ICN-4P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOPA-1P32-N	Inadvisable				Inadvisable	Inadvisable	Inadvisable	Inadvisable	Inadvisable	Certified	Inadvisable
Advance	IOPA-2P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-3P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOPA-4P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOPA-2P32-LW-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOPA-3P32-LW-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOPA-4P32-LW-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOPA-1P32-HL-N	Certified				Certified	Certified					
Advance	IOPA-2P32-HL-N	Certified	Certified	Certified	Certified		Certified	Certified	Certified		Certified	Certified
Advance	IOPA-3P32-HL-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOPA-4P32-HL-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Inadvisable	
Advance	GOPA-1P32-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	GOPA-2P32-SC	Certified	Certified	Certified	Certified		Certified	Certified	Certified		Certified	
Advance	GOPA-3P32-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	GOPA-4P32-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	GOPA-2P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-2P32-LW-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-1P32-LW-SC	Certified	Certified	Certified	Certified		Certified	Certified	Certified	Certified	Certified	Certified
Advance	GOPA-2P32-LW-SC	Certified	Certified	Certified	Certified		Certified	Certified	Certified	Certified	Certified	
Advance	GOPA-3P32-LW-SC	Certified	Certified	Certified	Certified		Certified	Certified	Certified	Certified	Certified	
Advance	GOPA-4P32-LW-SC	 Certified 	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	REB-2P32-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	REB-2P32-SC		Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	REB-4P32-SC	Certified	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	Certified
Fulham Co., Inc	WH3-277-L	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	23.1.1100
Fulham Co., Inc	WH5-120-L		22.3.70	22.3.7.0					22	221		
Fulham Co., Inc	WH5-277-L	Certified	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	Certified
Fulham Co., Inc	WHSG2-UNV-T8-IS	Certified	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	cordina
Fulham Co., Inc	WHSG3-UNV-T8-IS	- certified	- certified	- certified	- certified	- certified	- certified	- certifica	- certified	- certified	- ceremen	
Fulham Co., Inc	WHSG3-UNV-T8-LB	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	

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T8 Instant-Stouch	art	580266, 580274	580233	576777, 576785, 576793	576801, 576819, 576827	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866		565580, 565598 565606, 565614		468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966	469061, 469619 469627, 469635 468652, 46866
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-HB		Certified			Inadvisable	Inadvisable	Inadvisable	Certified	Certified	Certified	Certified
Fulham Co., Inc	WH42-UNV-L		Certified			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Fulham Co., Inc	WH43-UNV-L		Certified			Inadvisable	Inadvisable	Inadvisable	Certified	Certified	Certified	Certified
Fulham Co., Inc	WH44-UNV-L					Inadvisable	Inadvisable	Inadvisable	Certified	Certified	Certified	
Fulham Co., Inc/Leviton	Zipline (361RC-Z03)					Inadvisable	Inadvisable	Inadvisable	Certified	Certified	Certified	
Universal Lighting Tech.	B132IUNVHP-N	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232IUNVHP-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVHP-A	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432IUNVHP-A	■ Certified	■ Certified	■ 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
Universal Lighting Tech.	B332IUNVHE-A	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432IUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B132IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B232IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVEL-A		■ 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
Universal Lighting Tech.	B232I347HP-A	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B432I347HP	■ Certified	■ Certified			■ Certified	_ coronica	■ Certified	■ Certified	■ Certified	_ coramea	= certified
General Electric	GE-132-MV-N	■ Certified	= certified			= certified		= certifica	= certified	= certified		■ Certified
General Electric	GE-232-MV-N	■ Certified	■ 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	■ Certified	■ Certified
General Electric	GE-232-MV-N-DIY	■ 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	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-N/ULTRA	- cc.tined	Continua	■ Certified	■ Certified	■ Certified	co. ccu	■ Certified	Continue	Coronica	- CC. CICG	■ Certified
General Electric	GE432MAX-N/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	Inadvisable	Inadvisable	Inadvisable	■ Certified
General Electric	GE232MAX-L/ULTRA	■ Certified	- certified	_ certified	_ certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-L/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432MAX-L/ULTRA	= certified	- certified	■ Certified	■ Certified	■ Certified	Inadvisable	Inadvisable	= certified	= certified	= certified	■ Certified
General Electric	GE132MAX-H/ULTRA	■ Certified		= certified	- certified	- certified	madvisable	madvisable	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE232MAX-H/ULTRA	= certified	Inadvisable			■ Certified	■ Certified	■ Certified	_ certified	_ certified	■ Certified	■ Certified
OCHEIGI LIECUIC	GE332MAX-H/ULTRA		mauvisable			= certified	- Certified	- Certified			- Certified	= certified

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T8 Instant-Sta	art	473926, 473934 473942, 473958	541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	542100, 545616 544502, 544510 544486, 544494	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, 46938; 469395, 46940 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
Fulham Co., Inc	WHSG3-UNV-T8-HB	Certified	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	Certified
Fulham Co., Inc	WH43-UNV-L	Certified	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	■ Certified	
Universal Lighting Tech.	B232IUNVHP-N	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVHP-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B432IUNVHP-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B132IUNVHE-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B232IUNVHE-A	■ Certified	■ 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	■ Certified	
Universal Lighting Tech.	B232IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.	B332IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	= certified
Universal Lighting Tech.	B432IUNVEL-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B232IUNVHEH-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B332IUNVHEH-A	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Universal Lighting Tech.	B432I277HEH	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
	B232I347HP-A	- Certified	■ Certified	■ Certified			- Certified	■ Certified	- Certified	■ Certified	■ Certified	■ Certified
Universal Lighting Tech.		= C+:E1			■ Certified	■ Certified						■ Certilled
Universal Lighting Tech.	B432I347HP	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	= C+:EI	■ Certified	= C	■ Certified	■ Certified	
General Electric	GE-132-MV-N	■ Certified	■ Certified	■ Certified	■ Certified	- 6	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE-232-MV-N	■ Certified	■ 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	■ Certified	
General Electric	GE-232-MV-N-DIY	■ Certified	■ 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	■ Certified	
General Electric	GE-432-MV-N-DIY	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE232MAX-N/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	Inadvisable	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE332MAX-N/ULTRA	■ Certified	Inadvisable	Inadvisable	Inadvisable		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE432MAX-N/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified				■ Certified	■ Certified	
General Electric	GE232MAX-L/ULTRA	■ Certified	■ 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	■ Certified	Inadvisable	Inadvisable	Inadvisable		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
General Electric	GE132MAX-H/ULTRA	■ Certified	■ Certified	■ Certified	■ Certified					■ Certified	■ Certified	
General Electric	GE232MAX-H/ULTRA	■ Certified				Inadvisable	Inadvisable	Inadvisable	Inadvisable	Inadvisable	■ Certified	■ Certified
General Electric	GE332MAX-H/ULTRA	■ Certified	■ 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.

		11.5W 2100m (4ft. Glass)	16W 1800 lm (4 ft. Glass)	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.)
T8 Instant-St UL Type A ballasts	art	580266, 580274	580233	576777, 576785, 576793	576801, 576819, 576827	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866		565580, 565598 565606, 565614		468280, 468298 468694, 469569	
Manufacturer	Ballast Model			Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
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
General Electric	GE232-120RES-DIY	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
General Electric	GE432-120RES-DIY	■ 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
Osram Sylvania	QTP 2x32T8/UNV ISN-SC	■ Certified	■ 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	■ Certified
Osram Sylvania	QTP 4x32T8/UNV ISN-SC	■ 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
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	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISN-SC	■ Certified	■ 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	■ Certified
Osram Sylvania	QHE 4X32T8/347 ISN-SC	■ Certified	■ 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	■ Certified
Osram Sylvania	QHE 3x32T8/UNV ISL-SC	■ Certified	■ 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	■ 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	■ Certified
Osram Sylvania	OHE 4x32T8/UNV ISH	■ 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
Osram Sylvania	QHE 2x32T8/UNV ISH HT SC	■ 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
Osram Sylvania	QHE 1x32T8/UNV ISN-SC-1	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	OHE 2x32T8/UNV ISN-SC-1	■ 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
Osram Sylvania	QHE 4x32T8/UNV ISN-SC-1	■ Certified	■ 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	■ Certified
Osram Sylvania	OHE 4x32T8/UNV ISL-SC-1	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Ultrasave	UT232347	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Ultrasave	UT432347	22.1.100				■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL232AIS/UV/HE/W					■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL332AIS/UV/HE/W	■ 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.

		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)	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
T8 Instant-S	tart	473926, 473934 473942, 473958	541986, 541994 553214, 553222 553230, 553248	530469, 530477 530485, 530493	470096, 470104 470112, 470120	544502, 544510 544486, 544494	472894, 472902 472910, 472928 472936, 472944 472968, 472976	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, 46938; 469395, 46940 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	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	■ 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	■ 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	■ 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	
Osram Sylvania	QHE 1x32T8/UNV ISN-SC	■ 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	■ 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	■ Certified	
Osram Sylvania	QHE 2x32T8/UNV ISL-SC	■ Certified	■ 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	= 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	■ Certified	
•	-	■ Certified					- Certified		- Certified	■ Certified	■ Certified	■ Coutified
Osram Sylvania	QHE 2x32T8/UNV ISH-SC		■ Certified	■ Certified	■ Certified	= C+:E1	= C+:EI	■ Certified	= C			■ 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	■ 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	■ 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	■ Certified	Inadvisable	■ 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	■ 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	■ Certified
Ultrasave	UT432347						■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
Hatch	HL232AIS/UV/HE/W	■ Certified	■ Certified	■ Certified				■ Certified		■ Certified	■ Certified	■ Certified
Hatch	HL332AIS/UV/HE/W	■ Certified	■ Certified	■ Certified		■ Certified		■ Certified		■ Certified	■ Certified	

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T8 Instant-S	Start	580266, 580274	580233	576777, 576785, 576793	576801, 576819, 576827	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866		565580, 565598 565606, 565614		468280, 468298 468694, 469569 469577, 469585	468306, 468314 468322, 468330 469061, 469619 469627, 469635 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
Hatch	HL232BIS/UV/HE/W	■ Certified	■ Certified			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL432BIS/UV/HE/W	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Hatch	HL232AIS/34/HE/W		■ Certified			■ 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	■ Certified
Accupro	AP-232IP-UNV-M	■ 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	■ Certified	■ Certified	■ Certified	■ Certified
Howard Industries	EP4/32IS/MV/MC/HE	■ Certified	■ 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	■ Certified
Fusion	FB432MVE-N	■ 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
Keystone	KTEB-232RIS-1-TP-SL	■ Certified	■ 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	■ 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	■ Certified	■ Certified
Keystone	KTEB-432RIS-1-TP-SL	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified				
Keystone	KTEB-432-UV-IS-N-P	■ 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
ESPEN	VE232MVHIPE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPHE	■ Certified	■ Certified			■ Certified		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPLE	■ Certified	■ Certified	■ 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				
ESPEN	VE432MVHIPH	■ Certified	■ 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	■ Certified

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

		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)	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
T8 Instant-S	Start	473926, 473934 473942, 473958		530469, 530477 530485, 530493		542100, 545616 544502, 544510					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
Hatch	HL232BIS/UV/HE/W	■ Certified	■ Certified	■ Certified		■ Certified		■ Certified		■ Certified	■ Certified	■ Certified
Hatch	HL432BIS/UV/HE/W	■ Certified	■ Certified	■ Certified		■ Certified		■ Certified		■ Certified		
Hatch	HL232AIS/34/HE/W					■ Certified				■ Certified	■ Certified	■ Certified
Hatch	HL432AIS/34/HE/W	■ Certified	■ Certified	■ Certified				■ Certified		■ Certified	■ Certified	
Accupro	AK-RC-232IP-UNV	■ Certified	■ 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	■ Certified
Howard Industries	EP2/32IS/MV/MC/HE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Howard Industries	EP4/32IS/MV/MC	■ Certified				■ 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	■ Certified
Fusion	FB432MVE-N	■ Certified	■ 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	■ Certified
Keystone	KTEB-232RIS-1-TP-SL	■ Certified	■ 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	■ 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	■ 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			■ 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	■ Certified	
ESPEN	VE232120HIP	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
ESPEN	VE232MVHIPHE	■ Certified	■ Certified	■ Certified	■ Certified	■ 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	■ Certified	■ Certified	
ESPEN	VE332MVHIPHE	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
ESPEN	VE432120MIP	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	
ESPEN	VE432MVHIPE		■ Certified	■ Certified	■ Certified	■ Certified	■ Certified			■ Certified	■ Certified	
ESPEN	VE432MVHIPH	■ Certified				■ 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	■ Certified	

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^{2.} Typical application for U-Bent lamps is with 2-lamp 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.)
T8 Programm UL Type A fixed outp		576777, 576785 576793	576801, 576819 576827	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866	469320, 469338 469346, 469353 469452, 469478 469460	565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966	468306, 468314 468322, 468330 469061, 469619 469627, 469635 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
Advance	IOP-1PSP32-N										Certified
Advance	IOP-2PSP32-N									Certified	Certified
Advance	IOP-3PSP32-SC			Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOP-4PSP32-SC			Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOP-1PSP32-LW-N										Certified
Advance	IOP-2PSP32-LW-N									Certified	Certified
Advance	IOP-3PSP32-LW-SC			Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IOP-4PSP32-LW-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Advance	HOP-2PSP32-HL-L									Certified	Certified
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-332MVPS-N			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ 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									- c .:c :	■ Certified
Osram Sylvania	QHE 3X32T8/UNV PSX-SC									■ Certified	■ Certified
Osram Sylvania	QHE 4X32T8/UNV PSX-SC									■ Certified	■ Certified
Osram Sylvania	QHE 1X32T8/UNV PSN-MC									■ Certified	■ Certified

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^{2.} Typical application for U-Bent lamps is with 2-lamp 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
T8 Programm UL Type A fixed out		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
Advance	IOP-1PSP32-N						Certified	
Advance	IOP-2PSP32-N						Certified	
Advance	IOP-3PSP32-SC	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOP-4PSP32-SC	Certified	Certified	Certified	Certified	Certified	Certified	
Advance	IOP-1PSP32-LW-N						Certified	
Advance	IOP-2PSP32-LW-N							
Advance	IOP-3PSP32-LW-SC	Certified	Certified	Certified	Certified	Certified		
Advance	IOP-4PSP32-LW-SC	Certified	Certified	Certified	Certified	Certified		
Advance	HOP-2PSP32-HL-L						Certified	
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	
Osram Sylvania	OHE 1X32T8/UNV PSN-MC						■ Certified	

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^{2.} Typical application for U-Bent lamps is with 2-lamp 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.)
T8 Program UL Type A fixed ou		ВАА	ВАА	469270, 469288 469296, 469304 469429, 469445		469320, 469338		472074 472002	468264, 468272 468280, 468298	468306, 468314 468322, 468330 469061, 469619	
or type A fixed ou	tput buttusts	576777, 576785 576793	576801, 576819 576827	469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866	469346, 469353 469452, 469478 469460	565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	468694, 469569 469577, 469585 469593, 473966	469627, 469635 468652, 468660 468678, 468686	473926, 473934 473942, 47395
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Osram Sylvania	QHE 2X32T8/UNV PSN-MC	■ 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
Osram Sylvania	QHE 4X32T8/UNV PSN-SC	■ 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
	'	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.)	
T8 Program Dimmable ballasts		576777, 576785 576793	576801, 576819 576827	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	539858, 539874 539882, 539866	565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	468306, 468314 468322, 468330 469061, 469619 469627, 469635 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	
Advance	IZT-2S32-SC										_
Advance	IZT-4S32										
Advance	REZ-132-SC							Certified	Certified		_
Advance	REZ-2S32-SC							Certified	Certified		
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	_
0 151			+			-					
General Electric	GE332MVPSN-V03			■ Certified	Certified	Certified	Certified	Certified	Certified	Certified	
General Electric General Electric	GE332MVPSN-V03 GE432MVPSN-V03			■ Certified ■ Certified	■ Certified ■ Certified	■ Certified ■ Certified	■ Certified ■ Certified	■ Certified ■ Certified	■ Certified ■ Certified	■ Certified ■ Certified	
											_
General Electric	GE432MVPSN-V03			■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified	

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^{2.} Typical application for U-Bent lamps is with 2-lamp 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
T8 Program	mmed-Start output ballasts	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 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	
		10 W 1800 lm (4 ft. Glass)	14 W 2100 lm (4 ft. Glass)	13W 2100 lm (U-Bent) ²				
T8 Progran Dimmable ballas	nmed-Start ts	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			
Advance	IZT-2S32-SC				Use Compatible 0	-10V dimmer		
Advance	IZT-4S32				Use Compatible 0	-10V dimmer		
Advance	REZ-132-SC				Philips Lightolier	- V1500EBUW	Lutron - MRF2-6ND-	120
Advance	REZ-2S32-SC				Philips Lightolier	- V1500EBUW	Lutron - MRF2-6ND-	120
Advance	REZ-3S32-SC				Philips Lightolier	- V1500EBUW	Lutron - MRF2-6ND-	120
General Electric	GE132MVPSN-V03	■ Certified	■ Certified	■ Certified	Use Compatible C	1-10V dimmer		
General Electric	GE232MVPSN-V03	■ Certified	■ Certified	■ Certified	Use Compatible C	1-10V dimmer		
	GE332MVPSN-V03	■ Certified	■ Certified	■ Certified	Use Compatible 0	-10V dimmer		
General Electric			= C4:61	■ Certified	Use Compatible C	-10V dimmer		
	GE432MVPSN-V03	■ Certified	■ Certified	- Certified	ose companiste o			
General Electric	GE432MVPSN-V03 GE232MVPSH-V03	■ Certified ■ Certified	■ Certified	■ Certified	Use Compatible 0			
General Electric General Electric General Electric General Electric						-10V dimmer		

^{1.} System performance • Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp and ballast manufacturer. 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.

				10.5W 1650 lm	14.5W 2200 lm	7 W 1050 lm	9 W 1200 lm	8.9 W 1600 lm	9.5 W 1600 lm	10 W 1600 lm	14 W 2100 lm	13 W 2100 lm
				(4 ft.)	(4 ft.)	(2 ft.)	(3 ft.)	(4 ft.)	(4 ft.)	(4 ft.)	(4 ft.)	(4 ft.)
				BAA	BAA					468264, 468272		
	Emergency ballasts (contact the emergency ballast manufacturer for wiring diagrams)			576777, 576785 576793	576801, 576819 576827	469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	469320, 469338 469346, 469353 469452, 469478 469460, 539858 539874, 539882 539866	565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	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
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
Bodine	(new) B50 (12 NC: 913702	2456401)	1			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Bodine	B50CT		1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Bodine	PTB15D		1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Bodine	PEL12		1			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Bodine	LP600		1			Certified	Certified	Certified	Certified	Certified	Certified	Certified
Bodine	LP600STU		1			Inadvisable	Inadvisable	Certified	Certified	Certified	Certified	Certified
Philips Chloride	DEB-6LP		1			Certified	Certified	Certified	Certified	Certified	Certified	Certified
lota Engineering			1 or 2			Certified	Certified	Certified	Certified	Certified	Certified	Certified
lota Engineering			1 or 2			Certified	Certified	• Certified	Certified	Certified	Certified	• Certified
lota Engineering			2			• Certified	• Certified	• Certified	• Certified	• Certified	• Certified	• Certified
lota Engineering			1 or 2			• Certified	• Certified	• Certified	• Certified	• Certified	• Certified	• Certified
lota Engineering			1 or 2			Certified	• Certified	• Certified	• Certified	Certified	• Certified	• Certified
Fulham Co., Inc	FH7-UNV-500L		1			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		I			Certified	Certified	Certified	Certified	Certified	Certified	Certified
		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)
	ntFit drivers fied w/listed drivers		(3 ft.)									
		(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839	(3 ft.) 1 5 539858, 539866,	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862	(4 ft.) 565580, 565598	(4 ft.) 473974, 473982 473990, 474007	468264, 468272 468280, 468298 468694, 469569 469577, 469585	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660	(4 ft.) 473926, 473934	(4 ft. Glass) 541986, 541994 553214, 553222	(4 ft. Glass) 530469, 530477	(4 ft. Glass) 470096, 470104
UL/CSA classi	fied w/listed drivers	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	(3 ft.) 5 5 539858, 539866, 539874, 539882	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888	(4 ft.) 565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686	473926, 473934 473942, 473958	541986, 541994 553214, 553222 553230, 553248	(4 ft. Glass) 530469, 530477 530485, 530493	(4 ft. Glass) 470096, 470104 470112, 470120
UL/CSA classi	Fied w/listed drivers Ballast Model	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847	(3 ft.) 5 5 539858, 539866, 539874, 539882	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888	(4 ft.) 565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686	(4 ft.) 473926, 473934 473942, 473958 Performance ¹	541986, 541994 553214, 553222 553230, 553248	(4 ft. Glass) 530469, 530477 530485, 530493	(4 ft. Glass) 470096, 470104 470112, 470120
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847 Performance ¹	(3 ft.) 5 5 539858, 539866, 539874, 539882 Performance ¹	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888	(4 ft.) 565580, 565598 565606, 565614	473974, 473982 473990, 474007 540807	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686	(4 ft.) 473926, 473934 473942, 473958 Performance ¹	541986, 541994 553214, 553222 553230, 553248	(4 ft. Glass) 530469, 530477 530485, 530493	(4 ft. Glass) 470096, 470104 470112, 470120
Manufacturer Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance ¹	565580, 565598 565606, 565614 Performance ¹	473974, 473982 473990, 474007 540807 Performance ¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance ¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹	473926, 473934 473942, 473958 Performance ¹ • Certified	(4 ft. Glass) 541986, 541994 553214, 553222 553230, 553248 Performance ¹	(4 ft. Glass) 530469, 530477 530485, 530493 Performance ¹	470096, 470104 470112, 470120 Performance ¹
Manufacturer Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance ¹	565580, 565598 565606, 565614 Performance ¹	473974, 473982 473990, 474007 540807 Performance ¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance ¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹	473926, 473934 473942, 473958 Performance ¹ • Certified	(4 ft. Glass) 541986, 541994 553214, 553222 553230, 553248 Performance ¹	(4 ft. Glass) 530469, 530477 530485, 530493 Performance ¹	470096, 470104 470112, 470120 Performance ¹
Manufacturer Advance Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847 Performance¹ • Certified • Certified	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance ¹	565580, 565598 565606, 565614 Performance ¹	473974, 473982 473990, 474007 540807 Performance ¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance ¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹	473926, 473934 473942, 473958 Performance ¹ • Certified	(4 ft. Glass) 541986, 541994 553214, 553222 553230, 553248 Performance ¹	(4 ft. Glass) 530469, 530477 530485, 530493 Performance ¹	470096, 470104 470112, 470120 Performance ¹
Manufacturer Advance Advance Advance Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P13-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance ¹ • Certified	565580, 565598 565606, 565614 Performance ¹ • Certified	473974, 473982 473990, 474007 540807 Performance ¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469573, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹ • Certified	473926, 473934 473942, 473958 Performance¹	(4 ft. Glass) 541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified	530469, 530477 530485, 530493 Performance ¹ • Certified	470096, 470104 470112, 470120 Performance ¹ • Certified
Manufacturer Advance Advance Advance Advance Advance Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance ¹ • Certified	565580, 565598 565606, 565614 Performance ¹ • Certified	473974, 473982 473990, 474007 540807 Performance ¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469573, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹	473926, 473934 473942, 473958 Performance¹ • Certified • Certified • Certified	(4 ft. Glass) 541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified	530469, 530477 530485, 530493 Performance ¹ • Certified	470096, 470104 470112, 470120 Performance ¹ • Certified
Manufacturer Advance Advance Advance Advance Advance Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance ¹ • Certified	565580, 565598 565606, 565614 Performance ¹ • Certified	473974, 473982 473990, 474007 540807 Performance ¹ • Certified • Certified	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469573, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹	473926, 473934 473942, 473958 Performance¹ • Certified • Certified • Certified	(4 ft. Glass) 541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified	530469, 530477 530485, 530493 Performance ¹ • Certified	470096, 470104 470112, 470120 Performance ¹ • Certified
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P13-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469445 469437, 541839 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified • Certified • Certified • Certified • Certified	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance¹ • Certified • Certified	565580, 565598 565606, 565614 Performance ¹ • Certified • Certified	473974, 473982 473990, 474007 540807 Performance ¹ • Certified • Certified	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance ¹ • Certified • Certified	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹ • Certified • Certified	473926, 473934 473942, 473958 Performance¹ • Certified • Certified • Certified • Certified • Certified	(4 ft. Glass) 541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified • Certified	530469, 530477 530485, 530493 Performance¹ • Certified • Certified	470096, 470104 470112, 470120 Performance¹ • Certified • Certified
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P15-TLED-N ICN-4P15-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified	565580, 565598 565606, 565614 Performance¹ • Certified • Certified 3-lamp only (N-1)	473974, 473982 473990, 474007 540807 Performance¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance ¹ • Certified • Certified	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹ • Certified • Certified	473926, 473934 473942, 473958 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified	541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified • Certified • Certified	530469,530477 530485,530493 Performance¹ • Certified • Certified	470096, 470104 470112, 470120 Performance¹ • Certified • Certified
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P13-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-N ICN-2P16-TLED-N ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N	(2 ft.) 469270, 469288 469296, 469304 469429, 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified	565580, 565598 565606, 565614 Performance¹	473974, 473982 473990, 474007 540807 Performance¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 Performance¹ • Certified • Certified • Certified • Certified	473926, 473934 473942, 473958 Performance¹ • Certified	541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified	530469,530477 530485,530493 Performance¹ • Certified • Certified • Certified • Certified	470096, 470104 470112, 470120 Performance¹ • Certified
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-H ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N	(2 ft.) 469270, 469288 469296, 469300 469429, 469429, 469437, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified	565580, 565598 565606, 565614 Performance¹ • Certified • Certified 3-lamp only (N-1) • Certified • Certified • Certified • Certified • Certified • Certified	473974, 473982 473990, 474007 540807 Performance¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 Performance¹ • Certified • Certified • Certified • Certified • Certified	473926, 473934 473942, 473958 Performance¹ • Certified	541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified	530469,530477 530485,530493 Performance¹ • Certified • Certified • Certified • Certified • Certified	470096, 470104 470112, 470120 Performance¹ • Certified
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-N ICN-2P16-TLED-H ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N	(2 ft.) 469270, 469288 469296, 469300 469429, 469429, 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified	565580, 565598 565606, 565614 Performance¹ • Certified	473974, 473982 473990, 474007 540807 Performance¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 Performance¹ • Certified • Certified • Certified • Certified • Certified	473926, 473934 473942, 473958 Performance¹ • Certified	541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified	530469,530477 530485,530493 Performance¹ • Certified • Certified • Certified • Certified • Certified	470096, 470104 470112, 470120 Performance¹ • Certified
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-3P16-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P13-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-HL-N ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-N ICN-3P16-TLED-N IZT-3P15-TLED-N IZT-3P15-TLED-N	(2 ft.) 469270, 469288 469296, 469304 469429, 4694429, 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified	565580, 565598 565606, 565614 Performance¹ • Certified • Certified	473974, 473982 473990, 474007 540807 Performance¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 468678, 468686 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified • Certified	473926, 473934 473942, 473958 Performance¹	541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified • Certified	530469, 530477 530485, 530493 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified • Certified	470096, 470104 470112, 470120 Performance¹ • Certified • Certified
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-N ICN-2P16-TLED-H ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N ICN-3P16-TLED-N	(2 ft.) 469270, 469288 469296, 469300 469429, 469429, 469437, 541813 541821, 541839 541847 Performance¹	(3 ft.) 539858, 539866, 539874, 539882 Performance¹ • Certified	(3 ft.) 469379, 469387 469395, 469403 469411, 470625 541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified	565580, 565598 565606, 565614 Performance¹ • Certified	473974, 473982 473990, 474007 540807 Performance¹	468264, 468272 468280, 468298 468694, 469569 469577, 469585 469593, 473966 Performance¹	(4 ft.) 468306, 468314 468322, 468330 469061, 469619 469627, 469635 468652, 468660 Performance¹ • Certified • Certified • Certified • Certified • Certified	473926, 473934 473942, 473958 Performance¹ • Certified	541986, 541994 553214, 553222 553230, 553248 Performance¹ • Certified	530469,530477 530485,530493 Performance¹ • Certified • Certified • Certified • Certified • Certified	470096, 470104 470112, 470120 Performance¹ • Certified

^{1.} System performance • Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp and ballast manufacturer. 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.

T5 HE

476499, 476507

476515, 476523

Performance¹

Certified

35W 4200 lm

(8ft Plastic)

467126, 467134 469239, 469247 533000, 533018

30W 4200 lm

(8ft Glass)

					14 W 2100 lm (4 ft. Glass)	10 W 1800 lm (4 ft. Glass)	12 W 1800 lm (4 ft. Glass)
	cy ballasts nergency ballast man	ufacture	r for wi	ring diagrams)	170000 170101	541986, 541994	
					470096, 470104 470112, 470120	553214, 553222 553230, 553248	530469, 530477 530485, 530493
Manufacturer	Ballast Model		# of la	mps in emergency	Performance ¹	Performance ¹	Performance ¹
Bodine	(new) B50 (12 NC: 913702	456401)	1		Certified	Certified	Certified
Bodine	B50CT			1	Certified	Certified	Certified
Philips	PTB15D			1	Certified	Certified	Certified
Bodine	PEL12			1	Certified	Certified	Certified
Bodine	LP600			1	Certified	Certified	Certified
Bodine	LP600STU			1	Certified	Certified	Certified
Philips Chloride	DEB-6LP			1	Certified	Certified	Certified
lota Engineering	I-320			1 or 2	Certified	Certified	Certified
Iota Engineering	I-1605			1 or 2	Certified	Certified	Certified
Iota Engineering	I-162			2	Certified	Certified	Certified
lota Engineering	ISL-54			1 or 2	Certified	Certified	Certified
Iota Engineering	ISL-540			1 or 2	Certified	Certified	Certified
Fulham Co., Inc	FH7-UNV-500L			1	Certified	Certified	Certified
Fulham Co., Inc	FH11-UNV-750L-xx		1		Certified	Certified	Certified
Fulham Co., Inc	FH12-UNV-1400K-xx			1	Certified	Certified	Certified
		15.5 W 2	500 lm	16.5 W 2500 lm	13W 2100 lm	13W 2100 lm	
	ntFit drivers	(4 ft.) 545178, 5	533372	(4 ft.) 463133, 463141	(U-Bent) ² 469379, 469387 469395, 469403	(U-Bent) ² 541854, 541862	
JL/CSA classif	fied w/listed drivers	(4 ft.) 545178, 5 545194, 5	533372 545200	(4 ft.) 463133, 463141 463158, 468892	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625	(U-Bent) ² 541854, 541862 541870, 541888	
JL/CSA classif	fied w/listed drivers Ballast Model	(4 ft.) 545178, 5	533372 545200	(4 ft.) 463133, 463141	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹	
JL/CSA classif Manufacturer Advance	Ballast Model ICN-2P13-TLED-N	(4 ft.) 545178, 5 545194, 9 Performa	533372 545200 ance ¹	(4 ft.) 463133, 463141 463158, 468892	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹ • Certified	
JL/CSA classif Manufacturer Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N	(4 ft.) 545178, 5 545194, 5 Performa	533372 545200 ance ¹	463133, 463141 463158, 468892 Performance ¹	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹	
Manufacturer Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N	(4 ft.) 545178, 5 545194, 9 Performa	533372 545200 ance ¹	(4 ft.) 463133, 463141 463158, 468892	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹ • Certified	
Manufacturer Advance Advance Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N	545178, 5 545194, 1 Performa Certifie	533372 545200 ance ¹	463133, 463141 463158, 468892 Performance ¹	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹ • Certified	
Manufacturer Advance Advance Advance Advance Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P13-TLED-N	545178,5 545194, Certifice Certifice Certifice	533372 545200 ance ¹ ed	463133, 463141 463158, 468892 Performance ¹ • Certified	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹ • Certified	
Manufacturer Advance Advance Advance Advance Advance Advance Advance Advance Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N	545178, 5 545194, 1 Performa Certifie	533372 545200 ance ¹ ed	463133, 463141 463158, 468892 Performance ¹	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹ • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N	545178, 5 545194, Certifice Certifice Certifice	533372 545200 ance ¹ ed ed	463133, 463141 463158, 468892 Performance ¹ • Certified	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹ • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P13-TLED-N	545178, 5 545194, Certifice Certifice Certifice Certifice Certifice	533372 545200 ance ¹ ed ed	463133, 463141 463158, 468892 Performance ¹ • Certified • Certified	(U-Bent) ² 469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified	(U-Bent) ² 541854, 541862 541870, 541888 Performance ¹ • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P13-TLED-N ICN-4P15-TLED-N ICN-4P15-TLED-N	545178, 5 545194, 1 Performa Certific Certific Certific Certific Certific	533372 545200 ance ¹ ed ed ed	463133, 463141 463158, 468892 Performance¹ • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified • Certified	541854, 541862 541870, 541888 Performance ¹ • Certified • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-4P16-TLED-N	545178, 5 545194, 1 Performa Certific Certific Certific Certific Certific Certific	533372 545200 ance ¹ ed ed ed ed	463133, 463141 463158, 468892 Performance¹ • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance¹ • Certified • Certified	541854, 541862 541870, 541888 Performance¹ • Certified • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P16-TLED-N ICN-4P13-TLED-N ICN-4P13-TLED-N ICN-4P16-TLED-N ICN-4P16-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-N ICN-2P16-TLED-	545178, 5 545194, 1 Performa Certific Certific Certific Certific Certific Certific Certific	533372 545200 ance ¹ ed ed ed ed	463133, 463141 463158, 468892 Performance¹ • Certified • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance ¹ • Certified • Certified	541854, 541862 541870, 541888 Performance ¹ • Certified • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-2P16-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P13-TLED-N ICN-4P13-TLED-N ICN-4P16-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-N ICN-2P16-TLED-H	• Certifice	ed e	463133, 463141 463158, 468892 Performance¹ • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance¹ • Certified • Certified	541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-3P15-TLED-N ICN-3P13-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P15-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-N ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N	545178, 5 545194, 1 Performa Certific	ed e	463133, 463141 463158, 468892 Performance¹ • Certified • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance¹ • Certified • Certified	541854, 541862 541870, 541888 Performance¹ • Certified • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P15-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-H ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-N ICN-3P15-TLED-N IZT-3P15-TLED-N	Certifice	ed e	463133, 463141 463158, 468892 Performance¹ • Certified • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance¹ • Certified • Certified	541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P15-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-N ICN-4P16-TLED-N ICN-4P16-TLED-N ICN-4P16-TLED-N IZT-3P15-TLED-N IZT-3P15-TLED-N	Certifice	ed e	463133, 463141 463158, 468892 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance¹ • Certified • Certified	541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified	
Manufacturer Advance	Ballast Model ICN-2P13-TLED-N ICN-2P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-3P15-TLED-N ICN-4P15-TLED-N ICN-4P15-TLED-N ICN-4P16-TLED-N ICN-2P16-TLED-H ICN-2P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-4P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-HL-N ICN-3P16-TLED-N ICN-3P15-TLED-N IZT-3P15-TLED-N	Certifice	ed e	463133, 463141 463158, 468892 Performance¹ • Certified • Certified • Certified • Certified • Certified	469379, 469387 469395, 469403 469411, 470625 Performance¹ • Certified • Certified	541854, 541862 541870, 541888 Performance¹ • Certified • Certified • Certified • Certified	

^{1.} System performance • Certified means Philips InstantFit LED T8 lamps and ballasts have been evaluated by the lamp and ballast manufacturer. 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.

Non-T8 InstantFit drivers

UL/CSA classified with the listed drivers

17W 2100 lm

456566, 456574 472878, 472886 472894, 472902

472910, 472928 472936, 472944

472968, 472976

479782, 479790

Performance¹

Certified

(4 ft. Glass)

16.5 W 2500 lm

463133, 463141

463158, 468892

Performance¹

Certified

(4 ft.)

13W 2100 lm

469379, 469387 469395, 469403

469411, 470625 541854, 541862

541870, 541888

Performance¹

Certified

T5 HO

467126, 467134

467142, 467159

Performance¹

Certified

(4 ft.)

T5HO 3500 lm

(U-Bent)²

		467142, 467159	469254, 469262	533026, 533034
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹
Advance	ICN-2S24-TLED-90C-N	Certified		
Advance	ICN-4S24-TLED-90C-2LS-G	Certified		
Advance	ICN-2P35-TLED-N		Certified	Certified

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

PL-L ball	asts	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
Advance	ICN-1TTP40-SC	Certified	Certified
Advance	ICN-2TTP40-SC	● Certified*	● Certified*
Advance	ICN-3TTP40-SC	Certified	
Advance	ICN-2S24-N		Certified
Advance	ICN-2S24-T		Certified
Advance	ICN-2S39-N		Certified
Advance	ICN-2S39-T		Certified
Advance	ICF-2S42-M2-BS		Certified
Advance	ICF-2S42-M2-LD		Certified
Advance	ICF-2S42-90C-M2-BS		Certified
Advance	ICF-2S42-90C-M2-LD		Certified
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.

PL-C/T4-	pin ballasts	Vertical Lamp 10.5W	Horizontal Lamp 8.5W	Vertical Lamp 12W	Horizontal Lamp 12W	Vertical Lamp 5.5W	Horizontal Lamp 5.5W
UL/CSA classified with listed drivers		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					
Advance	ICF-2S13-M1-BS	Certified	Certified	Certified	Certified	Certified	Certified
Advance	ICF-2S13-H1-LD	Certified	Certified	Certified	Certified	Certified	Certified
Advance	ICF-2S13-M1-BS-QS	Certified	Certified	Certified	Certified	Certified	Certified
Advance	ICF-2S26-H1-LD	Certified	• Certified*	Certified	• Certified*		
Advance	ICF-2S26-M1-BS	Certified	Certified	Certified	Certified		
Advance	ICF-2S26-M1-BS-QS	Certified	Certified	Certified	Certified		
Advance	ICF-2S18-H1-LD	Certified	Certified	Certified	Certified		
Advance	ICF-2S18-M1-BS	Certified	Certified	Certified	Certified		
Advance	ICF-2S18-M1-BS-QS	Certified	Certified	Certified	Certified		
Advance	ICF-2S42-M2-LD	Certified	Certified	• Certified**	• Certified**		
Advance	ICF-2S42-M2-BS	Certified	Certified	● Certified**	● Certified**		
Advance	ICF-2S42-90C-M2-BS	Certified	Certified	● Certified**	• Certified**		
Advance	ICF-2S42-90C-M2-LD	Certified	Certified	• Certified**	• Certified**		
Advance	IZT-2S26-M5-LD	Certified	Certified	Certified	Certified	Certified	Certified
Advance	REB-113-M6-EL	Certified	Certified	Certified	Certified		
Advance	REB-113-M6-BLS					Certified	Certified
Advance	REB-118-M6-BLS	Certified	Certified	Certified	Certified		
Advance	REB-2S18-M6-EL	Certified	Certified	Certified	Certified		
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 Ballas	ts 2-pin ballasts	Horizontal Lamp PLS 5W	Vertical Lamp PLC 5W	Horizontal Lamp PLC 5W
(UL/CSA classified with	529511, 529560 529578, 529586	532358, 532366 532374, 532382	532309, 532317 532333, 532341	
Manufacturer	Ballast Model	Performance ¹	Performance ¹	Performance ¹
Advance	VH-1B13-TP-W	Certified	Certified	Certified
Advance	H-1B13-TP-W	Certified	Certified	Certified
Advance	VLO-13-TP	Certified	Certified	Certified
Advance	H-2B13-TP-BLS	Certified	Certified	Certified
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.

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

PL-C/T4-	pin ballasts	Vertical Lamp 10.5W	Horizontal Lamp 8.5W	Vertical Lamp 12W	Horizontal Lamp 12W	Vertical Lamp 5.5W	Horizontal Lamp 5.5W		
UL/CSA classifie	d with listed drivers								
		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							
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	1	
Fulham	NPY-120-226-CFL	■ Certified	■ Certified	■ Certified	■ Certified			ĺ	
Robertson	RED1L10-120H	■ Certified	■ Certified	■ Certified	■ Certified			1	
ACE	CSD-332PBM	■ Certified	■ Certified	■ Certified	■ Certified			ĺ	
Hatch	HC226PS/UV/D	■ Certified	■ Certified	■ Certified	■ Certified			1	
Deltek	CFL226MVRSL	■ Certified	■ Certified	■ Certified	■ Certified				
Espen	VE226120MR-1							1	
Sunpark	LC 12010T					■ Certified	■ Certified		
Sunpark	SL15T	■ Certified	■ Certified	■ Certified	■ Certified			2	
Topstar Premium	BB-PL/UNH-1/2X26-1X42	■ Certified	■ Certified	■ Certified	■ Certified				
Topstar Premium	BB-PL/UVH-1/2X13-18	■ Certified	■ Certified	■ Certified	■ Certified			1	
Antron	16X952 CSD-113PNPF	■ Certified	■ Certified	■ Certified	■ Certified				
Standard	E528-120V/STD/EOL	■ Certified	■ Certified	■ Certified	■ Certified			1	
Radionic	RPL26-42R-M	■ Certified	■ Certified	■ Certified	■ Certified			İ	
DAMAR	23350D					■ Certified	■ Certified	1	
Emergenc	y PL-C/T 4-pi	in ballasts		Vertical Lamp 18W/26W	Horizontal Lamp 18W/26W	Vertical Lamp 32W	Horizontal Lamp 32W	Vertical Lamp 32W	Horizontal Lam
UL/CSA classifie	d with listed drivers			458406, 458414 458422, 458430	458364, 458372 458380, 458398	476101, 476119 476127, 476135	476069, 476077 476085, 476093	476101, 476119 476127, 476135	476069, 47607 476085, 47609
Manufacturer	Ballast Model	# of lamps in eme	ergency	Performance ¹	Performance ¹				
lota	I-42	1 or 2			Certified		Certified		Certified
lota	I-420	1		Certified	Certified	Certified	Certified	Certified	Certified
lota	I-420	1 or 2		Certified	Certified	Certified	Certified	Certified	Certified
lota	I-160	1		Certified		Certified		Certified	
lota	I-160	1 or 2		Certified	Certified	Certified	Certified	Certified	Certified
Fulham	FH11-UNV-750L	1 or 2		Certified	Certified	Certified	Certified	Certified	Certified
Fulham	FH12-UNV-1400L	1 or 2		Certified	Certified	Certified	Certified	Certified	Certified

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			(4 ft.)	(4 ft.)	(4 ft.) UniversalFit
T12 Electronic ballasts			473926, 473934 473942, 473958	468306, 468314 468322, 468330 469061, 469619 469627, 469635	539972, 539980 539148, 539155 539163, 542688 542696, 542704
Manufacturer	Ballast M	odel	Performance ¹	Performance ¹	Performance ¹
Advance	ICN-2S40	-N	Certified	Certified	Certified
Advance	RELB-2S4	IO-N	Certified	Certified	Certified
				20 W 2100 lm (4 ft.)	16 W 1800 lm (4 ft.)
T12 Rapid-S	Start Ma	ignetic b	oallasts	463117, 463125	UniversalFit 539972, 539980 539148, 539155 539163, 542688 542696, 542704 565572, 565564 565556
Manufacturer		Ballast Model		Performance ¹	Performance ¹
Advance		R-140-1-TP		Certified	
Advance		X-140-TP		Certified	Certified
Advance		R-2S40-1-TP		Certified	Certified
Advance		XQM-2S40-TP		Certified	Certified
Advance		V-2S40-1-TP		Certified	Certified
Advance		RQM-2S40-3-T	P	Certified	Certified
Advance		R-2S34-TP-5		Certified	Certified
Advance		V-2S34-TP		Certified	Certified
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	1.	412-L-SLH-TC-F	D	■ Certified	■ Certified
Universal Lighting Tech	1.	458-L-SLH-TC-	Р	■ Certified	■ Certified
Universal Lighting Tech	1.	540-L-TC-P		■ Certified	■ Certified
Universal Lighting Tech	1.	CAT.NO.446-L-	LH-TC-P-7	■ Certified	■ Certified
Universal Lighting Tech	1.	443-L-SLH-TC-	Р	■ Certified	■ Certified
Universal Lighting Tech	l.	446-L-SLH-TC-	Р	■ Certified	■ Certified
Osram Sylvania		MB1x40/277 RS	5-1	■ Certified	■ Certified
Osram Sylvania		MB1x40/120RS	-1	■ Certified	■ Certified
Osram Sylvania		MB2x40/120RS	5-1	■ Certified	■ Certified
Osram Sylvania		MB2x40/277RS	5-1	■ Certified	■ Certified
		E422 E 224 IG		= C+:61	= C+:6I
Industrias Sola Basics S	SADECV	E420-F-234 IC	. =1	■ Certified	■ Certified
Industrias Sola Basics S Radionic Industries Inc	· · · · · · · · · · · · · · · · · · ·	CAT.NO.ES240I		■ Certified	■ Certified

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

T5 HO ballasts 576710, 576736 467126, 467134 580225 576744 467142, 467159 Manufacturer **Ballast Model** Performance¹ Performance¹ Performance¹ Advance ICN-2S54-N Certified Certified Certified ICN-2S54-90C-N Certified Certified Advance Certified Certified Advance ICN-2S54-T Certified Certified ICN-2S54-90C-T Advance Certified Certified Certified Advance ICN-2S54-N(L) Certified Certified Certified Advance ICN-4S54-90C-2LS-G Certified Certified Certified Advance HCN-2S54-90C-WL Certified Certified Certified Advance HCN-4S54-90C-2LS-G Certified Certified Certified Certified Advance IZT-2S54-D Certified Certified IZT-154-D Advance Certified Certified Certified REZ-2S54 Advance Certified Certified Certified General Electric GE254MVPS-A ■ Certified ■ Certified ■ Certified General Electric GE254MVPS-D ■ Certified ■ Certified ■ Certified General Electric GE454MVPS90-E-S ■ Certified ■ Certified ■ Certified General Electric GE454MVPS90-F ■ Certified ■ Certified Certified General Electric GE454MVPS90-G ■ Certified ■ Certified ■ Certified General Electric GE254MVPS90-A Certified Certified ■ Certified Osram Sylvania OHE 2x54T5HO/UNV PSN ■ Certified Certified ■ Certified Osram Sylvania QHE 2x54T5HO/UNV PSN HT ■ Certified Certified ■ Certified Osram Sylvania QHE 2x54T5HO/UNV PSN(L) ■ Certified ■ Certified ■ Certified Osram Sylvania QTP 2X54T5HO/UNV PSN HT ■ Certified ■ Certified ■ Certified ■ Certified Universal Lighting Tech. B254PUNV-D ■ Certified Certified Universal Lighting Tech. B254PUNVHB-D ■ Certified ■ Certified ■ Certified Universal Lighting Tech. B454PUNV-E ■ Certified ■ Certified ■ Certified Universal Lighting Tech. B454PUNVHB-E ■ Certified Certified ■ Certified Hatch HL454HO/PS/UV/W ■ Certified ■ Certified ■ Certified Hatch HL254HO/PS/UV/W ■ Certified ■ Certified ■ Certified **ESPEN** VE254MVHRP ■ Certified ■ Certified ■ Certified **ESPEN** VE454MVHRP ■ Certified ■ Certified ■ Certified Fulham RHA-UNV-254-LT5 ■ Certified ■ Certified ■ Certified Fulham RHA-UNV-454-LT5 ■ Certified Certified ■ Certified Keystone Inc. KTEB-254HO-UV-PS-SL ■ Certified ■ Certified ■ Certified

■ Certified

■ Certified

■ Certified

■ Certified

■ Certified

■ Certified

■ Certified

■ Certified

■ Certified

KTEB-454HO-UV-TP-PS

U-2/54T5HO

2x54W LFL T5 AFP

Keystone Inc.
Sunpark

MAGG

		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)
Γ5 HE ballasts		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					
Advance	ICN-2S24-N	Certified	Certified		Certified	Certified	
Advance	ICN-2S24-T	Certified	Certified		Certified	Certified	
Advance	ICN-2S28-N	Certified	Certified	Certified	Certified	Certified	Certified
Advance	ICN-2S28-T	Certified	Certified	Certified	Certified	Certified	Certified
Advance	GCN-2S28-L	Certified	Certified	Certified	Certified	Certified	Certified
Advance	IZT-128-D	Certified	Certified	Certified			
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					
Osram Sylvania	QHE 2X28T5/UNV PSN	■ Certified*	■ Certified*	■ Certified	■ Certified*	■ Certified*	■ Certified
General Electric	GE228MVPS-MC	■ Certified*					
General Electric	GE228MVPS-MC-H	■ Certified					
Universal Lighting Tech.	B224PUNV-C	■ Certified	■ Certified		■ Certified	■ Certified	
Universal Lighting Tech.	B228PUNV-C	■ Certified					
Universal Lighting Tech.	B228PUNV-N	■ Certified					
Universal Lighting Tech.	B228PUNV85-D	■ Certified					
Universal Lighting Tech.	B239PUNV-D	■ Certified*	■ Certified*		■ Certified*	■ Certified*	
Keystone	KTEB-228HE-UV-PS	■ Certified					
Keystone	KTEB-228HE-UV-PS-SL	■ Certified					
Fulham	RHA-UNV-228-LT5	■ Certified					
Robertson	PSA228T5MV	■ Certified					

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			7W 1150 lm (2 ft.)	10W 1600lm (4 ft.)	13W 2100lm (4 ft.)	17W 2100lm (4 ft.)	13W 2100lm (U-Bent) ²
LATAM T8 ballasts		S	929001311004 929001311104	929001397404 929001397504	929001397804 929001397904	929001343503	929001311804 929001311904 929001312004 929001312104
Manufacturer	Ballast Mode	l	Performance ¹	Performance ¹	Performance ¹	Performance ¹	Performance ¹
Advance	ICN-2P32-N		Certified	Certified	Certified	Certified	Certified
Advance	RES-2P32-N		Certified	Certified	Certified	Certified	Certified
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-S0	2	■ 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/U	JNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	
Osram Sylvania	QTP 2X32T8/	UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	■ Certified
Osram Sylvania	QTP 3X32T8/I	UNV ISN-SC	■ Certified	■ Certified	■ Certified	■ Certified	
0 61 .	OTD 4\/22T0 //						
Osram Sylvania	Q1P 4X3218/	UNV ISN-SC	■ Certified	■ Certified 28W 4200lm	■ Certified 35W 4200 lm	■ Certified 30W 4200 lm	
T8 / T12 8					35W 4200 lm (8ft Plastic)	30W 4200 lm (8ft Glass)	
,				28W 4200lm	35W 4200 lm	30W 4200 lm	
,				28W 4200lm (8ft Glass)	35W 4200 lm (8ft Plastic) 469239, 469247	30W 4200 lm (8ft Glass) 533000, 533018	
Γ8 / T12 8		e ballas		28W 4200lm (8ft Glass) 580282, 580290	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034	
T8/T128		e ballas		28W 4200lm (8ft Glass) 580282, 580290 Performance ¹	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance ¹	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance ¹	
T8 / T12 8 Manufacturer Advance		e ballas Ballast Model IOP-2P59-N	ts	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance ¹ • Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ © Certified	
T8 / T12 8 Manufacturer Advance Advance		e ballas Ballast Model IOP-2P59-N ICN-2P60-N	ts	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ • Certified • Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified • Certified	
Manufacturer Advance Advance General Electric		e ballas Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/	ULTRA I/ULTRA	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified • Certified • Certified	
Manufacturer Advance Advance General Electric General Electric		Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N	ULTRA I/ULTRA 30194	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified Certified Certified Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹	
Manufacturer Advance Advance General Electric General Electric General Electric		Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N	ULTRA I/ULTRA 30194 N 74469	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified Certified Certified Certified Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified • Certified • Certified • Certified • Certified • Certified	
Manufacturer Advance Advance General Electric General Electric General Electric	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAX-G	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified Certified Certified Certified Certified Certified Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified	
Manufacturer Advance Advance General Electric General Electric General Electric General Electric General Electric	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAX-G- GE259MAXP-N	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954 MC/HE	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified Certified Certified Certified Certified Certified Certified Certified Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified	
Manufacturer Advance Advance General Electric General Electric General Electric General Electric General Electric Howard Industries	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAX-G- GE259MAXP-N GE259MAXP-N EP2/59IS/MV/	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954 MC/HE	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified	
Manufacturer Advance Advance General Electric General Electric General Electric General Electric General Electric Howard Industries Howard Industries	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAX-G- GE259MAXP-N GE259MAXP-N EP2/59IS/MV/	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954 MC/HE	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ © Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified	
Manufacturer Advance Advance General Electric General Electric General Electric General Electric Howard Industries Howard Industries Fulham	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAXP-N GE259MAXP-N EP2/59IS/MV/ E2/75IS-120M0 WH5-277-L	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954 MC/HE	28W 4200lm (8ft Glass) 580282, 580290 Performance ¹ • Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹ • Certified	
Manufacturer Advance Advance General Electric General Electric General Electric General Electric Howard Industries Howard Industries Fulham Universal Lighting	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAX-G- GE259MAXP-N EP2/59IS/MV/ E2/75IS-120MG WH5-277-L B260IUNVHP	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954 MC/HE	28W 4200lm (8ft Glass) 580282, 580290 Performance¹ • Certified • Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹	
Manufacturer Advance Advance General Electric General Electric General Electric General Electric Howard Industries Howard Industries Fulham Universal Lighting Universal Lighting	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAXP-N GE259MAXP-N EP2/59IS/MV/ E2/75IS-120M0 WH5-277-L B260IUNVHP B260I120M-A	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954 MC/HE	28W 4200lm (8ft Glass) 580282, 580290 Performance¹ • Certified • Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified	30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹	
Manufacturer Advance Advance General Electric General Electric General Electric General Electric Howard Industries Howard Industries Fulham Universal Lighting Universal Lighting Osram Sylvania	' Slimlin	Ballast Model IOP-2P59-N ICN-2P60-N GE259MAX-L/ GE259MAXP-N GE-259-MV-N GE259MAXP-N GE259MAXP-N GE259MAXP-N EP2/59IS/MV/ E2/75IS-120M0 WH5-277-L B260IUNVHP B260II20M-A OSRAM QT 2X	ULTRA I/ULTRA 30194 N 74469 I-DIY 23954 MC/HE 296/120 IS	28W 4200lm (8ft Glass) 580282, 580290 Performance¹ • Certified • Certified	35W 4200 lm (8ft Plastic) 469239, 469247 469254, 469262 Performance¹ Certified 30W 4200 lm (8ft Glass) 533000, 533018 533026, 533034 Performance¹		

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Certified

■ Certified

Certified

■ Certified

Certified

Industrias Sola Basics S A DE C V EIO-260-MC

Industrias Sola Basics S A DE C V EOI-230/32-MC

		13W 1600lm (4 ft.)	26W 3200lm (8 ft.)
LATAM F	A8 ballasts	929001273412	929001273612
Manufacturer	Ballast Model	Performance ¹	Performance ¹
Advance	ICN-2P59-N	Certified	Certified
Advance	REL-275-N	Certified	Certified
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	EI0-260-MC	■ Certified	■ Certified

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

Notes	



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