PHILIPS

Ballast Compatibility Guide

InstantFit LED Lamps

Applicable Part Numbers:

452011	453597	456590
452029	453605	456608
452037	453613	456616
452045	434860	456624
452052	434878	452664
452060	434886	452672
452078	434894	452680
452086	456897	452698
433060	456905	456632
433268	456913	456640
433078	456921	456657
433086	456566	
453589	456574	

T8 Instant–Start Ballasts

Manufacturer	Ballast Model	8.5W 1050lm (2 ft.) 452011, 452029 452037, 452045 System Certified[1]/ Certified[2]	10.5W 1200lm (3ft.) 452052, 452060 452078, 452086 System Certified[1]/ Certified[2]	14.5W 1600lm (4ft.) 433060, 433268 433078, 433086 System Certified[1]/ Certified[2]	12W 1600lm (4ft.) 453589, 453597 453605, 453613 System Certified[1]/ Certified[2]	16.5W 2100lm (4ft.) 434860, 434878, 434886, 434894, System Certified[1]/ Certified[2]	15 W 2100 lm (4 ft.) 456897, 456905 456913, 456921 System Certified[1]/ Certified[2]	17W 2100 lm (4 ft. Glass) 456566, 456574 456590, 456608 456616, 456624 System Certified[1]/ Certified[2]	16.5W 2100lm (U- Bent)[3] 452664, 452672, 452680, 452698 System Certified[1]/ Certified[2]
Philips Advance	ICN-1P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified		
Philips Advance	ICN-2P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	ICN-3P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	ICN-4P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	IOPA-1P32-N	Not Recommended	System Certified	Not Recommended	System Certified	Not Recommended	Not Recommended	Not Recommended	Not Recommended
Philips Advance	IOPA-2P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	IOPA-3P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	IOPA-4P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	IOPA-2P32-LW-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	IOPA-3P32-LW-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	IOPA-4P32-LW-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	IOPA-1P32-HL-N	System Certified	System Certified	System Certified	System Certified	System Certified		System Certified	
Philips Advance	IOPA-2P32-HL-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	IOPA-3P32-HL-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	IOPA-4P32-HL-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	GOPA-1P32-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	GOPA-2P32-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	GOPA-3P32-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	GOPA-4P32-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	GOPA-1P32-LW-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	GOPA-2P32-LW-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	GOPA-3P32-LW-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	GOPA-4P32-LW-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	
Philips Advance	RES-2P32-N	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	REB-2P32-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Advance	REB-4P32-SC	System Certified	System Certified		System Certified	System Certified	System Certified	System Certified	

See footnotes on Page 6.

T8 Instant–Start Ballasts

Manufacturer	Ballast Model	8.5W 1050lm (2 ft.) 452011, 452029 452037, 452045	10.5W 1200lm (3ft.) 452052, 452060 452078, 452086	14.5W 1600lm (4ft.) 433060, 433268 433078, 433086	12W 1600lm (4ft.) 453589, 453597 453605, 453613	16.5W 2100lm (4ft.) 434860, 434878, 434886, 434894,	15 W 2100 lm (4 ft.) 456897, 456905 456913, 456921	17W 2100 lm (4 ft. Glass) 456566, 456574 456590, 456608 456616, 456624	16.5W 2100lm (U- Bent)[3] 452664, 452672, 452680, 452698
		System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]
Fulham Co. Inc	WH3-120-L	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified
Fulham Co. Inc	WH3-277-L	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified
Fulham Co. Inc	WH5-120-L	System Certified	System Certified	System Certified	System Certified	System Certified			
Fulham Co. Inc	WH5-277-L	System Certified	System Certified	System Certified	System Certified	System Certified			
Fulham Co. Inc	WHSG1-UNV-T8-IS	Not Recommended	System Certified	System Certified	System Certified	System Certified			
Fulham Co. Inc	WHSG2-UNV-T8-IS	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified
Fulham Co. Inc	WHSG2-UNV-T8-LB		System Certified	System Certified	System Certified	System Certified			System Certified
Fulham Co. Inc	WHSG3-UNV-T8-IS	Not Recommended	Not Recommended	System Certified	System Certified	System Certified			
Fulham Co. Inc	WHSG3-UNV-T8-LB	Not Recommended	Not Recommended	System Certified	System Certified	System Certified			
Fulham Co. Inc	WHSG3-UNV-T8-HB	Not Recommended	Not Recommended	System Certified	System Certified	System Certified			
Fulham Co. Inc	WH42-UNV-L	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified
Fulham Co. Inc	WH43-UNV-L	Not Recommended	Not Recommended	System Certified	System Certified	System Certified			System Certified
Fulham Co. Inc	WH44-UNV-L	Not Recommended	Not Recommended	System Certified	System Certified	System Certified			System Certified
Fulham Co.Inc / Leviton	Zipline (361RC-Z03)	Not Recommended	Not Recommended	System Certified	System Certified	System Certified			
General Electric	GE-132-MV-N		Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE-232-MV-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
General Electric	GE-332-MV-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE-232-MV-N-DIY	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
General Electric	GE-332-MV-N-DIY	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE-432-MV-N-DIY	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE232MAX-N/ULTRA	Certified	Certified		Certified	Certified	Certified	Not Recommended	Certified
General Electric	GE432MAX-N/ULTRA	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Certified	Certified	
General Electric	GE232MAX-L/ULTRA	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
General Electric	GE332MAX-L/ULTRA	Not Recommended	Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE132MAX-H/ULTRA		Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE232MAX-H/ULTRA	Certified	Certified	Certified	Certified	Certified	Certified	Not Recommended	Certified
General Electric	GE332MAX-H/ULTRA	Not Recommended	Not Recommended	Certified	Not Recommended	Certified	Certified	Certified	
General Electric	GE432MAX-H/ULTRA	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE232MAX347-N	Certified	Certified	Certified	Certified	Certified			Certified
General Electric	GE432MAX347-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
General Electric	GE232-120RES-DIY	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
General Electric	GE432-120RES-DIY	Certified	Certified	Certified	Certified	Certified	Certified	Certified	

See footnotes on Page 6.

T8 Instant–Start Ballasts

Manufacturer	Ballast Model	8.5W 1050lm (2 ft.) 452011, 452029 452037, 452045	10.5W 1200lm (3ft.) 452052, 452060 452078, 452086	14.5W 1600lm (4ft.) 433060, 433268 433078, 433086	12W 1600lm (4ft.) 453589, 453597 453605, 453613	16.5W 2100lm (4ft.) 434860, 434878 434886, 434894,	15 W 2100 lm (4 ft.) 456897, 456905 456913, 456921	17W 2100 lm (4 ft. Glass) 456566, 456574 456590, 456608 456616, 456624	16.5W 2100lm (U- Bent)[3] 452664, 452672 452680, 452698
		System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]
Osram Sylvania	QTP 1x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QTP 2x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Osram Sylvania	QTP 3x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QTP 4x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 1x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 2x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Osram Sylvania	QHE 3x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 4x32T8/UNV ISN-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 1x32T8/UNV ISL-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 2x32T8/UNV ISL-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Osram Sylvania	QHE 3x32T8/UNV ISL-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 4x32T8/UNV ISL-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 1x32T8/UNV ISH-SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 3x32T8/UNV ISH-SC	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Certified	Certified	Certified	
Osram Sylvania	QHE 4x32T8/UNV ISH	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 1x32T8/UNV ISH HT SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 2x32T8/UNV ISH HT SC	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Osram Sylvania	QHE 1x32T8/UNV ISN-SC-1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 2x32T8/UNV ISN-SC-1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Osram Sylvania	QHE 3x32T8/UNV ISN-SC-1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 4x32T8/UNV ISN-SC-1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Osram Sylvania	QHE 2x32T8/UNV ISL-SC-1	Certified	Certified	Certified		Certified	Certified	Certified	Certified
Osram Sylvania	QHE 4x32T8/UNV ISL-SC-1	Certified	Certified			Certified	Certified	Certified	
Ultrasave	UT232347	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Ultrasave	UT432347	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B132IUNVHP-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B232IUNVHP-N	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Universal Lighting Technologies	B332IUNVHP-A		Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B432IUNVHP-A	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B132IUNVHE-A	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B232IUNVHE-A	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
Universal Lighting Technologies	B332IUNVHE-A	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B432IUNVHE-A	Certified	Certified		Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B132IUNVEL-A	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B232IUNVEL-A	Certified	Certified	Certified	Certified	Certified	Certified		Certified
Universal Lighting Technologies	B332IUNVEL-A	Certified	Certified	Certified	Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B432IUNVEL-A	Certified	Certified		Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B232IUNVHEH-A	Certified	Certified		Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B332IUNVHEH-A	Certified	Certified		Certified	Certified	Certified	Certified	
Universal Lighting Technologies	B432I277HEH	Certified	Certified	Certified	Certified	Certified	Certified	Certified	

See footnotes on Page 6.

T8 Programmed–Start Ballasts (Fixed Output)

Manufacturer	Ballast Model	8.5W 1050lm (2 ft.) 452011, 452029 452037, 452045 System Certified[1]/Certified[2]	10.5W 1200lm (3ft.) 452052, 452060 452078, 452086 System Certified[1]/Certified[2]	14.5W 1600lm (4ft.) 433060, 433268 433078, 433086 System Certified[1]/Certified[2]	12W 1600lm (4ft.) 453589, 453597 453605, 453613 System Certified[1]/Certified[2]	16.5W 2100lm (4ft.) 434860, 434878, 434886, 434894, System Certified[1]/Certified[2]	15 W 2100 lm (4 ft.) 456897, 456905 456913, 456921 System Certified[1]/Certified[2]	17W 2100 lm (4 ft. Glass) 456566, 456574 456590, 456608 456616, 456624 System Certified[1]/Certified[2]	16.5W 2100lm (U- Bent)[3] 452664, 452672, 452680, 452698 System Certified[1]/Certified[2]
Philips Advance	IOP-2PSP32-N						System Certified		
Philips Advance	IOP-3PSP32-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified		
Philips Advance	IOP-4PSP32-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified		
Philips Advance	IOP-2PSP32-LW-N						System Certified		
Philips Advance	IOP-3PSP32-LW-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified		
Philips Advance	IOP-4PSP32-LW-SC	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified		
Philips Advance	HOP-2PSP32-HL-L						System Certified		
Philips Advance	HOP-4PSP32-HL-G						System Certified		
General Electric	GE-232MVPS-XL						Certified		
General Electric	GE-332MVPS-XL						Certified		
General Electric	GE-132MVPS-L								
General Electric	GE-232MVPS-L								
General Electric	GE-332MVPS-L								
General Electric	GE-432MVPS-L								
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 1X32T8/UNV PSN-MC						Certified		
Osram Sylvania	QHE 2x32T8/UNV PSN-MC	Certified	Certified	Certified	Certified	Certified	Certified		Certified
Osram Sylvania	QHE 3x32T8/UNV PSN-SC	Certified	Certified	Certified	Certified	Certified	Certified		
Osram Sylvania	QHE 4x32T8/UNV PSN-SC	Certified	Certified	Certified	Certified	Certified	Certified		
Osram Sylvania	QHES 2X32T8/UNV PSL-SC						Certified		
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		
Universal Lighting Technologies	B232PUNVHE-B	Certified	Certified	Certified	Certified	Certified	Certified		Certified
Universal Lighting Technologies	B332PUNVHE-A	Certified	Certified	Certified	Certified	Certified	Certified		
Universal Lighting Technologies	B432PUNVHE-A	Certified	Certified	Certified	Certified	Certified	Certified		
Universal Lighting Technologies	B232PUNVHEH-A						Certified		

See footnotes on Page 6.

T8 Programmed–Start Ballasts (Dimmable)

Manufacturer	Ballast Model	System Certified[1]/ Certified[2]	Remarks
		15 W 2100 lm (4 ft.) 456897, 456905, 456913, 456921	
Philips Advance	IZT-2S32-SC	System Certified	Use Compatible 0-10V dimmer
Philips Advance	IZT-4S32	System Certified	Use Compatible 0-10V dimmer
Philips Advance	REZ-132-SC	System Certified	Use Compatible Mark 10 dimmer
Philips Advance	VEZ-132-SC	System Certified	Use Compatible Mark 10 dimmer
Philips Advance	REZ-2S32-SC	System Certified	Use Compatible Mark 10 dimmer
Philips Advance	VEZ-2S32-SC	System Certified	Use Compatible Mark 10 dimmer
Philips Advance	REZ-3S32-SC	System Certified	Use Compatible Mark 10 dimmer
Philips Advance	VEZ-3S32-SC	System Certified	Use Compatible Mark 10 dimmer
General Electric	GE132MVPSN-V03	Certified	Use Compatible 0-10V dimmer
General Electric	GE232MVPSN-V03	Certified	Use Compatible 0-10V dimmer
General Electric	GE332MVPSN-V03	Certified	Use Compatible 0-10V dimmer
General Electric	GE432MVPSN-V03	Certified	Use Compatible 0-10V dimmer
General Electric	GE232MVPSH-V03	Certified	Use Compatible 0-10V dimmer
General Electric	GE332MVPSH-V03	Certified	Use Compatible 0-10V dimmer
General Electric	GE432MVPSH-V03	Certified	Use Compatible 0-10V dimmer

PL–L Instant-Start Ballasts

Manufacturer	Ballast Model	System Certified[1]/ Certified[2]
		16.5 W 2100 lm (PL-L 2 ft.) 456632, 456640, 456657
Philips Advance	ICN-1TTP40-SC	System Certified
Philips Advance	ICN-2TTP40-SC	System Certified
Philips Advance	ICN-3TTP40-SC	System Certified
General Electric	GE140MAX-A	Certified
General Electric	GE240MAX-A	Certified
General Electric	GE340MAX-A	Certified
Osram Sylvania	QHE1X40DL/UNV ISN-SC	Certified
Osram Sylvania	QHE2X40DL/UNV ISN-SC	Certified
Osram Sylvania	QHE3X40DL/UNV ISN-SC	Certified

Emergency Ballasts[6]

Manufacturer	Emergency Ballast Model	# of lamps in Emergency	8.5W 1050lm (2 ft.) 452011, 452029 452037, 452045	10.5W 1200lm (3ft.) 452052, 452060 452078, 452086	14.5W 1600lm (4ft.) 433060, 433268 433078, 433086	12W 1600lm (4ft.) 453589, 453597 453605, 453613	16.5W 2100lm (4ft.) 434860, 434878, 434886, 434894,	15 W 2100 lm (4 ft.) 456897, 456905 456913, 456921	17W 2100 lm (4 ft. Glass) 456566, 456574 456590, 456608 456616, 456624	16.5W 2100lm (U- Bent)[3] 452664, 452672, 452680, 452698	16.5 W 2100 lm (PL-L 2 ft.) 456632, 456640 456657
			System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]	System Certified[1]/ Certified[2]
Philips Bodine	(new) B50 (12NC: 913702456401)	1	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Bodine	LP600	1	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Bodine	LP600STU	1	Not Recommended	Not Recommended	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Philips Chloride	DEB-6LP	1	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified	System Certified
Fulham	FH7-UNV-500L	1	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified
Fulham	FH11-UNV-750L-xx	1	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified
Fulham	FH12-UNV-1400L-xx	1	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified
Iota Engineering	I-320	1 or 2	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified
Iota Engineering	I-160[5]	1 or 2	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified
Iota Engineering	I-162	2	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified
Iota Engineering	ISL-54	1 or 2	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified
Iota Engineering	ISL-540	1 or 2	System Certified	System Certified	System Certified	System Certified	System Certified			System Certified	System Certified

See footnotes on Page 6.

1. System performance (Philips InstantFit LED T8 lamp and ballast) has been evaluated by the lamp and ballast manufacturer.
2. System performance (Philips InstantFit LED T8 lamp and ballast) has been evaluated by the lamp manufacturer only.
3. Typical application for U-Bent Lamps is with 2-lamp ballasts.
4. Ballast tests are performed with a specific date code. Please contact the factory for date code information.
5. Connect BRN/BRN-W leads.
6. Please contact the emergency ballast manufacturer for wiring diagrams.
* Please contact Philips for questions about third party ballasts that are not on this list. Information in this document is subject to change without prior notice.