

PHILIPS

Ballast/driver compatibility guide

InstantFit LED lamps



Applicable part numbers for all InstantFit lamps:

452011	452029	452037	452045	452052	452060	452078	452086	433060	433268	433078	433086	453589	453597	453605
453613	434860	434878	434886	434894	456897	456905	456913	456921	456566	456574	456590	456608	456616	456624
452664	452672	452680	452698	456632	456640	456657	458406	458414	458422	458430	458364	458372	458380	458398

InstantFit drivers^{1,2}

		8.5W 1050lm (2ft.)	10.5W 1200lm (3ft.)	14.5W 1600lm (4ft.)	12W 1600lm (4ft.)	16.5W 2100lm (4ft.)	15 W 2100 lm (4ft.)	17W 2100 lm (4ft. Glass)	16.5W 2100lm (U- Bent) ⁵
		452011, 452029 452037, 452045	452052, 452060 452078, 452086	433060, 433268 433078, 433086	453589, 453597 453605, 453613	434860, 434878, 434886, 434894,	456897, 456905 456913, 456921	456566, 456574 456590, 456608 456616, 456624	452664, 452672, 452680, 452698
Manufacturer	Ballast Model	System Certified ³ / Certified ⁴							
Philips Advance	ICN-2P16-TLED-N	System Certified	System Certified		System Certified	System Certified	System Certified		System Certified
Philips Advance	ICN-4P16-TLED-N	System Certified	System Certified		System Certified	System Certified	System Certified		

Systems on this page are:



See footnotes on Page 8.

T8 instant-start ballasts¹

		8.5W 1050lm (2ft.)	10.5W 1200lm (3ft.)	14.5W 1600lm (4ft.)	12W 1600lm (4ft.)	16.5W 2100lm (4ft.)	15 W 2100 lm (4ft.)	17W 2100 lm (4ft. Glass)	16.5W 2100lm (U- Bent) ⁵
		452011, 452029 452037, 452045	452052, 452060 452078, 452086	433060, 433268 433078, 433086	453589, 453597 453605, 453613	434860, 434878, 434886, 434894,	456897, 456905 456913, 456921	456566, 456574 456590, 456608 456616, 456624	452664, 452672, 452680, 452698
Manufacturer	Ballast Model	System Certified ² / Certified ⁴							
Philips Advance	ICN-2P16-TLED-N	System Certified	System Certified		System Certified	System Certified	System Certified		System Certified
Philips Advance	ICN-4P16-TLED-N	System Certified	System Certified		System Certified	System Certified	System Certified		
Philips Advance	ICN-1P32-N	System Certified							
Philips Advance	ICN-2P32-N	System Certified							
Philips Advance	ICN-3P32-N	System Certified							
Philips Advance	ICN-4P32-N	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							
Philips Advance	IOPA-3P32-N	System Certified							
Philips Advance	IOPA-4P32-N	System Certified							
Philips Advance	IOPA-2P32-LW-N	System Certified							
Philips Advance	IOPA-3P32-LW-N	System Certified							
Philips Advance	IOPA-4P32-LW-N	System Certified							
Philips Advance	IOPA-1P32-HL-N	System Certified		System Certified					
Philips Advance	IOPA-2P32-HL-N	System Certified							
Philips Advance	IOPA-3P32-HL-N	System Certified							
Philips Advance	IOPA-4P32-HL-SC	System Certified							
Philips Advance	GOPA-1P32-SC	System Certified							
Philips Advance	GOPA-2P32-SC	System Certified							
Philips Advance	GOPA-3P32-SC	System Certified							
Philips Advance	GOPA-4P32-SC	System Certified							
Philips Advance	GOPA-1P32-LW-SC	System Certified							
Philips Advance	GOPA-2P32-LW-SC	System Certified							
Philips Advance	GOPA-3P32-LW-SC	System Certified							
Philips Advance	GOPA-4P32-LW-SC	System Certified							
Philips Advance	RES-2P32-N	System Certified							
Philips Advance	REB-2P32-SC	System Certified							
Philips Advance	REB-4P32-SC	System Certified	System Certified		System Certified	System Certified	System Certified	System Certified	

See footnotes on Page 8.

T8 instant-start ballasts¹

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

See footnotes on Page 8.

T8 instant-start ballasts¹

		8.5W 1050lm (2ft.)	10.5W 1200lm (3ft.)	14.5W 1600lm (4ft.)	12W 1600lm (4ft.)	16.5W 2100lm (4ft.)	15 W 2100 lm (4ft.)	17W 2100 lm (4ft. Glass)	16.5W 2100lm (U- Bent) ⁵
		452011, 452029 452037, 452045	452052, 452060 452078, 452086	433060, 433268 433078, 433086	453589, 453597 453605, 453613	434860, 434878, 434886, 434894,	456897, 456905 456913, 456921	456566, 456574 456590, 456608 456616, 456624	452664, 452672, 452680, 452698
Manufacturer	Ballast Model	System Certified ³ / Certified ⁴							
Osram Sylvania	QTP 1x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QTP 2x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QTP 3x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QTP 4x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QHE 1x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QHE 2x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QHE 3x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QHE 4x32T8/UNV ISN-SC	Certified							
Osram Sylvania	QHE 1x32T8/UNV ISL-SC	Certified							
Osram Sylvania	QHE 2x32T8/UNV ISL-SC	Certified							
Osram Sylvania	QHE 3x32T8/UNV ISL-SC	Certified							
Osram Sylvania	QHE 4x32T8/UNV ISL-SC	Certified							
Osram Sylvania	QHE 1x32T8/UNV ISH-SC	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							
Osram Sylvania	QHE 1x32T8/UNV ISH HT SC	Certified							
Osram Sylvania	QHE 2x32T8/UNV ISH HT SC	Certified							
Osram Sylvania	QHE 1x32T8/UNV ISN-SC-1	Certified							
Osram Sylvania	QHE 2x32T8/UNV ISN-SC-1	Certified							
Osram Sylvania	QHE 3x32T8/UNV ISN-SC-1	Certified							
Osram Sylvania	QHE 4x32T8/UNV ISN-SC-1	Certified							
Osram Sylvania	QHE 2x32T8/UNV ISL-SC-1	Certified							
Osram Sylvania	QHE 4x32T8/UNV ISL-SC-1	Certified							
Ultrasave	UT232347	Certified							
Ultrasave	UT432347	Certified							
Universal Lighting Technologies	B132IUNVHP-N	Certified							
Universal Lighting Technologies	B232IUNVHP-N	Certified							
Universal Lighting Technologies	B332IUNVHP-A	Certified							
Universal Lighting Technologies	B432IUNVHP-A	Certified							
Universal Lighting Technologies	B132IUNVHE-A	Certified							
Universal Lighting Technologies	B232IUNVHE-A	Certified							
Universal Lighting Technologies	B332IUNVHE-A	Certified							
Universal Lighting Technologies	B432IUNVHE-A	Certified							
Universal Lighting Technologies	B132IUNVEL-A	Certified							
Universal Lighting Technologies	B232IUNVEL-A	Certified							
Universal Lighting Technologies	B332IUNVEL-A	Certified							
Universal Lighting Technologies	B432IUNVEL-A	Certified							
Universal Lighting Technologies	B232IUNVHEH-A	Certified							
Universal Lighting Technologies	B332IUNVHEH-A	Certified							
Universal Lighting Technologies	B432I277HEH	Certified							

See footnotes on Page 8.

T8 programmed-start ballasts (fixed output)¹

		8.5W 1050lm (2ft.)	10.5W 1200lm (3ft.)	14.5W 1600lm (4ft.)	12W 1600lm (4ft.)	16.5W 2100lm (4ft.)	15 W 2100 lm (4ft.)	17W 2100 lm (4ft. Glass)	16.5W 2100lm (U- Bent) ²
		452011, 452029 452037, 452045	452052, 452060 452078, 452086	433060, 433268 433078, 433086	453589, 453597 453605, 453613	434860, 434878, 434886, 434894,	456897, 456905 456913, 456921	456566, 456574 456590, 456608 456616, 456624	452664, 452672, 452680, 452698
Manufacturer	Ballast Model	System Certified ³ / Certified ⁴							
Philips Advance	IOP-2PSP32-N						System Certified		
Philips Advance	IOP-3PSP32-SC	System Certified							
Philips Advance	IOP-4PSP32-SC	System Certified							
Philips Advance	IOP-2PSP32-LW-N						System Certified		
Philips Advance	IOP-3PSP32-LW-SC	System Certified							
Philips Advance	IOP-4PSP32-LW-SC	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 8.

T8 programmed-start ballasts (Dimmable)¹

15 W 2100 lm
(4 ft.)

456897, 456905, 456913, 456921

Manufacturer	Ballast Model	System Certified ³ / Certified ⁴	Dimmer Recommendation
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	Philips Lightolier - V1500EBUW Lutron - MRF2-6ND-120
Philips Advance	VEZ-132-SC	System Certified	Philips Lightolier - V1500EBUW
Philips Advance	REZ-2S32-SC	System Certified	Philips Lightolier - V1500EBUW Lutron - MRF2-6ND-120
Philips Advance	VEZ-2S32-SC	System Certified	Philips Lightolier - V1500EBUW
Philips Advance	REZ-3S32-SC	System Certified	Philips Lightolier - V1500EBUW Lutron - MRF2-6ND-120
Philips Advance	VEZ-3S32-SC	System Certified	Philips Lightolier - V1500EBUW
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 ballasts¹

16.5 W 2100 lm
(PL-L 2 ft.)

456632, 456640, 456657

Manufacturer	Ballast Model	System Certified ³ / Certified ⁴
Philips Advance	ICN-ITTP40-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^{1,2}

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

See footnotes on Page 8.

CFL ballasts^{1,2}

Manufacturer	Driver Model	8.5W, 900 lm (Vertical Configuration)	10.5W, 1200 lm (Horizontal Configuration)
		458406, 458414, 458422, 458430	458364, 458372, 458380, 458398
		System Certified ³ / Certified ⁴	System Certified ³ /Certified ⁴
Philips Advance	ICF-2S13-M1-BS	System Certified	System Certified
Philips Advance	ICF-2S13-H1-LD	System Certified	System Certified
Philips Advance	ICF-2S13-M1-BS-QS	System Certified	System Certified
Philips Advance	ICF-2S26-H1-LD	System Certified	System Certified
Philips Advance	ICF-2S26-M1-BS	System Certified	System Certified
Philips Advance	ICF-2S26-M1-BS-QS	System Certified	System Certified
Philips Advance	ICF-2S18-H1-LD	System Certified	System Certified
Philips Advance	ICF-2S18-M1-BS	System Certified	System Certified
Philips Advance	ICF-2S18-M1-BS-QS	System Certified	System Certified
Philips Advance	ICF-2S42-M2-LD	System Certified	System Certified
Philips Advance	ICF-2S42-M2-BS	System Certified	System Certified
Philips Advance	ICF-2S42-90C-M2-BS	System Certified	System Certified
Philips Advance	ICF-2S42-90C-M2-LD	System Certified	System Certified
General Electric	GEC218-MVPS-SE	Certified	Certified
Universal Lighting Technologies	C218UNVME	Certified	Certified
Universal Lighting Technologies	C2642UNVME	Certified	Certified
Osram Sylvania	QTP 1/2X18CF/UNV DM	Certified	Certified
Osram Sylvania	QTP 2X26CF/UNV DM	Certified	Certified
Howard Industries	EP2/26CF/MV/2	Certified	Certified

Systems on this page are:



1. Ballast tests are performed with a specific date code. Please contact the factory for date code information.
 2. UL/CSA Classified with the listed ballasts / drivers
 3. System performance (Philips InstantFit LED T8 lamp and ballast) has been evaluated by the lamp and ballast manufacturer.
 4. System performance (Philips InstantFit LED T8 lamp and ballast) has been evaluated by the lamp manufacturer only.
 5. Typical application for U-Bent Lamps is with 2-lamp ballasts.
 6. Connect BRN/BRN-W leads.
 7. 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.



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