

# T8

Offices

Classrooms

Hallways

Restrooms

Healthcare  
Facilities



## Optanium® High-Efficiency Instant Start Electronic Fluorescent Ballasts for T8 Lamps

Engineered to optimize lighting performance and maximize energy savings, Optanium ballasts fully support the wide variety of T8 fluorescent lamps on the market. They are also one of the charter products of the NEMA Premium® Ballast Program.

No. of Lamps	Input Volts	Philips Advance Model	Lamp Type	Input Power (Watts)	Ballast Factor	Line Current	T8 Lamps Operated							
							F17T8	F25T8	F32T8	F32T8/ES (25W)	F32T8/ES (28W)	F32T8/ES (30W)	F40T8	
● 1	120-277	IOPA-1P32-LW-SC	F32T8	25	0.77	0.22-0.10	1	1	1	1	1	1	1	
			F32T8/ES (28W)	22	0.77	0.19-0.08								
			F32T8/ES (25W)	21	0.77	0.17-0.07								
● 1	120-277	IOPA-1P32-SC	F32T8	28	0.87	0.25-0.11	1	1	1	1	1	1	1	
			F32T8/ES (28W)	25	0.87	0.22-0.10								
			F32T8/ES (25W)	23	0.87	0.20-0.09								
● 1	120-277	IOPA-1P32-HL-SC	F32T8	39-38	1.18	0.33-0.14	1	1	1	1	1	1	1	
● 2	120-277	IOPA-2P32-LW-SC	F32T8	48	0.77	0.41-0.17	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1
			F32T8/ES (28W)	42	0.77	0.35-0.15								
			F32T8/ES (25W)	38	0.77	0.32-0.14								
● 2	120-277	IOPA-2P32-SC	F32T8	55-54	0.87	0.47-0.20	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1
			F32T8/ES (28W)	48-47	0.87	0.41-0.18								
			F32T8/ES (25W)	44-43	0.87	0.37-0.16								
● 2	120-277	IOPA-2P32-HL-SC	F32T8	74-72	1.18	0.62-0.26	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1	
● 3	120-277	IOPA-3P32-LW-SC	F32T8	73-71	0.77	0.62-0.37	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2
			F32T8/ES (28W)	64-63	0.77	0.54-0.23								
			F32T8/ES (25W)	58-57	0.77	0.49-0.21								
● 3	120-277	IOPA-3P32-SC	F32T8	82-80	0.87	0.70-0.30	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2
			F32T8/ES (28W)	72-71	0.87	0.61-0.26								
			F32T8/ES (25W)	65-64	0.87	0.55-0.24								
● 3	120-277	IOPA-3P32-HL-SC	F32T8	110-107	1.18	0.91-0.39	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2	
● 4	120-277	IOPA-4P32-LW-SC	F32T8	96-94	0.77	0.81-0.35	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3
			F32T8/ES (28W)	82	0.77	0.71-0.30								
			F32T8/ES (25W)	77-75	0.77	0.65-0.28								
● 4	120-277	IOPA-4P32-SC	F32T8	109-106	0.87	0.92-0.39	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3
			F32T8/ES (28W)	96-94	0.87	0.81-0.35								
			F32T8/ES (25W)	87-85	0.87	0.73-0.31								
● 4	120-277	IOPA-4P32-HL-SC	F32T8	152-148	1.18	1.27-0.54	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3	

## Optanium High-Efficiency Programmed Start Electronic Fluorescent Ballasts for T8 Lamps

Programmed start ignition provides extended lamp life in frequent switching applications, such as those where occupancy sensors or motion detectors are being used.

No. of Lamps	Input Volts	Philips Advance Model	Lamp Type	Input Power (Watts)	Ballast Factor	Line Current	T8 Lamps Operated						
							F17T8	F25T8	F32T8	F32T8/ES (25W)	F32T8/ES (28W)	F32T8/ES (30W)	F40T8
● 1	120-277	IOP-1S32-LW-SC	F32T8	25	0.73	0.20-0.09	1	1	1	1	1	1	1
			F32T8/ES (28W)	22	0.73	0.18-0.08							
			F32T8/ES (25W)	21	0.73	0.17-0.08							
● 1	120-277	IOP-1S32-SC	F32T8	29	0.90	0.24-0.11	1	1	1	1	1	1	1
			F32T8/ES (28W)	26	0.88	0.21-0.09							
			F32T8/ES (25W)	24	0.89	0.20-0.09							
● 2	120-277	IOP-2S32-LW-SC	F32T8	47-46	0.71	0.38-0.17	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2
			F32T8/ES (28W)	41-40	0.71	0.34-0.15							
			F32T8/ES (25W)	39-38	0.71	0.32-0.14							
● 2	120-277	IOP-2S32-SC	F32T8	56-55	0.88	0.47-0.20	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2
			F32T8/ES (28W)	49-48	0.88	0.41-0.18							
			F32T8/ES (25W)	45-44	0.88	0.38-0.16							
● 3	120-277	IOP-3S32-LW-SC	F32T8	71-70	0.71	0.59-0.26	3	3	3	3	3	3	3
			F32T8/ES (28W)	62-61	0.71	0.51-0.21							
			F32T8/ES (25W)	57-56	0.71	0.48-0.21							
● 3	120-277	IOP-3S32-SC	F32T8	83-81	0.88	0.70-0.30	3	3	3	3	3	3	3
			F32T8/ES (28W)	72-71	0.89	0.60-0.26							
			F32T8/ES (25W)	65-64	0.89	0.56-0.25							
● 4	120-277	IOP-4S32-LW-SC	F32T8	93-91	0.71	0.77-0.33	4	4	4	4	4	4	4
			F32T8/ES (28W)	80-79	0.71	0.67-0.29							
			F32T8/ES (25W)	74-73	0.71	0.62-0.27							
● 4	120-277	IOP-4S32-SC	F32T8	110	0.88	0.92-0.40	4	4	4	4	4	4	4
			F32T8/ES (28W)	97-96	0.88	0.82-0.35							
			F32T8/ES (25W)	87-85	0.87	0.73-0.31							

● Smart Solution