

PHILIPS

LED

InstantFit lamps



Easily upgrade to LED from fluorescent.

Philips InstantFit LED T8 and 4-pin long compact (PL-L) lamps are an ideal energy saving choice for existing fluorescent fixtures.

Benefits

- 50% energy savings v/s F32T8 electronic instant-start systems¹
- Can be used in food areas and refrigerated food displays
- Convert to LED technology without the need to re-wire the fixture²
- Long life (50,000 hours³) v/s F32T8 fluorescent lamps (38,000 hours)
- Can be switched "on/off" frequently
- No Mercury, allowing for non-hazardous waste disposal
- Light distribution that uniformly illuminates the work surface

Features

- Compatible with a wide range of electronic instant-start, programmed-start, & emergency ballasts; select models are compatible with dimming ballasts⁴
- Certain models feature a plastic shatter-proof construction
- Plastic models are made with a UL94V-0 flame retardant material
- Fits into the existing fluorescent sockets (eg. G13 & 2G11)
- Contains no mercury
- Low temperature operation (down to -4 F or -20C)
- Negligible UV radiation (less than 1 uW/lm for wavelengths shorter than 425 nm)
- 160 degree beam angle
- Certain models are compliant with the federal Trade Agreements Act (TAA)
- Most models feature a 5 year limited warranty⁵

Philips InstantFit LED T8 Lamps

Ordering, Electrical and Technical Data (Subject to change without notice)

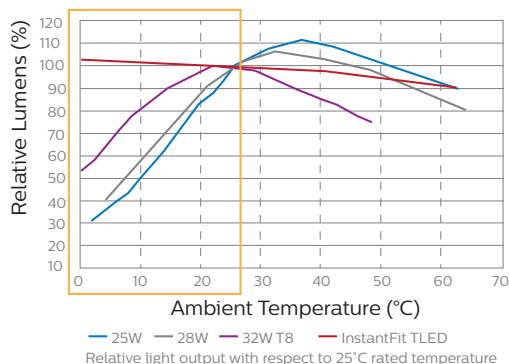
Product No.	Model No.	Ordering Code	Volts (Depending on Ballast)	Base	CRI	Color Temp. (K)	Pkg Qty	LED Lifetime ³	MOL (In.)	Beam Angle
InstantFit LED T8 - 4'										
45358-9	9290011239	12T8/48-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	48	160°
● 45359-7	9290011240	12T8/48-3500 IF 10/1	120-277, 347	G13	82	3500	10	50,000	48	160°
● 45360-5	9290011241	12T8/48-4000 IF 10/1	120-277, 347	G13	82	4000	10	50,000	48	160°
● 45361-3	9290011242	12T8/48-5000 IF 10/1	120-277, 347	G13	82	5000	10	50,000	48	160°
●● 46420-6	9290011239	12T8/48-3000 IF 10/1 TAA	120-277,347-480	G13	82	3000	10	50,000	48	160°
●● 46421-4	9290011240	12T8/48-3500 IF 10/1 TAA	120-277,347-480	G13	82	3500	10	50,000	48	160°
●● 46422-2	9290011241	12T8/48-4000 IF 10/1 TAA	120-277,347-480	G13	82	4000	10	50,000	48	160°
●● 46423-0	9290011242	12T8/48-5000 IF 10/1 TAA	120-277,347-480	G13	82	5000	10	50,000	48	160°
InstantFit LED T8 - 4' Dimmable¹ High Output										
● 45689-7	9290011585	15T8/48-3000 IF DIM 10/1	120-277, 347	G13	82	3000	10	50,000	48	160°
● 45690-5	9290011586	15T8/48-3500 IF DIM 10/1	120-277, 347	G13	82	3500	10	50,000	48	160°
● 45691-3	9290011587	15T8/48-4000 IF DIM 10/1	120-277, 347	G13	82	4000	10	50,000	48	160°
● 45692-1	9290011588	15T8/48-5000 IF DIM 10/1	120-277, 347	G13	82	5000	10	50,000	48	160°
●● 46424-8	9290011585	15T8/48-3000 IF 10/1 TAA	120-277,347-480	G13	82	3000	10	50,000	48	160°
●● 46425-5	9290011586	15T8/48-3500 IF 10/1 TAA	120-277,347-480	G13	82	3500	10	50,000	48	160°
●● 46426-3	9290011587	15T8/48-4000 IF 10/1 TAA	120-277,347-480	G13	82	4000	10	50,000	48	160°
●● 46427-1	9290011588	15T8/48-5000 IF 10/1 TAA	120-277,347-480	G13	82	5000	10	50,000	48	160°
InstantFit LED T8 - 4' Ultra High Output										
● 46313-3	9290012267	16.5T8 LED/48-3500 IF 10/1 UHO	120-277, 347	G13	82	3500	10	70,000	48	160°
● 46314-1	9290012268	16.5T8 LED/48-4000 IF 10/1 UHO	120-277, 347	G13	82	4000	10	70,000	48	160°
● 46315-8	9290012269	16.5T8 LED/48-5000 IF 10/1 UHO	120-277, 347	G13	82	5000	10	70,000	48	160°
InstantFit LED T8 - 4' Glass										
45656-6	9290011511	17T8/48-4000 IFG 10/1	120-277, 347	G13	82	4000	10	36,000	48	240°
45657-4	9290011512	17T8/48-5000 IFG 10/1	120-277, 347	G13	82	5000	10	36,000	48	240°
InstantFit LED T8 - 3'										
45205-2	9290011183	10.5T8/36-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	36	160°
45206-0	9290011184	10.5T8/36-3500 IF 10/1	120-277, 347	G13	82	3500	10	50,000	36	160°
45207-8	9290011185	10.5T8/36-4000 IF 10/1	120-277, 347	G13	82	4000	10	50,000	36	160°
45208-6	9290011186	10.5T8/36-5000 IF 10/1	120-277, 347	G13	82	5000	10	50,000	36	160°
InstantFit LED T8 - 2' High Output										
45201-1	9290011179	8.5T8/24-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	24	160°
● 45202-9	9290011180	8.5T8/24-3500 IF 10/1	120-277, 347	G13	82	3500	10	50,000	24	160°
● 45203-7	9290011181	8.5T8/24-4000 IF 10/1	120-277, 347	G13	82	4000	10	50,000	24	160°
● 45204-5	9290011182	8.5T8/24-5000 IF 10/1	120-277, 347	G13	82	5000	10	50,000	24	160°
InstantFit LED T8 U-Bent - 6" High Output										
45266-4	9290011196	16.5T8/24-3000 IF-6U 10/1	120-277, 347	G13	82	3000	10	50,000	22.5	160°
45267-2	9290011197	16.5T8/24-3500 IF-6U 10/1	120-277, 347	G13	82	3500	10	50,000	22.5	160°
45268-0	9290011198	16.5T8/24-4000 IF-6U 10/1	120-277, 347	G13	82	4000	10	50,000	22.5	160°
45269-8	9290011199	16.5T8/24-5000 IF-6U 10/1	120-277, 347	G13	82	5000	10	50,000	22.5	160°
InstantFit LED 4-Pin long compact (PL-L) - 2' High Output										
45663-2	9290011513	16.5PL-LED/24-3000 IF 10/1	120-277	2G11	82	3000	10	40,000	22.5	160°
45664-0	9290011514	16.5PL-LED/24-3500 IF 10/1	120-277	2G11	82	3500	10	40,000	22.5	160°
45665-7	9290011515	16.5PL-LED/24-4000 IF 10/1	120-277	2G11	82	4000	10	40,000	22.5	160°

Ballast Compatibility Guide

Please refer to www.philips.com/instantfit for instant start ballasts details and the latest ballast compatibility guide.

Relative Light Output vs. Ambient Temperature

4' T8 Lamps - 0.88 BF Ballast



Suitable for use in fixtures where ambient temperature is between -4°F (-20°C) and 113°F (45°C).

Warning: Philips LED T8 InstantFit lamps will only operate properly on compatible Instant-start and Programmed-start ballasts. Please refer to the Philips LED T8 InstantFit Installation Guide, which can be obtained through your local Philips Sales Representative, or visit www.philips.com/instantfit

FCC Note: This device complies with Part 18 of the FCC Rules.

Philips InstantFit LED T8 Lamps

Ordering, Electrical and Technical Data (Subject to change without notice)

Product No.	Bare Lamp Watts (W)	Average System Watts (W)			Initial Lumens ⁶		
		Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)	Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)
InstantFit LED T8 - 4'							
45358-9	12	12.5	14.5	18.5	1300	1500	1700
45359-7	12	12.5	14.5	18.5	1300	1500	1800
45360-5	12	12.5	14.5	18.5	1400	1600	1850
45361-3	12	12.5	14.5	18.5	1450	1600	2000
46420-6	12	12.5	14.5	18.5	1300	1500	1700
46421-4	12	12.5	14.5	18.5	1300	1500	1800
46422-2	12	12.5	14.5	18.5	1400	1600	1850
46423-0	12	12.5	14.5	18.5	1450	1600	2000
InstantFit LED T8 - 4' Dimmable¹ High Output							
45689-7	15	16	18	26.5	1800	2000	2700
45690-5	15	16	18	26.5	1800	2000	2700
45691-3	15	16	18	26.5	1900	2100	2800
45692-1	15	16	18	26.5	1900	2100	2800
46424-8	15	16	18	26.5	1800	2000	2700
46425-5	15	16	18	26.5	1800	2000	2700
46426-3	15	16	18	26.5	1900	2100	2800
46427-1	15	16	18	26.5	1900	2100	2800
InstantFit LED T8 - 4' Ultra High Output							
46313-3	16.5	18	20	27	2200	2400	2950
46314-1	16.5	18	20	27	2250	2500	3050
46315-8	16.5	18	20	27	2250	2500	3050
InstantFit LED T8 - 4' Glass							
45656-6	17	18.0	20.0	26.5	1850	2100	2450
45657-4	17	18.0	20.0	26.5	1850	2100	2450
InstantFit LED T8 - 3'							
45205-2	10.5	12.5	13	17	1000	1100	1330
45206-0	10.5	12.5	13	17	1050	1160	1400
45207-8	10.5	12.5	13	17	1080	1200	1440
45208-6	10.5	12.5	13	17	1150	1270	1550
InstantFit LED - 2' High Output							
45201-1	8.5	10	10.5	14.5	860	950	1110
45202-9	8.5	10	10.5	14.5	900	1040	1170
45203-7	8.5	10	10.5	14.5	930	1050	1200
45204-5	8.5	10	10.5	14.5	1000	1100	1290
InstantFit LED T8 U-Bent - 6" High Output							
45266-4	16.5	17.5	19	25.5	1800	2000	2700
45267-2	16.5	17.5	19	25.5	1800	2000	2700
45268-0	16.5	17.5	19	25.5	1900	2100	2800
45269-8	16.5	17.5	19	25.5	1950	2150	2900
InstantFit LED 4-Pin long compact (PL-L) - 2' High Output							
45663-2	17	N/A	21	N/A	N/A	1900	N/A
45664-0	17	N/A	21	N/A	N/A	2000	N/A
45665-7	17	N/A	21	N/A	N/A	2100	N/A

System Power Compatibility Guide

This chart shows the measured system wattage of the Philips InstantFit TLED versus a comparable linear fluorescent lamp when used with the reference ballast.

	Reference Ballast	ICN-1P32-N	ICN-2P32-N	ICN-3P32-N	ICN-4P32-N
	Ballast Factor	0.88	0.88	0.88	0.88
	Number of Lamps	1	2	3	4
Specification	Lamp Type	System Power (W) ¹			
	F32T8	31	59	85	112
	InstantFit 12 W	12.5	27.5	40	58
	InstantFit 15 W	24	35.5	46	63

- (2) Lamp F32T8 Electronic Instant Start System with 0.88 Ballast Factor= 58 System Watts; (2) Philips LED T8 InstantFit =29 System Watts; 58 - 29 = 29 System Watts Saved; 29/58 = 50% Energy Saved.
- Must follow guidelines for installation from Philips Quick Installation Guide included with lamp shipment.
- LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70). Testing with a ballast whose ballast factor is ≤ 0.88
- Please refer to the InstantFit ballast compatibility guide @ www.philips.com/instantfit. Compatibility subject to change as additional ballasts are tested. If you do not see your ballast on the compatibility list please contact your local Philips Lighting representative.
- For more information on Philips' limited warranty please visit www.philips.com/warranties
- Photometric testing consistent with IES LM-79.
 - This lamp is DLC qualified.
 - Products offered under the Trade Agreements Act (TAA). For more information, visit <http://www.va.gov/oal/business/fss/taa.asp>

Philips InstantFit LED T8 Lamps

Shipping Data (Subject to change without notice)

Product Number	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Cube (cu. Ft.)	Pallet Qty	Lamps/ SKU	SKUs per Layer	Layers High	SKU Dimensions (L x W x H) (In.)	Case Dimensions (L x W x H) (In.)	Pallet Dimensions (L x W x H) (In.)
InstantFit LED T8 - 4'												
45358-9	45358-9	45358-4	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
45359-7	45359-6	45359-1	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
45360-5	45360-2	45360-7	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
45361-3	45361-9	45361-4	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46420-6	46420-2	46420-7	10	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46421-4	46421-9	46421-4	10	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46422-2	46422-6	46422-1	10	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46423-0	46423-3	46423-8	10	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
InstantFit LED T8 - 4' Dimmable High Output												
45689-7	45689-4	45689-9	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
45690-5	45690-0	45690-5	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
45691-3	45691-7	45691-2	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
45692-1	45692-4	45692-9	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46424-8	46424-0	46424-5	10	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46425-5	46425-7	46425-2	0	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46426-3	46426-4	46426-9	10	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46427-1	46427-1	46427-6	10	9.70	0.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
InstantFit LED T8 - 4' Ultra High Output												
46313-3	46313-7	46313-2	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46314-1	46314-4	46314-9	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
46315-8	46315-1	46315-6	10	9.7	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
InstantFit LED T8 - 4' Glass												
45656-6	45656-6	45656-1	10	9.7	1.06	360	1	40	10	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4
45657-4	45657-3	45657-8	10	9.7	1.06	360	1	40	10	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4
InstantFit LED T8 - 3'												
45205-2	45205-6	45205-1	10	5.1	.43	800	1	80	10	1.1 x 1.1 x 36.0	38.0 x 6.0 x 3.4	50.6 x 39.4 x 39.6
45206-0	45206-3	45206-8	10	5.1	.43	800	1	80	10	1.1 x 1.1 x 36.0	38.0 x 6.0 x 3.4	50.6 x 39.4 x 39.6
45207-8	45207-0	45207-5	10	5.1	.43	800	1	80	10	1.1 x 1.1 x 36.0	38.0 x 6.0 x 3.4	50.6 x 39.4 x 39.6
45208-6	45208-7	45208-2	10	5.1	.43	800	1	80	10	1.1 x 1.1 x 36.0	38.0 x 6.0 x 3.4	50.6 x 39.4 x 39.6
InstantFit LED T8 - 2' High Output												
45201-1	45201-8	45201-3	10	4.63	.31	1200	1	120	10	1.1 x 1.1 x 24.0	26.2 x 6.0 x 3.4	50.6 x 39.4 x 39.6
45202-9	45202-5	45202-0	10	4.63	.31	1200	1	120	10	1.1 x 1.1 x 24.0	26.2 x 6.0 x 3.4	50.6 x 39.4 x 39.6
45203-7	45203-2	45203-7	10	4.63	.31	1200	1	120	10	1.1 x 1.1 x 24.0	26.2 x 6.0 x 3.4	50.6 x 39.4 x 39.6
45204-5	45204-9	45204-4	10	4.63	.31	1200	1	120	10	1.1 x 1.1 x 24.0	26.2 x 6.0 x 3.4	50.6 x 39.4 x 39.6
InstantFit LED U-Bent - 6" High Output												
45266-4	45266-7	45266-2	10	8.2	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4
45267-2	45267-4	45267-9	10	8.2	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4
45268-0	45268-1	45268-6	10	8.2	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4
45269-8	45269-8	45269-3	10	8.2	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4
InstantFit LED 4-Pin long compact (PL-L) - 2' High Output												
45663-2	45663-4	45663-9	10	4.65	0.29	1200	1	150	8	23.3 x 0.5 x 4.3	23.3 x 5.0 x 4.3	47.3 x 39.4 x 40.2
45664-0	45664-1	45664-6	10	4.65	0.29	1200	1	150	8	23.3 x 0.5 x 4.3	23.3 x 5.0 x 4.3	47.3 x 39.4 x 40.2
45665-7	45665-8	45665-3	10	4.65	0.29	1200	1	150	8	23.3 x 0.5 x 4.3	23.3 x 5.0 x 4.3	47.3 x 39.4 x 40.2



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