

**PHILIPS**

LED

InstantFit Lamps



# Easily upgrade to LED from fluorescent.

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

## Perfect for a wide range of applications

- Full light output in spaces with temperatures down to -4°F (-20°C)
- Perfect for applications with frequent “on/off” switching cycles
- Buildings that desire to be mercury free

## Easy to experience

- Compatible with a wide range of ballasts that include instant-start and programmed-start; select models are compatible with dimming ballasts<sup>1</sup>
- Fits into existing linear fixtures
- Eliminates the need for rewiring and allows the fixture to maintain original UL and CSA compliance<sup>2</sup>

## Energy savings

- 50% energy savings vs F32T8 electronic instant start systems<sup>3</sup>

## Sustainable lighting solution

- No mercury allowing for non-hazardous waste disposal
- Emits virtually no UV rays or IR
- NSF Certified for use in food areas and refrigerated food displays
- 5-year limited warranty<sup>4</sup>

Footnotes on the page 3.

# Philips InstantFit LED T8 Lamps

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

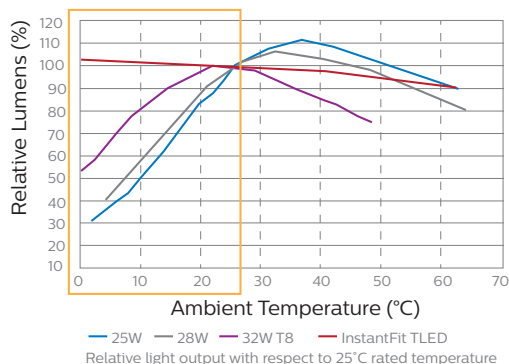
Product No.	Model No.	Ordering Code	Volts (Depending on Ballast)	Base	CRI	Color Temp. (K)	Pkg Qty	Rated Avg. Life <sup>5</sup>	MOL (In.)	Beam Angle
<b>LED InstantFit T8 - 4'</b>										
45358-9	9290011239	12T8/48-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	48	160°
● 45359-7	9290011240	12T8/48-3500 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°
<b>LED InstantFit T8 - 4' Dimmable<sup>1</sup> High Output</b>										
● 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°
<b>LED InstantFit T8 - 4' Ultra High Output</b>										
● 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°
<b>LED InstantFit T8 - 4' Glass</b>										
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°
<b>LED InstantFit T8 - 3'</b>										
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°
<b>LED InstantFit T8 - 2' High Output</b>										
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°
<b>LED InstantFit T8 U-Bent - 6" High Output</b>										
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°
<b>LED InstantFit 4-Pin long compact - 2' High Output</b>										
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](http://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](http://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 <sup>6</sup>		
		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)
<b>LED InstantFit T8 - 4'</b>							
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
<b>LED InstantFit T8 - 4' Dimmable<sup>1</sup> High Output</b>							
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
<b>LED InstantFit T8 - 4' Ultra High Output</b>							
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
<b>LED InstantFit T8 - 4' Glass</b>							
45656-6	17	18.0	20.0	26.5	1850	2100	2450
45657-4	17	18.0	20.0	26.5	1850	2100	2450
<b>LED InstantFit T8 - 3'</b>							
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
<b>LED InstantFit T8 - 2' High Output</b>							
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
<b>LED InstantFit T8 U-Bent - 6" High Output</b>							
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
<b>LED InstantFit 4-Pin long compact (PL-L) - 2' High Output</b>							
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

- Please refer to the InstantFit ballast compatibility guide @ [www.philips.com/instantfit](http://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.
  - Must follow guidelines for installation from Philips Quick Installation Guide included with lamp shipment.
  - (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.
  - See warranty for terms and conditions at [www.philips.com/warranties](http://www.philips.com/warranties).
  - Tested to B50 L70 requirements with a ballast whose ballast factor is  $\leq 0.88$ .
  - Photometric testing consistent with IES LM-79.
- This lamp is DLC qualified.

## 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) <sup>*</sup>			
	F32T8	31	59	85	112
	InstantFit 12 W	12.5	27.5	40	58
	InstantFit 15 W	24	35.5	46	63

\* Variance <10%

# 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 (W x D x H) (In.)	Case Dimensions (W x D x H) (In.)	Pallet Dimensions (W x D x H) (In.)
<b>LED InstantFit T8 - 4'</b>												
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
<b>LED InstantFit T8 - 4' Dimmable High Output</b>												
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
<b>LED InstantFit T8 - 4' Ultra High Output</b>												
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
<b>LED InstantFit T8 - 4' Glass</b>												
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
<b>LED InstantFit T8 - 3'</b>												
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
<b>LED InstantFit T8 - 2' High Output</b>												
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
<b>LED InstantFit T8 U-Bent - 6" High Output</b>												
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
<b>LED InstantFit 4-Pin long compact - 2' High Output</b>												
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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