

Easily upgrade to LED from fluorescent.

PHILIPS INSTANTFIT LED T8 LAMPS



Philips InstantFit LED T8 Lamps are an ideal energy saving choice for existing linear 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

- Instant on, no flicker or buzz
- Fits into existing linear fixtures
- Optimized performance with Instant Start Ballasts¹
- Compatible with select Program Start Ballasts¹
- Eliminates the need for rewiring and allows the fixture to maintain original UL and CSA compliance²

Energy savings

- 41% energy savings vs F32T8 electronic instant start systems³

Sustainable lighting solution

- No mercury allowing for non-hazardous waste disposal
- Emits virtually no UV rays or IR
- Glass-free for use in food areas and refrigerated food displays
- 5 year limited warranty⁴

(1, 2, 3, 4 See page 3 for footnotes)



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

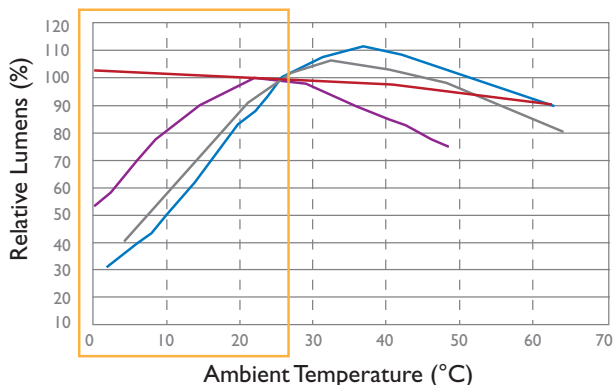
Product No.	Model No.	Ordering Code	Volts (Depending on Ballast)	Base	CRI	Color Temp. (K)	Pkg Qty	Rated Avg. Life ⁵	MOL (In.)	Beam Angle
LED InstantFit T8 - 4' Low Wattage										
● 453605	9290011241	12T8/48-4000 IF 10/1	100-277, 347	G13	82	4000	10	50,000	48	160
● 453613	9290011242	12T8/48-5000 IF 10/1	100-277, 347	G13	82	5000	10	50,000	48	160
LED InstantFit T8 - 4'										
433060	9290002840	14.5T8/48-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	48	160
433268	9290002862	14.5T8/48-3500 IF 10/1	120-277, 347	G13	82	3500	10	50,000	48	160
433078	9290002841	14.5T8/48-4000 IF 10/1	120-277, 347	G13	82	4000	10	50,000	48	160
● 433086	9290002842	14.5T8/48-5000 IF 10/1	120-277, 347	G13	82	5000	10	50,000	48	160
LED InstantFit T8 - 4' High Output										
● 434860	9290002880	16.5T8/48-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	48	160
● 434878	9290002881	16.5T8/48-3500 IF 10/1	120-277, 347	G13	82	3500	10	50,000	48	160
● 434886	9290002882	16.5T8/48-4000 IF 10/1	120-277, 347	G13	82	4000	10	50,000	48	160
● 434894	9290002883	16.5T8/48-5000 IF 10/1	120-277, 347	G13	82	5000	10	50,000	48	160
LED InstantFit T8 - 3'										
452052	9290011183	10.5T8/36-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	36	160
452060	9290011184	10.5T8/36-3500 IF 10/1	120-277, 347	G13	82	3500	10	50,000	36	160
452078	9290011185	10.5T8/36-4000 IF 10/1	120-277, 347	G13	82	4000	10	50,000	36	160
452086	9290011186	10.5T8/36-5000 IF 10/1	120-277, 347	G13	82	5000	10	50,000	36	160
LED InstantFit T8 - 2' High Output										
○ 452011	9290011179	8.5T8/24-3000 IF 10/1	120-277, 347	G13	82	3000	10	50,000	24	160
○ 452029	9290011180	8.5T8/24-3500 IF 10/1	120-277, 347	G13	82	3500	10	50,000	24	160
○ 452037	9290011181	8.5T8/24-4000 IF 10/1	120-277, 347	G13	82	4000	10	50,000	24	160
○ 452045	9290011182	8.5T8/24-5000 IF 10/1	120-277, 347	G13	82	5000	10	50,000	24	160
LED InstantFit T8 U-Bent- 6" High Output										
452664	9290011196	16.5T8/22.5-3000 IF-6U 10/1	120-277, 347	G13	82	3000	10	50,000	22.5	160
452672	9290011197	16.5T8/22.5-3500 IF-6U 10/1	120-277, 347	G13	82	3500	10	50,000	22.5	160
452680	9290011198	16.5T8/22.5-4000 IF-6U 10/1	120-277, 347	G13	82	4000	10	50,000	22.5	160
452698	9290011199	16.5T8/22.5-5000 IF-6U 10/1	120-277, 347	G13	82	5000	10	50,000	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 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

— 25W — 28W — 32W T8 — 14.5W InstantFit TLED
Relative light output with respect to 25°C rated temperature

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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)	Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)
LED InstantFit T8 - 4 ' Low Wattage									
453605	10.5	12	14.5	12.5	14.5	18.5	1400	1600	1850
453613	10.5	12	14.5	12.5	14.5	18.5	1450	1650	2000
LED InstantFit T8 - 4 ' 									
433060	12.5	14.5	20	14.5	16.5	22	1300	1500	1900
433268	12.5	14.5	20	14.5	16.5	22	1300	1500	1900
433078	12.5	14.5	20	14.5	16.5	22	1400	1600	2000
433086	12.5	14.5	20	14.5	16.5	22	1450	1650	2100
LED InstantFit T8 - 4 ' High Output									
434860	14	16.5	21	17.5	19	25.5	1800	2000	2700
434878	14	16.5	21	17.5	19	25.5	1800	2000	2700
434886	14	16.5	21	17.5	19	25.5	1900	2100	2800
434894	14	16.5	21	17.5	19	25.5	1950	2150	2900
LED InstantFit T8 - 3' 									
452052	9.5	10.5	13.5	12.5	13	17	1000	1100	1330
452060	9.5	10.5	13.5	12.5	13	17	1050	1160	1400
452078	9.5	10.5	13.5	12.5	13	17	1080	1200	1440
452086	9.5	10.5	13.5	12.5	13	17	1150	1270	1550
LED InstantFit T8 - 2' High Output									
452011	7.5	8.5	10.5	10	11	14.5	860	950	1110
452029	7.5	8.5	10.5	10	11	14.5	900	1000	1170
452037	7.5	8.5	10.5	10	11	14.5	930	1050	1200
452045	7.5	8.5	10.5	10	11	14.5	1000	1100	1290
LED InstantFit T8 U-Bent- 6" High Output									
452664	14	16.5	21	17.5	19	25.5	1800	2000	2700
452672	14	16.5	21	17.5	19	25.5	1800	2000	2700
452680	14	16.5	21	17.5	19	25.5	1900	2100	2800
452698	14	16.5	21	17.5	19	25.5	1950	2150	2900

1. Compatibility subject to change as additional ballasts are tested. If you do not see your ballast on the list, please contact Philips.
2. Must follow guidelines for installation from Philips Quick Installation Guide included with lamp shipment.
3. (2) Lamp F32T8 Electronic Instant Start System with 0.88 Ballast Factor= 58 SystemWatts (2) Philips LED T8 InstantFit = 34 SystemWatts 58 - 34 = 24 SystemWatts Saved 24 / 58 = 41.4% Energy Saved
4. See warranty for terms and conditions.

5. Tested to B50 L70 requirement.
6. Photometric testing consistent with IES LM-79.
 - This lamp is currently in DLC testing.
 - 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
	Lamp Type	System Power (W)*			
Specification	F32T8	31	59	85	112
	InstantFit 14.5 W	16.5	33	49.5	66
	InstantFit 16.5 W	19	38	57	76

* Variance <10%

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