

PHILIPS

LED

InstantFit T8

Electro-magnetic
ballast compatible



Performance you can depend on when you switch T12 to LED

Philips InstantFit LED T8 electro-magnetic compatible lamps are an ideal way to easily upgrade T12 fluorescent fixtures to energy-saving LED.

Benefits

- 50% energy savings v/s F40T12 rapid-start magnetic 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 (36,000 hours³) v/s F40T12 rapid-start lamps (20,000 hrs)
- Can be switched "on/off" frequently
- 3-year limited warranty⁴
- Elegant T8 form factor can upgrade the look of your fixture.
- Light distribution that uniformly illuminates the work surface.
- No Mercury, allowing for non-hazardous waste disposal

Features

- Compatible with a wide range of rapid-start magnetic ballasts designed for T12 fluorescent lamps⁵
- Glass construction in a T8 form factor
- Fits into the existing T12 sockets
- Contains no Mercury
- NSF certified
- Low temperature operation (down to -4 F or -20C)
- Negligible UV radiation (less than 1 uW/lm for wavelengths shorter than 425 nm)
- 240 degree beam angle

Philips InstantFit LED T8 electro-magnetic ballast compatible

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)	LED Lifetime (hrs.) ³	MOL (In.)	Beam Angle
InstantFit LED T8 EM compatible - 4' glass									
46311-7	9290012265	20T12 EM LED/48-4000 IF G	120-277, 347	G13	83	4000	36,000	48	240°
46312-5	9290012266	20T12 EM LED/48-6500 IF G	120-277, 347	G13	83	6500	36,000	48	240°

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 EM compatible - 4' glass							
46311-7	20	20	23	31	1850	2100	2800
46312-5	20	20	23	31	1850	2100	2800

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

- (1) Lamp F40T12 Rapid-Start System = 52 System Watts; (1) Philips LED InstantFit T8 = 26 System Watts; 52 - 26 = 26 System Watts Saved; 26/52 = 50% Energy Saved.
- Please follow the guidelines for installation from Philips 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).
- For more information on Philips' limited warranty please visit www.philips.com/warranties.
- Please refer to www.philips.com/instantfit for the latest ballast compatibility guide.
- Based on photometric testing consistent with IES LM-79.

System wattage of the Philips InstantFit T8 vs a comparable linear T12*

Ballast Model No.	Manufacturer	System Voltage	No. of Lamps	System Power (W) T12 Fluorescent	System Power (W) T8 LED	Energy Savings (%)
R-140-1-TP	Philips - Advance	120	1	52.1	26.1	50.0%
RL-140-TP	Philips - Advance	120	1	32.8	25.6	21.7%
R-2S40-1-TP	Philips - Advance	120	2	88.9	47.1	47.0%
XQM-2S40-TP	Philips - Advance	220	2	95.5	51.9	45.6%
V-2S40-1-TP	Philips - Advance	277	2	90.2	45.3	49.8%
RQM-2S40-3-TP	Philips - Advance	120	2	86.9	46.4	46.6%
R-2S34-TP-5	Philips - Advance	120	2	81.1	41.5	48.8%
V-2S34-TP	Philips - Advance	277	2	79.2	42.6	46.3%
RM-2S35-TP	Philips - Advance	120	2	60.9	41.2	32.4%

* Measured data provided as a reference. System power may vary depending on ballast manufacturer & ballast age. Please refer to www.philips.com/instantfit for the latest ballast compatibility guide.

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 EM compatible - 4' glass												
46311-7	46311-3	46311-8	10	6.26	1.06	360	1	40	9	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4
46312-5	46312-0	46312-5	10	6.26	1.06	360	1	40	9	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4



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