



**PHILIPS**

LED

InstantFit T5 Lamps



# Compatibility and **lower total cost of ownership**

The new Philips InstantFit LED T5 lamps have 100% safe, hassle free installation with a simple lamp-for-lamp replacement. They fit straight into existing T5 luminaires and our 50,000 hour guaranteed lifetime is 43% longer lasting compared to fluorescent with up to 35,000 hours to cut maintenance costs in half. Longer life combined with bare lamp wattage reduction of over 50% leads to a much lower total cost of ownership<sup>1</sup>.

Our InstantFit T5 LED lamps won't flicker or cause glare. They switch on instantly with excellent color consistency and uniform visual appearance. All in all, an attractive energy saving and mercury-free alternative to fluorescent tubes.

## Benefits

- Instant light
- Polycarbonate tubes provide excellent heat management
- UL Listed

## Features

- Excellent light quality
- Plug and play installation with Philips InstantFit technology.
- Wide ballast compatibility
- Less than 3 years pay-back time (Over 45% additional savings compared to a T5 fluorescent HO lamp)
- DLC listed



# Philips LED InstantFit T5 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 <sup>2</sup>	MOL (In.)	Beam Angle
<b>InstantFit LED T5 high output</b>										
● 46712-6	9290012837	24T5 LED/HO/48-3000 IF 10/1	120-277, 347-480V	G5	82	3000	10	50,000	46	160°
● 46713-4	9290012838	24T5 LED/HO/48-3500 IF 10/1	120-277, 347-480V	G5	82	3500	10	50,000	46	160°
● 46714-2	9290012839	24T5 LED/HO/48-4000 IF 10/1	120-277, 347-480V	G5	82	4000	10	50,000	46	160°
● 46715-9	9290012840	24T5 LED/HO/48-5000 IF 10/1	120-277, 347-480V	G5	82	5000	10	50,000	46	160°

## Ballast technical data (Subject to change without notice)

Product No.	Bare Lamp Watts (W)	Average System Watts (W)			Initial Lumens <sup>3</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>InstantFit LED T5 high output</b>							
46712-6	24.0	N/A	28.0	N/A	N/A	3300	N/A
46713-4	24.0	N/A	28.0	N/A	N/A	3300	N/A
46714-2	24.0	N/A	28.0	N/A	N/A	3500	N/A
46715-9	24.0	N/A	28.0	N/A	N/A	3500	N/A

## 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.)
<b>InstantFit LED T5 high output</b>												
46712-6	46712-8	46712-3	10	4.7	0.22	2000	1	100	20	0.0 x 0.0 x 0.0	46.3 x 4.0 x 2.1	47.2 x 40.6 x 47.6
46713-4	46713-5	46713-0	10	4.7	0.22	2000	1	100	20	0.0 x 0.0 x 0.0	46.3 x 4.0 x 2.1	47.2 x 40.6 x 47.6
46714-2	46714-2	46714-7	10	4.7	0.22	2000	1	100	20	0.0 x 0.0 x 0.0	46.3 x 4.0 x 2.1	47.2 x 40.6 x 47.6
46715-9	46715-9	46715-4	10	4.7	0.22	2000	1	100	20	0.0 x 0.0 x 0.0	46.3 x 4.0 x 2.1	47.2 x 40.6 x 47.6

1. TLED rated average life of 50,00 hours compared to Philips T5HO (F54T5/841/HO/ALTO) at 35,000 hours lifetime.
  2. LED lifetime means the length of time (in hours) until half of the length of the LED light sources maintain at least 70% of their initial lumen output (B50, L70). Testing with a ballast whose ballast factor is  $\leq 0.88$
  3. Photometric testing consistent with IES LM-79.
- This lamp is DLC 4.0 qualified.





# Philips LED InstantFit T5 lamps

## T5HO ballasts<sup>5,6</sup>

467126, 467134  
467142, 467159

Manufacturer	Ballast Model	System Certified <sup>4</sup> / Certified <sup>5</sup>
Philips Advance	ICN-2S54-N	System Certified
Philips Advance	ICN-2S54-90C-N	System Certified
Philips Advance	ICN-2S54-T	System Certified
Philips Advance	ICN-2S54-90C-T	System Certified
Philips Advance	ICN-2S54-N(L)	System Certified
Philips Advance	ICN-4S54-90C-2LS-G	System Certified
Philips Advance	HCN-2S54-90C-WL	System Certified
Philips Advance	HCN-4S54-90C-2LS-G	System Certified
General Electric	GE254MVPS-A	Certified
General Electric	GE254MVPS-D	Certified
General Electric	GE454MVPS90-E-S	Certified
General Electric	GE454MVPS90-F	Certified
General Electric	GE454MVPS90-G	Certified
General Electric	GE254MVPS90-A	Certified
Osram Sylvania	QHE 2x54T5HO/UNV PSN	Certified
Osram Sylvania	QHE 2x54T5HO/UNV PSN HT	Certified
Osram Sylvania	QHE 2x54T5HO/UNV PSN(L)	Certified
Osram Sylvania	QTP 2X54T5HO/UNV PSN HT	Certified
Universal Lighting Technologies	B254PUNV-D	Certified
Universal Lighting Technologies	B254PUNVHB-D	Certified
Universal Lighting Technologies	B454PUNV-E	Certified
Universal Lighting Technologies	B454PUNVHB-E	Certified
ESPEN	VE254MVHRP	Certified
ESPEN	VE454MVHRP	Certified
Fulham	RHA-UNV-254-LT5	Certified
Fulham	RHA-UNV-454-LT5	Certified
Keystone Inc.	KTEB-254HO-UV-PS-SL	Certified
Keystone Inc.	KTEB-454HO-UV-TP-PS	Certified
Sunpark	U-2/54T5HO	Certified
MAGG	2x54W LFL T5 AFP	Certified

## Energy saving solution

### Estimated Lighting Costs Using a standard 54W High Output (HO) lamp (on an ICN-2S54-N ballast)

Present Wattage	62	W
× Annual operating hours	4,000	hrs
	=	248,000 Watt-Hours
÷ 1,000	=	248 kWh per year
× kWh rate of \$0.11	=	\$27.28 per year
× 100 lamps	\$2,728.00	annual energy cost per space

### Estimated Lighting Costs Using a Philips 24W InstantFit LED T5 High Output (HO) (on an ICN-2S54-N ballast)

Present Wattage	28	W
× Annual operating hours	4,000	hrs
	=	112,000 Watt-Hours
÷ 1,000	=	112 kWh per year
× kWh rate of \$0.11	=	\$1232.00 per year
× 100 lamps		annual energy cost per space

**Total estimated annual savings<sup>0</sup> \$1,562.00**

<sup>0</sup> Based on 100 lamps per space operating at 4,000 hours per year



4. System performance (Philips InstantFit LED T8 lamps and ballast) has been evaluated by the lamp and ballast manufacturer.

5. System performance (Philips InstantFit LED T8 lamps and ballast) has been evaluated by the lamp manufacturer only.

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