

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

The new Philips InstantFit LED T5 lamps have hassle free installation with a simple lamp-for-lamp replacement. They fit straight into existing T5 luminaires and our 50,000 hour<sup>1</sup> guaranteed lifetime is 43% longer lasting compared to fluorescent with up to 35,000 hours<sup>3</sup> to help cut maintenance costs in half. Longer life combined with bare lamp wattage reduction of over 50% when compared to a 54W T5HO lamp leads to a much lower total cost of ownership.

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
- DLC listed



# Ordering, electrical and technical data (Subject to change without notice)

	Product			Volts (Depending			Color Temp.	Pkg	LED	MOL	Beam
	No.	Model No.	Ordering Code	on Ballast)	Base	CRI	(K)	Qty	Lifetime <sup>1</sup>	(ln.)	Angle
	InstantFit LE	D T5 high output									
•	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)

		Average System Watts (W)				Initial Lumens⁴				
Product	Bare Lamp Watts	Low Ballast	Normal Ballast	High Ballast	Low Ballast	Normal Ballast	High Ballast			
No.	(W)	Factor (0.78)	Factor (0.88)	Factor (1.18)	Factor (0.78)	Factor (0.88)	Factor (1.18)			
InstantFit LED T5 high output										
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)

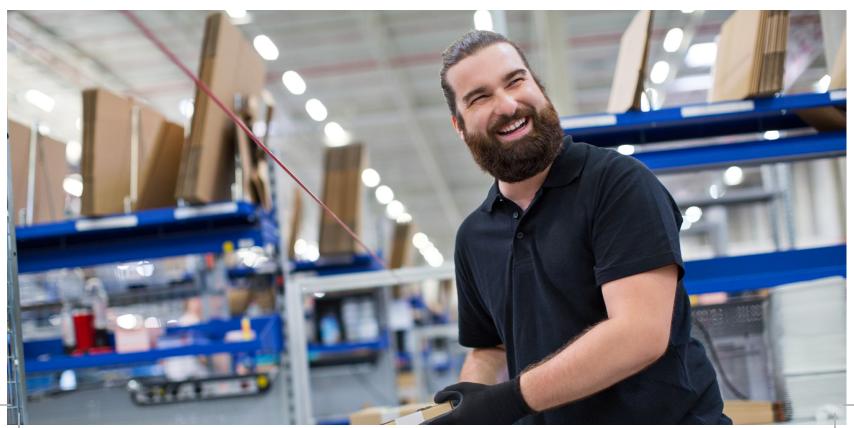
Product	SKU UPC	Outer Bar Code	Case	Case Weight	Case Cube	Pallet	Lamps/	SKUs	Layers	SKU Dimensions	Case Dimensions	Pallet Dimensions
Number			Qty.	(lbs.)	(cu. Ft.)	Qty	SKU	per	High			
	(0-46677)	(5-00-46677)						Layer		(L x W x H) (In.)	(L x W x H) (In.)	(L x W x H) (In.)
InstantFit	InstantFit LED T5 high output											
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. 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

Photometric testing consistent with IES LM-79.

3. Average life under engineering data with lamps turned off and restarted every 12 operating hours. Raged Average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not.

• This lamp is DLC 4.0 qualified.



# Philips LED InstantFit T5 lamps

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

### 467126, 467134 467142, 467159

		407142, 407135				
Manufacturer	Ballast Model	System Certified⁴/ Certified⁵				
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	B254PUNV-D	Certified				
Technologies						
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					
$\timeskWh$ rate of \$0.11 <sup><math>+</math></sup>	=	\$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 <sup>+</sup>	=	\$1232.00	per year
× 100 lamps			annual energy cost
			per space

Total estimated annual savings<sup>()</sup> \$1,562.00

 $\Diamond$  Based on 100 lamps per space operating at 4,000 hours per year.

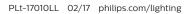
† This example shows energy savings based on \$0.11per kWh, your energy

savings may vary depending on energy costs in your geographic location.

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