



PHILIPS

LED

InstantFit T5 Lamps



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 hour¹ guaranteed lifetime is 43% longer lasting compared to fluorescent with up to 35,000 hours³ 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



Philips LED InstantFit T5 lamps

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

Product No.	Grainger No.	Ordering Code	Volts (Depending on Ballast)	Base	CRI	Color Temp. (K)	Pkg Qty	LED Lifetime ¹	MOL (In.)	Beam Angle
InstantFit LED T5 high output										
● 46712-6	53UG87	24T5 LED/HO/48-3000 IF 10/1	120-277, 347-480V	G5	82	3000	10	50,000	46	160°
● 46713-4	53UG88	24T5 LED/HO/48-3500 IF 10/1	120-277, 347-480V	G5	82	3500	10	50,000	46	160°
● 46714-2	53UG89	24T5 LED/HO/48-4000 IF 10/1	120-277, 347-480V	G5	82	4000	10	50,000	46	160°
● 46715-9	53UG90	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 ⁴		
		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 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 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 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

- 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.
 - 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^{5,6}

467126, 467134
467142, 467159

Manufacturer	Ballast Model	System Certified ⁴ / Certified ⁵
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[‡] \$1,562.00

[‡] Based on 100 lamps per space operating at 4,000 hours per year.

[†] This example shows energy savings based on \$0.11 per kWh, your energy savings may vary depending on energy costs in your geographic location.



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.

For more information, contact your Grainger Representative or visit www.grainger.com

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