



Philips MASTER LEDtube InstantFit T5 integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescents. The Philips MASTER LEDtube InstantFit T5 is the ideal solution for customers who have higher light output requirements and want to maximise value over the lifetime. The full energy savings & longer lifetime result in attractive payback times and TCO benefits.

Benefits

- · Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to 2-3 times longer lifetime than normal fluorescent tubes
- The fastest and easiest way to upgrade existing luminaires to LED technology, with a 100% safe installation process

Features

- · A retrofit replacement for existing T5 lamps on HF ballast installations
- HF compatibility: no wires to replace, no hassle changing drivers; our InstantFit solution works with High Frequency electronic ballasts, making it easy and safe for all installation methods
- Electronic Pin safety: with Philips products you can safely touch the other endcap when installing the tube. The integrated driver is also safely isolated from touchable parts. Philips LED tubes adhere to all UL and IEC pin safety requirements

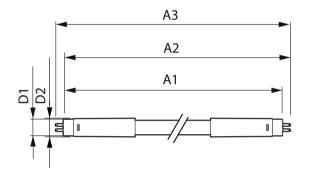
Application

 The ideal solution for demanding applications with a need for extra energy savings: office, school, retail

Versions



Dimensional drawing



Product	D1	D2	A1	A2	А3
Master LEDtube HF 1200mm HE 16.5W 830 T5	15.5 mm	18.8 mm	1149 mm	1156.1 mm	1163.2 mm
Master LEDtube HF 600mm HE 8W 830 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm
Master LEDtube HF 1200mm HE 16.5W 840 T5	15.5 mm	18.8 mm	1149 mm	1156.1 mm	1163.2 mm
Master LEDtube HF 1200mm HE 16.5W 865 T5	15.5 mm	18.8 mm	1149 mm	1156.1 mm	1163.2 mm
Master LEDtube HF 1500mm HE 20W 840 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm
Master LEDtube HF 1500mm UO 36W 840 T5	15.2 mm	21 mm	1447.8 mm	1454.9 mm	1462 mm
Master LEDtube HF 1200mm HO 26W 865 T5	15.2 mm	21 mm	1147.8 mm	1154.9 mm	1162 mm

Controls and Dimming Dimmable No Operating and Electrical Starting Time (Nom) General Information Cap-Base Nominal Lifetime (Nom) Switching Cycle Light Technical Colour Rendering Index (Nom) Llmf At End Of Nominal Lifetime (Nom) Temperature T-Ambient (Max) T-Ambient (Min) T-Storage (Max) 65 °C T-Storage (Min)		
Operating and Electrical Starting Time (Nom) General Information Cap-Base Nominal Lifetime (Nom) Switching Cycle Light Technical Colour Rendering Index (Nom) Llmf At End Of Nominal Lifetime (Nom) Temperature T-Ambient (Max) T-Ambient (Min) T-Storage (Max) O.5 s 0.5 s 0.5 s	Controls and Dimming	
Starting Time (Nom) General Information Cap-Base G5 Nominal Lifetime (Nom) Switching Cycle 50000X Light Technical Colour Rendering Index (Nom) 83 LImf At End Of Nominal Lifetime (Nom) Temperature T-Ambient (Max) T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Dimmable	No
Starting Time (Nom) General Information Cap-Base G5 Nominal Lifetime (Nom) Switching Cycle 50000X Light Technical Colour Rendering Index (Nom) 83 LImf At End Of Nominal Lifetime (Nom) Temperature T-Ambient (Max) T-Ambient (Min) -20 °C T-Storage (Max) 65 °C		
General Information Cap-Base G5 Nominal Lifetime (Nom) 50000 h Switching Cycle 50000X Light Technical Colour Rendering Index (Nom) 83 LImf At End Of Nominal Lifetime 70 % (Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Operating and Electrical	
Cap-Base G5 Nominal Lifetime (Nom) 50000 h Switching Cycle 50000X Light Technical Colour Rendering Index (Nom) 83 Llmf At End Of Nominal Lifetime (Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Starting Time (Nom)	0.5 s
Cap-Base G5 Nominal Lifetime (Nom) 50000 h Switching Cycle 50000X Light Technical Colour Rendering Index (Nom) 83 Llmf At End Of Nominal Lifetime (Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C		
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Switching Cycle 50000X Light Technical Colour Rendering Index (Nom) 83 Llmf At End Of Nominal Lifetime 70 % (Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Cap-Base	G5
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Colour Rendering Index (Nom) 83 LImf At End Of Nominal Lifetime 70 % (Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Switching Cycle	50000X
Colour Rendering Index (Nom) 83 LImf At End Of Nominal Lifetime 70 % (Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C		
Llmf At End Of Nominal Lifetime 70 % (Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Light Technical	
(Nom) Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Colour Rendering Index (Nom)	83
Temperature T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Llmf At End Of Nominal Lifetime	70 %
T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	(Nom)	
T-Ambient (Max) 45 °C T-Ambient (Min) -20 °C T-Storage (Max) 65 °C		
T-Ambient (Min) -20 °C T-Storage (Max) 65 °C	Temperature	
T-Storage (Max) 65 °C	T-Ambient (Max)	45 °C
	T-Ambient (Min)	-20 °C
T-Storage (Min) -40 °C	T-Storage (Max)	65 °C
	T-Storage (Min)	-40 °C

Approval and Application

		Energy Consumption	Energy Efficiency
Order Code	Full Product Name	kWh/1000 h	Label (EEL)
929001338502	Master LEDtube HF 1200mm HO 26W 865	31 kWh	A++
	T5		
929001346202	Master LEDtube HF 1500mm UO 36W 840	42 kWh	A++
	T5		
929001390702	Master LEDtube HF 600mm HE 8W 830 T5	10 kWh	A+
929001391002	Master LEDtube HF 1200mm HE 16.5W 830	20 kWh	A+
	T5		
929001391102	Master LEDtube HF 1200mm HE 16.5W 840	20 kWh	A++
	T5		
929001391202	Master LEDtube HF 1200mm HE 16.5W 865	20 kWh	A++
	T5		
929001391402	Master LEDtube HF 1500mm HE 20W 840	24 kWh	A++
	T5		

Operating and Electrical

			Power
		Voltage	(Rated)
Full Product Name	Input Frequency	(Nom)	(Nom)
Master LEDtube HF	35000-80000 Hz	50-60 V	26 W
1200mm HO 26W 865			
T5			
Master LEDtube HF	40000-75000 Hz	65-75 V	36 W
1500mm UO 36W 840			
T5			
Master LEDtube HF	35000-70000 Hz	40-60 V	8 W
600mm HE 8W 830 T5			
Master LEDtube HF	35000-70000 Hz	90-130 V	16.5 W
1200mm HE 16.5W 830			
T5			
	Master LEDtube HF 1200mm HO 26W 865 T5 Master LEDtube HF 1500mm UO 36W 840 T5 Master LEDtube HF 600mm HE 8W 830 T5 Master LEDtube HF 1200mm HE 16.5W 830	Master LEDtube HF 35000-80000 Hz 1200mm HO 26W 865 T5 Master LEDtube HF 40000-75000 Hz 1500mm UO 36W 840 T5 Master LEDtube HF 35000-70000 Hz 600mm HE 8W 830 T5 Master LEDtube HF 35000-70000 Hz 1200mm HE 16.5W 830	Full Product Name Input Frequency (Nom) Master LEDtube HF 35000-80000 Hz 50-60 V 1200mm HO 26W 865 T5 Master LEDtube HF 40000-75000 Hz 65-75 V 1500mm UO 36W 840 T5 Master LEDtube HF 35000-70000 Hz 40-60 V 600mm HE 8W 830 T5 Master LEDtube HF 35000-70000 Hz 90-130 V 1200mm HE 16.5W 830

			Voltage	Power (Rated)
Order Code	Full Product Name	Input Frequency	(Nom)	(Nom)
929001391102	Master LEDtube HF	35000-70000 Hz	90-130 V	16.5 W
	1200mm HE 16.5W 840			
	T5			
929001391202	Master LEDtube HF	35000-70000 Hz	90-130 V	16.5 W
	1200mm HE 16.5W 865			
	T5			
929001391402	Master LEDtube HF	35000-70000 Hz	120-160 V	20 W
	1500mm HE 20W 840			
	T5			

Light Technical

				Correlated	
		Beam		Colour	
		Angle	Colour	Temperature	Luminous
Order Code	Full Product Name	(Nom)	Code	(Nom)	Flux (Nom)
929001338502	Master LEDtube	160°	865	6500 K	3900 lm
	HF 1200mm HO				
	26W 865 T5				
929001346202	Master LEDtube	160°	840	4000 K	5600 lm
	HF 1500mm UO				
	36W 840 T5				

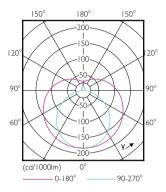
		Beam		Correlated Colour	
		Angle	Colour	Temperature	Luminous
Order Code	Full Product Name	(Nom)	Code	(Nom)	Flux (Nom)
929001390702	Master LEDtube	-	830	3000 K	1000 lm
	HF 600mm HE 8W				
	830 T5				
929001391002	Master LEDtube	-	830	3000 K	2300 lm
	HF 1200mm HE				
	16.5W 830 T5				

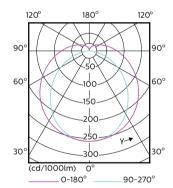
				Correlated	
		Beam		Colour	
		Angle	Colour	Temperature	Luminous
Order Code	Full Product Name	(Nom)	Code	(Nom)	Flux (Nom)
929001391102	Master LEDtube	-	840	4000 K	2500 lm
	HF 1200mm HE				
	16.5W 840 T5				
929001391202	Master LEDtube	-	865	6500 K	2500 lm
	HF 1200mm HE				
	16.5W 865 T5				

				Correlated	
		Beam		Colour	
		Angle	Colour	Temperature	Luminous
Order Code	Full Product Name	(Nom)	Code	(Nom)	Flux (Nom)
929001391402	Master LEDtube	-	840	4000 K	3000 lm
	HF 1500mm HE				
	20W 840 T5				

Temperature

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001338502	Master LEDtube HF 1200mm HO 26W 865 T5	-
929001346202	Master LEDtube HF 1500mm UO 36W 840 T5	-
929001390702	Master LEDtube HF 600mm HE 8W 830 T5	65 °C
929001391002	Master LEDtube HF 1200mm HE 16.5W 830 T5	65 °C
929001391102	Master LEDtube HF 1200mm HE 16.5W 840 T5	65 °C
929001391202	Master LEDtube HF 1200mm HE 16.5W 865 T5	65 °C
929001391402	Master LEDtube HF 1500mm HE 20W 840 T5	65 ℃







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