High Performance LED replacements for conventional T5 lamps

T5

Philips T5 LED tubes offer an affordable, energy saving retrofit solution. The T5 lamps have been engineered to withstand the test of time with a 50,000-hour lifetime and a limited 5-year warranty to back it up. The lighting performance effectively replaces conventional fluorescent T5 HO or T5 HE lamps. Available in either InstantFit (Type A or Type C) or MainsFit (Type B / Ballast bypass), Philips T5 TLEDs provide a variety of options for any application.

Benefits

- Instantly reduces lighting costs
- True T5 size fits conventional applications
- One lamp for both HE and HO applications (2ft/3ft lamps)

Features

- Available in InstantFit plug-and-play (UL Type A) or MainsFit (Type B) Options
- MainsFit T5 (Type B/Ballast Bypass) are double-ended for quick installation
- Easy installation. Retrofit replacement of existing T5 lamps
- 2ft and 3ft InstantFit lamps operate on both HE and HO ballasts

Application

- Industrial & warehouses
- Retail & hospitality
- Parking lots and covered car parks

T5

Versions

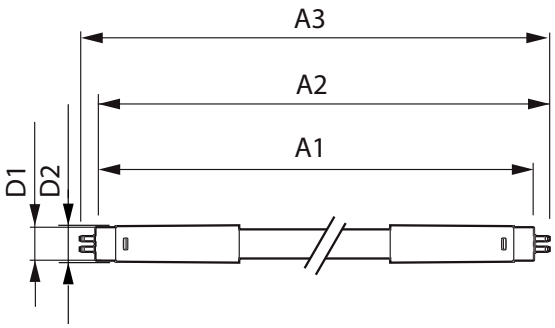
G5

G5 Tube, double-ended Frosted

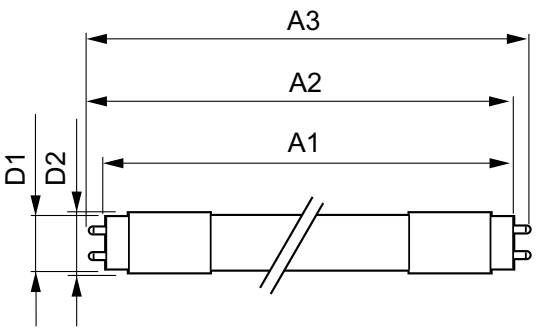
G5 Tube, double-ended Frosted

G5 Tube, double-ended Frosted

Dimensional drawing



Product	D1	D2	A1	A2	A3
25T5HO/COR/46-850/ MF35/G 25/1	15.3 mm	18.2 mm	1149 mm	1154.9 mm	1163.2 mm
25T5HO/COR/46-835/ MF33/G 25/1	15.3 mm	18.2 mm	1149 mm	1154.9 mm	1163.2 mm
25T5HO/COR/46-840/ MF35/G 25/1	15.3 mm	18.2 mm	1149 mm	1154.9 mm	1163.2 mm
14T5HE/COR/46-835/ MF20/G 25/1	15.3 mm	18.2 mm	1149 mm	1154.9 mm	1163.2 mm



Product	D1	D2	A1	A2	A3
11T5HE/34-850/IF15/G/DIM 10/1	15.3 mm	18.4 mm	847.8 mm	854.9 mm	862 mm
14T5HE/46-830/ IF20/G/DIM 10/1	15.3 mm	18.4 mm	1147.8 mm	1154.9 mm	1162 mm
24T5HO/46-840/ IF35/P/DIM 10/1	15.2 mm	17.8 mm	1147.8 mm	1154.9 mm	1162 mm
24T5HO/46-850/ IF35/P/DIM 10/1	15.2 mm	17.8 mm	1147.8 mm	1154.9 mm	1162 mm
24T5HO/46-835/ IF33/P/DIM 10/1	15.2 mm	17.8 mm	1147.8 mm	1154.9 mm	1162 mm
14T5HE/46-840/IF21/G/DIM 10/1	15.3 mm	18.4 mm	1147.8 mm	1154.9 mm	1162 mm
14T5HE/46-835/ IF20/G/DIM 10/1	15.3 mm	18.4 mm	1147.8 mm	1154.9 mm	1162 mm
8T5HE/22-840/IF10/G/DIM 10/1	15.3 mm	18.4 mm	547.8 mm	554.9 mm	562 mm
8T5HE/22-850/IF10/G/DIM 10/1	15.3 mm	18.4 mm	547.8 mm	554.9 mm	562 mm
11T5HE/34-840/IF15/G/DIM 10/1	15.3 mm	18.4 mm	847.8 mm	854.9 mm	862 mm
11T5HE/34-830/IF14/G/DIM 10/1	15.3 mm	18.4 mm	847.8 mm	854.9 mm	862 mm
11T5HE/34-835/IF14/G/DIM 10/1	15.3 mm	18.4 mm	847.8 mm	854.9 mm	862 mm
8T5HE/22-830/IF10/G/DIM 10/1	15.3 mm	18.4 mm	547.8 mm	554.9 mm	562 mm
8T5HE/22-835/IF10/G/DIM 10/1	15.3 mm	18.4 mm	547.8 mm	554.9 mm	562 mm
14T5HE/46-850/IF21/G/DIM 10/1	15.3 mm	18.4 mm	1147.8 mm	1154.9 mm	1162 mm
24T5HO/COR/46-840/ IF35/G/DIM 25/1	15.3 mm	18.4 mm	1147.8 mm	1154.9 mm	1162 mm
24T5HO/COR/46-835/ IF33/G/DIM 25/1	15.3 mm	18.4 mm	1147.8 mm	1154.9 mm	1162 mm
24T5HO/COR/46-850/ IF35/G/DIM 25/1	15.3 mm	18.4 mm	1147.8 mm	1154.9 mm	1162 mm

Operating and electrical	
Starting Time (Nom)	0.5 s
General information	
Cap-Base	G5
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000
Light technical	
Llmf At End Of Nominal Lifetime (Nom)	70 %
Mechanical and housing	
Bulb Finish	Frosted
Bulb Shape	Tube, double-ended
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
467134	24T5HO/46-835/IF33/P/DIM 10/1	- kWh
467142	24T5HO/46-840/IF35/P/DIM 10/1	- kWh
467159	24T5HO/46-850/IF35/P/DIM 10/1	- kWh
476416	8T5HE/22-830/IF10/G/DIM 10/1	- kWh
476424	8T5HE/22-835/IF10/G/DIM 10/1	- kWh
476432	8T5HE/22-840/IF10/G/DIM 10/1	- kWh
476440	8T5HE/22-850/IF10/G/DIM 10/1	- kWh
476457	11T5HE/34-830/IF14/G/DIM 10/1	- kWh
476465	11T5HE/34-835/IF14/G/DIM 10/1	- kWh
476473	11T5HE/34-840/IF15/G/DIM 10/1	- kWh
476481	11T5HE/34-850/IF15/G/DIM 10/1	- kWh
476499	14T5HE/46-830/IF20/G/DIM 10/1	- kWh
476507	14T5HE/46-835/IF20/G/DIM 10/1	- kWh
476515	14T5HE/46-840/IF21/G/DIM 10/1	- kWh
476523	14T5HE/46-850/IF21/G/DIM 10/1	- kWh
576231	25T5HO/COR/46-835/MF33/G 25/1	-
576249	25T5HO/COR/46-840/MF35/G 25/1	-
576256	25T5HO/COR/46-850/MF35/G 25/1	-
576207	14T5HE/COR/46-835/MF20/G 25/1	-
576710	24T5HO/COR/46-835/IF33/G/DIM 25/1	-
576736	24T5HO/COR/46-840/IF35/G/DIM 25/1	-
576744	24T5HO/COR/46-850/IF35/G/DIM 25/1	-

Controls and dimming

Order Code	Full Product Name	Dimmable
467134	24T5HO/46-835/IF33/P/DIM 10/1	Yes
467142	24T5HO/46-840/IF35/P/DIM 10/1	Yes
467159	24T5HO/46-850/IF35/P/DIM 10/1	Yes
476416	8T5HE/22-830/IF10/G/DIM 10/1	Yes
476424	8T5HE/22-835/IF10/G/DIM 10/1	Yes
476432	8T5HE/22-840/IF10/G/DIM 10/1	Yes
476440	8T5HE/22-850/IF10/G/DIM 10/1	Yes
476457	11T5HE/34-830/IF14/G/DIM 10/1	Yes
476465	11T5HE/34-835/IF14/G/DIM 10/1	Yes
476473	11T5HE/34-840/IF15/G/DIM 10/1	Yes
476481	11T5HE/34-850/IF15/G/DIM 10/1	Yes

Order Code	Full Product Name	Dimmable
476499	14T5HE/46-830/IF20/G/DIM 10/1	Yes
476507	14T5HE/46-835/IF20/G/DIM 10/1	Yes
476515	14T5HE/46-840/IF21/G/DIM 10/1	Yes
476523	14T5HE/46-850/IF21/G/DIM 10/1	Yes
576231	25T5HO/COR/46-835/MF33/G 25/1	Limited
576249	25T5HO/COR/46-840/MF35/G 25/1	Limited
576256	25T5HO/COR/46-850/MF35/G 25/1	Limited
576207	14T5HE/COR/46-835/MF20/G 25/1	Limited
576710	24T5HO/COR/46-835/IF33/G/DIM 25/1	Only with specific dimmers
576736	24T5HO/COR/46-840/IF35/G/DIM 25/1	Only with specific dimmers
576744	24T5HO/COR/46-850/IF35/G/DIM 25/1	Only with specific dimmers

Operating and electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)
467134	24T5HO/46-835/IF33/P/DIM 10/1	40000-80000 Hz	39-64 V	54 W	24 W
467142	24T5HO/46-840/IF35/P/DIM 10/1	40000-80000 Hz	39-64 V	54 W	24 W
467159	24T5HO/46-850/IF35/P/DIM 10/1	40000-80000 Hz	39-64 V	54 W	24 W
476416	8T5HE/22-830/IF10/G/DIM 10/1	40000-110000 Hz	40-60 V	14 W	8 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)
476424	8T5HE/22-835/IF10/G/DIM 10/1	40000-110000 Hz	40-60 V	14 W	8 W
476432	8T5HE/22-840/IF10/G/DIM 10/1	40000-110000 Hz	40-60 V	14 W	8 W
476440	8T5HE/22-850/IF10/G/DIM 10/1	40000-110000 Hz	40-60 V	14 W	8 W
476457	11T5HE/34-830/IF14/G/DIM 10/1	40000-110000 Hz	50-80 V	21 W	11 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)
476465	11T5HE/34-835/ IF14/G/DIM 10/1	40000-110000 Hz	50-80 V	21 W	11 W
476473	11T5HE/34-840/ IF15/G/DIM 10/1	40000-110000 Hz	50-80 V	21 W	11 W
476481	11T5HE/34-850/ IF15/G/DIM 10/1	40000-110000 Hz	50-80 V	21 W	11 W
476499	14T5HE/46-830/ IF20/G/DIM 10/1	40000-110000 Hz	70-105 V	28 W	14 W
476507	14T5HE/46-835/ IF20/G/DIM 10/1	40000-110000 Hz	70-105 V	28 W	14 W
476515	14T5HE/46-840/ IF21/G/DIM 10/1	40000-110000 Hz	70-105 V	28 W	14 W
476523	14T5HE/46-850/ IF21/G/DIM 10/1	40000-110000 Hz	70-105 V	28 W	14 W
576231	25T5HO/COR/ 46-835/MF33/G 25/1	50 to 60 Hz	120-277 V	-	25 W
576249	25T5HO/COR/ 46-840/MF35/G 25/1	50 to 60 Hz	120-277 V	-	25 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)
576256	25T5HO/COR/ 46-850/MF35/G 25/1	50 to 60 Hz	120-277 V	-	25 W
576207	14T5HE/COR/ 46-835/MF20/G 25/1	50 to 60 Hz	120-277 V	28 W	14 W
576710	24T5HO/COR/ 46-835/ IF33/G/DIM 25/1	50 to 60 Hz	120-277, 347 V	-	24 W
576736	24T5HO/COR/ 46-840/ IF35/G/DIM 25/1	50 to 60 Hz	120-277, 347 V	-	24 W
576744	24T5HO/COR/ 46-850/ IF35/G/DIM 25/1	50 to 60 Hz	120-277, 347 V	-	24 W

Light technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)
467134	24T5HO/46-835/ IF33/P/DIM 10/1	140 °	835	3500 K	82
467142	24T5HO/46-840/ IF35/P/DIM 10/1	140 °	841	4000 K	82
467159	24T5HO/46-850/ IF35/P/DIM 10/1	140 °	850	5000 K	82
476416	8T5HE/22-830/ IF10/G/DIM 10/1	200 °	830	3000 K	82
476424	8T5HE/22-835/ IF10/G/DIM 10/1	200 °	835	3500 K	82
476432	8T5HE/22-840/ IF10/G/DIM 10/1	200 °	841	4000 K	82
476440	8T5HE/22-850/ IF10/G/DIM 10/1	200 °	850	5000 K	82
476457	11T5HE/34-830/ IF14/G/DIM 10/1	200 °	830	3000 K	82
476465	11T5HE/34-835/ IF14/G/DIM 10/1	200 °	835	3500 K	82
476473	11T5HE/34-840/ IF15/G/DIM 10/1	200 °	841	4000 K	82
476481	11T5HE/34-850/ IF15/G/DIM 10/1	200 °	850	5000 K	82
476499	14T5HE/46-830/ IF20/G/DIM 10/1	200 °	830	3000 K	82

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)
476507	14T5HE/46-835/ IF20/G/DIM 10/1	200 °	835	3500 K	82
476515	14T5HE/46-840/ IF21/G/DIM 10/1	200 °	841	4000 K	82
476523	14T5HE/46-850/ IF21/G/DIM 10/1	200 °	850	5000 K	82
576231	25T5HO/COR/ 46-835/MF33/G 25/1	200 °	835	3500 K	80
576249	25T5HO/COR/ 46-840/MF35/G 25/1	200 °	841	4000 K	80
576256	25T5HO/COR/ 46-850/MF35/G 25/1	200 °	850	5000 K	80
576207	14T5HE/COR/ 46-835/MF20/G 25/1	200 °	835	3500 K	80
576710	24T5HO/COR/ 46-835/IF33/G/DIM 25/1	200 °	835	3500 K	80
576736	24T5HO/COR/ 46-840/IF35/G/DIM 25/1	200 °	841	4000 K	80
576744	24T5HO/COR/ 46-850/IF35/G/DIM 25/1	200 °	850	5000 K	80

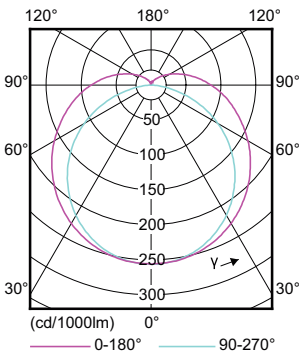
Light technical (2/2)

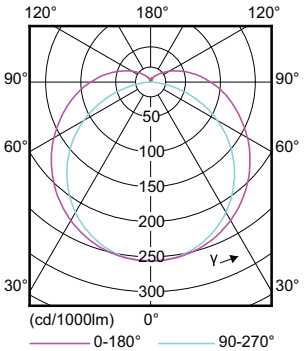
Order Code	Full Product Name	Luminous Flux (Nom)
467134	24T5HO/46-835/IF33/P/DIM 10/1	3300 lm
467142	24T5HO/46-840/IF35/P/DIM 10/1	3500 lm
467159	24T5HO/46-850/IF35/P/DIM 10/1	3500 lm
476416	8T5HE/22-830/IF10/G/DIM 10/1	1000 lm
476424	8T5HE/22-835/IF10/G/DIM 10/1	1000 lm
476432	8T5HE/22-840/IF10/G/DIM 10/1	1050 lm
476440	8T5HE/22-850/IF10/G/DIM 10/1	1050 lm
476457	11T5HE/34-830/IF14/G/DIM 10/1	1400 lm
476465	11T5HE/34-835/IF14/G/DIM 10/1	1400 lm
476473	11T5HE/34-840/IF15/G/DIM 10/1	1500 lm
476481	11T5HE/34-850/IF15/G/DIM 10/1	1500 lm

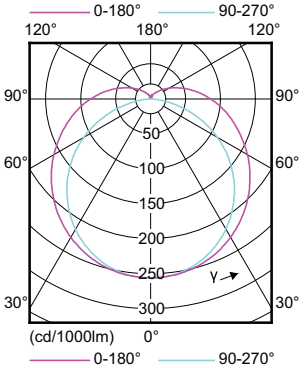
Order Code	Full Product Name	Luminous Flux (Nom)
476499	14T5HE/46-830/IF20/G/DIM 10/1	2000 lm
476507	14T5HE/46-835/IF20/G/DIM 10/1	2000 lm
476515	14T5HE/46-840/IF21/G/DIM 10/1	2100 lm
476523	14T5HE/46-850/IF21/G/DIM 10/1	2100 lm
576231	25T5HO/COR/46-835/MF33/G 25/1	3300 lm
576249	25T5HO/COR/46-840/MF35/G 25/1	3500 lm
576256	25T5HO/COR/46-850/MF35/G 25/1	3500 lm
576207	14T5HE/COR/46-835/MF20/G 25/1	2000 lm
576710	24T5HO/COR/46-835/IF33/G/DIM 25/1	3300 lm
576736	24T5HO/COR/46-840/IF35/G/DIM 25/1	3500 lm
576744	24T5HO/COR/46-850/IF35/G/DIM 25/1	3500 lm

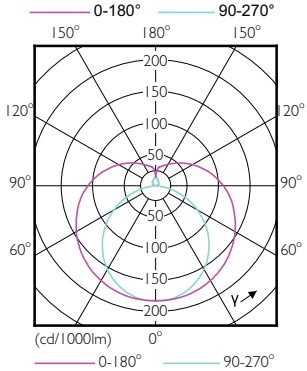
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
467134	24T5HO/46-835/IF33/P/DIM 10/1	45 °C
467142	24T5HO/46-840/IF35/P/DIM 10/1	45 °C
467159	24T5HO/46-850/IF35/P/DIM 10/1	45 °C
476416	8T5HE/22-830/IF10/G/DIM 10/1	70 °C
476424	8T5HE/22-835/IF10/G/DIM 10/1	70 °C
476432	8T5HE/22-840/IF10/G/DIM 10/1	70 °C
476440	8T5HE/22-850/IF10/G/DIM 10/1	70 °C
476457	11T5HE/34-830/IF14/G/DIM 10/1	70 °C
476465	11T5HE/34-835/IF14/G/DIM 10/1	70 °C
476473	11T5HE/34-840/IF15/G/DIM 10/1	70 °C
476481	11T5HE/34-850/IF15/G/DIM 10/1	70 °C
476499	14T5HE/46-830/IF20/G/DIM 10/1	70 °C
476507	14T5HE/46-835/IF20/G/DIM 10/1	70 °C
476515	14T5HE/46-840/IF21/G/DIM 10/1	70 °C
476523	14T5HE/46-850/IF21/G/DIM 10/1	70 °C
576231	25T5HO/COR/46-835/MF33/G 25/1	75 °C
576249	25T5HO/COR/46-840/MF35/G 25/1	75 °C
576256	25T5HO/COR/46-850/MF35/G 25/1	75 °C
576207	14T5HE/COR/46-835/MF20/G 25/1	70 °C
576710	24T5HO/COR/46-835/IF33/G/DIM 25/1	70 °C
576736	24T5HO/COR/46-840/IF35/G/DIM 25/1	70 °C
576744	24T5HO/COR/46-850/IF35/G/DIM 25/1	70 °C

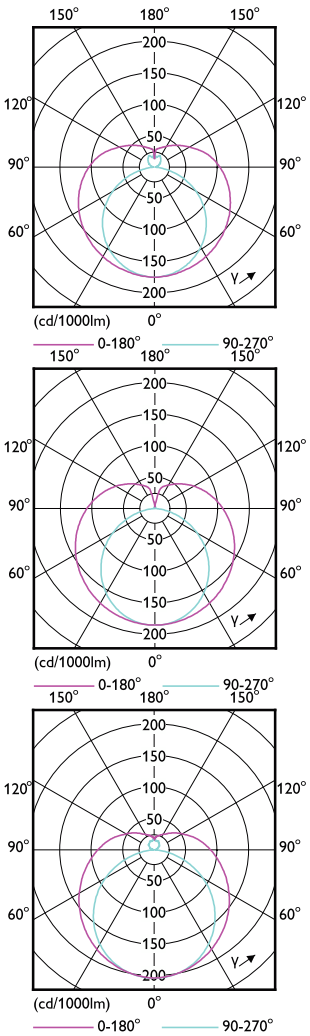


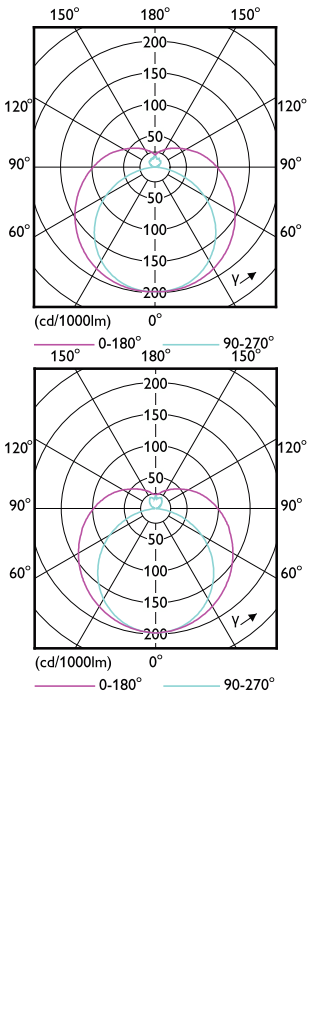






T5





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