



The perfect lamp for contractors and ESCOs alike, Contractor-grade MainsFit (UL Type-B) LED lamp provides an easy solution to upgrade from the traditional fluorescent lamp.

Contractor-grade MainsFit (UL Type-B) T8

The Contractor-grade MainsFit (UL Type B) lamps are designed to provide simple retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp is similar to other UL Type B lamps in the Philips family by providing proven energy savings, long life (50k hours), surge suppression and industry leading safety features. All lamps in the Contractor-grade family are also double-ended to help simplify the installation.

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Benefits

- Choose the light level and energy savings that suit your needs
- Installation simplicity: Can be used with both shunted and un-shunted sockets
- Emergency Capable: Compatible with the new PTB15D emergency driver or the Bodine ELI-S series emergency inverters (up to 15w lamps)

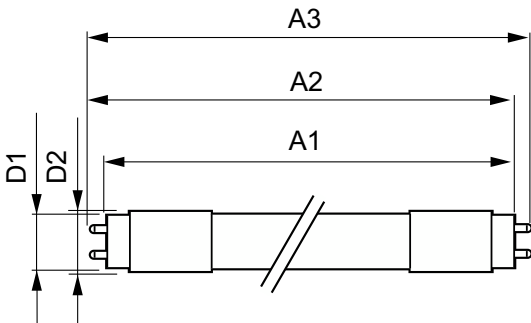
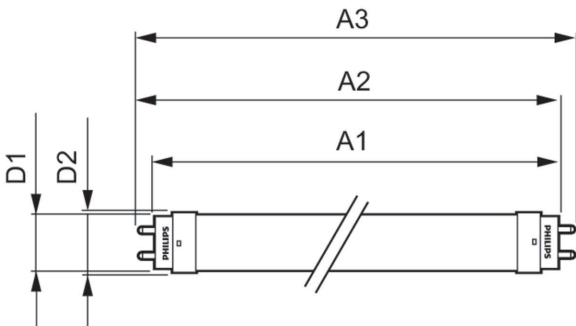
Features

- DLC listed and affordable
- Glass tube with 240° illumination angle
- Available in 4' T8 lamp family, with 2 lumen output options
- Lifetime delivered: Average life rating of 50,000 hours
- 5-year limited warranty (For more information on Philips' limited warranty please visit philips.com/warranties)

Application

- Warehouses
- Schools
- Offices

Dimensional drawing



Product	D1	D2	A1	A2	A3
14.5T8/CNG/48-835/MF17/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					
14.5T8/CNG/48-840/MF18/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					
14.5T8/CNG/48-850/MF18/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					
14.5T8/CNG/48-865/MF18/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					
16.5T8/CNG/48-835/MF20/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					
16.5T8/CNG/48-840/MF21/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					
16.5T8/CNG/48-850/MF21/G	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
25/1					

Product	D1	D2	A1	A2	A3
CNG LEDtube 1200mm 14W 840	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
T8 WV					
CNG LEDtube 1200mm 14W 865	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
T8 WV					
CNG LEDtube 600mm 9W 840	25.7 mm	28 mm	589.8 mm	596.9 mm	604 mm
T8 WV					
CNG LEDtube 600mm 9W 865	25.7 mm	28 mm	589.8 mm	596.9 mm	604 mm
T8 WV					

Contractor-grade MainsFit (UL Type-B) T8

General Information	
Cap-Base	G13
Switching Cycle	50,000
Light Technical	
Beam Angle (Nom)	240 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Shape	T8

General Information

Order Code	Full Product Name	Nominal lifetime
929002000412	CNG LEDtube 600mm 9W 840 T8 WV	25,000 hour(s)
929002000512	CNG LEDtube 600mm 9W 865 T8 WV	25,000 hour(s)
929004601812	CNG LEDtube 1200mm 14W 840 T8 WV	25,000 hour(s)
929004601912	CNG LEDtube 1200mm 14W 865 T8 WV	25,000 hour(s)
929003474504	14.5T8/CNG/48-835/MF17/G 25/1	50,000 hour(s)
929003474604	14.5T8/CNG/48-840/MF18/G 25/1	50,000 hour(s)
929003474704	14.5T8/CNG/48-850/MF18/G 25/1	50,000 hour(s)
929003474804	14.5T8/CNG/48-865/MF18/G 25/1	50,000 hour(s)
929003510604	16.5T8/CNG/48-835/MF20/G 25/1	50,000 hour(s)
929003510704	16.5T8/CNG/48-840/MF21/G 25/1	50,000 hour(s)
929003510804	16.5T8/CNG/48-850/MF21/G 25/1	50,000 hour(s)

Light Technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929002000412	CNG LEDtube 600mm 9W 840 T8 WV	4000 K	840	900 lm
929002000512	CNG LEDtube 600mm 9W 865 T8 WV	6500 K	865	900 lm
929004601812	CNG LEDtube 1200mm 14W 840 T8 WV	4000 K	840	1,600 lm
929004601912	CNG LEDtube 1200mm 14W 865 T8 WV	6500 K	865	1,600 lm
929003474504	14.5T8/CNG/48-835/MF17/G 25/1	3500 K	835	1,750 lm
929003474604	14.5T8/CNG/48-840/MF18/G 25/1	4000 K	840	1,800 lm

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929003474704	14.5T8/CNG/48-850/MF18/G 25/1	5000 K	850	1,800 lm
929003474804	14.5T8/CNG/48-865/MF18/G 25/1	6500 K	865	1,800 lm
929003510604	16.5T8/CNG/48-835/MF20/G 25/1	3500 K	835	2,000 lm
929003510704	16.5T8/CNG/48-840/MF21/G 25/1	4000 K	840	2,100 lm
929003510804	16.5T8/CNG/48-850/MF21/G 25/1	5000 K	850	2,100 lm

Operating and Electrical

Order Code	Full Product Name	Power		Wattage
		Line Frequency	Consumption	Equivalent
929002000412	CNG LEDtube 600mm 9W 840 T8 WV	-	9 W	-
929002000512	CNG LEDtube 600mm 9W 865 T8 WV	-	9 W	-
929004601812	CNG LEDtube 1200mm 14W 840 T8 WV	-	14 W	-
929004601912	CNG LEDtube 1200mm 14W 865 T8 WV	-	14 W	-

Order Code	Full Product Name	Power		Wattage
		Line Frequency	Consumption	Equivalent
929003474504	14.5T8/CNG/48-835/MF17/G 25/1	50 to 60 Hz	14.5 W	32 W
929003474604	14.5T8/CNG/48-840/MF18/G 25/1	50 to 60 Hz	14.5 W	32 W
929003474704	14.5T8/CNG/48-850/MF18/G 25/1	50 to 60 Hz	14.5 W	32 W
929003474804	14.5T8/CNG/48-865/MF18/G 25/1	50 to 60 Hz	14.5 W	32 W

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Order Code	Full Product Name	Line Frequency	Power	Wattage
			Consumption	Equivalent
929003510604	16.5T8/CNG/ 48-835/MF20/G 25/1	50 to 60 Hz	16.5 W	32 W
929003510704	16.5T8/CNG/ 48-840/MF21/G 25/1	50 to 60 Hz	16.5 W	32 W

Order Code	Full Product Name	Line Frequency	Power	Wattage
			Consumption	Equivalent
929003510804	16.5T8/CNG/ 48-850/MF21/G 25/1	50 to 60 Hz	16.5 W	32 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002000412	CNG LEDtube 600mm 9W 840 T8 WV	60 °C
929002000512	CNG LEDtube 600mm 9W 865 T8 WV	60 °C
929004601812	CNG LEDtube 1200mm 14W 840 T8 WV	60 °C
929004601912	CNG LEDtube 1200mm 14W 865 T8 WV	60 °C
929003474504	14.5T8/CNG/48-835/MF17/G 25/1	70 °C
929003474604	14.5T8/CNG/48-840/MF18/G 25/1	70 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003474704	14.5T8/CNG/48-850/MF18/G 25/1	70 °C
929003474804	14.5T8/CNG/48-865/MF18/G 25/1	70 °C
929003510604	16.5T8/CNG/48-835/MF20/G 25/1	70 °C
929003510704	16.5T8/CNG/48-840/MF21/G 25/1	70 °C
929003510804	16.5T8/CNG/48-850/MF21/G 25/1	70 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
929002000412	CNG LEDtube 600mm 9W 840 T8 WV	No
929002000512	CNG LEDtube 600mm 9W 865 T8 WV	No
929004601812	CNG LEDtube 1200mm 14W 840 T8 WV	No
929004601912	CNG LEDtube 1200mm 14W 865 T8 WV	No
929003474504	14.5T8/CNG/48-835/MF17/G 25/1	Limited
929003474604	14.5T8/CNG/48-840/MF18/G 25/1	Limited

Order Code	Full Product Name	Dimmable
929003474704	14.5T8/CNG/48-850/MF18/G 25/1	Limited
929003474804	14.5T8/CNG/48-865/MF18/G 25/1	Limited
929003510604	16.5T8/CNG/48-835/MF20/G 25/1	Limited
929003510704	16.5T8/CNG/48-840/MF21/G 25/1	Limited
929003510804	16.5T8/CNG/48-850/MF21/G 25/1	Limited

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
929002000412	CNG LEDtube 600mm 9W 840 T8 WV	-
929002000512	CNG LEDtube 600mm 9W 865 T8 WV	-
929004601812	CNG LEDtube 1200mm 14W 840 T8 WV	-
929004601912	CNG LEDtube 1200mm 14W 865 T8 WV	-
929003474504	14.5T8/CNG/48-835/MF17/G 25/1	Frosted
929003474604	14.5T8/CNG/48-840/MF18/G 25/1	Frosted

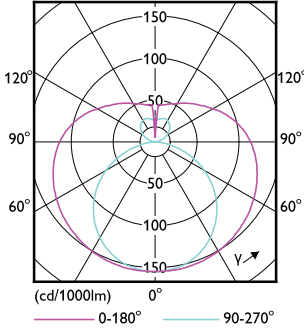
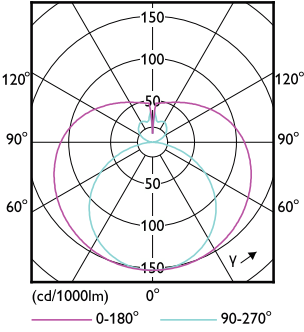
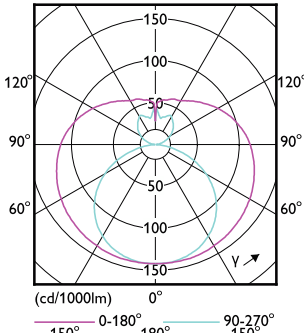
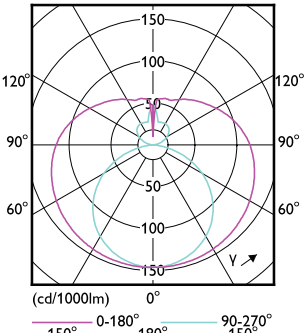
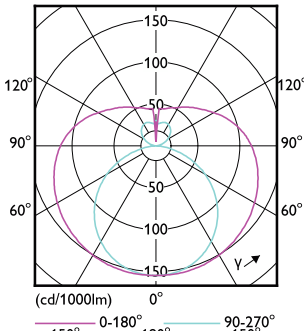
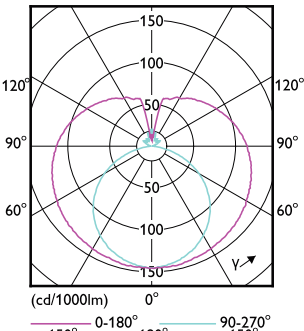
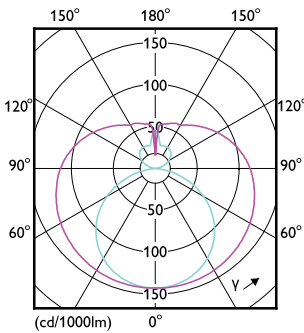
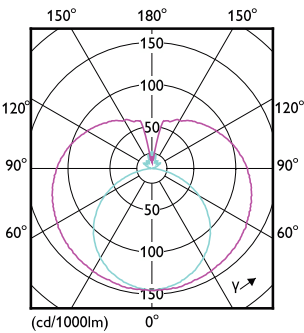
Order Code	Full Product Name	Bulb Finish
929003474704	14.5T8/CNG/48-850/MF18/G 25/1	Frosted
929003474804	14.5T8/CNG/48-865/MF18/G 25/1	Frosted
929003510604	16.5T8/CNG/48-835/MF20/G 25/1	Frosted
929003510704	16.5T8/CNG/48-840/MF21/G 25/1	Frosted
929003510804	16.5T8/CNG/48-850/MF21/G 25/1	Frosted

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929002000412	CNG LEDtube 600mm 9W 840 T8 WV	-20 to +45 °C
929002000512	CNG LEDtube 600mm 9W 865 T8 WV	-20 to +45 °C
929004601812	CNG LEDtube 1200mm 14W 840 T8 WV	-20 to +45 °C
929004601912	CNG LEDtube 1200mm 14W 865 T8 WV	-20 to +45 °C
929003474504	14.5T8/CNG/48-835/MF17/G 25/1	-20 °C to 45 °C
929003474604	14.5T8/CNG/48-840/MF18/G 25/1	-20 °C to 45 °C
929003474704	14.5T8/CNG/48-850/MF18/G 25/1	-20 °C to 45 °C
929003474804	14.5T8/CNG/48-865/MF18/G 25/1	-20 °C to 45 °C
929003510604	16.5T8/CNG/48-835/MF20/G 25/1	-20 °C to 45 °C
929003510704	16.5T8/CNG/48-840/MF21/G 25/1	-20 °C to 45 °C

Order Code	Full Product Name	Ambient temperature range
929003510804	16.5T8/CNG/48-850/MF21/G 25/1	-20 °C to 45 °C

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