

Extra low mercury

T8 Standard

Philips T8 lamps are energy-efficient lighting solutions.

Benefits

- Better for the environment - only 1.7mg of mercury per lamp with ALTO II Technology
- Reduce maintenance costs by extending the relamping cycle

Features

- 95% lumen maintenance and reduced lamp-end blackening
- Available in multiple wattages: 17W, 25W and 32W
- Available in multiple color temperatures: 3000K, 3500K, 4100K, and 5000K

Application

- Ideal for applications requiring maximum maintained light output.

Versions



T8 Standard Products



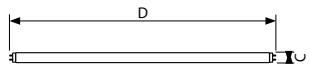
LPPR1 F-T8-ADV G13 GB



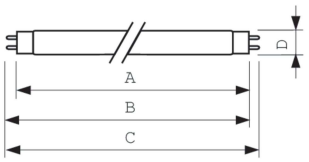
LPPR F-T8-Unv G13 GB

T8 Standard

Dimensional drawing

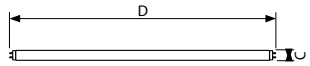


Product
F17T8/TL835/ALTO 30PK
F17T8/TL841/ALTO 30PK
F17T8/TL850 ALTO 30PK
F25T8/TL835/ALTO 30PK
F25T8/TL841/ALTO 30PK
F25T8/TL850 ALTO 30PK
F30T8/CW ALTO 30PK



Product
F32T8/TL840/ALTO 25PK
F32T8/TL850/ALTO 25PK
F32T8/TL865/ALTO 25PK

Product	C (max)	D (max)
F32T8/TL830/ALTO 30PK	1,213.6 mm	27.9 mm
F32T8/TL835/ALTO 30PK	1,213.6 mm	27.9 mm
F32T8/TL841/ALTO 30PK	1,213.6 mm	27.9 mm
F32T8/TL850/ALTO 30PK	1,213.6 mm	27.9 mm
F32T8/TL865/ALTO 30PK	1,213.6 mm	27.9 mm



General Information

Cap-Base	G13

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
927825503311	F30T8/CW ALTO 30PK	-	-	-	Cool White (CW)	4100 K	>60	2,200 lm
927803783005	F32T8/TL830/ALTO 30PK	0 degree(s)	443	408	TL830	3000 K	≥80	2,975 lm
927803783505	F32T8/TL835/ALTO 30PK	0 degree(s)	412	400	TL835	3500 K	≥80	2,975 lm
927803784105	F32T8/TL841/ALTO 30PK	0 degree(s)	383	385	TL841	4100 K	≥80	2,975 lm
927803785005	F32T8/TL850/ALTO 30PK	0 degree(s)	347	362	TL850	5000 K	≥80	2,880 lm
927803786505	F32T8/TL865/ALTO 30PK	0 degree(s)	313	338	TL865	6500 K	≥80	2,875 lm
927850083503	F17T8/TL835/ALTO 30PK	-	-	-	TL835	3500 K	85	1,375 lm

T8 Standard

Order Code	Full Product Name	Beam Angle (Nom)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
927850084102	F17T8/TL841/ALTO 30PK	-	-	-	TL841	4100 K	85	1,375 lm
927851083503	F25T8/TL835/ALTO 30PK	-	-	-	TL835	3500 K	85	2,150 lm
927851084102	F25T8/TL841/ALTO 30PK	-	-	-	TL841	4100 K	85	2,150 lm
927851085002	F25T8/TL850 ALTO 30PK	-	-	-	TL850	5000 K	82	2,100 lm
927850085003	F17T8/TL850 ALTO 30PK	-	-	-	TL850	5000 K	82	1,300 lm
927925484001	F32T8/TL840/ALTO 25PK	-	-	-	TL840	4000 K	80	2,850 lm
927925485001	F32T8/TL850/ALTO 25PK	-	-	-	TL850	5000 K	80	2,850 lm
927925486501	F32T8/TL865/ALTO 25PK	-	-	-	TL865	6500 K	80	2,750 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption	Wattage Equivalent
927825503311	F30T8/CW ALTO 30PK	355 A	99 V	30 W	30 W
927803783005	F32T8/TL830/ ALTO 30PK	265 mA	137 V	32 W	32 W
927803783505	F32T8/TL835/ ALTO 30PK	265 mA	137 V	32 W	32 W
927803784105	F32T8/TL841/ ALTO 30PK	265 mA	137 V	32 W	32 W
927803785005	F32T8/TL850/ ALTO 30PK	265 mA	137 V	32 W	32 W
927803786505	F32T8/TL865/ ALTO 30PK	265 mA	137 V	32 W	32 W
927850083503	F17T8/TL835/ ALTO 30PK	-	-	17 W	-
927850084102	F17T8/TL841/ ALTO 30PK	-	-	17 W	-

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption	Wattage Equivalent
927851083503	F25T8/TL835/ ALTO 30PK	-	-	25 W	-
927851084102	F25T8/TL841/ ALTO 30PK	-	-	25 W	-
927851085002	F25T8/TL850 ALTO 30PK	-	-	25 W	-
927850085003	F17T8/TL850 ALTO 30PK	-	-	17 W	-
927925484001	F32T8/TL840/ ALTO 25PK	-	-	32 W	-
927925485001	F32T8/TL850/ ALTO 25PK	-	-	32 W	-
927925486501	F32T8/TL865/ ALTO 25PK	-	-	32 W	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
927825503311	F30T8/CW ALTO 30PK	-
927803783005	F32T8/TL830/ALTO 30PK	Yes
927803783505	F32T8/TL835/ALTO 30PK	Yes
927803784105	F32T8/TL841/ALTO 30PK	Yes
927803785005	F32T8/TL850/ALTO 30PK	Yes
927803786505	F32T8/TL865/ALTO 30PK	Yes
927850083503	F17T8/TL835/ALTO 30PK	-
927850084102	F17T8/TL841/ALTO 30PK	-

Order Code	Full Product Name	Dimmable
927851083503	F25T8/TL835/ALTO 30PK	-
927851084102	F25T8/TL841/ALTO 30PK	-
927851085002	F25T8/TL850 ALTO 30PK	-
927850085003	F17T8/TL850 ALTO 30PK	-
927925484001	F32T8/TL840/ALTO 25PK	-
927925485001	F32T8/TL850/ALTO 25PK	-
927925486501	F32T8/TL865/ALTO 25PK	-

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
927825503311	F30T8/CW ALTO 30PK	Coated glass	T-8
927803783005	F32T8/TL830/ALTO 30PK	Coated glass	T-8
927803783505	F32T8/TL835/ALTO 30PK	Coated glass	T-8

Order Code	Full Product Name	Bulb Finish	Bulb Shape
927803784105	F32T8/TL841/ALTO 30PK	Coated glass	T-8
927803785005	F32T8/TL850/ALTO 30PK	Coated glass	T-8
927803786505	F32T8/TL865/ALTO 30PK	Coated glass	T-8

T8 Standard

Order Code	Full Product Name	Bulb Finish	Bulb Shape
927850083503	F17T8/TL835/ALTO 30PK	-	T-8
927850084102	F17T8/TL841/ALTO 30PK	-	T-8
927851083503	F25T8/TL835/ALTO 30PK	-	T-8
927851084102	F25T8/TL841/ALTO 30PK	-	T-8
927851085002	F25T8/TL850 ALTO 30PK	-	T-8

Order Code	Full Product Name	Bulb Finish	Bulb Shape
927850085003	F17T8/TL850 ALTO 30PK	-	T-8
927925484001	F32T8/TL840/ALTO 25PK	-	T8
927925485001	F32T8/TL850/ALTO 25PK	-	T8
927925486501	F32T8/TL865/ALTO 25PK	-	T8

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Saving Product	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
927825503311	F30T8/CW ALTO 30PK	-	-	1.9 mg	1.5 mg
927803783005	F32T8/TL830/ ALTO 30PK	32.6 kWh	Energy Saving	1.7 mg	1.7 mg
927803783505	F32T8/TL835/ ALTO 30PK	32.6 kWh	Energy Saving	1.7 mg	1.7 mg
927803784105	F32T8/TL841/ ALTO 30PK	32.6 kWh	Energy Saving	1.7 mg	1.7 mg
927803785005	F32T8/TL850/ ALTO 30PK	32.6 kWh	Energy Saving	1.7 mg	1.7 mg
927803786505	F32T8/TL865/ ALTO 30PK	32.6 kWh	Energy Saving	1.7 mg	1.7 mg
927850083503	F17T8/TL835/ ALTO 30PK	-	Energy Saving	-	1.7 mg
927850084102	F17T8/TL841/ ALTO 30PK	-	Energy Saving	-	1.7 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Saving Product	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
927851083503	F25T8/TL835/ ALTO 30PK	-	Energy Saving	-	1.7 mg
927851084102	F25T8/TL841/ ALTO 30PK	-	Energy Saving	-	1.7 mg
927851085002	F25T8/TL850 ALTO 30PK	-	Energy Saving	-	1.7 mg
927850085003	F17T8/TL850 ALTO 30PK	-	Energy Saving	-	1.7 mg
927925484001	F32T8/TL840/ ALTO 25PK	-	Energy Saving	-	2.0 mg
927925485001	F32T8/TL850/ ALTO 25PK	-	Energy Saving	-	2.0 mg
927925486501	F32T8/TL865/ ALTO 25PK	-	Energy Saving	-	2.0 mg

© 2025 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.