



Outstanding performance and reliability

TuffGuard Coated T8

When you select Philips TuffGuard™ Fluorescent lamp with ALTO® lamp technology, you are reducing the impact on the environment, while the coating helps to protect your customers, employees, and reputation. Philips TuffGuard™ fluorescent lamps meet sustainability requirements because they reduce the impact on the environment with low mercury, energy efficiency and long life. The patented green endcaps mean you're using ALTO low-mercury technology. The 16 mils thick coating on TuffGuard™ fluorescent lamps forms a protective seal from end to end and is guaranteed to last the average rated life of the lamp under specific conditions

Benefits

- Sustainable Lighting Solution - Philips TuffGuard lamps reduce the impact on the environment with low mercury.
- Energy Efficient for a greener, brighter future.
- Long Life to assist with lowering your maintenance costs and reducing waste.

Features

- Keeps broken glass contained
- Coating will not yellow, crack, or flake
- Reduces the impact on the environment: Low mercury, Energy efficient, Long life
- Warranty: Coating Guaranteed to Last the Average Rated Life of the Lamp
- Lighting Required to be Shielded or Otherwise Protected in Food Service and Food Processing Areas
- 15,17,25,30,32,40,48,96 watts with 3000,3500,4100,4200,5000,and 6500, color temperatures

Application

- Ideal for food processing/services, manufacturing, and hospitals.

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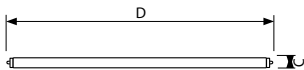
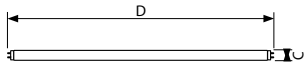
Versions



G13, T8

FA8, T8

Dimensional drawing



Product

F32T8/ADV841 ALTO TG 30PK

Product

F96T8/TL841 PLUS/ALTO TG 25PK

Approval and Application

Energy Saving Product Energy Saving

Light Technical

Correlated Color Temperature (Nom) 4100 K

Color Rendering Index (Nom) 85

Mechanical and Housing

Bulb Shape T8

Approval and Application

TuffGuard Coated T8

Order Code	Full Product Name	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
283390	F32T8/ADV841 ALTO TG 30PK	1.7 mg	24 pg/lm.h

Order Code	Full Product Name	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
409094	F96T8/TL841 PLUS/ALTO TG 25PK	4.4 mg	33 pg/lm.h

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
283390	F32T8/ADV841 ALTO TG 30PK	32 W

Order Code	Full Product Name	Power (Rated) (Nom)
409094	F96T8/TL841 PLUS/ALTO TG 25PK	59 W

General Information

Order Code	Full Product Name	Cap-Base	Life 12-Hr Start [Hrs]	Life 3-Hr Start [Hrs]	Life 12-Hr Instant Start [Hrs]	Life 12-Hr Programstart [Hrs]	Life 3-Hr Instant Start [Hrs]	Life 3-Hr Program Start [Hrs]
283390	F32T8/ADV841 ALTO TG 30PK	G13	-	-	30000 h	36000 h	24000 h	30000 h
409094	F96T8/TL841 PLUS/ALTO TG 25PK	FA8	30000 h	24000 h	-	-	-	-

Light Technical

Order Code	Full Product Name	Color Code	Color Designation	Design	
				Mean Lumens	Luminous Flux (Nom)
283390	F32T8/ADV841 ALTO TG 30PK	Advantage 841	Advantage 841	3000 lm	3100 lm
409094	F96T8/TL841 PLUS/ALTO TG 25PK	TL841	TL841	5490 lm	5900 lm

