



# TuffGuard Coated T8

## F32T8/TL841 PLUS ALTO TG 30PK

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

### Product data

General Information	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]
Life 12-Hr Programstart [Hrs]	44000 h
Life 12-Hr Instant Start [Hrs]	36000 h
Life 3-Hr Program Start [Hrs]	38000 h
Life 3-Hr Instant Start [Hrs]	30000 h
Features	ALTO® Plus
Footnotes Fluorescent/CFL 1	Circle E- The encircled E means this bulb meets Federal minimum efficiency standards.

Light Technical	
Color Code	TL841 [ CCT of 4100K (841)]
Initial lumen (Nom)	2950 lm
Color Designation	TL841
Design Mean Lumens	2800 lm
Correlated Color Temperature (Nom)	4100 K
Color Rendering Index (Nom)	85

Operating and Electrical	
Power (Rated) (Nom)	32 W
Mechanical and Housing	
Cap-Base Information	Green Base
Nominal Length (Inch)	48
Approval and Application	
Energy Saving Product	Energy Saving
Picogram Per Lumen Hour	20 pg/lm.h
Mercury (Hg) Content (Nom)	1.7 mg

Product Data	
Order product name	F32T8/TL841 PLUS ALTO TG 30PK
EAN/UPC - Product	046677283469
Order code	283465
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	30
Material Nr. (12NC)	927852084105

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Net Weight (Piece)	0.001 kg
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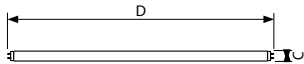
### Warnings and Safety

- All HO lamps recommended for use only in open fixtures.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

### Dimensional drawing

#### Product

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F32T8/841 48 ALTO Plus ES

