PHILIPS

Tuff Guard High CRI T8 Lamps

9302105



Help protect your customers, employees,and reputation

Tuff Guard T8 lamps are designed to contain shattered glass particles in case of accidental breakage. Coated lighting is essential to help ensure the welfare of your customers, employees, and operation.

Benefits

- Reduced impact on the environment without sacrificing performance
- ALTO II means 50% less mercury than the original ALTO T8 lamps
- High Color Rendering Indez

Applications

- Industry
- Food & Retail

Features

- 95% lumen maintenance and reduced lamp-end blackening
- 90 color rendering index
- Only 1.7mg of mercury with ALTO II technology
- Protective coating may reduce initial lumens by 5-7%
- The lamps must be installed and operating in ambient temperatures below 120°F.
- The lamps cannot be used in fixtures employing defective ballasts, ballasts that have been used longer than their rated life or ballasts that are improperly wired.
- The lamps cannot be used in fixtures where poor pin contact occurs.
- Lamp types and ballast types must be compatible (rapid start lamps with rapid start ballast, etc.).
- Lamps are recommended for open fixtures.

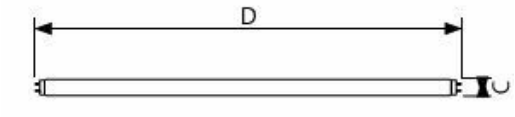
Versions



LPPR1 F-T8-ADV G13 GB

Dimensional drawing

Product	C (max)	D (max)
F32T8/TL941/ALTO TG 30PK	1,213.6 mm	27.9 mm



General Information

Cap-Base	G13 [Medium Bi-Pin Fluorescent]

Light Technical

Beam Angle (Nom)	0 degree(s)
Color Designation	4100 Kelvin
Correlated Color Temperature (Nom)	4100 K
Color rendering index (CRI)	>90

Operating and Electrical

Lamp Current (Nom)	265 mA
Wattage Equivalent	32 W
Voltage (Nom)	137 V

Mechanical and Housing

Bulb Finish	Coated glass
Bulb Shape	T-8

Approval and Application

Mercury (Hg) Content (Nom)	1.7 mg

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