

# Shatter-Resistant 49-Watt T5HO Fluorescent

**safety • selection • support**  
it's all covered by Shat-R-Shield®



## Reduced wattage Extended life No lumen sacrifice

### Outstanding energy savings

- Instantly reduce wattage by 5-watts per lamp over standard 54W T5. Save \$17.50\* in energy costs over the lamp's average rated life (see chart on back).

### Extended life

- 35,000 hours average rated life. Reduce maintenance cost by extending the relamping cycle.

### Better for the environment

- Philips ALTO® lamps feature low mercury. 1.4 mg of mercury is the lowest in the industry.
- TCLP compliant -- reduces the amount of pollutants released into the environment.
- Longer life means fewer lamps to recycle -- reducing impact on the environment.

### Performance

- Range of color temperatures to fit the application.
- High CRI rating.
- Exceptional initial lumens. 95% lumen maintenance.

### Safety

- The clear and tough, skin-tight plastic coating will safely contain virtually all glass, phosphors and mercury if the lamp is accidentally broken. Greatly reduces risk to employees, customers, equipment and product.
- Shat-R-Shield warrants its safety coating on linear fluorescents for the rated life of the lamp used in open or enclosed fixtures (see Warranty on back).

\* Based on wattage savings (5W) x rated average life (35,000 hours) x kWh rate (\$.10)

Philips Alto®

Ideal for Medium and High Bay  
Retail and Industrial Applications



CERTIFIED

Meets FDA, OSHA, ASME, Canadian (CFIA) and Mexican Government Food Safety Regulations

ANSI / NSF 2  
Fabricated Food Service Equipment  
<38EJ>



**shat-r-shield**® INC.  
PLASTIC-COATED, SHATTERPROOF LAMPS & LIGHTING PRODUCTS

**Specifications 49-Watt Energy Saving T5HO Med BiPin**

UPC Catalog Order #	Description	Std. Pkg. Qty.	Nominal Wattage	Nominal Length (In.)	Av. Rated Life * (Hrs.)	Average Initial Lumens	Color Temp. (° Kelvin)	Color CRI
82550	F54T5/830/HO/EA/ALTO 49W	40	49	46	35,000	5000	3000	85
82551	F54T5/835/HO/EA/ALTO 49W	40	49	46	35,000	5000	3500	85
82552	F54T5/841/HO/EA/ALTO 49W	40	49	46	35,000	5000	4100	85
82553	F54T5/850/HO/EA/ALTO 49W	40	49	46	35,000	4850	5000	82

\* Average Rated Life under engineering data with lamps turned off and restarted once every 12 operating hours.  
 Lamps meet US Federal Minimum Efficiency Standards.  
 ALTO<sup>®</sup> is a registered trademark of Philips Lighting Company. Reduced mercury content.  
 Operates on any Programmed Start Ballast

**T5HO lamps safety-coated with PFA do not block ultraviolet (UV) light.**

**Linear Fluorescent Lamp Warranty**

- Lamps can be installed in open or enclosed fixtures.
- Lamps must be installed and operating in ambient temperatures below 150°F for T8 and T12; below 400°F for T5HO lamps.
- 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. 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 ballasts, etc.)
- Shat-R-Shield, Inc. reserves the right to have an employee or agent inspect the fixture, ballast and/or location where a lamp with a failed coating was installed.
- Osram/Sylvania Octron<sup>®</sup> lamps, when used with Osram/Sylvania Quicktronic ballasts, qualify for the Quick60+<sup>®</sup> Warranty. (contact Shat-R-Shield)
- Philips Advantage<sup>®</sup> Plus 90 Protection matches any major manufacturer's "system" warranty and extends it for another 90 days. The Philip's program allows the use of any major brand of lamps (Philips, GE, Osram) that are used now or in the future. Open to all distributors. (contact Shat-R-Shield)



**Safety-Coated Super T8, T5HO and Compact Fluorescent Lamps**

- Energy saving
- Extended life
- Lower wattage
- Reduced mercury

**ENERGY SAVING T5**

**Dollar Savings Over the Life of a 49-Watt Lamp vs 54-Watt Lamp**

kWh Rate	Rated Average Life (hrs.)
	35,000
\$0.06	\$10.50
\$0.08	\$14.00
\$0.10	\$17.50
\$0.12	\$21.00
\$0.14	\$24.50

Meets FDA, OSHA, ASME, CFIA (Canadian Food Inspection Agency) and Mexican Department of Agriculture, Livestock and Rural Development Regulations

