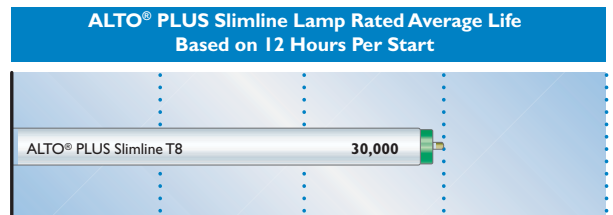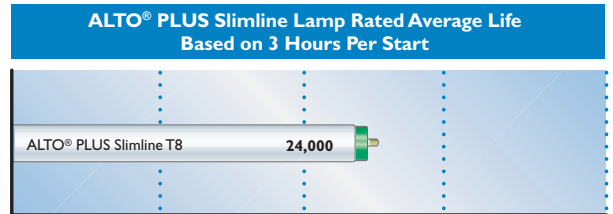## ALT⊙® PLUS Slimline T8 8-Ft. Fluorescent Lamps

ALTO® PLUS Slimline T8 8-Foot Fluorescent Lamps
Long Life, Environmentally-Responsible Lamps.
Ideal for applications where long life is important.

Long Life: Up to 30,000 hours rated average life; 60% more life than standard T8 lamps means reduced maintenance and disposal costs

Environmentally Responsible: Low mercury—TCLP*-compliant; energy efficient; long life

Sustainable Lighting Solution: Less mercury and fewer lamps in landfills, combined with energy efficiency, reduces the impact on the environment

Outstanding Lumen Maintenance: HI-VISION® Phosphor combined with Philips exclusive cathode guard delivers 90% lumen maintenance and reduced lamp-end blackening

Enhanced CRI: 86 CRI for TL80 lamps; 78 CRI for TL70 lamps

ALTO® PLUS Slimline Lamp Rated Average Life Based on 3 Hours Per Start

ALTO® PLUS Slimline T8 — 24,000

ALTO® PLUS Slimline Lamp Rated Average Life Based on 12 Hours Per Start

ALTO® PLUS Slimline T8 — 30,000

| 0 | 10,000 | 20,000 | 30,000 | 40,000 |

Rated Average Life in Hours

ALTO PLUS Slimline T8 Warranty: 24 months

PHILIPS
F96T8/TL830/PLUS/ALTO
LONG LIFE
59 WATT (Hg)
Alt⊙ Collection

Nom. Lamp Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.•	Description	Nom. Length (In.)	Rated Avg. Life, Hrs. 3-Hr. Start (202)	12-Hr. Start (241)	Approx. Initial Lumens (203, 204)	Design Lumens (208)	CRI
ALTO® PLUS Slimline T8 8-Foot Fluorescent Lamps T8 Single Pin; Featuring ALTO® Lamp Technology; Instant Start											
59	38800-9	Ⓔ☐$	**F96T8/TL830/PLUS/ALTO**	24	TL 830, 3000K	96	24,000	30,000	5900	5490	86
	38801-7	Ⓔ☐$	**F96T8/TL835/PLUS/ALTO**	24	TL 835, 3500K	96	24,000	30,000	5900	5490	86
	38802-5	Ⓔ☐$	**F96T8/TL841/PLUS/ALTO**	24	TL 841, 4100K	96	24,000	30,000	5900	5490	86
	38803-3	Ⓔ☐$	**F96T8/TL850/PLUS/ALTO**	24	TL 850, 5000K	96	24,000	30,000	5780	5375	86
	38805-8	Ⓔ☐$	**F96T8/TL735/PLUS/ALTO**	24	TL 735, 3500K	96	24,000	30,000	5700	5190	78
	38806-6	Ⓔ☐$	**F96T8/TL741/PLUS/ALTO**	24	TL 741, 4100K	96	24,000	30,000	5700	5190	78

ALTO PLUS Slimline T8 8-Foot Cost of Ownership Savings

ALTO PLUS Slimline 8-foot T8 Fluorescent Lamps vs. Standard 8-foot T8 Lamps

General Overview
ALTO PLUS Slimline 8-foot T8 fluorescent lamps provide up to 60% longer life than standard 8-foot T8 products. With an incremental cost as little as $1.00 per lamp, benefits and financial impact can be significant.

Benefits
By using ALTO PLUS Slimline 8-foot T8 lamps the lamp replacement and labor costs are extended by an extra 2 years on a facility that operates an average of 4000 hours per year. For example, a standard 8-foot T8 product, with a rated average life expectancy of 15,000 hours, will last nearly 4 years (15,000 hours rated average life/4000 hours per year = 3 3/4 years). Conversely, ALTO PLUS Slimline 8-foot T8 lamps will operate for 6 years due to their rated average life expectancy of 24,000 hours (24,000 hours rated average life/4000 hours per year = 6 years).

Financial Impact
With the extended life expectancy of 2 years and the benefits of Philips' exclusive ALTO TCLP-compliant low mercury technology, the positive financial impact of installing ALTO PLUS Slimline 8-foot T8 lamps will provide cost of ownership savings per lamp as follows:

Incremental Cost	$ (1.00)
Material Cost Avoidance[A]	$ 4.00
Labor Cost Avoidance[B]	$ 3.72
Disposal Cost Avoidance[C]	$ 0.72
Cost of Ownership Savings	**$ 7.44**

A Material Cost Avoidance is the annualized acquisition cost per lamp (average cost per lamp of $7.50 for standard 8-Foot T8 product / 3 3/4 years = $2.00 per year). By installing ALTO PLUS Slimline 8-Foot T8 lamps, a material cost per lamp of $4.00 is avoided due to the extra 2 years of life expectancy. Note that the average cost per lamp may vary.
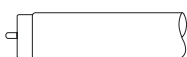
B Labor Cost Avoidance is the annualized labor replacement cost per lamp (labor replacement cost per lamp of $7.00 / 3 years = $1.86 per year). By installing ALTO PLUS Slimline 8-Foot T8 lamps, a labor replacement cost per lamp of $3.72 is avoided due to the extra 2 years life expectancy. Note that the labor replacement cost per lamp may vary.

C Disposal Cost Avoidance is based on an average of $.09 per foot for lamp recycling or $.72 per 8-foot lamp. Philips Lighting Company encourages the recycling of all fluorescent lamps.

Fluorescent symbols and footnotes located on page 77

☐ This product utilizes ALTO® Lamp Technology

*The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure.

T8 Single Pin

B-I-A Vertriebs GmbH / Germany
Email: info@BiaGmbH.com

www.BiaGmbH.com
www.BiaOnline.com

Further items on request. Dimensions mm.
Subject to change without notice.

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