Philips SILHOUETTE™ Series T5 HO Long Life Lamps featuring ALTO® Lamp Technology

Ideal for medium-bay and high-bay retail and industrial applications

SILHOUETTE™ Series



† This lamp is better for the environment because of its reduced mercury content. All Philips ALTO® lamps give you end-of-life options which can simplify and reduce your lamp disposal costs depending on your state and local regulations.

Powerful, ultra-slim lamps

Philips SILHOUETTE™ Series T5 HO Long Life Lamps are environmentally-responsible, ultra-slim and have extraordinary light output and longer life.

Reduced maintenance and disposal costs

- Long life for an extended relamping cycle
- 35,000 hours rated average life*
- Warranty period: 36 months

Increased light output

- Up to 70% more lumens than standard SILHOUETTE Series T5 lamps
- 95% lumen maintenance

Sustainable lighting solution

- Reduces the impact on the environment: low mercury, energy efficiency, long life, and less material
- Only 1.4 mg of mercury, the lowest in the industry
- With just 12 Picograms per lumen hour†, these lamps allow for more design freedom and help exceed all LEED requirements◊

(*, †, ◊ See back page for footnotes)

PHILIPS

sense and simplicity

Philips SILHOUETTE™ Series T5 HO Long Life Lamps featuring ALTO® Lamp Technology

Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Ordering Code	Nom. Watts	Pkg. Qty.	Color Temp. (Kelvin)	Nom. Length (In.)	Rated Average Life (Hrs.)[2] 3-hr Start[3]	12-hr Start[1]	Approx. Initial Lumens[4,5]	Design Lumens[6]	CRI	Lumen Maint.
29019-7	F24T5/830/HO/ALTO	24	40	3000	22	25,000	35,000	2000	1900	85	95%
29020-5	F24T5/835/HO/ALTO	24	40	3500	22	25,000	35,000	2000	1900	85	95%
29021-3	F24T5/841/HO/ALTO	24	40	4100	22	25,000	35,000	2000	1900	85	95%
29022-1	F39T5/830/HO/ALTO	39	40	3000	34	25,000	35,000	3500	3325	85	95%
29023-9	F39T5/835/HO/ALTO	39	40	3500	34	25,000	35,000	3500	3325	85	95%
29025-4	F39T5/841/HO/ALTO	39	40	4100	34	25,000	35,000	3500	3325	85	95%
Ⓔ 29026-2	F54T5/830/HO/ALTO	54	40	3000	46	25,000	35,000	5000	4750	85	95%
Ⓔ 29028-8	F54T5/835/HO/ALTO	54	40	3500	46	25,000	35,000	5000	4750	85	95%
Ⓔ 29083-3	F54T5/841/HO/ALTO	54	40	4100	46	25,000	35,000	5000	4750	85	95%
Ⓔ 13510-3	F54T5/850/HO/ALTO	54	40	5000	46	25,000	35,000	4850	4625	82	95%
Ⓔ 14745-4	F54T5/865/HO/ALTO	54	40	6500	46	25,000	35,000	4750	4500	82	95%
29084-1	F80T5/830/HO/ALTO	80	40	3000	58	25,000	35,000	7000	6650	85	95%
14744-7	F80T5/835/HO/ALTO	80	40	3500	58	25,000	35,000	7000	6650	85	95%
29088-2	F80T5/841/HO/ALTO	80	40	4100	58	25,000	35,000	7000	6650	85	95%

1) Average life under engineering data with lamps turned off and restarted once every 12 operating hours.

2) Rated average life is the length of operation (in hours) at which point an average of 50% of a large sample of lamps will still be operational and 50% will not.

3) Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently.

4) Approximate initial lumens. The lamp lumen output is based upon lamp performance after 100 hours of operating life, when the output is measured during operation on a reference ballast under standard laboratory conditions.

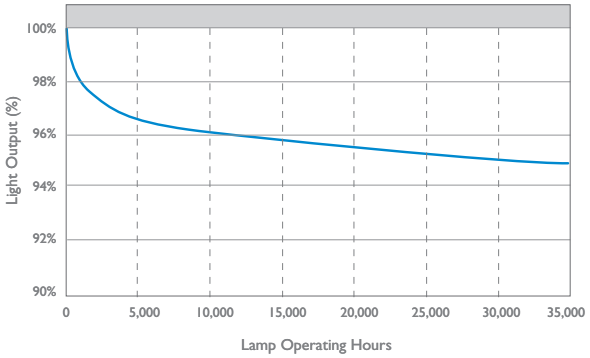
5) For expected lamp lumen output, commercial ballast manufacturers can advise the appropriate ballast factor for each of their ballasts when they are informed of the designated lamp. The ballast factor is a multiplier applied to the designated lamp lumen output.

6) Design lumens are the approximate lamp lumen output at 40% of the lamp's rated average life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions.

Ⓔ Lamp meets US Federal Minimum Efficiency Standards.

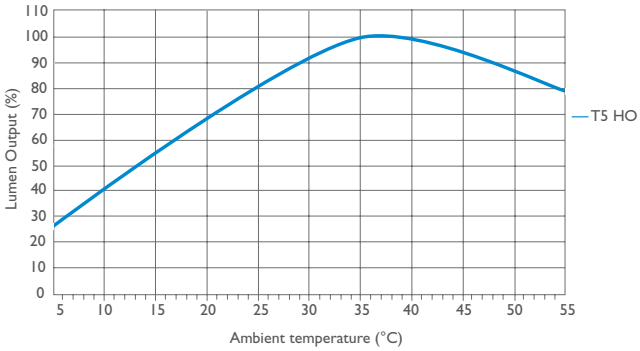
95% Lumen Maintenance

SILHOUETTE™ Series T5 HO Long Life



Lumens vs. Ambient Temperature

SILHOUETTE™ Series T5 HO Long Life



Footnotes from front page:

* Average life under engineering data with lamps turned off and restarted once every 12 operating hours.

† Picogram calculation: mercury content (mg) * 1,000,000,000 / (RAL x design lumens) = picogram per lumen hour

◊ For more information on LEED, please visit www.usgbc.org

© 2009 Philips Lighting Company. All rights reserved.
Printed in USA 2/09

P-5752-D

www. philips.com

Philips Lighting Company
200 Franklin Square Drive
P.O. Box 6800
Somerset, NJ 08875-6800
1-800-555-0050
A Division of Philips Electronics North America Corporation

Philips Lighting
281 Hillmount Road
Markham, Ontario
Canada L6C 2S3
1-800-555-0050
A Division of Philips Electronics Ltd.