USHIO Applying Light to Life®

Ultra 5™ T5 & T5HO Fluorescent

T5 & T5 High Output Linear Fluorescent

The Ushio Ultra 5™ T5 Fluorescent lamps were designed to provide the greatest lumen package in the shortest possible linear tube. Thus, the Ultra 5 series of lamps provides energy efficiency, high color rendition, optical control and improved lumen maintenance in one of the slimmest linear fluorescent lamps on the market today.

Energy Efficiency - A system utilizing Ultra 5 T5 lamps can deliver up to 104 LPW, thus outperforming standard T8 systems (90 LPW) and T12 systems (66 LPW).

High Color Rendition - All Ultra 5 T5 High Efficiency and High Output lamps utilize tri-phosphor coatings for superior color rendering properties. These lamps have an 85 color rendering index.

Optical Control - With a diameter of only 5/8 inches, the reduced surface area has allowed luminaire manufacturers to design low profile luminaires with outstanding optical control. In addition, Ultra 5 T5 lamps work exceptionally in high-bay lighting fixtures where these T5 systems are replacing Metal Halide systems. With little or no strike and restrike time, these lamps can be used on dimmers and sensors and make a logical choice for these retrofit opportunities.

Improved Lumen Maintenance - Through the use of a proprietary phosphor coating which reduces mercury absorption and a special coiled cathode, the Ultra 5 T5 lamp is able to maintain a more stable lumen output over the life of the lamp. Light output of these lamps actually increases as the operating temperature increases. The light output of the T5 lamps peak at 95O° F (35O° C) which makes these lamps especially bright when used in higher heat locations and compact luminaires.

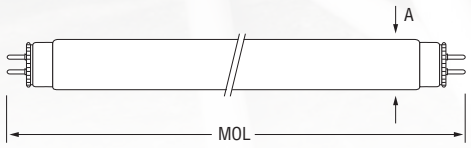
FEATURES & BENEFITS

- Low Profile Light Source - Versatile Slim Design for Better Luminaire Optics and a Wider Variety of Applications
- Energy Efficiency - Up to 104 LPW
- Special Phosphor Coating and Coiled Cathodes - Improves Lumen Stability Over the Life of the Lamp
- High Color Rendering - High Efficiency and High Output T5 Lamps Have an 85 CRI
- High Operating Temperature - Lumens Increase at Hotter Ambient Temperatures
- Instant Start and Restrike Capability - Ideal for Use on Dimming Circuits and Occupancy Sensors
- Environmental Asset - Long Life Prevents the Build Up of Discarded Lamps Which Means Less Waste
- Universal Burn Position

AVAILABLE IN

- High Efficiency (Standard): 14W, 21W, 28W & 35W
- High Output: 24W, 39W & 54W

SPECIFICATIONS



Bi-Pin G5 Base

Sold in Case Quantity Only

Watts (W)	Ordering Code	Lamp Description	Dimensions Dia (A)	Dimensions MOL (mm)	Dimensions MOL (in)	Color Temp (K)	Initial Lumens (lm)	Average Rated Life* (h)	Commercial Life** (h)	Case Qty
		High Efficiency (standard) [1, 2] - 85 CRI								
14	3000377	F14T5/830/22”	0.61	563	22	3000	1350	35000	40000	25
14	3000459	F14T5/835/22”	0.61	563	22	3500	1350	35000	40000	25
14	3000378	F14T5/841/22”	0.61	563	22	4100	1350	35000	40000	25
21	3000380	F21T5/830/34”	0.61	863	34	3000	2100	35000	40000	25
21	3000460	F21T5/835/34”	0.61	863	34	3500	2100	35000	40000	25
21	3000381	F21T5/841/34”	0.61	863	34	4100	2100	35000	40000	25
28	● 3000383	Ⓔ F28T5/830/46”	0.61	1163	46	3000	2900	35000	40000	25
28	● 3000462	Ⓔ F28T5/835/46”	0.61	1163	46	3500	2900	35000	40000	25
28	3000384	Ⓔ F28T5/841/46”	0.61	1163	46	4100	2900	35000	40000	25
28	3000385	Ⓔ F28T5/850/46”	0.61	1163	46	5000	2800	35000	40000	25
35	3000463	F35T5/835/58”	0.61	1463	58	3500	3650	35000	40000	25
35	3000387	F35T5/841/58”	0.61	1463	58	4100	3650	35000	40000	25
		High Output [1, 2] - 85 CRI								
24	3000389	F24T5HO/830/22”	0.61	563	22	3000	2000	35000	40000	25
24	3000461	F24T5HO/835/22”	0.61	563	22	3500	2000	35000	40000	25
24	3000390	F24T5HO/841/22”	0.61	563	22	4100	2000	35000	40000	25
39	3000392	F39T5HO/830/34”	0.61	863	34	3000	3500	35000	40000	25
39	3000464	F39T5HO/835/34”	0.61	863	34	3500	3500	35000	40000	25
39	3000393	F39T5HO/841/34”	0.61	863	34	4100	3500	35000	40000	25
54	● 3000395	Ⓔ F54T5HO/830/46”	0.61	1163	46	3000	5000	35000	40000	25
54	● 3000458	Ⓔ F54T5HO/835/46”	0.61	1163	46	3500	5000	35000	40000	25
54	● 3000396	Ⓔ F54T5HO/841/46”	0.61	1163	46	4100	5000	35000	40000	25
54	● 3000397	Ⓔ F54T5HO/850/46”	0.61	1163	46	5000	4900	35000	40000	25

*Based on ANSI / IESNA standards of 3 hours per start

** Based on estimated commercial operating standards of 12 hours per start

[1] These life ratings are based on operation on rapid start or programmed rapid start ballasts.

[2] When using dimmers, dimming systems, or occupancy sensors, the lamp life will also be affected. The dimming system manufacturer can advise the affect of their system on lamp life.

● TCLP Compliant

Ⓔ = This bulb meets US Federal Minimum Efficiency Standard

Discontinued - For Reference Only

See safety and handling instructions at www.ushio.com.

Hg contains mercury
contient du mercure

Manage in Accord with Disposal Laws
www.lamprecycle.org 1-800-895-8842

⚠ **CALIFORNIA PROPOSITION 65 WARNING:** These products can expose you to Mercury, which is known to the State of California to cause cancer, birth defects, and other reproductive harm. For more information, please go to: www.p65warnings.ca.gov.

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