

# VOLTARC® TUFBEND® and XtraLong® Sign Lamps

TUFBEND® U-Lamps  
(6" & 9" Leg Spacing)

## Lamp Specifications

All dimensions, weights, lumens, watts and hours are nominal

TUFBEND® and U-Bend lamps ending in the suffix "CT" are specifically designed for use in cold temperature applications and will perform satisfactorily on existing ballasts at cold temperatures (< 60°F). They are etched "For Cold Temperature Use Only".

Lamp (2) Designation	Nominal Bent	Actual Bent	Lamp Watts	Rated (4) Life (Hrs)	Lumens(1) Cool White	Mounts		Shipping Weight 6-pack
	Length	Length to Socket				Base	Rod	
FTU9-36T12/HO	18"	15 13/16 "	48	9,000	2,750	FTU9/HO	FTU36	6
FTU9-48T12/HO	24"	21 13/16 "	60	12,000	4,000	FTU9/HO	FTU48	8
FTU9-60T12/HO	30"	27 13/16 "	75	12,000	5,125	FTU9/HO	FTU60	10
FTU9-72T12/HO	36"	33 13/16 "	87	12,000	6,125	FTU9/HO	FTU72	12
FTU9-84T12/HO	42"	39 13/16 "	100	12,000	7,400	FTU9/HO	FTU84	13
FTU9-96T12/HOCT	48"	45 13/16 "	112	12,000	8,720	FTU9/HO	FTU96	15
FTU9-120T12/HO	60"	56 13/16 "	132	12,000	10,650	FTU9/HO	FTU120	18
FTU6-24T12/HO	12"	10 1/2 "	36	9,000	1,600	FTU6/HO	FTU24	4
FTU6-36T12/HO	18"	16 1/2 "	48	9,000	2,750	FTU6/HO	FTU36	5
FTU6-48T12/HO	24"	22 1/2 "	60	12,000	4,000	FTU6/HO	FTU48	7
FTU6-60T12/HO	30"	28 1/2 "	75	12,000	5,125	FTU6/HO	FTU60	9
FTU6-72T12/HO	36"	34 1/2 "	87	12,000	6,125	FTU6/HO	FTU72	11
FTU6-84T12/HO	42"	40 1/2 "	100	12,000	7,400	FTU6/HO	FTU84	12
FTU6-96T12/HOCT	48"	46 1/2 "	112	12,000	8,720	FTU6/HO	FTU96	14
FTU6-120T12/HO	60"	57"	132	12,000	10,650	FTU6/HO	FTU120	16

## XtraLong® Lamp Specifications

All dimensions, weights, lumens, watts and hours are nominal

High Output Lamps,  
9-Foot & 10-Foot

Lamp (3) Designation	Nominal Length	Actual Length	Lamp Watts	Rated (4) Life (Hrs)	Lumens(1) Cool White	Shipping Weight 12-pack
	Include. sockets	Between Sockets				
F108T12/HO	108"	105 3/16"	124	12,000	10,200	24
F117T12/HO	117"	114 3/16"	132	12,000	11,200	26
F12012/HO	120"	117 3/16"	135	12,000	11,500	26

**(1) NORMAL LUMEN RATING:**

Daylight, 83% of Cool White, Sign White, 77% of Cool White.  
Rating are approximate initial lumens at 100 hours

**(2) Ballasts:**

U-Lamp ballasted same as corresponding straight lamps

**(3) Ballasts:**

Ballasts for 1,2,3 or 4 XtraLong straight lamps available from several manufacturers

**(4) RATED LIFE:**

The rated life" of a statistically large group of lamps is defined as the time when 50% of the lamps have failed and 50% have survived. This is based on 3 hours of operation per start

### Voltarc Fluorescent Sign Lamp Limited Warranty

Voltarc warrants its fluorescent sign lamps against defects in material and workmanship, and to operate properly at the time of initial installation in an electrical circuit having the correct characteristics of proper lamp operation. No warranty is made as to useful lamp life nor as to reduction in light output due to any causes.

Voltarc's obligation under this warranty or otherwise expressly limited to replacement of the merchandise involved, or at its option, refund of any amount not to exceed the sales price to its original customer for the merchandise involved, and only when the defects have not been caused by misuse, neglect, improper installation, alteration or accident.

Voltarc may require the return of merchandise claimed as defective for its examination and shall be the sole judge as to whether material is in fact defective under the terms of the warranty.

These alternatives shall be the buyer's exclusive remedies. IN NO CASE WILL VOLTARC BE LIABLE FOR CONSEQUENTIAL DAMAGE EVEN IF VOLTARC HAS BEEN ADVISED OF SUCH DAMAGES.

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