

VOLTARC®

TUFStraight® HO Sign Lamps



Voltarc®'s **Tufstraight** line of HO lamps offers the most complete range of HO lamp sizes available on the market. Used primarily in the commercial display/sign markets and for most freezer/cold box fixtures and back lighting applications.

TUFSTRAIGHT® HO Lamps (15 lamps per carton)

Lamp Specifications

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

Lamp (3) Designation	Maxium Overall Length	BF - BF Length	CW k / CRI	Lumens(1) Cool White	DL k / CRI	Lumens(1) Day Light	SGN 950 k / CRI	Lumens(1) DSN 950	Rated (4) Lamp Watts	Shipping Weight	Case Qty
F18T12/HO	15.91"	15.16"	4100 / 62	1000	6500 / 74	830	5000 / 90	850	28	5	15
F24T12/HO	21.91"	21.16"	4100 / 62	1620	6500 / 74	1400	5000 / 90	1200	35	6	15
F30T12/HO	27.91"	27.16"	4100 / 62	2250	6500 / 74	1868	5000 / 90	1800	43	8	15
F36T12/HO	33.91"	33.16"	4100 / 62	2800	6500 / 74	2350	5000 / 90	2100	50	11	15
F42T12/HO	39.91"	39.16"	4100 / 62	3200	6500 / 74	2900	5000 / 90	2550	58	10	15
F48T12/HO	45.91"	45.16"	4100 / 62	3825	6500 / 74	3400	5000 / 90	3050	63	9	15
F60T12/HO	57.91"	57.16"	4100 / 62	5150	6500 / 74	4400	5000 / 90	3850	75	16	15
F64T12/HO	61.91"	61.16"	4100 / 62	5600	6500 / 74	4750	5000 / 90	4200	76	15	15
F72T12/HO	69.91"	69.16"	4100 / 62	6350	6500 / 74	5350	5000 / 90	4600	100	13	15
F84T12/HO	81.91"	81.16"	4100 / 62	7700	6500 / 74	6500	5000 / 90	5600	100	20	15
F96T12/HO/CT	93.91"	93.16"	4100 / 62	8000	6500 / 74	6600	5000 / 90	6450	113	18	15

(1) NORMAL LUMEN RATING:

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

(3) Ballasts:

Ballasts for 1,2,3 or 4 TUFSTRAIGHT™ 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*

TUFSTRAIGHT® 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 Type	Avg. Rated Life (hrs)
F18T12/HO	9,000
F24T12/HO	
F30T12/HO	
F36T12/HO	
F42T12/HO	
F48T12/HO	12,000
F60T12/HO	
F64T12/HO	
F72T12/HO	
F84T12/HO	
F96T12/HO	

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