

U-Lamps

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Simplified sign construction and tremendous versatility make Voltarc's TUFBEND® U-lamps the sign-maker's choice for high-output, fluorescent U-lamps for exterior signs.

The U-Lamp fluorescent sign lamp is the simple, straightforward solution to the most difficult fluorescent sign lighting applications. It simplifies sign construction using non-rectangular shapes. They require support at only one end and provide just the right amount of light from the opposite bent end.

Voltarc also offers a complete range of mounting hardware. Click right here to learn more about our [Mounting Hardware](#)!

Challenging Sign Applications?

Not a Problem With Voltarc's U-Lamps

Many applications present challenges in sign-making, but you can meet the challenge with high-performing U-lamps. For large letters, our U-lamps give shadowless lighting in curved areas and can be used in combination with straight lamps. For irregular shapes and odd-shaped frames – anything from a large letter "M" to a cowboy hat to a giant cactus – our U-lamp provides precise illumination. These advantages have long made the TUFBEND® U-lamp series the industry standard!



Less Cost Combined With Less Maintenance



Signmakers can cut their labor and material costs up to 50 percent with the tough, heavy wall glass and patented stabilizing brace found in TUFBEND® U-Lamps. They have literally changed the nature of sign design, construction and maintenance. Because the U-lamp does twice the work of similar straight lamps – at far less cost and with less maintenance – sign-makers and service providers have far more design freedom, with

sockets in the same plane and requiring only one raceway, in the process eliminating cross-wiring and providing far more latitude in sign shape and size. Where a sign-maker might need to use two rows of straight lamps, thus causing a pale shadow, U-lamps eliminate this problem and allow for simplified electrical and sheet metal work, with fewer ballasts, sockets and lamps to buy and install. The overall effect is significantly lower sign construction costs.

Odd shapes, protrusions, small areas, corners, angles, curved faces and other hard-to-light areas are no problem with U-lamps. Lamp overlap is not needed to achieve bright, even illumination. And the TUFBEND® U-lamp's bent ends fill space that might otherwise require the installation of straight lamps.

To learn more, take a look at our education and [FAQ section](#) to view basic information about installation, transport and handling of fluorescent sign lamps.

TUFBEND® U-Lamps (6" Leg Spacing)

All TUFBEND® 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".

Cool White Part #	Description	Day Light Part #	Description	DSN50 Part #	Description
13001	FTU6-24T12/CW/H0	13002	FTU6-24T12/D/H0	13003	FTU6-24T12/DSN50/H0
13004	FTU6-36T12/CW/H0	13005	FTU6-36T12/D/H0	13006	FTU6-36T12/DSN50/H0
13007	FTU6-48T12/CW/H0	13008	FTU6-48T12/D/H0	13009	FTU6-48T12/DSN50/H0
13010	FTU6-60T12/CW/H0	13011	FTU6-60T12/D/H0	13012	FTU6-60T12/DSN50/H0
13013	FTU6-72T12/CW/H0	13014	FTU6-72T12/D/H0	13015	FTU6-72T12/DSN50/H0
13016	FTU6-84T12/CW/H0	13017	FTU6-84T12/D/H0	13018	FTU6-84T12/DSN50/H0
13139	FTU6-96T12/CW/H0/CT	13138	FTU6-96T12/D/H0/CT	13021	FTU6-96T12/DSN50/H0/CT
13022	FTU6-120T12/CW/H0	13023	FTU6-120T12/D/H0	13024	FTU6-120T12/DSN50/H0

Lamp ² Designation	Nominal Bent Length	Actual Bent Length to Socket	Lamp Watts	Rated Life ³ (hrs.)	Lumens ¹ Cool White	Base	Mounts Rod	Shipping Weight per Case	Lamps per Case
FTU6-24T12/H0	12"	10 1/2"	36	9,000	1,600	FTU6/H0	FTU24	4	6
FTU6-36T12/H0	18"	16 1/2"	48	9,000	2,750	FTU6/H0	FTU36	6	6
FTU6-48T12/H0	24"	22 1/2"	60	12,000	4,000	FTU6/H0	FTU48	7	6
FTU6-60T12/H0	30"	28 1/2"	75	12,000	5,125	FTU6/H0	FTU60	10	6
FTU6-72T12/H0	36"	34 1/2"	87	12,000	6,125	FTU6/H0	FTU72	11	6
FTU6-84T12/H0	42"	40 1/2"	100	12,000	7,400	FTU6/H0	FTU84	12	6
FTU6-96T12/H0/CT	48"	46 1/2"	112	12,000	8,720	FTU6/H0	FTU96	14	6
FTU6-120T12/H0	60"	57"	132	12,000	10,650	FTU6/H0	FTU120	16	6

¹ Normal Lumen Rating: Daylight, 83% of Cool White, DSN50, 70% of Cool White.

Ratings are approx. initial lumens at 100 hrs.

² Ballasts: U-Lamp ballasted same as corresponding straight lamps.

³ 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.

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TUFBEND® U-Lamps (9” Leg Spacing)

All TUFBEND® 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”.

Cool White Part #	Description	Day Light Part #	Description	DSN50 Part #	Description
13025	FTU9-36T12/CW/H0	13026	FTU9-36T12/D/H0	13027	FTU9-36T12/DSN50/H0
13028	FTU9-48T12/CW/H0	13029	FTU9-48T12/D/H0	13030	FTU9-48T12/DSN50/H0
13031	FTU9-60T12/CW/H0	13032	FTU9-60T12/D/H0	13033	FTU9-60T12/DSN50/H0
13034	FTU9-72T12/CW/H0	13035	FTU9-72T12/D/H0	13036	FTU9-72T12/DSN50/H0
13037	FTU9-84T12/CW/H0	13038	FTU9-84T12/D/H0	13039	FTU9-84T12/DSN50/H0
13141	FTU9-96T12/CW/H0/CT	13140	FTU9-96T12/D/H0/CT	13042	FTU9-96T12/DSN50/H0/CT
13043	FTU9-120T12/CW/H0	13044	FTU9-120T12/D/H0	13045	FTU9-120T12/DSN50/H0

Lamp ² Designation	Nominal Bent Length	Actual Bent Length to Socket	Lamp Watts	Rated ³ Life (hrs.)	Lumens ¹ Cool White	Base	Mounts Rod	Shipping Weight per Case	Lamps per Case
FTU9-36T12/H0	18”	15 13/16”	48	9,000	2,750	FTU9/H0	FTU36	6	6
FTU9-48T12/H0	24”	21 13/16”	60	12,000	4,000	FTU9/H0	FTU48	8	6
FTU9-60T12/H0	30”	27 13/16”	75	12,000	5,125	FTU9/H0	FTU60	10	6
FTU9-72T12/H0	36”	33 13/16”	87	12,000	6,125	FTU9/H0	FTU72	12	6
FTU9-84T12/H0	42”	39 13/16”	100	12,000	7,400	FTU9/H0	FTU84	13	6
FTU9-96T12/H0/CT	48”	45 13/16”	112	12,000	8,720	FTU9/H0	FTU96	15	6
FTU9-120T12/H0	60”	56 13/16”	132	12,000	10,650	FTU9/H0	FTU120	18	6

¹ Normal Lumen Rating: Daylight, 83% of Cool White, DSN50, 70% of Cool White. Ratings are approx. initial lumens at 100 hrs.

² Ballasts: U-Lamp ballasted same as corresponding straight lamps.

³ 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.

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U-Lamps Mounting Hardware

Mounting Voltarc U-lamps is easy and effective with our complete range of high-quality mounting hardware, including simple standard mounts and supports to help with quick and easy installation. We also furnish U-lamp bases complete with sockets and welded bridges to accept U-lamp support rods, which include spring-loaded hooks and assemble easily to the mounting base.

Rods

Spring loaded rods for mounting U-lamps in signs; with 2 cotter pins; 12 per carton

	Part #	Description
	12025	FTU 24", Rod and Hook
	12026	FTU 36", Rod and Hook
	12027	FTU 48", Rod and Hook
	12028	FTU 60", Rod and Hook
	12029	FTU 72", Rod and Hook
	12030	FTU 84", Rod and Hook
	12031	FTU 96", Rod and Hook
	12032	FTU 120", Rod and Hook
	12034	FTU 4 1/2", Rod and Hoo

Closure Plates

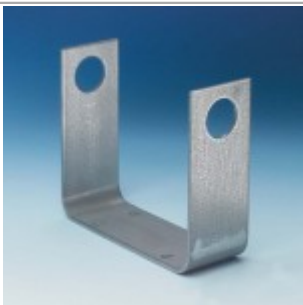
48 per carton

	Part #	Description
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	12022	Closure Plates
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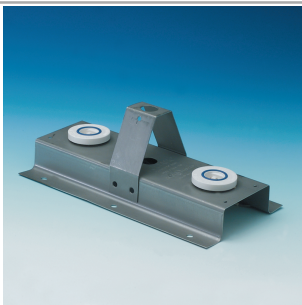
Rod Brackets

24 per carton

	Part #	Description
	12021	Rod Brackets

Bases

12 per carton

	Part #	Description	Standard base
	12014	FTU6/H0	base with 582A lampholder
	12015	FTU9/H0	base with 582A lampholder
	12017	FTU6-120/H0	base with 583 lampholder

	Part #	Description	Tombstone base
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	12019	FTU6-/H0/T	base with 530.6K lampholder
	12020	FTU9-/H0/T	base with 530.6K lampholder
	12018	FTU9-120/H0	base with 583 lampholder

Bridges

Bridge for 6" or 9" U-Lamp; 48 per carton

	Part #	Description
	12023	FTU6 Bridge
	12024	FTU9 Bridge

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