



Replacement or New Construction; A Solution for Every Need

LED provides a superior alternative to fluorescent sources for replacement of existing fixtures or for new construction.

- 2x-5x longer life; virtually maintenance free.
- 35-70% reduction in energy consumption.
- Superior lumen maintenance over life.
- Clean white light for improved aesthetic and visibility.
- Superior shock and vibration resistance to fluorescent.
- Contains no mercury.

The Everline® Vapor Tight is available in a much broader range of lumen outputs than fluorescent. Available 4,411 lm – 21,800 lm models provide equivalency to fluorescent as well as many HID luminaires at high mounting heights.

For a list of DesignLights Consortium™ QPL listed products please visit www.designlights.org/qpl/en/saved/UBU24XJ.

The following table recommends the appropriate Vapor Tight model to replace an existing fluorescent vapor tight luminaire. Additional savings opportunities exist through control options and in regions with higher electric rates and rebate programs.

		4' MODELS						8' MODELS				
Fluorescent Vaportight ¹		2xF32T8	1xF54T5HO	2xF40T12	2xF28T5	2xF48T12HO	2xF54T5HO	Tandem 4xF32T8	2xF98T8	Tandem 4xF48T12HO	2xF96T12HO/EW	Tandem 4xF54T5HO
Delivered Lumens		3,959 lm	4,049 lm	4,112 lm	4,460 lm	4,910 lm	6,340 lm	7,918 lm	8,800 lm	9,820 lm	10,043 lm	12,680 lm
Input power		58.2 W	59.9 W	83.5 W	61.3 W	137.9 W	104.0 W	116.4 W	114.2 W	275.8 W	199.3 W	208.0 W
Luminaire Efficacy		68.0 lm/W	67.6 lm/W	49.2 lm/W	72.8 lm/W	35.6 lm/W	61.0 lm/W	68.0 lm/W	77.1 lm/W	35.6 lm/W	50.4 lm/W	61.0 lm/W
Lamp Life		30,000 Hr.	35,000 Hr.	24,000 Hr.	20,000 Hr.	12,000 Hr.	35,000 Hr.	30,000 Hr.	30,000 Hr.	12,000 Hr.	16,000 Hr.	35,000 Hr.
ANNUAL COST OF OWNERSHIP	Electricity ²	\$25.49	\$26.24	\$36.57	\$26.85	\$60.40	\$45.55	\$50.98	\$50.02	\$120.80	\$87.29	\$91.10
	Peak Demand Charge ⁶	\$10.48	\$10.78	\$15.03	\$11.03	\$24.82	\$18.72	\$20.95	\$20.56	\$49.64	\$35.87	\$37.44
	Relamp Material ³	\$0.48	\$0.60	\$0.65	\$2.84	\$2.61	\$1.20	\$0.96	\$2.09	\$5.23	\$2.34	\$2.40
	Relamp Labor ⁴	\$1.54	\$1.32	\$1.93	\$2.31	\$3.85	\$1.32	\$1.54	\$1.54	\$3.85	\$2.89	\$1.32
	Total	\$37.99	\$38.94	\$54.18	\$43.03	\$91.69	\$66.79	\$74.44	\$74.21	\$179.53	\$128.40	\$132.27
Equivalent Everline LED Model		VTL4-33L				VTL4-5K	VTL8-7K			VTL8-8K	VTL8-12K	
Delivered Lumens		4,411 ⁵				6,099 lm	8,529 lm			10,720 lm	13,280 lm	
Input Power		37.9 W				50.7 W	77.1 W			105.6 W	120.1 W	
Luminaire Efficacy		116.4 lm/W				120.3 lm/W	110.6 lm/W			101.5 lm/W	110.6 lm/W	
Op. Hrs. to 85% Lumens		>60,000 Hr.				>60,000 Hr.	>60,000 Hr.			>60,000 Hr.	>60,000 Hr.	
ANNUAL COST OF OWNERSHIP	Electricity ²	\$16.60				\$22.21	\$33.77			\$46.25	\$33.77	
	Peak of Demand Charge ⁶	\$6.82				\$9.13	\$13.88			\$19.01	\$21.62	
	Relamp Mat'l. & Labor ^{3,4}	\$0.00				\$0.00	\$0.00			\$0.00	\$0.00	
	Total	\$23.42				\$31.33	\$47.65			\$65.26	\$55.39	
Everline VTL Annual Savings		\$14.47	\$15.52	\$30.75	\$19.61	\$68.27	\$35.46	\$26.79	\$26.56	\$131.88	\$63.14	\$76.88

NOTES:

1. Based on typical fluorescent vapor tight luminaires.
 2. Based on 10 Hr./day, 365 day/year operation at \$0.12/KWH
 3. Based on typical retail lamp replacement cost.
 4. Assumes 8 min./fixture re-lamp labor at \$95/Hr.
 5. Vapor tight's increased lumen output over many fluorescent equivalents often allows less fixtures to be used at increased spacing.
 6. Based on \$15/KW monthly peak demand charge.
- F40T12, F48T12HO, & F96T12HO fixtures use magnetic ballasts. All other fluorescent models shown use electronic ballasts.



Illumination Guide

The following table estimates work plane illuminance for Vapor Tight models at various mounting heights and maximum luminaire spacing at which lighting uniformity is maintained.

Mounting Height	Max Spacing	4' MODELS						8' MODELS					
		VTL4-33L	VTL4-40L	VTL4-5K	VTL4-6K	VTL4-8K	VTL4-10K	VTL8-7K	VTL8-8K	VTL8-10K	VTL8-12K	VTL8-16K	VTL8-20K
8'	7'x7'	78 fc	96 fc	107 fc									
10'	9'x9'	47 fc	57 fc	64 fc	77 fc	104 fc		94 fc	114 fc				
12'	12'x12'	24 fc	30 fc	33 fc	39 fc	53 fc	63 fc	48 fc	60 fc	66 fc	78 fc	106 fc	
14'	14'x14'	18 fc	22 fc	25 fc	29 fc	40 fc	47 fc	36 fc	44 fc	50 fc	58 fc	80 fc	94 fc
16'	16'x16'	13 fc	16 fc	18 fc	21 fc	28 fc	33 fc	26 fc	32 fc	36 fc	42 fc	56 fc	66 fc
18'	19'x19'		11 fc	12 fc	14 fc	19 fc	23 fc	18 fc	22 fc	24 fc	28 fc	38 fc	46 fc
20'	21'x21'			12 fc	14 fc	19 fc	22 fc	16 fc	20 fc	24 fc	28 fc	38 fc	44 fc
22'	24'x24'				9 fc	12 fc	14 fc			14 fc	18 fc	24 fc	28 fc
24'	26'x26'					11 fc	13 fc			14 fc	16 fc	22 fc	26 fc
26'	29'x29'						12 fc				14 fc	20 fc	24 fc

Assumes 0.90 light loss factor, 2.5' workplane height above floor, 2' suspension below ceiling, and 50% ceiling, 50% wall, 20% floor reflectances.