

Optilumen RKS Selection and Savings Guide Compared to Fluorescent Bulbs

If Your Fluorescent Fixture Fluorescent is							Choose this Optilumen RKS Retrofit Kit														Estimated Energy Savings			
Fluorescent Fixture & Bulb Specs							Residential Usage (based on 3 hours/day)		Commercial Usage (based on 10 hours/day)		Optilumen RKS Product Specifications							Residential Usage (based on 3 hours/day)		Commercial Usage (based on 10 hours/day)				
Fixture Length	Bulb Watts	Bulb Shape	# of Bulbs	Total Lumens Per fixture ¹	Lumens/Watt ¹	Average Life (Hours)	Average Life (Years)	Estimated yearly energy cost ³	Average Life in Years	Estimated yearly energy cost ³	Model Number	Nominal Power	LED Strip Qty.	# of Kits	Listed Ambient Lumens ²	DLC Reported Lumen/Watt	Average Life (Hours)	Average Life in Years	Estimated yearly energy cost ³	Average Life Use	Estimated yearly energy cost ³	Residential Savings per Year	Commercial Savings per Year	Total Savings over RKS Lifetime
2 ft.	17 W	T8	2	2800	82	30,000	27.4	\$4.10	8.2	\$13.65	RKS2220-X	20W	2 x 21 in.	1	2901	156	200,000	182.5	\$2.41	54.8	\$8.04	\$1.69	\$5.62	\$307.60
2 ft.	17 W	T8	4	5600	82	30,000	27.4	\$8.20	8.2	\$27.31	RKS2220-X	20W	2 x 21 in.	2	5802	156	200,000	182.5	\$4.82	54.8	\$16.07	\$3.38	\$11.24	\$615.20
2 Ft.	20 W	T12	2	2400	60	9,000	8.2	\$4.82	2.5	\$16.05	RKS2220-X	20W	2 x 21 in.	1	2901	156	200,000	182.5	\$2.41	54.8	\$8.04	\$2.41	\$8.02	\$438.88
2 Ft.	20 W	T12	4	4800	60	9,000	8.2	\$9.64	2.5	\$32.10	RKS2220-X	20W	2 x 21 in.	2	5802	156	200,000	182.5	\$4.82	54.8	\$16.07	\$4.82	\$16.03	\$877.77
2 ft.	32 W	U-Bent	2	5200	88	30,000	27.4	\$7.72	8.2	\$25.71	RKS2220-X	20W	2 x 21 in.	2	5802	156	200,000	182.5	\$4.82	54.8	\$16.07	\$2.90	\$9.64	\$527.67
3 ft.	30 W	T8	2	4400	73	7,500	6.8	\$7.24	2.1	\$24.11	RKS2230-X	30 W	2 x 21 in.	1	4324	145	200,000	182.5	\$3.62	54.8	\$12.05	\$3.62	\$12.06	\$660.15
3 ft.	30 W	T12	2	4500	75	18,000	16.4	\$7.24	4.9	\$24.11	RKS2230-X	30 W	2 x 21 in.	1	4324	145	200,000	182.5	\$3.62	54.8	\$12.05	\$3.62	\$12.06	\$660.15
4 ft.	32 W	T8	1	2600	81	20,000	18.3	\$3.86	5.5	\$12.85	RKS1420-X	20 W	1 x 42 in.	1	2848	149	200,000	182.5	\$2.41	54.8	\$8.04	\$1.45	\$4.82	\$263.84
4 ft.	32 W	T8	2	5200	81	20,000	18.3	\$7.72	5.5	\$25.71	RKS2220-X	20W	2 x 21 in.	2	5802	156	200,000	182.5	\$4.82	54.8	\$16.07	\$2.90	\$9.64	\$527.67
4 ft.	32 W	T8	3	7800	81	20,000	18.3	\$11.58	5.5	\$38.56	RKS3450-X	50W	3 x 42 in.	1	6835	145	200,000	182.5	\$6.03	54.8	\$20.09	\$5.55	\$18.47	\$1,011.51
4 ft.	32 W	T8	4	10400	81	20,000	18.3	\$15.44	5.5	\$51.42	RKS3440-X	40 W	2 X 42 in.	2	11662	145	200,000	182.5	\$9.64	54.8	\$32.14	\$5.80	\$19.27	\$1,055.34
4 ft.	40W	T12	1	2600	65	24,000	21.9	\$4.82	6.6	\$16.05	RKS1420-X	20 W	1 x 42 in.	1	2848	149	200,000	182.5	\$2.41	54.8	\$8.04	\$2.41	\$8.02	\$438.88
4 ft.	40W	T12	2	5200	65	24,000	21.9	\$9.64	6.6	\$32.10	RKS2440-X	40 W	2 x 42 in.	1	5831	145	200,000	182.5	\$4.82	54.8	\$16.07	\$4.82	\$16.03	\$877.77
4 ft.	40W	T12	4	10400	65	24,000	21.9	\$19.28	6.6	\$64.20	RKS2440-X	40 W	2 X 42 in.	2	11662	145	200,000	182.5	\$9.64	54.8	\$32.14	\$9.64	\$32.06	\$1,755.53
8 ft	59 W	T8	1	5490	93	30,000	27.4	\$7.11	8.2	\$23.68	RKS2440-X	40 W	2 x 42 in.	1	5831	145	200,000	182.5	\$4.82	54.8	\$16.07	\$2.29	\$7.61	\$416.44
8 ft	59 W	T8	2	10980	93	30,000	27.4	\$14.22	8.2	\$47.35	RKS2440-X	40 W	2 X 42 in.	2	11662	145	200,000	182.5	\$9.64	54.8	\$32.14	\$4.58	\$15.21	\$832.89
8 ft	75 W	T12	1	4500	60	12,000	11.0	\$9.04	3.3	\$30.10	RKS3430-X	30 W	2 x 42 in.	1	4621	152	200,000	182.5	\$3.62	54.8	\$12.05	\$5.42	\$18.05	\$988.36
8 ft	75 W	T12	2	9000	60	12,000	11.0	\$18.08	3.3	\$60.21	RKS3430-X	30 W	2 x 42 in.	2	9242	152	200,000	182.5	\$7.23	54.8	\$24.11	\$10.85	\$36.10	\$1,976.72
8 ft	110W	T12HO	1	8800	80	12,000	11.0	\$13.25	3.3	\$44.12	RKS2450-X	50 W	2 X 42 in.	2	8978	148	200,000	182.5	\$12.05	54.8	\$40.18	\$1.20	\$3.94	\$215.93
8 ft	110W	T12HO	2	17600	80	12,000	11.0	\$26.50	3.3	\$88.24	RKS2450-X	50 W	2 X 42 in.	4	17956	148	200,000	182.5	\$24.11	54.8	\$80.36	\$2.39	\$7.89	\$431.85

¹ Please note that these are sample figures for example purposes only and the actual output can vary.

² Test results verified by UL Verification Services Inc., in accordance with DLC guidelines. Results shown are at 5000K, tested in Linear Ambient luminaire without lens. Lumen output of other CCT and/or different luminaires may have different lumen outputs.

³ Based on 3 hours per day for residential use, 10 hours per day for commercial use and 11c/kWh (cost depend on rates and use)