



VISIONTECH

ELECTRONIC MESSAGE DISPLAYS

INCANDESCENT LAMPS VS. LED TECHNOLOGY COST COMPARISONS

ELECTRICAL COST COMPARISONS

SINGLE-FACE

Display	Matrix	Lamp Type	Individual Watts	Individual Amps	Lamp Count	Total KWH per day	Estimated Cost per day	Estimated Per month	Estimated Per year
Full-size incandescent	7x72	45par38	45	0.375	504	141.09	\$ 9.8763	\$ 296.29	\$ 3,555.47
Large Digit LED	8x72	LEDs	0.25	0.002	9216	14.33	\$ 1.0031	\$ 30.09	\$ 361.12

TWIN-PAK

Display	Matrix	Lamp Type	Individual Watts	Individual Amps	Twin-pak Lamp Count	Total KWH per day	Estimated Cost per day	Estimated Per month	Estimated Per year
Full-size incandescent	7x72	45par38	45	0.375	1008	282.18	\$ 19.7526	\$ 592.58	\$ 7,110.94
Large Digit LED	8x72	LEDs	0.25	0.002	18432	28.67	\$ 2.0069	\$ 60.21	\$ 722.48

LAMP MAINTENANCE COST COMPARISONS

SINGLE-FACE

Display	Matrix	Lamp Type	Cost for each	Approximate Hour rating	Lamp Count	Total Lamp Cost	Estimated labor cost	Times per year	Cost per year
Full-size incandescent	7x72	45par38	\$ 5.60	2,500	504	\$ 2,822.40	\$ 345.00	3.504	\$ 11,098.57
Large Digit LED	8x72	16-LED Cluster	n/a	100,000	9216	n/a	n/a	n/a	n/a

TWIN-PAK

Display	Matrix	Lamp Type	Cost for each	Approximate Hour rating	Lamp Count	Total Lamp Cost	Estimated labor cost	Times per year	Cost per year
Full-size incandescent	7x72	45par38	\$ 5.60	2,500	1008	\$ 5,644.80	\$ 805.00	3.504	\$ 22,600.10
Large Digit LED	8x72	16-LED Cluster	n/a	100,000	18432	n/a	n/a	n/a	n/a

COMBINED COMPARISONS ANALYSIS

SINGLE-FACE

Display	Matrix					Cost over 1-year	Cost over 5-years	Cost over 10-years
Full-size incandescent	7x72					\$ 14,654.04	\$ 73,270.19	\$ 146,540.38
Large Digit LED	8x72					\$ 361.12	\$ 1,805.58	\$ 3,611.16

Total Savings of: \$ 14,292.92 \$ 71,464.61 \$ 142,929.22

TWIN-PAK

Display	Matrix					Cost over 1-year	Cost over 5-years	Cost over 10-years
Full-size incandescent	7x72					\$ 29,711.04	\$ 148,555.18	\$ 297,110.35
Large Digit LED	8x72					\$ 722.48	\$ 3,612.42	\$ 7,224.84

Total Savings of: \$ 28,988.55 \$ 144,942.76 \$ 289,885.51



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