

CATEGORY: LIGHTING PRODUCTS

Tested units as of March 2017

Rate 9.83 (2014-16 Average Rate for ALL Meralco Residential Customers)

BRAND	WATTAGE	DESCRIPTION	EST. ENERGY CONSUMPTION per HOUR (kWh/hr)	EST. COST per HOUR (P/hr)
FIREFLY	3.3	LED, DAYLIGHT	0.0030	0.03
	5	LED, DAYLIGHT	0.0050	0.05
	7	LED, DAYLIGHT	0.0060	0.06
	6	LED, DAYLIGHT	0.0060	0.06
	9	LED, DAYLIGHT	0.0090	0.09
	10	LED, DAYLIGHT	0.0100	0.10
	11	LED, DAYLIGHT	0.0111	0.11
	14	LED, DAYLIGHT	0.0138	0.14
	7	LED, DIMMABLE, WARM WHITE	0.0070	0.07
	12	LED, GLOBE, DAYLIGHT	0.0109	0.11
	14	LED, GLOBE, DAYLIGHT	0.0120	0.12
	16	LED, GLOBE, DAYLIGHT	0.0141	0.14
	20	LED, CAPSULE, DAYLIGHT	0.0188	0.18
	28	LED, CAPSULE, DAYLIGHT	0.0271	0.27
	38	LED, CAPSULE, DAYLIGHT	0.0352	0.35
	45	LED, CAPSULE, DAYLIGHT	0.0461	0.45
	8	LED, STRAIGHT FLUORESCENT TUBE, DAYLIGHT	0.0079	0.08
	16	LED, STRAIGHT FLUORESCENT TUBE, DAYLIGHT	0.0160	0.16
	30	LED, FLOODLIGHT, DAYLIGHT	0.0289	0.28
	50	LED, FLOODLIGHT, DAYLIGHT	0.0447	0.44
	9	LED, STRAIGHT FLUORESCENT TUBE, DAYLIGHT	0.0090	0.09
	18	LED, STRAIGHT FLUORESCENT TUBE, DAYLIGHT	0.0180	0.18
	8	LED, CEILING LAMP, DAYLIGHT	0.0080	0.08
	15	LED, CEILING LAMP, DAYLIGHT	0.0160	0.16
	18	LED, STRAIGHT FLUORESCENT TUBE, COOL WHITE	0.0181	0.18
	9	LED, STRAIGHT FLUORESCENT TUBE, WARM WHITE	0.0100	0.10
	20	LED, CEILING LAMP, DAYLIGHT	0.0191	0.19
	15	LED, CEILING LAMP, DAYLIGHT	0.0160	0.16

BRAND	WATTAGE	DESCRIPTION	EST. ENERGY CONSUMPTION per HOUR (kWh/hr)	EST. COST per HOUR (P/hr)
FIREFLY	9	LED, STRAIGHT FLUORESCENT TUBE, COOL WHITE	0.0100	0.10
	18	LED, STRAIGHT FLUORESCENT TUBE, DAYLIGHT	0.0179	0.18
	18	LED, STRAIGHT FLUORESCENT TUBE, WARM WHITE	0.0180	0.18
	18	LED, STRAIGHT FLUORESCENT TUBE, DAYLIGHT	0.0179	1.74
	9	LED, STRAIGHT FLUORESCENT TUBE, WARM WHITE	0.0100	0.10
	9	LED, STRAIGHT FLUORESCENT TUBE, DAYLIGHT	0.0090	0.09
	7	LED, TUBE & BOX TYPE SET, DAYLIGHT	0.0070	0.07
	16	LED, TUBE & BOX TYPE SET, DAYLIGHT	0.0162	0.16
	18	LED, FLUORESCENT TUBE, COOL WHITE	0.0179	0.18
	20	LED, CEILING LAMP, DAYLIGHT	0.0191	0.19
	11	LED, DOWNLIGHTS, COOL WHITE	0.0100	0.10
	14	LED, DOWNLIGHTS, COOL WHITE	0.0140	0.14
	8	LED, DOWNLIGHTS, WARM WHITE	0.0090	0.09
	6	LED, DOWNLIGHTS, WARM WHITE	0.0060	0.06
	12.9	LED, DOWNLIGHTS, COOL WHITE	0.0140	0.14
	5	LED, DOWNLIGHTS, WARM WHITE	0.0050	0.05
	21.2	LED, DOWNLIGHTS, COOL WHITE	0.0179	0.18
	20	LED, FLOODLIGHT, GREEN	0.0170	0.17
	6	LED, FLOODLIGHT, DAYLIGHT	0.0574	0.56
	40	LED, LUMINAIRE, DAYLIGHT	0.0370	0.36

CATEGORY: LIGHTING PRODUCTS - OTHER UNITS TESTED

Tested units as of March 2017

BRAND	WATTAGE	DESCRIPTION	EST. ENERGY CONSUMPTION per HOUR (kWh/hr)	EST. COST per HOUR (P/hr)
-	5	LED, WARM LIGHT	0.0030	0.03
-	7	LED, COOL DAYLIGHT	0.0032	0.03
-	7	CFL, COOL DAYLIGHT	0.0069	0.07
-	9	LED, COOL DAYLIGHT	0.0044	0.04
-	9	CFL, COOL DAYLIGHT	0.0096	0.09
-	15	CFL, COOL DAYLIGHT	0.0150	0.15
-	18	CFL, COOL DAYLIGHT	0.0193	0.19
-	40	INCANDESCENT	0.0423	0.42
-	50	INCANDESCENT	0.0706	0.69