

Power Consumption Data (kWh) from power meter

2111 Lake Shore Blvd West, Toronto 1 Lamp 32W T8 fluorescent fixture **at Stairwell**

2018-11-12	11:00	472.91kWh	Installed (the meter data is 472.91kWh)
2018-11-20	12:00	479.22kWh	6.31kWh (479.22kWh-472.91kWh)
2018-11-26	12:00	483.93kWh	11.02kWh (483.93kWh-472.91kWh)
2018-12-04	11:00	490.20kWh	17.29kWh (490.20kWh-472.91kWh)
2018-12-18	10:00	501.6kWh	28.25kWh (501.16kWh-472.91kWh)
2019-01-07	12:00	516.83kWh	43.92kWh (516.83kWh-472.91kWh)
2019-01-21	12:00	527.91kWh	55.00kWh (527.91kWh-472.91kWh)
Hydro Cost (1kWh=0.155)		55.00kWh * \$0.155	\$8.53
71 days			0.775kWh/per day

Power Consumption Data (kWh) from power meter

2111 Lake Shore Blvd West, Toronto 1 Lamp GLL T8 LED Tubes with sensor at Stairwell

2018-11-12 11:00	582.34kWh	Installed (the meter data is 582.34kWh)
2018-11-20 12:00	582.92kWh	0.58kWh (582.92kWh-582.34kWh)
2018-11-26 12:00	583.35kWh	1.01kWh (583.35kWh-582.34kWh)
2018-12-04 11:00	583.93kWh	1.59kWh (583.93kWh-582.34kWh)
2018-12-18 10:00	584.96kWh	2.62kWh (584.96kWh-582.34kWh)
2019-01-07 12:00	586.41kWh	4.07kWh (586.41kWh-582.34kWh)
2019-01-21 12:00	587.45kWh	5.11kWh (587.45kWh-582.34kWh)
Hydro Cost (1kWh=0.155)	5.11kWh*\$0.155	\$0.79
71days		0.072 kWh/per day

Conclusion:

The stairwells of 2111 Lake Shore Blvd West is currently operating with light fixtures of one 4-foot T8 32W fluorescent lamp and they are operating 24/7, 365 days a year. On November 12th, 2018, Globe LED Lighting Inc. (GLL) retrofitted one sample fixture of one 4-foot T8 GLL LED tube with built-in motion sensor and installed two power meters to show the different energy consumptions between the existing fluorescent lamp and GLL 4-foot T8 LED tube with built-in motion sensor. After 71 days' examination, the existing light fixture of one 4-foot T8 32W fluorescent lamp consumes 0.775 KWH per day on average. Globe LED Lighting Inc.'s 4-foot T8 LED tube with built-in motion sensor consumes only 0.072 KWH per day on average. Therefore, 90% of energy saving is achieved.

With the huge amount of energy saving, the Board and the property manager decide to give Globe LED Lighting Inc. the opportunity to retrofit the entire building's fluorescent products to GLL LED tubes with built-in motion sensor.