

Xcel Energy Analysis Report

City of Grand Junction - GJ Tiara Rado Golf Clubhouse and Restaurant



Exhibit 8: Lighting Details

Existing Fixture Type	Existing Fixture Wattage (Watts)	Fixture Quantity	Proposed Fixture Type	Proposed Fixture Wattage (Watts)	Annual Op. Hours	kWh Savings	Peak kW Savings	Estimated Energy Cost Savings (\$/yr)	Estimated Incentive (\$)	Estimated Project Cost (\$)	Effective Useful Life (yrs)	Simple Payback (yrs)	
3-lamp 17W T8 2'x2' Troffer	45	10	DLC Qualified LED Replacement Lamp (UL Type B)	23	4,386	987	0.2	154	120	720	10	3.9	
2-lamp 32W T8 4' Strip Fixture Garage Below	59	23	DLC Qualified LED Parking Garage Fixtures	30	4,386	2,976	0.0	112	2,645	7,406	20	42.7	
2-lamp 32W T8 4' Strip Fixture Interior	59	35	DLC Qualified LED Replacement Lamp (UL Type B)	30	4,386	4,529	0.7	705	280	1,680	10	2.0	
2-lamp 110W T12 8' Strip Fixture Outside	258	2	DLC Qualified LED Direct Linear Ambient Luminaires	65	546	211	0.0	8	0	538	20	67.9	
1-lamp 32W T8 4' Strip Fixture	32	41	DLC Qualified LED Replacement Lamp (UL Type B)	16	4,386	2,877	0.4	448	164	984	10	1.8	
Total		111					11,580	1.3	1,427	3,209	11,328	13	5.7