

Xcel Energy Analysis Report

City of Grand Junction - Building D Transportation Engineering



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)
4-lamp 32W T8 4' Strip Fixture	117	11	DLC Qualified LED Replacement Lamp (UL Type B)	59	2,340	1,702	0.4	187	176	1,144	10	5.2
2-lamp 32W T8 2'x4' Troffer	59	24	DLC Qualified LED Replacement Lamp (UL Type B)	30	2,340	1,872	0.5	206	192	1,248	10	5.1
2-lamp 32W T8 4' Lens Wrap	59	2	DLC Qualified LED Replacement Lamp (UL Type B)	30	2,340	156	0.0	17	16	104	10	5.1
1-lamp 23W CFL Canopy	24	2	DLC Qualified LED Four Pin-Based Replacement Lamps	12	4,380	105	0.0	12	0	60	9	5.2
1-lamp 32W CFL Wall Pack	34	5	DLC Qualified LED Four Pin-Based Replacement Lamps	17	4,380	372	0.0	41	0	150	9	3.7
Total		44				4,207	1.0	463	384	2,706	10	5.0