

Calculation of saving for Planika

Old lighting										
Facility	Operating hours per day	Number of days per week	Type of old luminaire	Total output of old luminaire (lamps+ballasts) (W)	Number of old units	Total connected load of old luminaires (kW)		Annual consumption of old lighting system (kWh)	Maintenance costs (lamps/ballasts/work)	Total annual costs
					568	119.28		253,064	EUR 14,700.35	EUR 47,598.73

New lighting										
Facility	Operating hours per day	Number of days per week	Type of new luminaire	Total output of new luminaire (lamps+electronics) (W)	Number of new luminaires	Total connected load of Reflecta luminaires (kW)	% of saving with sensor control	Annual consumption of Reflecta lighting system (kWh)	Maintenance cost for Reflecta (lamps/work)	Total annual costs for Reflecta
					195	45.045		66,897	EUR 1,026.16	EUR 9,722.80

Calculations						
OLD LIGHTING SYSTEM kWh per year	REFLECTA kWh per year	SAVING kWh per year	SAVING % kWh	INVESTMENT PAY BACK PERIOD IN	CO ₂ saving in kg	Lighting Intensity Improvement
253,064.45	66,897.23	186,167.22	74%	2 Years	80,051.90	60%