



Calculation of saving for Henkel

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
						25.04		218,714	EUR 4,166.82	EUR 25,426.75

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
						22.842		199,548	EUR 536.76	EUR 20,111.52

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
218,714.50	199,547.71	19,166.78	10%			500%