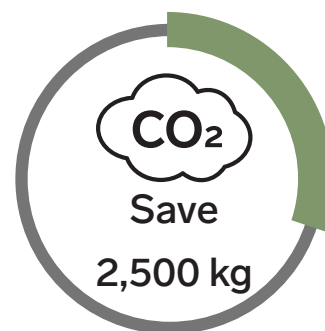


# LIGHT EFFICIENCY: WORKING EXAMPLE



Wheel loader



1,600 Working hrs/year



20 pcs with 4,000 eLM



Diesel



400 Working hrs in  
darkness/year



10 yrs Lifetime

	1010 XP-9	1010 ECO PWR	Difference
<b>1 Year of use</b>	50 W	32 W	
Electricity use:	400kWh	256 kWh	-144 kWh
Diesel used for the lights	266 liter	170 liter	-96 liter
Fuel cost	€399	€255	-€144
CO <sub>2</sub> emission	694 kg	444 kg	-250 kg
<b>10 years of use</b>			
Fuel cost	€3,990	€2,550	-€1,440
CO <sub>2</sub> emission	6,940 kg	4,440 kg	-2,500 kg

## Calculations specification:

1 l diesel ≈ 1,5 kWh electricity  
 1 l diesel emit ≈ 2,6 kg/CO<sub>2</sub>  
 Fuel cost = €1,50/liter