

[FUNCTIONALITY SHEET]

Solution: ASCOM teleCARE IP

Reduced power consumption
Reduced CO ₂ emission
Better return on investments
Responsible corporate behavior



ASCOM teleCARE IP CHANGING CURE AND CARE ENVIRONMENTS – INSIDE AND OUT

Now, more than ever, businesses are turning their attention to their environmental impact: with greenhouse gases and the depletion of natural resources in focus, solutions that reduce power consumption and improve reliability are key to global corporate sustainability and social responsibility.

Ascom is well-equipped and experienced (ISO 14001) to help its care and cure customers reduce their negative environmental impact, with products and services that improve operational efficiency and efficacy.

Greener nurse call

In nearly all care and cure environments, nurse call systems must be operational 24 hours-a-day, 7 days-a-week; therefore, systems that offer reduced power consumption are vital.

The Ascom solution for increasing operational efficiency and reducing power consumption is teleCARE IP.

A smaller footprint

In terms of environmental impact, reduced power consumption leads to reduced greenhouse gas emission. According to PE International AG and LBP University of Stuttgart, every kilowatt hour (KWh) of power consumed in the world power grid releases 0.700kg of CO₂.

Therefore, for every KWh saved, CO₂ emission is reduced – CO₂ is the major component associated with greenhouse gases and global warming.

In a typical department consisting of twenty-four rooms, teleCARE IP demonstrates an impressive 83% reduction in energy consumption. In terms of reduced CO₂ emission, teleCARE IP saves 0.5 ton of CO₂e per year (see back for calculations).

In addition to saving power, teleCARE IP LEDs last longer than normal incandescent lamps, which helps eliminate reduce overall system-related costs, but also associated waste.

[PRODUCT SHEET: ASCOM teleCARE IP]

Power saving teleCARE IP			
Description	Variable	Conventional system power consumption	teleCARE IP power consumption
		Power	Power
Number of rooms	24	86,4	16,3
Power of the lamps in Watt	5	7,4	
How many lamps are on during a 8h day shift (average value)	5	37,0	3,4
How many lamps are on, duringa 8h evening shift (average value)	2	14,8	1,4
How many lamps are on, during a 8h night (average value)	1	7,4	0,7
Total power consumption per day	kW/h	2,5	0,4
Cost for electricity in kWh	€ 0,21		
Cost per year		€ 195,24	€ 33,36
Cost over system lifetime	15	€ 2 928,64	€ 500,37
Savings in percentage			83%
CO2e calculations			
0.700kg/CO2e/KWh per day		1,78304	0,30464
CO2e/KWh per year		650,8096	111,1936
Difference (savings) in kg per year			539,616
Difference (savings) in metric ton per year			0,539616

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