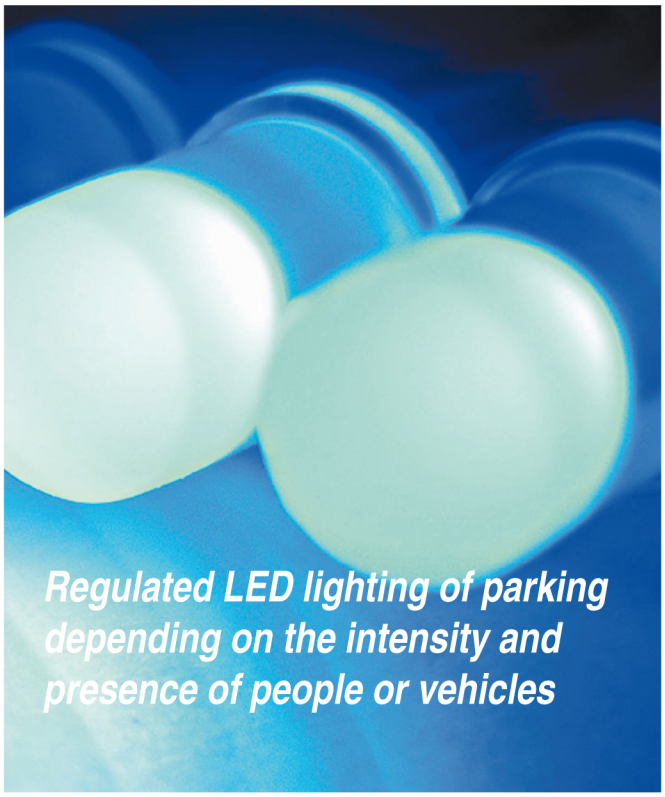
INTELLIGENT LED LIGHTING SYSTEM: LED-PARK

CIRCONTROL has developed various Global Efficiency Solutions with the goal of providing operators with the tools they require to achieve optimum EFFICIENCY AND SAVINGS in their car park facilities.
CIRCONTROL solutions enable operators to maximise their profits from the operation of the car park, while increasing customer loyalty and improving their reputation, since they have the facilities with the highest added value in the market.

LED LIGHTING (INTELLIGENT CAR PARK LIGHTING MANAGEMENT):
• New LED lighting concept, integrated with the Car Park Guidance System, with the purpose of designing a car park that offers its users a more pleasant environment, based on the concept of **COMFORT** and leading to increased **customer loyalty**.

• Installation of LED lighting systems to achieve **energy savings of over 65%** compared to facilities using fluorescent lighting systems.

• **Efficient management of the car park's lighting systems**, according to occupation or the flow of vehicles, **integration with the CIRPARK System**, intelligent switching and regulation, according to the flow of vehicles, occupation and flow of customers.



• **Reduction of installation costs.** Installation system compatible with the CIRPARK system. The two systems can be installed in a single action, and both systems can be written off together.

• **Installation costs written off in three years**, with a reduction in electricity and maintenance bills. One 20W fluorescent lamp per parking space 1,000 lumens – One 3W LED per parking space, 800 lumens. Three LEDs per parking space provide much more light with lower consumption.

• **Lower maintenance costs**, since the useful life of LEDs is 10 times longer than that of fluorescent lamps. Larger investment, lower maintenance costs.

LIGHTING MODULES

TYPE	CODE	DESCRIPTION
BL-PARK 	460601	**LED lamp module,** adjustable 4 W consumption, with support for anchoring the element to the CIRPARK channel and built-in refrigeration plate. Connection via cable with connector.
DL-PARK 	460602	**Power driver for controlling the LED lighting system.** Management capacity, 3 to 4 BL-PARK. Connection input for four BL-PARK and for the connection with CL-PARK.

CONTROL EQUIPMENT: LED-PARK

TYPE	CODE	DESCRIPTION
CL-PARK 	460604	**Header control,** used for regulation via 0 - 10 V voltage power control, with RS485 output, for control with the CIRPARK software. One module per F.A.
TCP2RS+ 	310029	**Industrial RS-485 to TCP-IP Ethernet communication converter.** RS-232/RS-485 opto-isolated port. Input power: 230 V AC. Consumption: 2 VA. DIN rail.
PSC-480-48 	460603	**Switched power supply.** Input power: 230 V AC. Output voltage: 48 V DC. Power: 480 W. DIN rail. Power supply for 30 parking spaces.
PSC-40-48 	460224	**Switched power supply.** Input power: 230 V AC. Output voltage: 48 V DC. Power: 40 W. DIN rail.
PK-SAI-LED 	460612	**UPS Module Super Long Life Ni-MH (nickel-metal hydride).** Rated voltage: 43.2 V, in permanent charge voltage: 52.5 V. Permanent load capacity for 1 hour: 400W. Communication with SCADA Software for Battery status knowledge. Extended Temperature Range.