

# Petrol PLAZA

## Case study CEPSA - Innovative under canopy LED lighting: excellent quality, high energy savings. Mini300 LED projector of Philips Lighting



Mr Santiago Ruiz Martin, CEPSA service station network manager: *"We have undertaken the renovation of the exterior lighting of 49 service stations in The Canary Islands. We entrusted Philips to provide a reliable, innovative solution with energy savings of more than 50%. The Mini300 LED solution completely satisfies our expectations."*

### Background

CEPSA, an integrated energy company with more than 12,000 employees, is involved in every stage of the oil value chain. It is engaged in petroleum and natural gas exploration and production, refining, transport and the sale of crude oil derivatives, petrochemicals, gas and electricity. It has a strong international presence. The Company has established Basic Environmental Regulations, which set out the policies and principles for environmental standards for all operations to ensure standard courses

of action. Environmental management systems ensure the realization of commitments in terms of legal compliance, continuous improvement and pollution prevention as established in environmental policies. Implementation itself represents a commitment that is renewed year by year in the form of our annual management program, which establishes targets and goals in matters of environmental policy.

## **The challenge**

CEPSA knew that the exterior canopy lighting was responsible for a large percentage of the energy costs for service station lighting. The traditional systems were based on 150 W through to 400 W metal halide lamps which provided the required level of light but with high energy consumption and high maintenance costs. CEPSA was aware of the new options provided by LED technology and worked with Philips to find an LED solution. One that could be implemented easily and provides the standard lighting levels but with lower energy consumption and a rapid return on investment.

## **The solution**

The product selected to replace the conventional metal halide lamps was the built-in Mini300 LED projector. This efficient interchangeable lighting has been designed especially for canopies and provides excellent quality light, efficient thermal management and a very long lifecycle. The reduction in maintenance, replacement and energy costs ensure a very rapid return on investment. The Mini300 LED is a great example of how sustainable products can deliver savings. A movement sensor cuts energy consumption further, adapting the lighting level to the presence or absence of service station users. The implementation of the Mini300 LED allows the control of each individual lightpoint. The status of each light can be read and controlled by a laptop at floor level.

## **Benefits**

CEPSA has installed around 400 Mini300 LED projectors at 49 service stations throughout The Canary Islands. The energy savings have already been noticed. The required power has decreased by 50% and the maintenance costs have been reduced to virtually nothing thanks to the long lifecycle of the LEDs. The new canopy lighting is completely in line with the group's environmental management strategy and two of its main principles: Technical innovation and efficiency regarding the consumption of raw materials and energy as well as the reduction of carbon emissions.

## Contact information

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**Philips Lighting**

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[www.petrolstationlighting.com](http://www.petrolstationlighting.com)