

Schröder Socelec factory - Guadalajara

INDU BAY improves quality of light to assure worker safety and performance with lower operating costs



Project snapshot

Schröder Socelec is the Spanish subsidiary of the Schröder Group, a world leader in smart lighting solutions. Founded in 1907, Schröder's tradition of engineering means that they have been at the forefront of innovation throughout their history. They use lighting to help businesses and cities achieve their visions.

Built in 2002 in Guadalajara, this Spanish factory produces more than 700,000 luminaires per year to light destinations all over Europe.

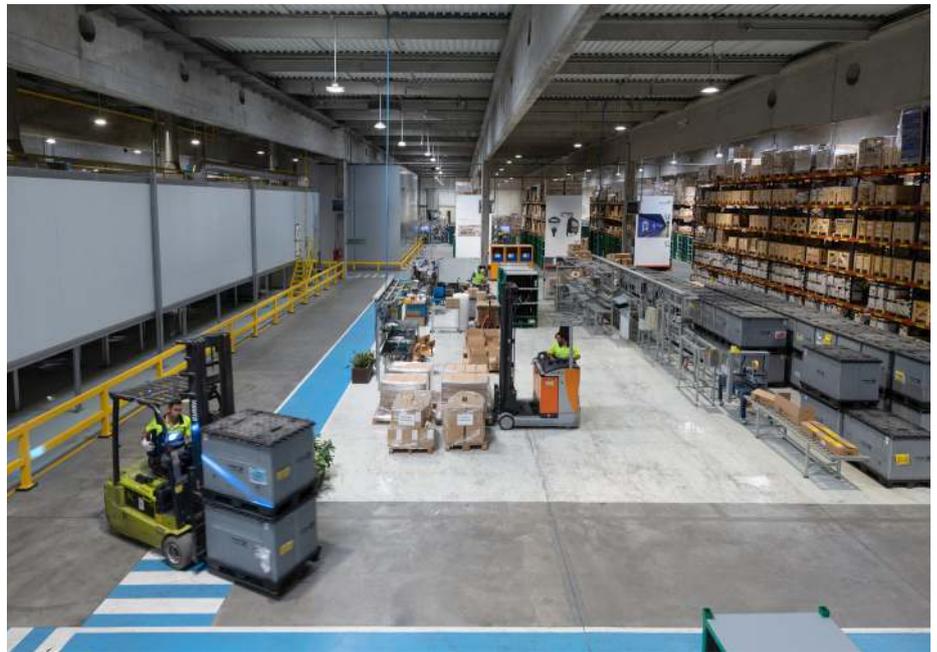
- LED lighting upgrade for factory built in 2002
- The right light in the right place at all times
- Excellent visibility for precision work
- 35% reduction in energy consumption
- Zero maintenance operations
- Minimal energy consumption
- 196 INDU BAY GEN2



The Challenge

While the factory was built in 2002, activities had evolved over the years, with more space dedicated to assembly lines and painting.

In 2017, the company decided to replace the lighting to take advantage of the outstanding efficacy of the INDU BAY luminaire to reduce operating costs and to revise the position of the luminaires to ensure the right light in every area at all times. As employees are focused on precision work, they need clarity and visibility to see the finest paint details or to safely work with the equipment.



The Solution

The company carried out a complete audit of the factory and conducted a pilot test in the storage area. The results clearly showed that the INDU BAY would enable the company to deliver a better quality of light while cutting energy and maintenance costs.

In total, 196 INDU BAY GEN2 were installed to replace the 183 PZ fixtures fitted with 250W and 400W metal halide lamps.

52 INDU BAY GEN2 (250W) with a wide distribution were installed for the assembly and painting lines as well as the packaging and shipping area.

144 INDU BAY GEN2 (204W) with a circular light distribution light the corridors and storage areas.

The Results

The company is delighted with the new lighting system that has enabled them to not only reduce energy consumption but also maximise light efficiency to create an optimal working environment to boost staff morale and productivity.

✓ > 35% energy savings

✓ Ave 500 lux (assembly lines)

✓ Ave 400 lux (transit areas)

✓ 60% uniformity

✓ 0.78W/m²/100lux

👏 Staff feedback has been great! It's good to see that this investment has improved working conditions, while saving us money and contributing towards our efforts to reduce energy consumption and emissions.👏

Francisco Pardeiro
General Manager - Schröder Socolec