## Case study

### Consum supermarkets

<table>
<thead>
<tr>
<th>Location</th>
<th>Valencia, Spain</th>
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<tbody>
<tr>
<td>Philips Lighting</td>
<td>MASTER LEDtube GA and SA, LuxSpace Accent</td>
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“The actual results we obtained following the renovation have exceeded our expectations. We now have a supermarket equipped with the best lighting technology on the market that is, in return, producing energy savings of 60% compared with the installation we had previously. We can now be proud as we are having the most efficiently lit supermarket in the whole of the Valencian Community.”

Javier Martínez Huedo, Director Maintenance Division, Development Department - Consum
Consum: committed to sustainability with the new 100% LED supermarket

Background
Consum is the largest supermarket chain along the Mediterranean coast of Spain, operating in the commercial distribution sector through the Consum and Consum Basic supermarkets, and the Charter franchises. As part of its environmental targets for this year, Consum plans to reduce its carbon footprint by 5% to combat climate change. This is the reason why they have adopted an energy efficiency plan based on making efficient use of its installations, using control-system monitoring, and this represents an active commitment to using efficient technologies.

The solution
All fluorescent bulbs have been replaced with MASTER LEDtubes GA. The energy saving alone is more than 45%. The light quality and distribution make this product the ideal replacement for traditional fluorescent lighting. For the accent lighting (100W and 150W output) Philips suggested a combination of LuxSpace Accent 40W and 65W respectively. This directable luminaire allows stable adjustment and a secure fixture angle. Furthermore, for the walls and the cooler cabinets, the MASTER LEDtubes SA were used, equipped with the proper optics and sealing for this application type. This resulted in energy savings of more than 65%. This range is designed to be used in both positive cold and negative cold refrigerator displays. Its rotational fitting allows light to be directed to where it is needed and thereby make certain products stand out over others.

Benefits
On completion of the installation, the actual energy savings are higher than the initial forecasts. The consumption indicators, connected to the lighting, show reductions of around 65% in relation to those obtained prior to the installation of the Philips LED solutions. In addition, maintenance costs have dropped to zero from the moment the installation was completed because we have opted for a technology that will last more than 10 years without a single fault.