



## Case Study

Project: InBev, Leuven, Belgium  
Philips MASTERColour CDM-Tm Mini 20W

When Interbrew merged with Brazilian based brewery AmBev - under the name of InBev - it became the largest brewer by volume in the world. InBev aims to be world class in every aspect of its operations. That applies as much to finding the right lighting solution in its staff restaurant as to the beer it brews.

### Background

At its new headquarters in Leuven, Belgium, the staff restaurant is an important part of the employee resources and makes a valuable contribution to employee well-being and productivity. However, well-being should not be achieved regardless of cost or energy usage.

Lighting plays a vital role in providing a welcoming, comfortable environment for employees. Any new lighting solution had to be energy efficient, with a lower cost of ownership.

### The challenge

Vincent Van Duysen, the architect on the project, appointed lighting specialists Tekna of Lokeren. The project was managed by Erik Huysmans of Tekna. There were a number of challenging requirements. The basic need was for pleasant and comfortable atmospheric lighting with a high light output. The light source needed to be highly efficient with low heat generation, so a smaller, more efficient and quieter air-conditioning unit could be used. This saved energy, took up less space and cut noise levels. Installation height for the false ceiling was

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sense and simplicity

Installation height for the false ceiling was limited to 16cm, restricting the size of luminaires. The comparatively low ceiling height of less than 3m and the need for uniform lighting also limited the choice of light sources.

#### The solution

Tekna considered a number of lighting solutions. Halogen was ruled out on the grounds of heat output and efficiency. Compact fluorescent lamps could not provide the right ambience. The need for uniform light levels in the low ceiling height ruled out high wattage C-HID lamps.

Ultimately, Tekna specified a slightly modified version of an existing luminaire which incorporates the Philips MASTERColour Mini system technology. The luminaire is just 10cm high with a diameter of 12cm. Despite this limited height, the lamp sits a little higher in the reflector, which enhances the level of visual comfort. The unit incorporates a glass lens and is structured to create a broad diffusion angle, thus enabling the required uniformity to be achieved.

“The new lighting scheme has proved entirely satisfactory. It helps meet our responsibilities to our shareholders by being cost-effective, to our staff by providing a welcoming relaxing ambience, and to the environment with its energy efficient performance.”

Erik Huysmans - Tekna

## Fast facts

### Project

InBev, Belgium

### Project team

Vincent Van Duysen, Architect, Belgium

Erik Huysmans, Tekna, Belgium

Philips Lighting

### Products

- Philips MASTERColour CDM-Tm Mini 20W and Philips HID-PrimaVision Mini gear 20W

### Benefits

- Miniaturised solution
- Energy efficient



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