

# GENERAL ELECTRIC LIGHTING WITH WALTER + PLANER INSTALLED A NEW DECORATIVE STREET - AND AREA LIGHTING SOLUTION IN THE CITY OF COTTBUS

## NEW LIGHTS IN COTTBUS WITH CERAMIC TECHNOLOGY

Two years ago the town administration of Cottbus decided to refurbish completely the main downtown pedestrian area. This incorporated the total renewal of street lighting and whole area flood lighting for church, squares and even shop portals as well.

Walter + planer was selected to plan the electrical, photometrical and design properties of the new equipment. The terms of

the contract included the important requirements that street lighting should, as a part of the master plan, match with the new pavement and the whole new city furnishings.

The light sources should provide a crisp, high quality light, with high reliability and good energy efficacy.

November 2002 the streetlighting project was completed and was opened to the public by the Mayor of the city Katrin Rätzel.

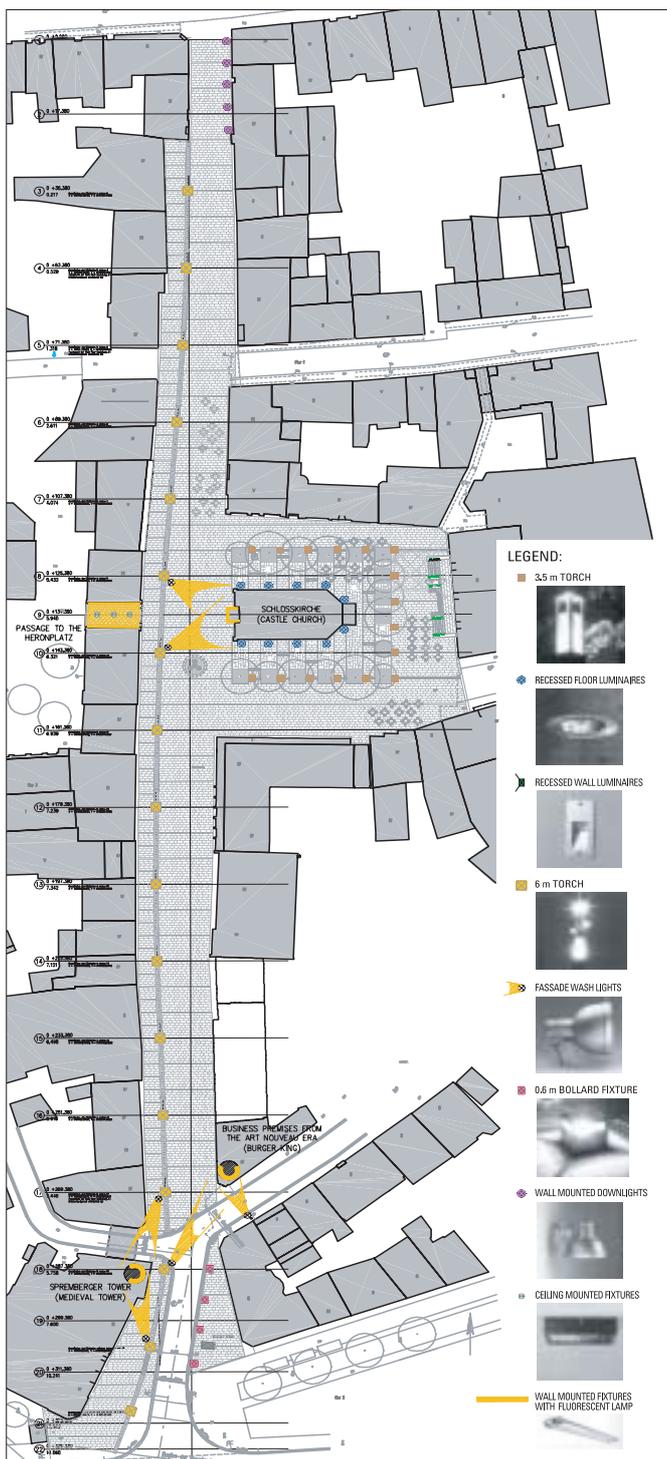
It has now been 5 months since Cottbus opened the refurbished city centre and the inhabitants agree that the city has gone through a spectacular conversion.

A white, strong light is provided at night from the fixtures and more and more citizens now enjoy walking on the streets. The downtown area has turned into a major meeting point benefited its beautification. In addition the shops have also benefit from the improved appearance to the streets. Shop owners are more than satisfied.

### GE CMH 70W AND 150W - OUTSTANDING PERFORMANCE FROM CMH LAMPS

Heidrun Walter, from walter + planer, decided upon a very different and unusual lighting approach:

*"We created much higher light levels than typical streetlighting systems deliver, which means we achieved more than three times the usual light output as well as much higher color rendering than is usually delivered from popular sodium discharge lamps where the colour rendering index is only 20. We made a dramatic improvement in this area. With the implementation of General*



TOWN MAP (SOURCE: WALTER + PLANER)

*Electric Ceramic Metal Halide lamps, we delivered a much better lighting ambience, which includes a much higher colour rendering of 80+. We feel that the introduction of this new Ceramic Metal Halide lighting solution offers the best opportunity. Our experience so far have been only positive. The pleasant and attractive light has turned the city into an area that is beautiful and appealing to people."*

The newly developed innovative fittings by walter + planer called "COTTBUS" consists of three different models with a height of 6 m, 3.5 m and 0.6 m fitted with GE Ceramic Metal Halide and Compact Fluorescent lamps.

GE CMH lamps are offered from 20 to 400 Wattages ensuring the widest range in lighting opportunities in this category. GE ConstantColor™ CMH lamps provide high efficiency, excellent colour rendering and rich, crisp white light compared with mercury or sodium lamps. The white light of CMH is similar to that of halogen lamps, but has much higher intensity. The compact lamp size and universal burning position offer design freedom in most lighting systems application.

The 250W & 400W lamps, are the latest additions to the ConstantColor™ CMH range and can upgrade most existing installations where metal halide/high pressure sodium ballast

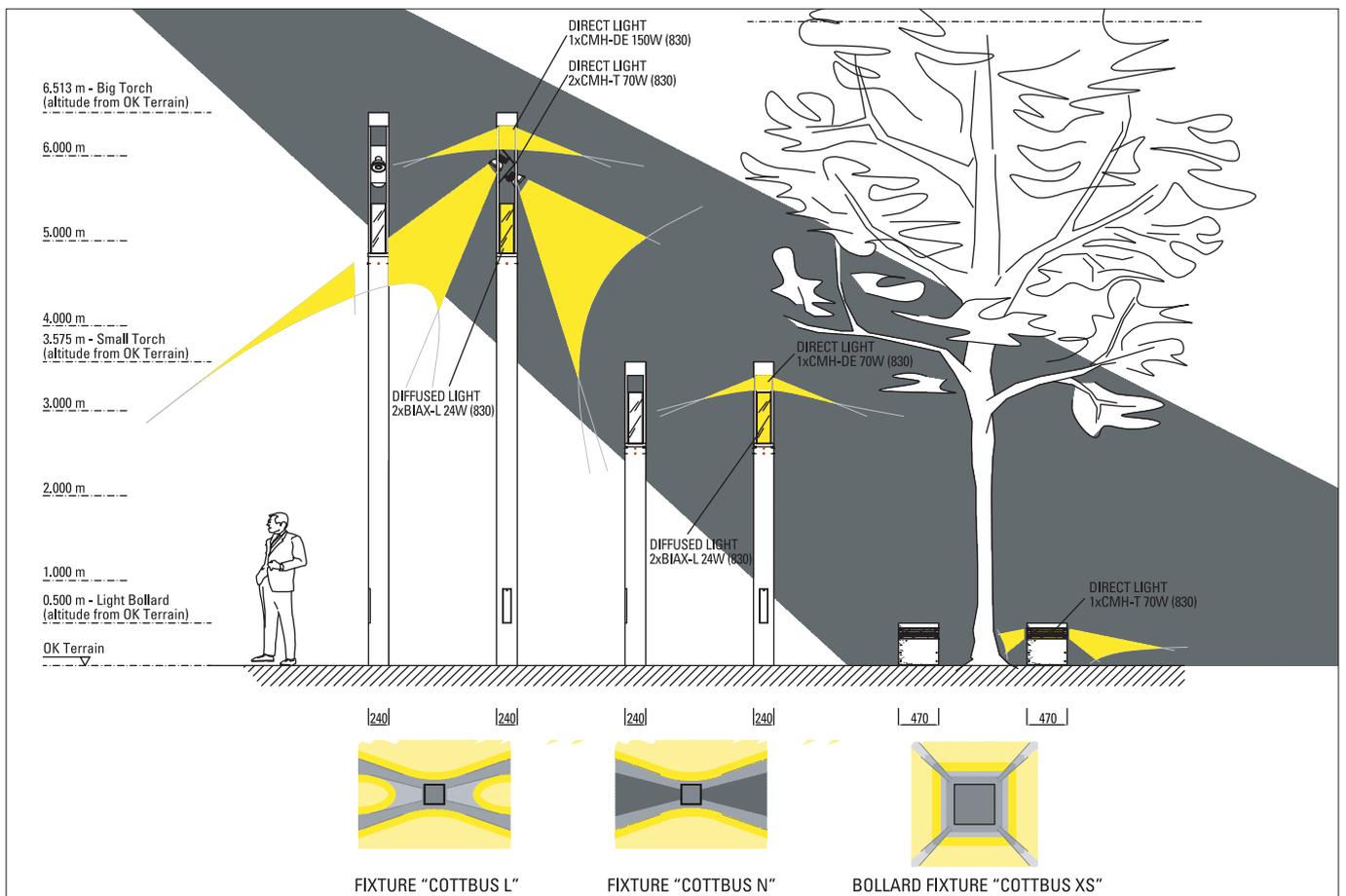


incorporating thermal protection and metal halide ignitors are used.

Replacing current lamps with CMH will dramatically improve most city lighting, giving decorative exterior lighting which meets the customer requirements in terms of quality and efficiency.

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"COTTBUS" FITTINGS (SOURCE: WALTER + PLANER)