



Copenhagen Main Station

Light prize for high-quality lighting solution

An innovative, high-quality lighting solution provides the final touch to two new platforms at Copenhagen Main Station with the Danske Statsbaner [DSB] choosing to go with a mix of both modern light reflection and accentuating light. As a result, the DSB and its project partners were awarded the 2009 Danish Light Prize for their efforts.

Copenhagen Main Station was inaugurated in 1911 and is Denmark's most important railway station. Following on from various modernisation work already carried out there, the upcoming introduction of new high-speed trains meant that the train station needed to be extended to accommodate two new platforms.

One of the main challenges in designing the new platforms was to turn the dark station concourse and low ceiling into areas where passengers would feel comfortable and at ease. At the same time, a number of railway-specific requirements had to be met such as energy efficiency and making sure train drivers were not blinded by the lighting.

To ensure all of this, a lighting concept was devised where areas were indirectly illuminated to make them appear higher and more spacious, while "dancing" accentuating light added a playful touch to round things off.

durlum played a major part in the realisation of the concept in that it developed and manufactured special lighting and reflection systems. More than 130 specially designed oval, dimmable lights powered by 2x80 watt bulbs shine onto the 1,600mm long reflectors made of aluminium and electro-polished stainless steel. The majority of this light is reflected into the station areas using a ZIC-ZAC® reflective ceiling, which is attached to components made of perforated aluminium. This helps to create a very pleasant atmosphere. The overall lighting concept is rounded off by forty KÜNSTLICHE SONNE luminaires made by durlum, which create zoned accentuating light on the platforms.

The "Danish Centre for Light", which was founded in 1948 with the aim of promoting good lighting, awarded the 2009 Danish Light Prize to the DSB and its project partners for their work in designing the lighting for the new platforms.



Project

Main Station | Copenhagen, Denmark

Architect

Public Arkitekter a/s | Copenhagen, Denmark

Client

DSB | Copenhagen, Denmark

Lighting design

Bartenbach LichtLabor | Aldrans, Austria

Product

- Artificial light reflection | approx. 130 luminaires and reflectors
- KÜNSTLICHE SONNE | approx. 40 luminaires

Completion

2009



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