

CASE STUDY

SL - Stockholm Public Transport



The Stockholm Metro will soon be celebrating 60 years in existence. It transports around one million people between 100 stations on three underground lines.

The existing Metro lighting is currently around 30 years old and somewhat deteriorated. SL - Stockholm Public Transport - needed help with new lighting fixtures and contacted Aura. Thomas Kari, Project Manager at SL, explains:

A challenge that resulted in a new solution

SL had produced a requirement specification for production of new lighting fixtures. The aim was to find a Long Life concept. Some of the requirements involved a cost-efficient concept because all the tunnels in the Stockholm Metro system needed new lighting. This means delivery and installation of 17,000 fixtures and 300 kilometres of cable between 2009 and 2012. Other requirements were to avoid replacing fluorescent lights, environmental customisation, i.e. being able to cope with temperatures from -20 to +25 °C, avoiding the need for tools for replacements and for the fixtures to be supplied complete with fluorescent tube, cord and plug. Constructing a dustproof and flushproof lighting fixture was also necessary.

SL contacted fluorescent light suppliers to ask them to produce a prototype. Aura Light accepted the challenge. No other lighting manufacturers were interested.

The challenge resulted in a new lighting solution - Aura QUICK CHANGE Long Life.

Fulfilled requirements

The new lighting lasts at least three times as long as standard products on the market. The fixture is easy to fit and change thanks to the simple click fastening. SL reduces unnecessary night work and work using ladders. As a result, the working environment is safer for SL staff.

The risk of glare for metro drivers is reduced because the lighting is wide-angled and flicker-free. As the lighting fixtures are developed for tough environments such as tunnels, they meet SL's requirement to be dustproof and to withstand water jets during cleaning. The fluorescent tubes need to be changed every seven years, which reduces environmental impact from transport, etc., and the actual fixtures are recyclable.

About Aura

Aura supplies Long Life light sources and solutions. With a lifetime that is at least three times longer, you can reduce your maintenance costs and environmental impact by a third. With our T8 ECO SAVER and Eco Lighting Solutions, you can also reduce your energy consumption dramatically, thus reducing your energy costs and carbon footprint further.

