

TRILUX DIGITAL SERVICES

DESCRIPTION OF SERVICES

Introduction

With TRILUX Digital Services, the potential of a digital lighting solution can be made the most of without effort. TRILUX implements this via the cloud-based monitoring of installed TRILUX luminaires using the LiveLink light management system. Users can choose between Energy Monitoring, Light Monitoring and Emergency Light Monitoring. Actual maintenance work on the lighting system is not owed due to the use of the Energy Monitoring or Light Monitoring digital services.

Preconditions

To be able to book TRILUX Digital Services, a few requirements have to be met. Firstly, luminaires must be installed with Monitoring Ready (MOR) control gear units (DALI Parts 251, 252, 253) and the LiveLink Premium or Livelink WiFi light management system. Secondly, connectivity of the lighting system or the LiveLink light management system with the TRILUX Cloud must be provided by the customer – either through the customer's Wi-Fi network, an additional connection via the customer's provider or the connection offered by TRILUX. For linking the installed LiveLink light management system with the TRILUX Cloud, registration is required in the TRILUX Portal.

Energy Monitoring

Energy Monitoring provides limited access to operational data regarding energy consumption, which can be read out via the LiveLink light management system, either grouped or at the individual luminaire level. Energy Monitoring supplies data on:

- Energy consumption (without historical data)
- Operating duration
- Switching state (on or off)

Light Monitoring

Light Monitoring provides full access to all relevant operating data of the lighting solution. Based on the wide-ranging information, maintenance cycles can be adapted to real needs in addition to operating data on energy consumption, as the system detects a need for maintenance in advance and proactively reports this to the responsible service centre if desired. Light Monitoring supplies data on:

- Energy consumption
- Operating duration
- Switching state (on or off)
- Dimming level
- Diagnostic messages (warnings and critical messages)
- Reports on the energy-, cost- and CO2 savings
- Interactive lighting plan with Livelink Premium
- Visualisation of the presence sensor data with LiveLink Premium – area utilisation (heat mapping)
- Remote activation of scenes
- Scene timer with calendar function
- API (HTTP Application Programming Interface) for aggregated data
- Remote maintenance via VPN connection (as of 2022)

Emergency Light Monitoring

Service for the monitoring and logging of single battery-operated emergency lighting systems. Enables the configuration and automatic execution of legally required function tests and endurance tests. Generation of flexibly configurable test plans and ad-hoc testing. Test logs are automatically generated and can be digitally accessed for five years, and a dashboard summarises the most important information at a glance.

Diagnostic messages

As part of the predictive maintenance, this service provides data on the remaining useful life of a luminaire or group of luminaires. For a group of luminaires, the luminaire with the shortest service life is identified. If maintenance is required, notifications are sent via e-mail. The notification time can be set by the user. In addition, the history data is available via report function.