More than just another light management system

ENCELIUM™ by OSRAM is an integrated DALI based light management system that allows energy savings in a very convenient and versatile way. The core of the system, the innovative Polaris 3D software, provides comprehensive control of the whole lighting from anywhere via remote access.

Thanks to the scalability of the system architecture, ENCELIUM™ works with any building size, offering very simple integration into existing building management systems. This way, you can change and enhance your lighting at the click of a mouse – and make your building fit for the future.
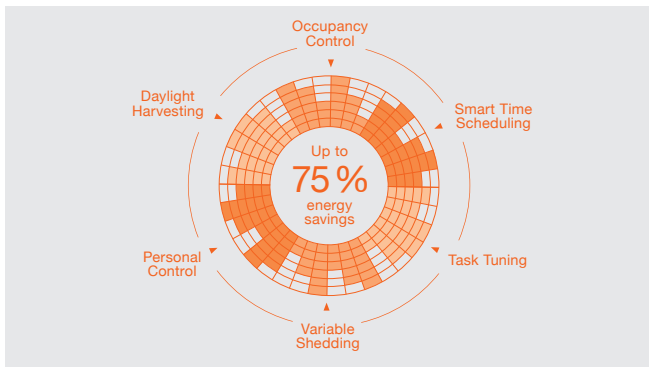
All ENCELIUM™ light management components, including planning and commissioning, are part of the full OSRAM solution and benefit from over 100 years of experience in lighting.

Next generation light management

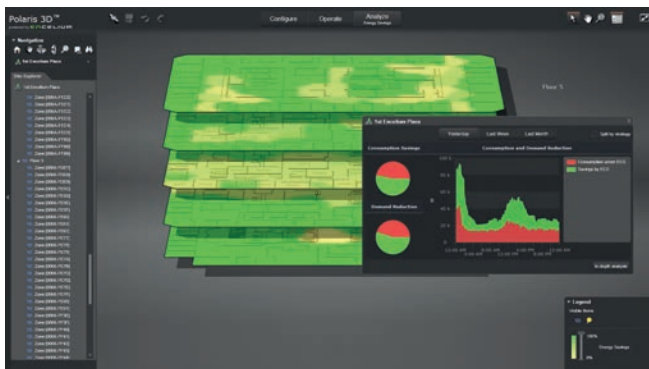The ENCELIUM™ Light Management System

OSRAM

Add more to your light
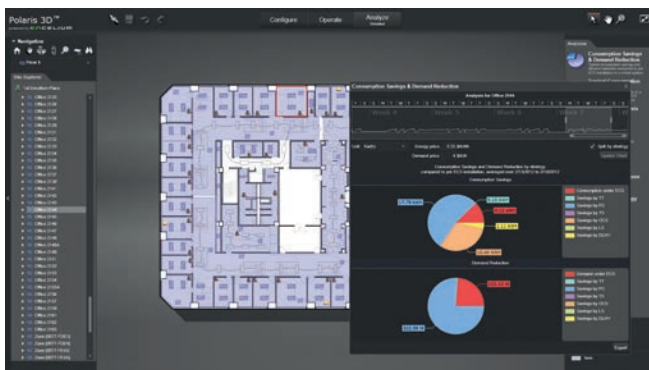

Six strategies to save energy

More energy savings:

— Reduce your lighting's energy consumption by up to 75 %* without compromising light quality
— Six strategies to save energy – coordinated and optimized by using sophisticated software algorithms
— Advanced load shedding and demand response capabilities
— ENCELIUM™ helps gain points for Green Building certifications (LEED, BREAM etc.)

Excellent control and outstanding visualisation by Polaris 3D

More control:

— Centralized control of all the facility lighting through Polaris 3D software
— Realtime control and analysis of energy consumption
— Simple navigation and system configuration of lighting with color gradient and floor plan based software
— Advanced features for maintenance, providing real time monitoring of lamp burning hours and faults
— Controlling of blinds
— Personal desktop light optimization for workplaces

Easy to use point-and-click user interface

More flexibility:

— Full DALI standard system
— System is compatible with 1…10V interface and switching outputs
— Can be fully integrated into other BMS systems via BACnet interface
— Space and lighting changes without re-wiring – simply using Polaris 3D software
— No programming needed
— Full control capability via remote access

Easy integration and retrofitting to existing fixtures

A shining example – the Toronto General Hospital:

— Lighting energy consumption reduction of 74 % (588 MWh/yr.)
— Lighting energy demand reduction of 37 % (49 kW)
— Improved light quality – now individually controllable for more than 300 workplaces
— Annual energy cost reduction of EUR 36,000 or EUR 2.22/m²
— Simple payback from energy savings of 4 years
— Positive environmental impact – reduction of 177 tons of CO_2 emissions

*Compared with conventional systems: T8 lamp, conventional control gear and without sensors