

Light is OSRAM

DEXAL™ Technology

An intra-luminaire, bi-directional digital communications interface

OSRAM DEXAL™

OSRAM DEXAL™ Technology is a non-proprietary, intra-luminaire interface that provides bi-directional communication and power between a DEXAL driver and a fixture-integrated component and enables exact luminaire-specific data to be extracted, including:

OSRAM DEXAL Technology allows luminaire manufacturers to create smart, connected fixtures using one interface supported by multiple light management systems (LMS).

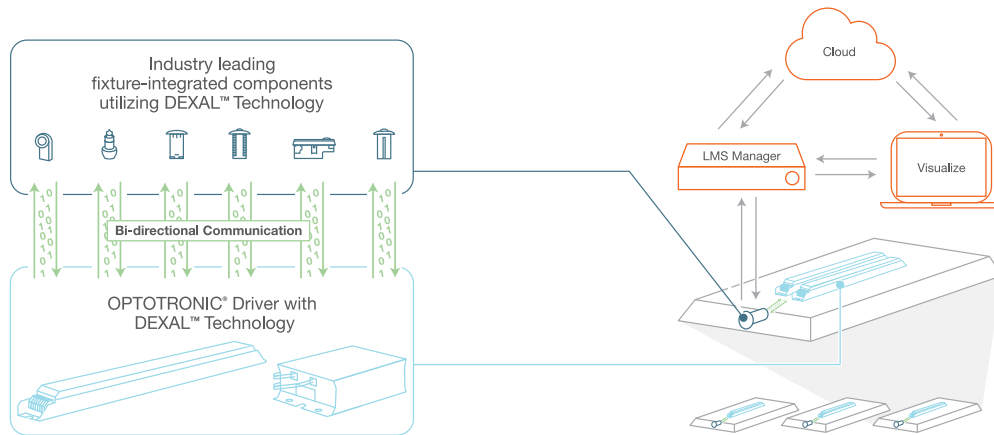
- Power consumption
- Temperature profile
- Operating hours
- Diagnostics

How DEXAL Technology benefits agents



As part of an RFP for smart fixtures, an agent may request an OEM to build a fixture that works with a light management system.

- DEXAL is a non-proprietary interface for bi-directional communication
- DEXAL creates smart connected luminaires (smart nodes) compatible with various LMS systems
- Luminaires are setup for future smart building applications



How DEXAL Technology benefits end users



- DEXAL enables your fixture to become a start node on a lighting control network
- DEXAL extracts valuable, exact fixture-specific data for maintenance service, including:
 - Power and energy consumption
 - Temperature profile
 - Operating hours
 - Diagnostics and more

How DEXAL Technology supports OEMs



By utilizing an OSRAM OPTOTRONIC® LED driver with DEXAL Technology, manufacturers are able to build smart fixtures that support various light management systems (LMS).

- DEXAL is a non-proprietary interface for bi-directional communication component configurations
- Proven compatible with multiple LMS
- Analytics possibility using luminaire data
- Significantly reduces the number of supported component configurations

OSRAM components with DEXAL™ Technology



OSRAM
DEXAL™
Technology
Included

OPTOTRONIC® Indoor Driver with DEXAL Technology

- Available in 30W and 50W
- Input range: 120-277V
- True 1% dimming
- UL Class P listed
- One click programmability

OPTOTRONIC Outdoor Driver with DEXAL Technology

- Available in 60W
- Input range: 120-277V
- 10% minimum dimming
- UL Class 2, Class P listed
- One click programmability

Connected Lighting Module (CLM) with DEXAL Technology

- Enables luminaires to connect into a wireless LMS with ZigBee®
- Ability to control single or multiple luminaires in a single space
- Enables extraction of value data such as input power consumption, operating time and case temperature
- Aggregates data from multiple power supplies thus providing a comprehensive system overview
- Unique form factor fits into a standard 1/2" knockout

Our DEXAL partners

DEXAL is compatible with a growing list of industry-leading light management systems:

OSRAM
ENCELIUM®

nedap

current
powered by GE

enlighted

LUTRON

MAGNUM
ENERGY SOLUTIONS

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