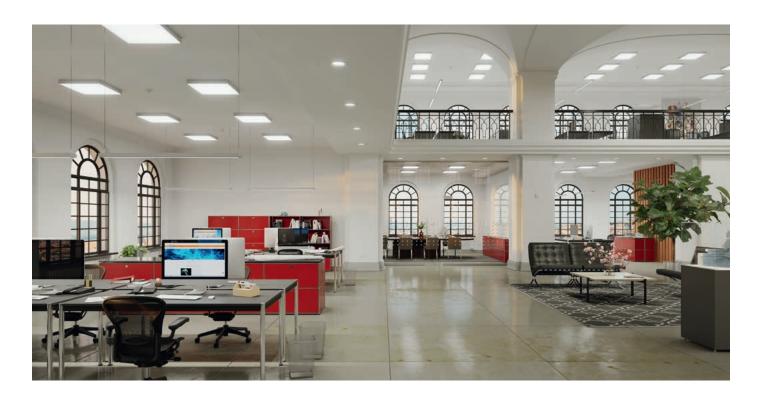


VIVARES LIGHT MANAGEMENT. SIMPLY BETTER.



# **VIVARES: LIGHT MANAGEMENT, M**

VIVARES, the future-proof IoT light management system (LMS) from LEDVANCE, brings light to life. It makes it easier and more flexible than ever to always produce optimum lighting conditions for defined requirements. The system is suitable for all office solutions and is extremely reliable and compatible. LEDVANCE offers you everything from one source: all LMS components and matching LED luminaires.

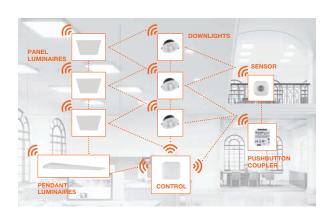


#### WIRELESS, MODERN, FLEXIBLE: VIVARES ZIGBEE

YOUR IDEAL SOLUTION IF YOU CAN'T MAKE TOO MANY STRUCTURAL CHANGES AND/OR ARE LOOKING FOR FLEXIBLE ROOM SITUATIONS.

The wireless VIVARES Zigbee system is ideal for modernizing existing buildings where rewiring is often not an option. If a building is listed or has no suspended ceilings, you will need products that can do without any additional control lines. Even in situations where the distribution of light needs changing more often, VIVARES Zigbee is the perfect choice because the system is easy to adapt.

LEDVANCE offers you the necessary components and a well-assorted selection of compatible LED luminaires which allow the VIVARES Zigbee system to provide energy-saving lighting in existing buildings. As an option, the system can be connected to a cloud application to generate maintenance and energy consumption reports.



**VIVARES Zigbee in an existing building:** panel luminaires, downlights and pendant luminaires are wirelessly connected to the VIVARES Zigbee controller and sensors.

## ORE COMFORTABLE THAN EVER

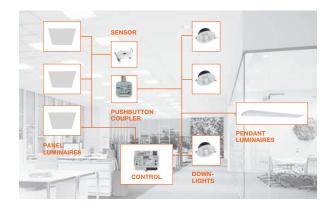
Another advantage of the portfolio is its great flexibility. Whether you go for the wireless option via VIVARES Zigbee or the wired version based on DALI technology, we always have the right solution for you and support you every step of the way. But what you can expect from both technologies is that they are extremely comfortable and easy to install by anyone.

# WIRED INDUSTRY STANDARD REDEFINED: VIVARES DALI

VIVARES DALI IS IDEAL FOR NEW BUILDINGS AND RENOVATIONS, WITH ROOM FOR ADDITIONAL CONTROL LINES.

The system is well suited if new cables can be installed and the lighting is long-term. All VIVARES DALI products are DALI-2-certified and technically matched to perfection. Since this is an open system, it is also compatible with other DALI-2 products.

Commissioning is simple and self-explanatory via a browser-based commissioning tool. And of course VIVARES DALI is also ready for the Internet of Things (IoT) – and therefore capable of generating maintenance and energy consumption reports via the VIVARES cloud.



VIVARES DALI in a new office building: panel luminaires and downlights are integrated into the suspended ceilings and, using cables, are connected to the LMS components such as sensors. Additionally, pendant luminaires were installed in the conference room.



## VIVARES ZIGBEE: FUNCTIONALITY, INSTALLATION AND OPERATION

## THE KEY COMPONENT OF LEDVANCE VIVARES ZIGBEE IS THE CONTROLLER.

VIVARES Zigbee Control communicates wirelessly with up to 200 Zigbee-ready devices via Zigbee 3.0. These include the VIVARES Zigbee luminaires, sensors, pushbutton couplers and a Zigbee DALI converter for the additional integration of DALI-2 luminaires.

Potential applications range from small lighting projects to complete floor solutions. And even after commissioning, expanding the system with additional components is no problem at all.

The system and its components are very easy to configure and commission via the VIVARES portal (p. 5). And it can also be maintained remotely using the VIVARES portal. New software features are continually integrated into the system through online updates. But it doesn't need an internet connection for commissioning and operation.

#### **FUTURE-PROOF OPTIONS**

Thanks to its gateway function, the controller also provides the option of using LEDVANCE VIVARES cloud services to generate maintenance and energy consumption reports.



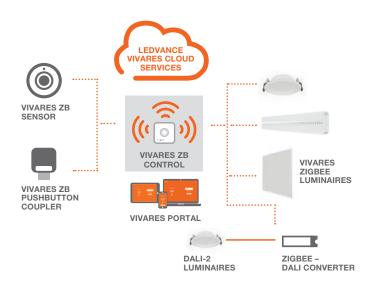




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## VIVARES ZIGBEE: WIRELESSLY CONNECTED AND READY FOR THE INTERNET OF THINGS (IoT)



## QUICK AND SIMPLE: INSTALLATION AND COMMISSIONING IN 5 STEPS

- 1. Register on the VIVARES portal and download the app
- 2. Preconfigure rooms, settings and devices from anywhere
- 3. Connect the LMS components and the luminaires on the construction site
- 4. To integrate them into the system, simply scan the QR code on the products using the app
- 5. Transfer the configuration to the controller. The network is then installed automatically.

## VIVARES ZIGBEE AND HUMAN CENTRIC LIGHTING (HCL)

VIVARES Zigbee can also be used as an HCL system. In combination with the LEDVANCE BIOLUX HCL luminaires, the VIVARES Zigbee controller dynamically adjusts the lighting to the natural changes in daylight.







02







Product name	GTIN (EAN)	Short description	Figure
VIVARES ZIGBEE 3.0 LMS CONTROL UNIT	AND COMPONENTS		
VIVARES ZB CONTROL	4058075427488	Zigbee 3.0 controller with integrated gateway for small to mid size projects up to 200 endpoints	01
VIVARES ZB L/O SENS 220-240	4058075446182	Zigbee 3.0 light and presence sensor, ceiling integration	02
VIVARES ZB 0 SENS 220-240	4058075544222	Zigbee 3.0 presence sensor, ceiling integration	03
VIVARES ZB COUPLER	4058075463806	Zigbee 3.0 pushbutton coupler to integrate standard switches into a wireless lighting system	04
ZIGBEE 3 0 DALL CONVIL	4062172044776	Converter to integrate DALL luminaires into Zighee-hased control systems	05











Product name	GTIN (EAN)	Short description	Figure			
LUMINAIRES FOR VIVARES AND OTHER ZIGBEE 3.0 LIGHT MANAGEMENT SYSTEMS						
PANEL INDV 600 ZIGBEE 33W/4000K	4058075521841	Square recessed luminaire with IndiviLED® optics, 600 mm with Zigbee 3.0 technology	01			
PANEL INDV 625 ZIGBEE 33W/4000K	4058075521865	Square recessed luminaire with IndiviLED® optics, 625 mm with Zigbee 3.0 technology	01			
PANEL PFM 600 UGR<19 ZIGBEE 36W/4000K	4058075522862	Square recessed panel luminaires, tool-free installation and low glare, for $600\times600$ mm ceiling systems with Zigbee 3.0 technology	02			
PANEL PFM 625 UGR<19 ZIGBEE 36W/4000K	4058075522886	Square recessed panel luminaires, tool-free installation and low glare, for $625\times625$ mm ceiling systems with Zigbee 3.0 technology	02			
PANEL PFM 600 ZIGBEE 36W/4000K	4058075522824	Square recessed panel luminaires, tool-free installation, for $600 \times 600$ mm ceiling systems with Zigbee 3.0 technology	02			
PANEL PFM 625 ZIGBEE 36W/4000K	4058075522848	Square recessed panel luminaires, tool-free installation, for $625\times625$ mm ceiling system with Zigbee 3.0 technology	02			
PANEL D/I 1200 UGR<19 ZIGBEE 36W/4000K	4058075521889	Suspended edge-lit luminaires for direct and indirect light emission, low glare, 1 200 mm with Zigbee 3.0 technology	03			
LINEAR INDV D ZIGBEE 34W/4000K	4058075521902	Surface mounted luminaire for single luminaire or light line application with Zigbee 3.0 technology	04			
LINEAR INDV D ZIGBEE 48W/4000K	4058075521926					
DL UGR19 PFM DN155 14W/840 ZBVR WT	4058075459892	Low-glare downlights, suitable for computer screen workstations with Zigbee 3.0 technology	05			
DL UGR19 PFM DN195 21W/840 ZBVR WT	4058075459397					

#### PANEL ACCESSORIES - QUICK AND EASY TO INSTALL

Whether it's surface mounting, pendant mounting or installation in suspended ceilings, the LEDVANCE panel luminaires can be fitted in many different ways. Thought-out mounting systems, extensive accessories and complete installation kits make the job extremely easy for you. You can find our accessories at: ledvance.com/panel-accessories

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#### THE VIVARES ZIGBEE PORTAL

The VIVARES Zigbee portal is the central tool for planning, configuring, installing and maintaining your intelligently connected lighting project in a user-friendly and intuitive way. The VIVARES portal can be used as an app on mobile devices (iOS/Android) and as a web-based solution on PCs. You won't need special software for the PC version.





The VIVARES Zigbee installation video (youtu.be/kt4A-6iujvg) shows you how easy it is to commission the system components. Be inspired!



# VIVARES DALI: FUNCTIONALITY, INSTALLATION AND OPERATION

VIVARES DALI IS DALI-2-CERTIFIED AND MEETS ALL REQUIREMENTS OF THE LATEST INDUSTRY STANDARD. AND IT COMES WITH STATE-OF-THE-ART SECURITY FEATURES.

At the heart of LEDVANCE VIVARES DALI is the OSRAM DALI PRO 2 IoT control unit. The system connects DALI-2 components – for example sensors, pushbutton couplers and the LEDVANCE VIVARES DALI-2 luminaires. As an open standard, the system is compatible with a wide range of DALI-2-ready luminaires and components. A total of up to 128 luminaires and 126 input devices can be individually addressed via two channels.

Installation, configuration and commissioning are particularly simple and user-friendly thanks to the browser-based graphical user interface. Predefined templates and drag & drop enable time-saving and intuitive commissioning. The DALI PRO 2 IoT control unit is equipped with an integrated gateway and provides optional access to LEDVANCE cloud services. What's more, the VIVARES DALI system can be easily integrated into a higher-ranking KNX system for building control.

#### EASY AND CONVENIENT: COMMISSIONING IN 5 STEPS

- Register in the browser-based OSRAM DALI PRO 2 commissioning app
- 2. Create a new project
- 3. Drag & drop predefined templates into the project
- 4. Locate installed devices (LMS components and luminaires) and assign them by drag & drop
- 5. Commission them by clicking on the sync button and save them in DALI PRO

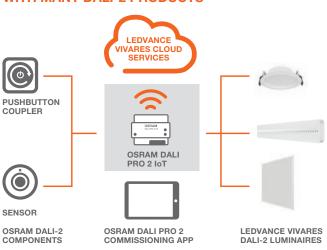




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### VIVARES DALI: IOT-READY AND COMPATIBLE WITH MANY DALI-2 PRODUCTS







Discover in our YouTube video **(youtu.be/BnfrxqqHcgk)** how intuitively you can install and configure VIVARES DALI.

#### THE VIVARES DALI COMMISSIONING TOOL

Configuration of VIVARES DALI is self-explanatory and can be carried out without any special software thanks to the browser-based OSRAM DALI PRO 2 commissioning tool (for PCs, tablets and smartphones). No programming is necessary because of predefined rooms and situations.























Product name	GTIN (EAN)	Short description	Figure
VIVARES DALI-2 LMS CONTROL UNIT AND	COMPONENTS		
DALI PRO 2 IOT	4062172114189	DALI-2 controller with integrated gateway for small size light management systems up to 128 light points	01
DALI SENSOR LS/PD CI G2	4062172072083	DALI-2 light and presence sensor, ceiling integration	02
DALI SENSOR LS/PD LI UF G2	4062172072045	Ultraflat DALI-2 light and presence sensor, luminaire installation	03
DALI SENSOR LS/PD LI G2	4062172072069	DALI-2 light and presence sensor, luminaire installation	04
HF LS LI	4052899921481	Light and presence sensor, radar, luminaire installation, up to 13 m height	05
DALI COUPLER HF G2	4062172072199	DALI-2 sensor coupler for integration of HF (radar) light and presence sensor in DALI installations	06
LS/PD MULTI 3 CI	4008321916648	Light and presence sensor, recessed ceiling, moveable	07
DALI COUPLER MULTI3 G2	4062172072113	DALI-2 sensor coupler to integrate MULTI 3 light and presence sensor into DALI installations	08
DALI COUPLER E G2	4062172072212	DALI-2 sensor coupler for integration of light and presence information in DALI installations	09
DALI COUPLER LS HIGHBAY G2	4062172072137	DALI-2 sensor coupler with integrated light sensor for HIGHBAY sensor	10
HIGH BAY	4008321410078	Motion sensor with switching contact for up to 13 m height, optional use with DALI HIGHBAY ADAPTER	11
VISION	4008321957047	Motion sensors with switching contact	12
DALI COUPLER PB G2	4062172087575	DALI-2 pushbutton coupler to integrate standard switches in DALI systems	13
KNX IF 250	4062172020008	KNX interface for bi-directional communication between KNX system and DALI network	14













Product name	GTIN (EAN)	Short description	Figure
SUITABLE LUMINAIRES FOR VIVARES AND OTHER D	ALI-2 LIGHT MANAGEMENT	T SYSTEMS	
PANEL INDV 600 DALI 33W/3000K	4058075503885	Square recessed luminaire with IndiviLED® optics, 600 mm with DALI-2 IoT technology	01
PANEL INDV 600 DALI 33W/4000K	4058075503861		
PANEL INDV 625 DALI 33W/4000K	4058075503922	Square recessed luminaire with IndiviLED® optics, 625 mm with DALI-2 IoT technology	01
LINEAR INDV D DALI 34W/3000K	4058075503946 Surface mounted luminaire for single luminaire or light line application with DALI-2 IoT technology	Surface mounted luminaire for single luminaire or light line application with DALI-2 IoT technology	02
LINEAR INDV D DALI 34W/4000K	4058075503960		
LINEAR INDV D DALI 48W/3000K	4058075503984		
LINEAR INDV D DALI 48W/4000K	4058075504004	_	
PANEL D/I 1200 UGR<19 DALI 36W/3000K	4058075504028	Suspended edge-lit luminaires for direct and indirect light emission, low glare, 1 200 mm with DALI-2 IoT technology	03
PANEL D/I 1200 UGR<19 DALI 36W/4000K	4058075504042		
PANEL PFM 1200X300 UGR<19 DALI 30W/940	4058075522022	$Rectangular\ recessed\ panel\ luminaires\ for\ 1\ 200\times300\ mm\ ceiling\ systems,\ tool-free\ installation,\ low\ glare\ and\ DALI-2\ loT\ technology$	04
PANEL PFM 600 UGR<19 DALI 30W/3000K	4058075538085	Square recessed panel luminaires, tool-free installation and low glare, for 600 × 600 mm ceiling systems with DALI-2 IoT technology	05
PANEL PFM 600 UGR<19 DALI 30W/4000K	4058075538122		
PANEL PFM 600 UGR<19 DALI 36W/940	4058075521988		
PANEL PFM 600 UGR<19 DALI 36W/3000K	4058075440456		
PANEL PFM 600 UGR<19 DALI 36W/4000K	4058075440470		
PANEL PFM 625 UGR<19 DALI 30W/3000K	4058075538221	Square recessed panel luminaires, tool-free installation and low glare,	05
PANEL PFM 625 UGR<19 DALI 30W/4000K	4058075538252	for 625 × 625 mm ceiling systems with DALI-2 IoT technology	
PANEL PFM 625 UGR<19 DALI 36W/3000K	4058075440753		
PANEL PFM 625 UGR<19 DALI 36W/4000K	4058075440777		
PANEL PFM 1200X300 UGR<19 DALI 30W/3000K	4058075440210	Rectangular recessed panel luminaires, tool-free installation and low glare,	04
PANEL PFM 1200X300 UGR<19 DALI 30W/4000K	4058075440630	for 1 200 × 300 mm ceiling systems with DALI-2 IoT technology	
PANEL PFM 600 DALI 30W/3000K	4058075537972	Square recessed panel luminaires, tool-free installation,	
PANEL PFM 600 DALI 30W/4000K	4058075538030	for 600 × 600 mm ceiling systems with DALI-2 loT technology	
PANEL PFM 600 DALI 36W/3000K	4058075440357		
PANEL PFM 600 DALI 36W/4000K	4058075440395		
PANEL PFM 625 DALI 30W/3000K	4058075538160	Square recessed panel luminaires, tool-free installation,	05
PANEL PFM 625 DALI 30W/4000K	4058075538191	for $625 \times 625$ mm ceiling system with DALI-2 IoT technology	
PANEL PFM 625 DALI 36W/3000K	4058075440616		
PANEL PFM 625 DALI 36W/4000K	4058075440654		
PANEL PFM 1200X300 DALI 33W/3000K	4058075440135	Rectangular recessed panel luminaires, tool-free installation,	04
PANEL PFM 1200X300 DALI 33W/4000K	4058075440173	for 1 200 × 300 mm ceiling systems with DALI-2 IoT technology	
DL UGR19 PFM DN155 14W/830 WT IP54 DALI	4058075459298	Low-glare downlights, suitable for computer screen workstations with DALI-2 IoT technology	06
DL UGR19 PFM DN155 14W/840 WT IP54 DALI	4058075459311		
DL UGR19 PFM DN155 21W/830 WT IP54 DALI	4058075459830		
DL UGR19 PFM DN155 21W/840 WT IP54 DALI	4058075459854		
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#### **ABOUT LEDVANCE**

With offices in more than 50 countries and business activities in more than 140 countries, LEDVANCE is one of the world's leading general lighting providers for professional users and end consumers. Having emerged from OSRAM's General Lighting division, LEDVANCE offers a wide-ranging portfolio of LED luminaires for a broad spectrum of applications, intelligent lighting products for Smart Home and Smart Building solutions, one of the most comprehensive ranges of advanced LED lamps, as well as traditional light sources.



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LEDVANCE is the expert partner for installers and lighting professionals. To match our new VIVARES light management system our range also includes a broad portfolio of innovative LED lamps and LED luminaires as well as an LED Strip System in outstanding brand quality. Further information about our range of products and services is available online at <a href="https://www.ledvance.com">www.ledvance.com</a>

With our mobile apps and online tools you can calculate potential savings for your next LED project in no time at all, find a matching lamp or luminaire, and scroll through the latest catalogs: www.ledvance.com/tools

Partner:

