

LEDVANCE



FOR ILLUMINATING IDEAS  
AT WORK: INTELLIGENT AND  
MODERN OFFICE LIGHTING

# YOUR OFFICE LIGHTING GUIDE

DISCOVER THE BEST SOLUTIONS  
WITH LUMINAIRES AND  
LIGHT MANAGEMENT SYSTEMS



# POWER THROUGH LIGHT



## YOUR GLOBAL PLAYER **LEDVANCE**

Having emerged from the traditional company of OSRAM and with more than 100 years of lighting know-how behind us, we are now the world's second largest market player in general lighting. Together with the MLS Group, of which we have been a member since 2016, we are contributing to a more sustainable world with our advanced and energy-efficient lighting solutions.



## FOR YOUR PROJECTS **TOP SUPPORT**

Whether it's lighting advice, customised solutions, energy analyses or feasibility studies, lighting professionals can always rely on LEDVANCE's support – in over 140 countries and many different sectors, from office, education, sports and hospitality to shop, industrial, logistics and street lighting.



## LIGHTING FOR MORE **SUSTAINABILITY**

Our sustainability tagline "From line to loop" makes our vision to contribute to a greener planet and a better life with intelligent lighting solutions more real. Our new EVERLOOP and NATURELOOP product lines support the transition from linear to circular economic processes, reducing waste, and energy and resource consumption.



## A FULL RANGE OF LIGHTING **ONE-STOP SHOP**

LEDVANCE offers professional and private users everything from a single source – from lamps, luminaires and LED strips to innovative light management systems and smart home solutions. We have now added pioneering photovoltaic products to our portfolio of all-round excellent lighting solutions.



## OUR SOLUTIONS FOR **OFFICE LIGHTING**

In this brochure we present our latest ideas for office lighting that is precisely tailored to your needs – from LED luminaires and accessories to integrated light management systems. Whether for single rooms, meeting areas or open plan offices – planners and installers will find all the information on our highlight products and their potential savings as well as lighting plans designed for different room scenarios. Everything you need to take the next steps towards modern office lighting. Because for us, modern means modernising.

**Discover more on the following pages!**



**MORE INFORMATION:**  
[ledvance.com/professional](http://ledvance.com/professional)

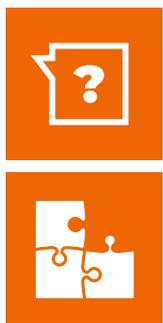
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## FINDING MADE EASY

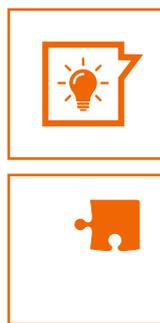
LOOK OUT FOR THESE SYMBOLS AND LET US GUIDE YOU.

### THE CHALLENGE:



Key aspects and lighting tasks you need to consider and resolve in this area.

### OUR SOLUTION:



**LED LUMINAIRES:  
THE BASIS**

**LIGHT MANAGEMENT:  
THE UPGRADE**

Ideal office luminaires and light control options from LEDVANCE for these requirements, including the most important advantages and features of an effective light management.

## SYMBOLS AND ABBREVIATIONS

IP	Type of protection	$\alpha^\circ$	Beam angle in °
IP20 IP44	Type of protection, back / front		Type of installation
IK	IK impact rating	MAX.	Max. number of connectable drivers
CRI	Color rendering index	MAX.	Max. number of connectable sensors and push-button couplers
SDCM $\leq 3$	MacAdam color consistency		Sensor installation height
	Dimmable/light control technology		Unit of packaging
lm	Luminous flux in lm		Protection class I
K	Color temperature in K		Protection class II
$\frac{\text{lm}}{\text{W}}$	Luminous efficacy		ENEC certification
	Guarantee		TÜV Süd certification
	Sensor grouping function		Replaceable components
	Motion/light sensor		MULTI COLOUR and/or MULTI LUMEN
	Ceiling opening		Compatible with light management systems
$T_a$	Ambient temperature		Compatible with cloud services*
L70	t [h]: L70/B50 @ 25 °C ( $T_a$ )		Human Centric Lighting
L80	t [h]: L80/B10 @ 25 °C ( $T_a$ )		Tunable White

## LIST OF ABBREVIATIONS

Em	Average Illuminance
LMS	Light management system
U0	Uniformity
UGR	Glare

\*IoT = Internet of Things. This means that the systems can provide evaluations in the form of dashboards or can be connected to cloud solutions that monitor energy consumption and maintenance cycles, for example.

# MODERN MEANS MODERNISATION

Different rooms call for different light. This is especially true for rooms we work in. Modern office lighting creates an environment where you can focus and feel comfortable at the same time, turning it into a great enhancement that contributes to an employer's image. And LEDVANCE provides the right solutions for this.

## OFFICE LIGHTING – GENERAL REQUIREMENTS



The following factors are particularly important to successfully plan and implement office lighting:

- All the data of the premises (height, mounting options, etc.) must be available.
- Precise plans (DWG file) and an overview of the equipment (desks, presentation boards, etc.) are an advantage.
- Knowing the age of the people who use the rooms is important for optimal adjustment of the lighting.
- UGR values are more important than illuminance.
- All labour law standards must be taken into account.

## TIPS FOR PLANNERS FROM PLANNERS

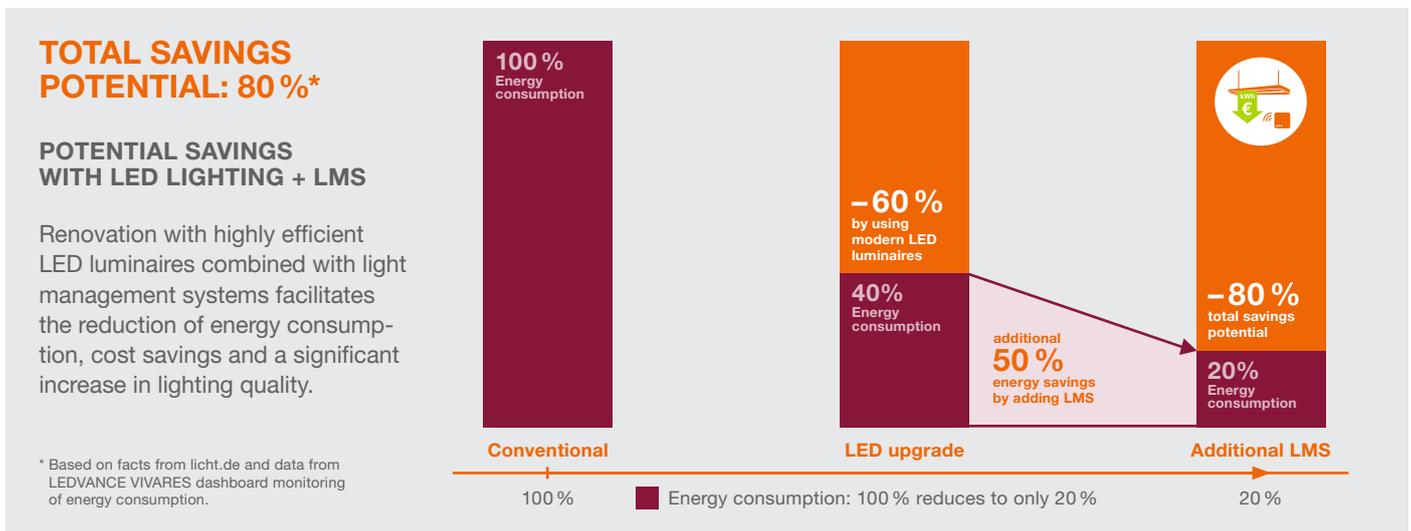
Comprehensive lighting planning is the basis for any good office lighting. These aspects are particularly important:

- All planning requires accurate data.
- A mix with other UGR-compatible luminaires allows for a better room appearance.
- Information on reflectance values (wall colours/floor types) allows for more accurate planning.
- Light management systems should be included in the planning wherever possible.



# LIGHT MANAGEMENT SYSTEMS – TOP BENEFITS

- 1 Individual, customisable light setup to increase the comfort level in working environments**
  - Select the preferred brightness for your needs.
  - Adjust the light colours to your mood from warm to cold.
- 2 Maximise energy cost savings of up to an additional 50%\* beyond LEDification and prolong luminaire's life**
  - Sensors taking over the light control: depending on presence and/or movement light will switch on and off.
  - If daylight is available from windows the artificial light level in the room is reduced.
  - Prolonged lifetime of luminaires due to decrease in hours of operation.
- 3 Human Centric Lighting – the advanced well-being light**
  - Benefit from positive effects to increase productivity and healthiness and reduce sick leave days.
  - Examples based on CBRE Healthy Offices study: Productivity +12%, Healthiness +50%.



## EVERYTHING FROM A SINGLE SOURCE – SERVICE FROM LEDVANCE

Are you looking for help with configuring your lighting systems – tailored to your individual project, from single rooms to complete floor solutions? Then you've come to the right place. LEDVANCE offers a unique all-round service and is your competent contact for all aspects of your project. See for yourself!

### ANY QUESTIONS? TALK TO US.

Are you interested in our services for your projects? Our project business experts are happy to advise you. You can reach us at [contact@ledvance.com](mailto:contact@ledvance.com) or by phone on +49 89 780673-600

All information of successful projects can be found here: [ledvance.com/projects](http://ledvance.com/projects)



Placeholder for Country individual content



# OPEN PLAN OFFICES

A modification of the illuminance (Em) from 500 lx to up to 750 lx is appropriate as soon as the visual task is critical to the work process. This is the case when areas such as an open plan office have little daylight, or the visual task requires high precision or is carried out for very long periods of time. An employee's eyesight below normal vision would also be a reason.

## YOUR CHALLENGE

Lighting has to meet certain criteria to make working in open plan offices pleasant and efficient:

- Correct implementation of the technical rules for workplaces, e. g. with regard to anti-glare properties (according to DIN EN 12464-1 2021:  $E_m > 500$  lx,  $U_0 > 0.6$ ;  $UGR < 19$ )
- Guaranteed identical lighting on walls and ceilings for all offices (wall:  $E_m > 150$  lx,  $U_0 > 0.1$ ; ceiling:  $E_m > 100$  lx,  $U_0 > 0.1$ )
- Pinpoint realisation of installations
- Precise matching of the lighting to existing or new ventilation or cooling installations



## OUR SOLUTION

LEDVANCE also enables customised lighting concepts for lighting your open plan offices:

- Lighting planning following the location of furniture
- Flexible adaptation to changing layout plans
- Comprehensive range of LEDVANCE luminaires with precisely matched anti-glare values
- Customer-focused expertise in the field by experienced lighting designers and sales experts
- Pinpoint lighting control through VIVARES (also for a change in positioning of tables and furniture)
- Lighting control also possible for daylight compensation and motion detection

# OUR HIGHLIGHT PRODUCTS

## PANEL FLEX

The innovative LED luminaire prioritises efficiency, flexibility and high quality for modern workspaces:

- Economical and highly efficient thanks to the MULTI LUMEN function and a very high lumen output up to 5216 lm and an efficacy of up to 170 lm/W
- Additional versions with DALI-2 or for emergency installations available
- Long lifetime: 100 000 h
- 7-year guarantee<sup>1</sup>



UP TO  
- 70 %  
ENERGY  
USE<sup>2</sup>

## PANEL COMFORT

Recessed panel luminaires with all comfort needed for modern offices:

- Up to 130 lm/W
- Up to 70 000 h (L80)
- MULTI LUMEN on driver (3 steps)
- CRI 90 versions additionally with MULTI COLOUR function
- UGR < 22/UGR < 19 versions
- VIVARES ready: DALI-2 or Zigbee 3.0 technology



UP TO  
- 60 %  
ENERGY  
USE<sup>3</sup>

## LINEAR INDIVIDUAL DIRECT/INDIRECT

This EVERLOOP luminaire offers convenient replacement of light source and LED driver, making it ideal for office and education applications:

- Clear focus on sustainability and circular economy
- Very good glare control (UGR < 19)
- MULTI LUMEN function
- Colour rendering CRI 90 and up to 137 lm/W
- VIVARES ready: DALI-2 and Zigbee
- Multiple mounting options



UP TO  
- 50 %  
ENERGY  
USE<sup>4</sup>

## LIGHT PLANNING FOR OPEN PLAN OFFICES

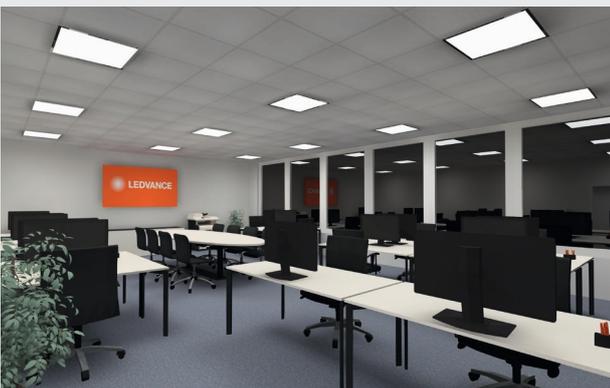
### PANEL FLEX: OPEN PLAN OFFICE WITH A FLOOR SPACE OF AROUND 70 m<sup>2</sup>

Reflectance: ceiling: 70 %, walls: 70 %, floor: 20 % | maintenance factor: 0.80 (general) | clear height: 2.8 m  
Installation height: 2.8 m | height (work level): 0.8 m | peripheral area (work level): 0 m

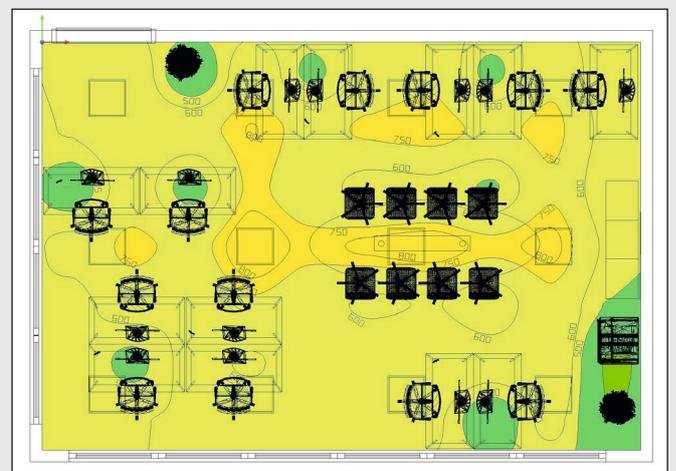
#### LIST OF MATERIALS

Pieces	Product number EAN	Product name
12	4099854276507	PL FLEX 600 S 30W 840 U19 PS

#### DIALUX 3-D PLAN



#### FLOORPLAN



10 20 30 50 75 100 200 300 500 750 1000 2000 [lx]

Isolux lines indicate the light levels reached at all surfaces of a room. This is to make sure that the light planning complies with norms of e.g. Em > 500 lx at desk surfaces.

<sup>1</sup> The exact conditions can be found at [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) | <sup>2</sup> Comparing the 3600 lm (22 W) version of PANEL FLEX to a 4 x 18 W fluorescent tube installation

<sup>3</sup> Comparing the 3640 lm (28 W) version of PANEL COMFORT to a 4 x 18 W fluorescent tube installation | <sup>4</sup> Compared to fluorescent lamps

# MEETING ROOM



## YOUR CHALLENGE

Meeting rooms provide the framework for successful collaboration. This includes lighting, which has to meet clear requirements:

- Correct implementation of the technical rules for workplaces, e.g. with regard to the different glare values when sitting or standing (according to DIN EN 12464-1 2021:  $E_m > 500 \text{ lx}$ ,  $U_0 > 0.6$ ;  $UGR < 19$ )
- Mostly several lighting moods and scenarios required
- Matching of the lighting to the arrangement of furniture and built-in equipment (e.g. projectors, air conditioning or loudspeakers)



## OUR SOLUTION

LEDVANCE allows you to elevate the lighting in your meeting rooms to the latest state of the art:

- Flexible planning and a comprehensive selection of luminaires for meeting rooms thanks to a wide range of LEDVANCE products
- Planning by our lighting design professionals conforming to standards and rules for workplaces
- The VIVARES light management systems enable different lighting scenarios depending on your requirements – with wired (DALI) or wireless (Zigbee) control
- Luminaires and light management systems from a single source

# OUR HIGHLIGHT PRODUCTS

## LINEAR INDIVILED DIRECT/INDIRECT

This EVERLOOP luminaire offers convenient upgrades of light source and LED driver, which makes it ideal for office and education applications:

- Focussing on sustainability and circular economy
- Very good glare control (UGR < 19)
- MULTI LUMEN function
- Excellent colour rendering CRI 90 and up to 137 lm/W
- VIVARES ready: DALI-2 and Zigbee
- Multiple mounting options

**BLACK IS BEAUTIFUL:** New black and white types available as on/off, DALI and DALI sensor versions



UP TO  
- 50 %  
ENERGY  
USE<sup>1</sup>



## ACCESSORIES LINEAR INDIVILED

Various accessories for our pendant lights are available separately as required:

- Suspension kit
- Inline, corner and infill connectors available as separate accessory in black and white
- Through-wiring cable kit

## DOWNLIGHT UGR19

This antiglare luminaire with UGR < 19 and cut-off angle up to 30° offers a comfortable solution for office use:

- Low flicker with < 10%
- Easy and quick installation
- Twist & Lock connector on DC side connector box, on AC side with 5-pole toolless terminal
- Through-wiring possible
- VIVARES ready: DALI-2 types available

UP TO  
- 60 %  
ENERGY  
USE<sup>1</sup>

## LIGHT PLANNING FOR MEETING ROOMS

### LINEAR INDIVILED AND DOWNLIGHT UGR19: MEETING ROOM WITH A FLOOR SPACE OF AROUND 35 m<sup>2</sup>

Reflectance: ceiling: 70 %, walls: 70 %, floor: 40 % | maintenance factor: 0.80 (general) | clear height: 2.8 m  
Installation height: 2.4–2.8 m | height (work level): 0.8 m | peripheral area (work level): 0 m

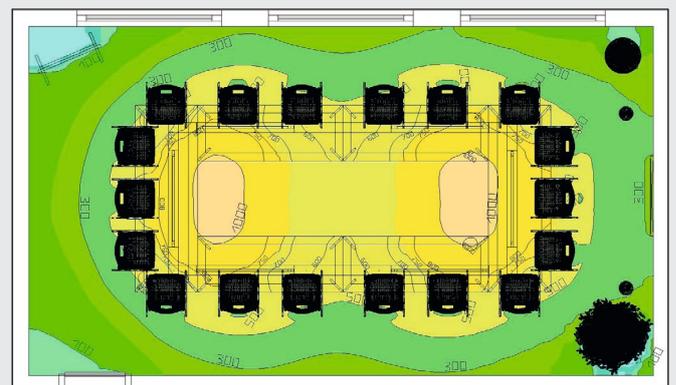
#### LIST OF MATERIALS

Pieces	Product number EAN	Product name
2	4058075459311	DOWNLIGHT UGR19 DALI DN155 14 W 840 WT IP54 DALI
6	4099854135576	LINEAR INDIVILED DIRECT/INDIRECT 1200 DALI 1200 P 54W 940 DAVR WT
4	4099854214905	LN INV CORNER CONNECTOR WT
2	4099854214868	LINEAR INV INFILL 1200 WT
4	4099854214820	LINEAR INDIVILED THROUGH-WIRING KIT
4	4099854215537	LINEAR INDIVILED SUSPENSION KIT

#### DIALUX 3-D PLAN



#### FLOORPLAN



10 20 30 50 75 100 200 300 500 750 1000 2000 [lx]

Isolux lines indicate the light levels reached at all surfaces of a room. This is to make sure that the light planning complies with norms of e.g. Em > 500 lx at desk surfaces.

<sup>1</sup> Compared to fluorescent lamps

# CORRIDORS AND STAIRS



## YOUR CHALLENGE

Stairwells and corridors are rooms with special functions and therefore have very specific lighting requirements:

- Correct implementation of the technical standards for traffic zones (DIN EN 12464-1 2021) and for stairs, escalators and moving walkways (DIN EN 12464-1 2021)
- Definition of mounting options for luminaires in staircases for optimal and efficient illumination
- Ideal integration of the mostly few light points in large staircases
- Installation of emergency and safety lighting on escape routes in accordance with regulations



## OUR SOLUTION

With a broad portfolio of luminaires, LEDVANCE offers exceptional lighting solutions for the exceptional conditions in stairwells and corridors:

- Great selection of efficiently designed luminaires with a large diameter, wide light emission and low glare – ideal for illuminating stairs even from great heights
- More light than prescribed in standard values
- Demand-oriented and efficient lighting through additional sensors such as presence detectors

# OUR HIGHLIGHT PRODUCTS

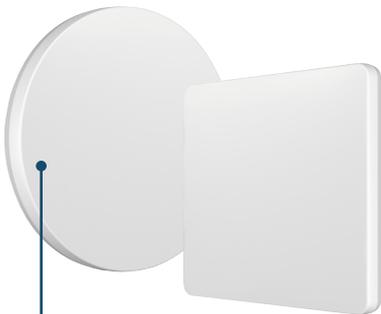
## STAIRS

With stairwell lighting safety always comes first. To minimise the risk of accidents, the individual steps have to be in clear contrast to each other. Wide-beam luminaires projecting light down from the top landing provide short, soft shadows, making each step easy to see.



## CORRIDORS

As traffic zones, corridors must ensure safety and orientation. They also represent the company and, as part of the architecture, should be put in the right light with innovative lighting.



### SURFACE FLAT

Highly versatile and sustainable surface and wall mount luminaires with a low profile:

- Selectable lumens (2 steps) and colour temperatures (3000 K/4000 K) combined with a high efficacy of up to 130 lm/W
- Following the EVERLOOP concept with upgradeable components
- Round or square shapes in two sizes (330/500 mm)
- Sensor setting directly at the luminaire saves energy and guarantees safety at the same time



### SURFACE CIRCULAR AND SQUARE

These luminaires are ideal solutions for efficient and safe lighting of stairs

- MULTI LUMEN and sensor versions available
- VIVARES-ready types with DALI-2 can be integrated into light management systems



### DOWNLIGHT COMFORT

This versatile downlight makes corridors and traffic zones shine:

- The MULTI COLOUR function allows to choose between three light colours
- Simple installation thanks to integrated driver
- Easy installation with fast connection



### ANY QUESTIONS? TALK TO US.

Are you interested in our services for your projects? Our project business experts are happy to advise you. All information of successful projects can be found here: [ledvance.com/projects](https://www.ledvance.com/projects)

# TEAM OFFICE



## YOUR CHALLENGE

Cooperation is the number one priority in team offices. And lighting can play its part in successful teamwork if it meets the most important requirements:

- Correct implementation of the technical rules for workplaces, e.g. with regard to anti-glare properties (according to DIN EN 12464-1 2021:  $E_m > 500 \text{ lx}$ ,  $U_0 > 0.6$ ;  $UGR < 19$ )
- Adjustment of the lighting to the arrangement of the tables
- Consideration of possible glare from individual luminaires when several tables are arranged in a row
- Definition of ideal positioning options for the luminaires



## OUR SOLUTION

LEDVANCE presents a comprehensive range of lighting solutions that can be tailored to individual needs in team offices:

- Adjustment of the lighting mood to personal preferences using Tunable White (TW) or Human Centric Lighting (HCL) luminaires
- Wired (DALI) or wireless (Zigbee) control options available as needed
- Comprehensive HCL solutions with LEDVANCE's VIVARES light management systems for an optimal working environment
- Increased efficiency and additional energy savings through presence detection and daylight compensation
- Luminaires and light management systems from a single source

# OUR HIGHLIGHT PRODUCTS



## BIOLUX HCL LED STRIP

Used as general, cove or accent lighting, the LEDVANCE LED Strip System is a fascinatingly flexible solution and a real team player in offices:

- The Tunable White LED strip can be combined with VIVARES HCL
- Light colours from 2700K to 6500K
- Lumen outputs from 500 to 2000 lm/m



## SET OF PRODUCTS ZIGBEE KIT

- 1 x LED Strip Superior 2000 lm/m TW (4058075436084)
- OTi Dali driver 160 W/220-240/24 2CH DT6/8 (4062172177948)
- Zigbee Dali converter (4062172044776) with strain relief ECO CI KIT (4008321392091)



## PANEL TW/HCL ZIGBEE

Panel luminaire for office applications that enables an individual Tunable White and/or Human Centric Lighting solution in combination with compatible DALI-2 and Zigbee lighting controls:

- High system efficacy with up to 115 lm/W
- Low flicker light
- Good glare reduction of UGR < 19
- VIVARES ready: DALI-2 (HCL) as well as Zigbee (HCL).



## LIGHT PLANNING FOR TEAM OFFICES

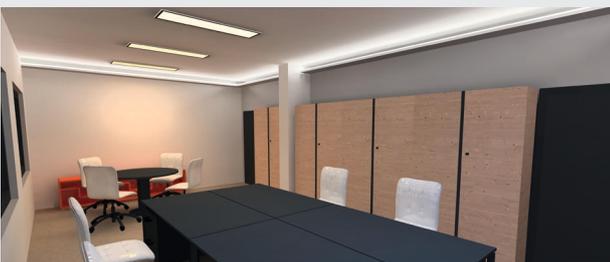
### BIOLUX HCL LED STRIP AND PANEL TW/HCL: TEAM OFFICE WITH A FLOOR SPACE OF AROUND 35m<sup>2</sup>

Reflectance: ceiling: 70 %, walls: 70 %, floor: 30 % | maintenance factor: 0.80 (general) | clear height: 2.8 m  
Installation height: 2.7–2.8 m | height (work level): 0.8 m | peripheral area (work level): 0 m

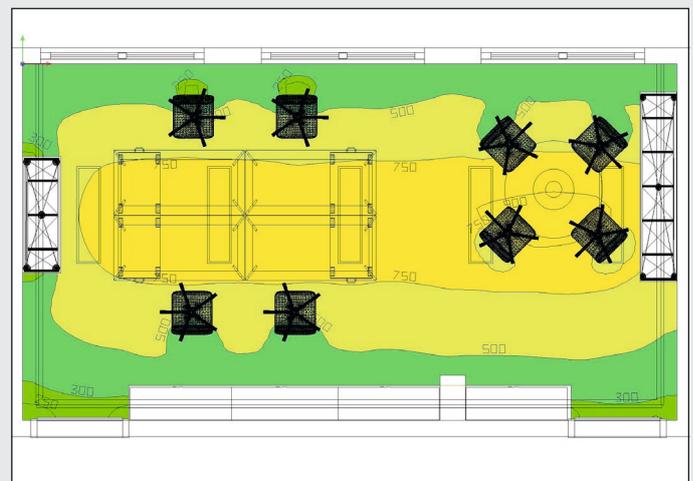
#### LIST OF MATERIALS

Pieces	Product number EAN	Product name
5	4058075724587	BIOLUX HCL PANEL ZIGBEE GEN 2 1200 S 37W TW ZB, 16 m in total
4	4058075436084	LED STRIP SUPERIOR-2000 TW - 2000/TW/927-965/5
9	4058075401440	LED Strip Profiles Wide - PW01/U/26X8/14/2
9	4058075401952	Cover: LS AY-PC/W01/D/2
3	4058075277335	Endcaps: LS AY-PW01/EC
16	4058075276611	Mounting brackets: LS AY-PW01/MB
1	4058075724624	BIOLUX HCL CONTROL UNIT S ZB

#### DIALUX 3-D PLAN



#### FLOORPLAN



Isolux lines indicate the light levels reached at all surfaces of a room. This is to make sure that the light planning complies with norms of e.g. Em>500 lx at desk surfaces.

<sup>1</sup> Compared to fluorescent lamps

NO REGISTRATION  
REQUIRED!

LEDVANCE<sup>1</sup>  
**7** year  
system  
guarantee

**DID YOU KNOW?**

There is a 7-year  
guarantee on systems.

A LEDVANCE system  
comprises DALI/  
Zigbee luminaires  
and the respective  
control units and  
optional sensors or  
pushbutton couplers.

[ledvance.com/  
guarantee](http://ledvance.com/guarantee)



# VIVARES

With the VIVARES light management systems, LEDVANCE offers both single room solutions up to 200m<sup>2</sup> and floor solutions up to 1000m<sup>2</sup>. Benefit from:

- ▶ control units, luminaires, LED tubes and lamps, sensors and pushbutton couplers from one supplier
- ▶ simple configuration and commissioning from plug and play to more complex, customisable solutions or app control
- ▶ individual support – from lighting planning to commissioning of the system and on-site instruction
- ▶ comprehensive after-sales service
- ▶ a 7-year system guarantee<sup>1</sup>



## OPEN STANDARDS – ENDLESS POSSIBILITIES

### 1. FOR ELECTRICAL INSTALLERS AND LIGHT PLANNERS:

- **Enhanced compatibility:** Easily integrate our products with other standard-compliant devices from third-party manufacturers.
- **Future-proof solution:** Our open standard ensures long-term security and independence. This is especially relevant as your existing installation remains compatible with other third-party controls.
- **Promote seamless integration:** Our products are as ideal for third-party systems, making installation and maintenance straightforward.

### 2. FOR END CUSTOMERS:

- **Seamless integration:** Our products work seamlessly with other standard-compliant devices, ensuring a hassle-free setup.
- **Peace of mind:** Our open standard means you're not tied to a single control system. This is especially relevant as your existing installation remains compatible with other third-party controls.
- **Smart choice:** Our products are designed for easy integration into third-party systems, providing flexibility and convenience.

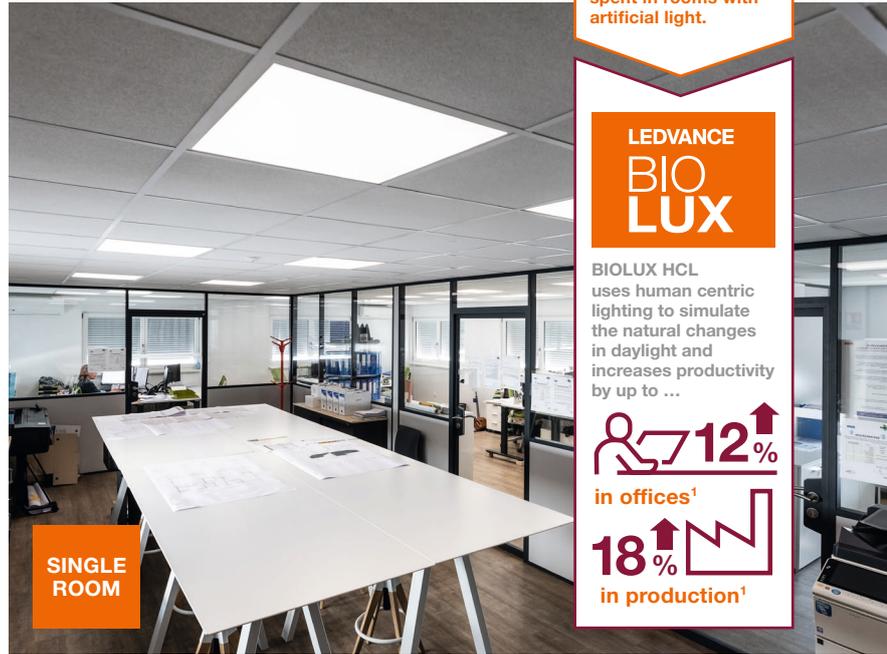
<sup>1</sup>[ledvance.com/guarantee](http://ledvance.com/guarantee)

# ONE ROOM – MANY SOLUTIONS

VIVARES offers solutions for single rooms with a size of up to 200 m<sup>2</sup> based on individually configured light management systems, including up to 50 DALI or 40 Zigbee components and luminaires. Simple, intuitive control from manual and automated lighting control with sensors to app solutions.

## YOUR BENEFITS:

- ▶ Clear: one room, one system – install and forget
- ▶ Simple: fully functional LMS following installation
- ▶ Flexible: manual and automatic lighting control
- ▶ Energy-efficient: optimal energy savings achieved through lighting control – after switching to LED
- ▶ Feel-good factor: the BIOLUX HCL Human Centric Lighting system for a positive biological effect with a possible increase in productivity
- ▶ Customisable: Tunable White solutions with adjustable light colours thanks to a wide range of VIVARES control units



90%  
... of daytime is spent in rooms with artificial light.

**LEDVANCE BIOLUX**

BIOLUX HCL uses human centric lighting to simulate the natural changes in daylight and increases productivity by up to ...

12%  
in offices<sup>1</sup>

18%  
in production<sup>1</sup>

# MANY ROOMS – ONE SOLUTION

  
Light management systems are supposed to be complex.

- LEDVANCE helps you to get off to a great start on your LMS journey:
-  Installation
  -  Project planning
  -  Energy monitoring and maintenance assistance

  
Many satisfied customers<sup>1</sup>



One light management system for an entire floor? No problem for VIVARES DALI and Zigbee control units. One centrally controlled system can be used across multiple rooms (up to 1000 m<sup>2</sup>) with optional IoT\* functions. However, the lighting of each room within the floor solution can still be controlled and adjusted separately. Lighting options such as scenes or Tunable White and Human Centric Lighting personalise the light in rooms.

## YOUR BENEFITS:

- ▶ Versatile: one system for all requirements
- ▶ Independent: remote access without needing to be present to configure the light management system
- ▶ Transparent: optional VIVARES cloud services with energy consumption monitoring and maintenance management – always keeping an eye on costs
- ▶ Just in time: time settings for individual lighting scenes
- ▶ All options: from standard monochromatic light and Tunable White to biologically effective light with the BIOLUX HCL Human Centric Lighting system through the **FLEX CU IoT DALI-2 HCL TW** control unit (available from Dec. 2024)

  
**YOUR CONTRIBUTION TO CARBON FOOTPRINT REDUCTION**

Switching to LED and installing automated lighting control on top of that is a crucial step in reducing the carbon footprint of lighting.

**DO YOU NEED INFORMATION ON OUR PRODUCTS?**

Our experts are happy to advise you. Get in touch with us: [contact@ledvance.com](mailto:contact@ledvance.com)



Country-individual contact

\*IoT = Internet of Things. This means that the systems can provide evaluations in the form of dashboards or can be connected to cloud solutions that monitor energy consumption and maintenance cycles, for example. | <sup>1</sup>Proven by reference projects

# SINGLE OFFICE WIRED LIGHT CONTROL

DALI-2



## YOUR CHALLENGE

### APPLICATION DESCRIPTION

The new installation of light management systems in single offices comes with clear expectations of their performance:

- Automated lighting in order to save energy, use of presence sensors
- Possibility to override automated lighting
- Features or other desired adjustments (On/Off, Dim, scenes,...) via pushbuttons



## OUR SOLUTION

### YOUR LMS ADVANTAGES

LEDVANCE light management systems also offer you concrete solutions for use in single offices:

- Single room solution in broadcast mode
- Use LEDVANCE sensor DALI-2 LS-PD-6 IR CI and standard pushbutton input at FLEX CU FLUSH MOUNT DALI-2 TW
- Save energy and CO<sub>2</sub>

# WIRED – DETAILED SOLUTION



Are you looking for the best wired lighting solution for single offices? No problem. With the VIVARES light management systems, you can optimise the efficiency of your lighting system while saving costs and reducing your CO<sub>2</sub> footprint. See for yourself!



## LIST OF MATERIALS

PRODUCT PICTURE				
KEY IMAGE ON FLOORPLAN				
DESIGNATION	<b>LED PANELS:</b> PL CMFT 600 P 33W 840 U19 DALIVR	<b>SENSOR(S):</b> DALI-2 LS-PD-6 IR CI	<b>PUSHBUTTON COUPLER(S):</b> PUSHBUTTON COUPLER DALI-2	<b>CONTROL UNIT:</b> FLEX CU FLUSH MOUNT DALI-2 TW
EAN	4099854015229	4058075837621	4058075837607	4058075841901
QUANTITY	4	1	1	1

**SINGLE ROOM**

**AUTOMATED LIGHTING**

**MANUAL LIGHTING**

**DALI-2**

**ENERGY + CO<sub>2</sub> SAVINGS WITH LED + VIVARES UP TO 90%<sup>1</sup>**

## COMPONENTS

### CONTROL

- Automatic control to adapt the light to individual needs
- Commissioning via app – Bluetooth interface
- Up to 32 devices (luminaires + sensors) can be controlled
- Light adjustable as well via app and/ or pushbuttons

### SENSORS

- DALI-2 certified input device
- Occupancy detection via PIR element
- Light sensor integrated for daylight harvesting

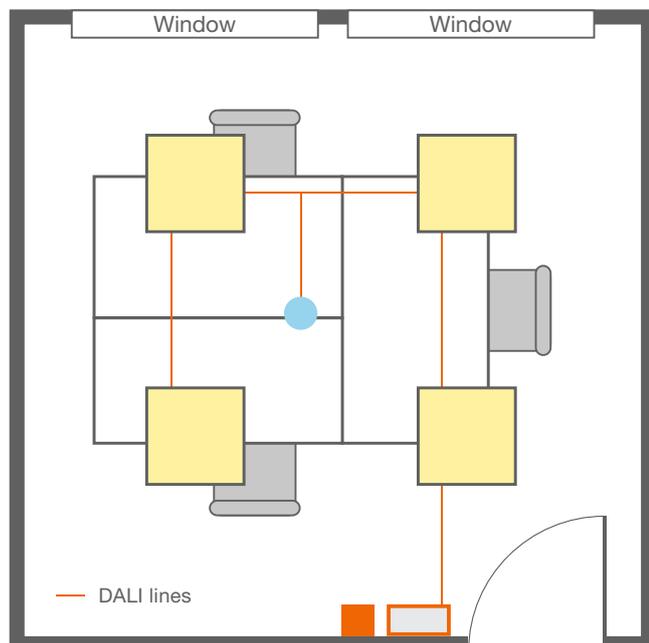
### FEATURES

- **Light control:** DIM | app\*
- **Sensor control:** occupancy | daylight harvesting (DLH)
- **System:** grouping\* | scene

\*Optional features that can be used with the same components

## FLOORPLAN

**ROOM DIMENSIONS:** 4 m × 4 m  
**HEIGHT:** 2.7–2.8 m as standard for offices



Toggle On/Off Scene

<sup>1</sup>Up to 30% more savings on top of LED (LEDification up to 60% savings), compared to an installation without LMS and traditional T8 4 × 18W replaced by LEDVANCE LED-Panel (30W)

# SINGLE OFFICE WIRELESS LIGHT CONTROL

ZIGBEE



## YOUR CHALLENGE

### APPLICATION DESCRIPTION

When converting and renovating single offices, there are specific requirements, particularly with regard to the installation of a light management system:

- Renovation of traditional fluorescent luminaires, no feasibility to install additional wiring for lighting control
- Single office with automated lighting in order to save energy, use of presence sensors
- Possibility to override automated lighting for On/Off and dimming via pushbutton



## OUR SOLUTION

### YOUR LMS ADVANTAGES

With VIVARES from LEDVANCE you can take advantage of all the strengths of an innovative light management system in single offices, even without wiring:

- Single room solution based on wireless technology Zigbee 3.0
- Save time and effort during installation as no lines are required
- Reduced use of materials
- Use LEDVANCE VIVARES ZB CONTROL, LEDVANCE VIVARES ZB L/O SENS 220-240 and LEDVANCE VIVARES ZB COUPLER
- Save energy and CO<sub>2</sub>

# WIRELESS – DETAILED SOLUTION



How can single offices be ideally lit without wiring? That's where light management systems from VIVARES provide tailor-made lighting concepts. Just get in touch with us. We'll find a convenient, efficient and reliable solution for your premises.



## LIST OF MATERIALS

PRODUCT PICTURE				
KEY IMAGE ON FLOORPLAN				
DESIGNATION	<b>LED PANELS:</b> PL CMFT 600 P 33W 840 U19 ZBVR	<b>SENSOR(S):</b> VIVARES ZB L/O SENS	<b>PUSHBUTTON COUPLER(S):</b> VIVARES ZB COUPLER	<b>CONTROL UNIT:</b> VIVARES ZB CONTROL
EAN	4099854014239	4058075446182	4058075463806	4058075427488
QUANTITY	4	1	1	1

**SINGLE ROOM**

**AUTOMATED LIGHTING**

**MANUAL LIGHTING**

**ZIGBEE**

**ENERGY + CO<sub>2</sub> SAVINGS WITH LED + VIVARES UP TO 90%<sup>1</sup>**

## COMPONENTS

### CONTROL

- Automatic control to adapt the light to individual needs
- Up to 200 devices (luminaires + sensors) can be controlled.
- Light adjustable as well via pushbuttons

### SENSORS

- Zigbee 3.0 device
- Occupancy detection via PIR element
- Light sensor integrated for daylight harvesting

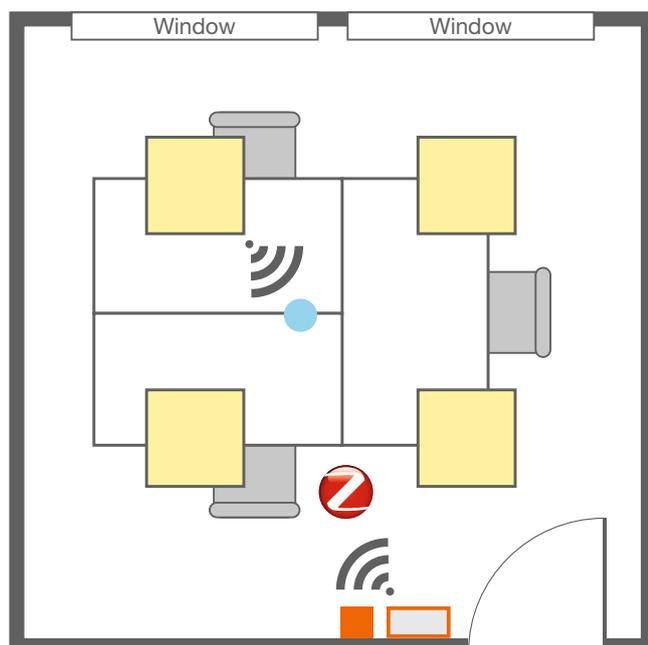
### FEATURES

- **Light control:** DIM
- **Sensor control:** occupancy | daylight harvesting (DLH)
- **System:** grouping\* | scene | schedule\*

\*Optional features that can be used with the same components

## FLOORPLAN

**ROOM DIMENSIONS:** 4 m × 4 m  
**HEIGHT:** 2.4–2.8 m as standard for offices



<sup>1</sup>Up to 30% more savings on top of LED (LEDification up to 60% savings), compared to an installation without LMS and traditional T8 4 × 18W replaced by LEDVANCE LED-Panel (30W)

Toggle On/Off Scene

# OPEN PLAN OFFICE WIRED LIGHT CONTROL

DALI-2



## YOUR CHALLENGE

### APPLICATION DESCRIPTION

Wired light management systems are the basis for a modern and effective lighting solution in open plan offices – provided that they meet the essential requirements:

- Automated lighting in order to save energy, use of presence sensors
- Possibility to override automated lighting
- Features or other desired adjustments (On/Off, Dim, scenes,...) via pushbuttons



## OUR SOLUTION

### YOUR LMS ADVANTAGES

For open plan offices, wired light management systems from VIVARES can be the perfect answer to all your lighting issues. See for yourself:

- Go for DALI control unit OSRAM DALI PRO 2 IOT LDVV
- Use LEDVANCE sensor DALI-2 LS-PD-8 IR CI and LEDVANCE PUSHBUTTON COUPLER DALI-2
- Adjust lighting levels and groups as desired
- Save energy and CO<sub>2</sub>

# WIRED – DETAILED SOLUTION



Successful work in open plan offices is always a question of precisely harmonised light management. With the light management systems from VIVARES, LEDVANCE also presents offerings for wired versions that are convincing in terms of function, economy and ecology.

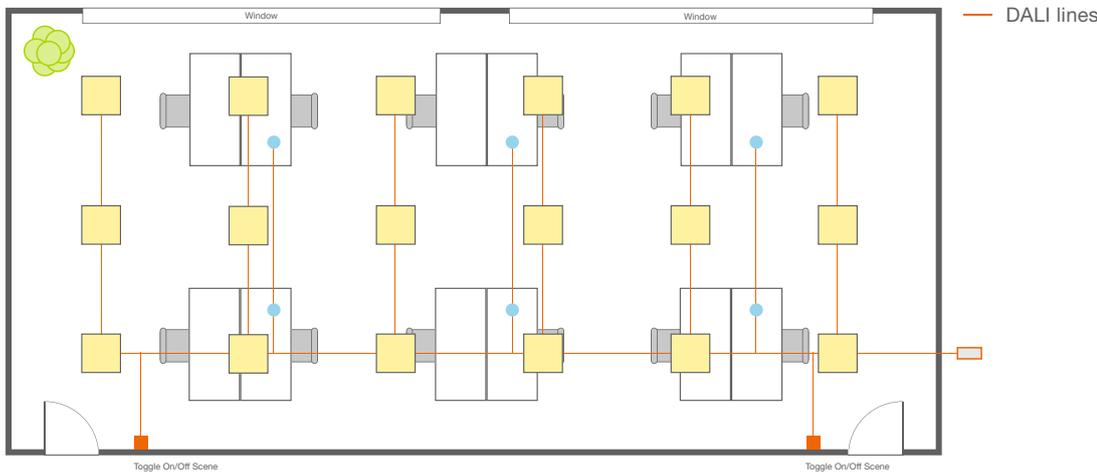


## LIST OF MATERIALS

PRODUCT PICTURE				
KEY IMAGE ON FLOORPLAN				
DESIGNATION	<b>LED PANELS:</b> PL CMFT 600 P 33W 840 U19 DALIVR	<b>SENSOR(S):</b> DALI-2 LS-PD-8 IR CI	<b>PUSHBUTTON COUPLER(S):</b> PUSHBUTTON COUPLER DALI-2	<b>CONTROL UNIT:</b> OSRAM DALI PRO 2 IOT LDVV (FLEX CU IoT DALI-2 HCL TW available from Dec. 2024)
EAN	4099854015229	4058075841949	4058075837607	4052899627079 (4058075841888)
QUANTITY	18	6	2	1

## FLOORPLAN

**ROOM DIMENSIONS:** 16 m × 7 m  
**HEIGHT:** 2.8 m as standard for offices



**MULTI ROOM**

**AUTOMATED LIGHTING**

**MANUAL LIGHTING**

**DALI-2**

## COMPONENTS

### CONTROL

- Automatic control to adapt the light to individual needs
- Commissioning via PC tool
- Up to 128 devices (luminaires + sensors) can be controlled.
- Light adjustable as well via app and/or pushbuttons

### SENSORS

- DALI-2 certified input device
- Occupancy detection via PIR element
- Integrated shutters
- Light sensor integrated for daylight harvesting

### FEATURES

- **Light control:** DIM | app\*
- **Sensor control:** occupancy | daylight harvesting (DLH)
- **System:** grouping | scene | schedule

\*Optional features that can be used with the same components

ENERGY + CO<sub>2</sub> SAVINGS WITH LED + VIVARES UP TO

**85 %<sup>1</sup>**

<sup>1</sup>Up to 30% more savings on top of LED (LEDification up to 55% savings), compared to an installation without LMS and traditional 4 × 18W replaced by LEDVANCE LED-Panel (36W)

# OPEN PLAN OFFICE WIRELESS LIGHT CONTROL

Transmission of signal between luminaires up to 10m. The material and composition of walls has to be considered to avoid signal blocking by e.g. steel. Ideally the light planning follows the building infrastructure.

ZIGBEE



## YOUR CHALLENGE

### APPLICATION DESCRIPTION

Open plan offices can also be equipped with wireless light management systems. Especially when it is not feasible to install extra wires for light control. This is particularly important:

- Automated lighting in order to save energy
- Use of presence sensors
- Possibility to override automated lighting for e. g. presentations (On/Off, Dim, scenes,...) via pushbuttons



## OUR SOLUTION

### YOUR LMS ADVANTAGES

VIVARES Zigbee from LEDVANCE offers an easy and effective way to achieve groundbreaking light management in open plan offices:

- Save time and effort during installation as no extra lines are required
- Reduced use of materials
- Use LEDVANCE VIVARES ZB CONTROL, LEDVANCE VIVARES ZB L/O SENS 220-240 and LEDVANCE VIVARES ZB COUPLER
- Adjust lighting levels and groups as desired
- Save energy and CO<sub>2</sub>

# WIRELESS – DETAILED SOLUTION



Whether you're refurbishing or installing new lighting, you can use the wireless VIVARES light management systems from LEDVANCE to design the lighting in your open plan offices efficiently, individually and in an environmentally friendly way – and with little effort in terms of installation and materials.

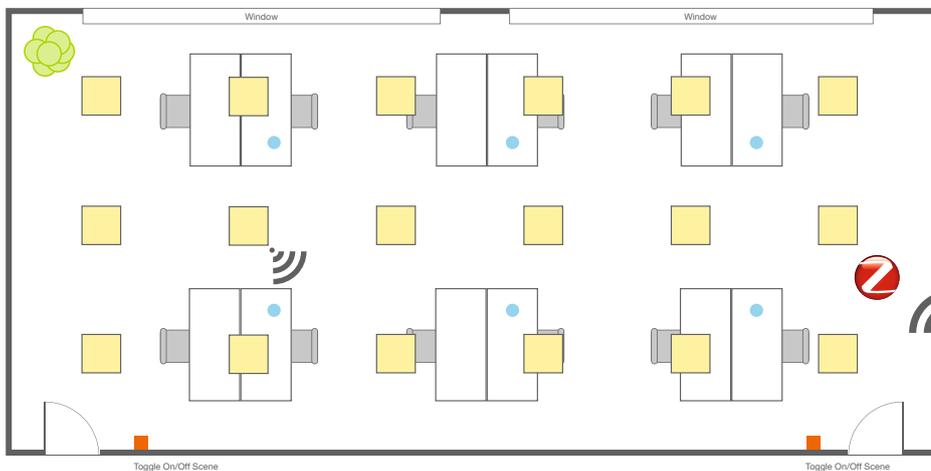


## LIST OF MATERIALS

PRODUCT PICTURE				
KEY IMAGE ON FLOORPLAN				
DESIGNATION	<b>LED PANELS:</b> PL CMFT 600 P 33W 840 U19 ZBVR	<b>SENSOR(S):</b> VIVARES ZB L/O SENS	<b>PUSHBUTTON COUPLER(S):</b> VIVARES ZB COUPLER	<b>CONTROL UNIT:</b> VIVARES ZB CONTROL
EAN	4099854014239	4058075446182	4058075463806	4058075427488
QUANTITY	18	6	2	1

## FLOORPLAN

**ROOM DIMENSIONS:** 16m x 7 m  
**HEIGHT:** 2.8m as standard for offices 500 Lux



**MULTI ROOM**

**AUTOMATED LIGHTING**

**MANUAL LIGHTING**

**ZIGBEE**

## COMPONENTS

### CONTROL

- Automatic control to adapt the light to individual needs
- Up to 200 devices (luminaires + sensors) can be controlled
- Light adjustable as well via pushbuttons

### SENSORS

- Zigbee 3.0 device
- Occupancy detection via PIR element
- Light sensor integrated for daylight harvesting

### FEATURES

- Light control: DIM
- Sensor control: occupancy | daylight harvesting (DLH)
- System: grouping | scene | schedule

ENERGY + CO<sub>2</sub> SAVINGS WITH LED + VIVARES UP TO **85%**<sup>1</sup>

<sup>1</sup>Up to 30% more savings on top of LED (LEDification up to 55% savings), compared to an installation without LMS and traditional 4 x 18W replaced by LEDVANCE LED-Panel (36W)



# WHATEVER YOU WANT WE CAN DO IT

## TAILOR-MADE LIGHTING SOLUTIONS

We develop lighting solutions that meet your requirements, whether it's housing colour, connections, installation or something completely different.

Contact us: [contact@ledvance.com](mailto:contact@ledvance.com)

Placeholder for Country individual content

### LEDVANCE PROJECT SERVICES: CONFIGURATION – PERSONALISATION – TECHNICAL DEVELOPMENT

Even the smallest changes can turn a good lighting solution into a perfect one. Do you want to integrate a presence sensor? Perhaps tweak the wiring and connections? Or adjust the housing colours of the luminaires? With LEDVANCE PROJECT SERVICES we make all this possible for you and much more.

Depending on requirements, the LEDVANCE PROJECT SERVICES programme comprises three stages – from a slightly modified standard solution to a completely customised product:

- **Configuration:** We adapt products from our portfolio to precisely suit your needs by replacing individual components.
- **Customisation:** We modify our products to meet your individual requirements.
- **Engineering:** We develop and deliver special solutions outside our range together with our European partners.



### CASE STUDIES OFFICE

Do you want to know how our office lighting solutions work in real life? We've put together some case studies:



## GOOD LIGHT ALL ROUND – THE FULL LEDVANCE RANGE

LEDVANCE offers a wide portfolio of energy-efficient and future-proof lighting solutions. Whether you need luminaires, lamps, HCL systems, electronic components or light management systems, LEDVANCE is your expert partner for complex lighting projects – with excellent brand quality, professional service and a good price/performance ratio.

### FUNCTIONAL AESTHETIC LUMINAIRES

The extensive luminaire portfolio covers virtually all professional and residential applications and delivers outstanding quality and functionality. LEDVANCE provides a constantly growing number of luminaires that communicate via DALI standard or Zigbee protocol – even IoT functionalities via cloud services are possible. Our systems offer users tunable white light according to their personal preferences or biologically effective light for more well-being.

### HIGHLY EFFICIENT LAMPS

Our new professional LEDVANCE LED lamp portfolio offers you a comprehensive selection of shapes and base sizes as well as types with additional functions (e.g. sensors) to cover a wide variety of demands – all EU-compliant, future-proof, energy-efficient and cost-effective.

### FLEXIBLE LED STRIP SYSTEM

The LED Strip System comprises a large number of flexible LED strips, drivers and matching accessories. With a wide range of

luminous fluxes and light colours, the system allows bespoke lighting solutions. And with our Cut on Demand service we design customer-specific project solutions for virtually any indoor or outdoor application.

### LIGHT MANAGEMENT IS VIVARES

With the VIVARES light management systems (LMS), LEDVANCE offers everything for optimising your light and saving energy, CO<sub>2</sub> and costs at the same time. Both floor solutions up to 1000 m<sup>2</sup> and single room solutions up to 200 m<sup>2</sup> are covered by the exactly fitting LMS components and compatible light sources. The systems are simple in configuration and commissioning from plug & play to more complex, customisable solutions or app control and come with a 5-year guarantee.

### SMART LIGHTING FOR RESIDENTIAL APPLICATIONS

Our smart residential products offer a comprehensive combination of innovation, quality, reliability and user friendliness. We provide a suitable solution for a variety of requirements that intelligent lighting has to meet.

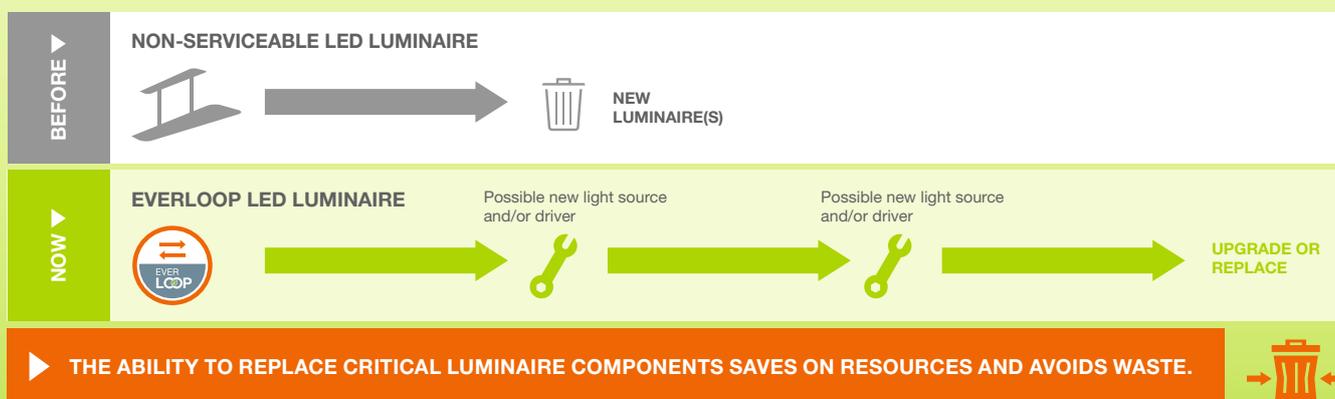
# WHAT MAKES US SPECIAL OUR CLEVER FEATURE BRANDS

We make light brilliant for you – brilliantly sustainable and brilliantly versatile. With our clever EVERLOOP and MULTI SELECT feature brands, we not only set standards with regard to resource management and waste prevention, but also when it comes to practical and individual control of your luminaires' light colour and luminous flux.



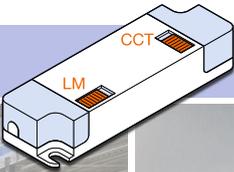
## OUR SUSTAINABLE FEATURE

In contrast to conventional LED luminaires, LEDVANCE EVERLOOP luminaires can be upgraded with new drivers and new LED light sources at any time. So they have an almost unlimited lifespan. Visit [ledvance.com/everloop](http://ledvance.com/everloop) for more information.



## OUR VERSATILE FEATURE

The perfect luminaire adapts to its environment. The ultra-long-life LED luminaires from the LEDVANCE MULTI SELECT range allow you to easily set the luminous flux (lm) and/or light colour on the driver or luminaire by hand. Visit [ledvance.com/multiselect](http://ledvance.com/multiselect) for more information.

SELECT THE LUMINOUS FLUX AND/OR THE ...  ... COLOUR TEMPERATURE ON THE LUMINAIRE




### MULTI LUMEN SPECIAL FEATURES

- LED luminaires with variable luminous flux (lumen)
- Easy-to-set luminous flux via switch on the driver or luminaire before installation
- Practical solution for optimal illumination, e.g. for different ceiling heights



### MULTI COLOUR SPECIAL FEATURES

- LED luminaires with up to three different colour temperatures (warm white, cold white, daylight white)
- Easy-to-set light colour via switch on the driver or luminaire on-site
- Adjust the light colour to specific requirements before installation



## PANEL FLEX 600/625

Product name	EAN (GTIN)	Replace-ment for	W	lm	lm/W	K	L80 <sup>1</sup>	°	☺	Suitable for Central battery systems	L x W x H [mm] Ø x H [mm]
<div style="text-align: right;">        </div>											
<b>PANEL FLEX PS</b>											
PL FLEX 600 S 30W 840 PS	4099854276484	4 x 18 W	30/25/21/17	4860/4130/3510/2880	162/165/167/169	4000	100000	120	—	✓	595 x 595 x 32
PL FLEX 625 S 32W 840 PS	4099854276545	4 x 18 W	32/27/22/17	5220/4460/3680/2890	163/165/167/170	4000	100000	120	—	✓	620 x 620 x 32
<div style="text-align: right;">         </div>											
<b>PANEL FLEX UGR19 PS</b>											
PL FLEX 600 S 30W 840 U19 PS	4099854276507	4 x 18 W	30/25/21/17	4860/4130/3510/2880	162/165/167/169	4000	100000	90	—	✓	595 x 595 x 32
PL FLEX 600 S 30W 830 U19 PS	4099854276521	4 x 18 W	30/25/21/17	4800/4050/3450/2830	160/162/164/166	3000	100000	90	—	✓	595 x 595 x 32
PL FLEX 625 S 32W 840 U19 PS	4099854276569	4 x 18 W	32/27/22/17	5220/4460/3680/2890	163/165/167/170	4000	100000	90	—	✓	620 x 620 x 32
PL FLEX 625 S 32W 830 U19 PS	4099854276583	4 x 18 W	32/27/22/17	5160/4380/3610/2830	161/162/164/166	3000	100000	90	—	✓	620 x 620 x 32
<div style="text-align: right;">           </div>											
<b>PANEL FLEX DALI</b>											
PL FLEX 600 DALI S 30W 840	4099854276606	4 x 18 W	30	4860	160	4000	100000	120	✓	✓	595 x 595 x 32
PL FLEX 625 DALI S 32W 840 DALI	4099854276774	4 x 18 W	32	5220	160	4000	100000	120	✓	✓	620 x 620 x 32
<div style="text-align: right;">            </div>											
<b>PANEL FLEX UGR19 DALI</b>											
PL FLEX 600 DALI S 30W 840 U19 DALI	4099854276620	4 x 18 W	30	4860	160	4000	100000	90	✓	✓	595 x 595 x 32
PL FLEX 600 DALI S 30W 830 U19 DALI	4099854276750	4 x 18 W	30	4800	155	3000	100000	90	✓	✓	595 x 595 x 32
PL FLEX 625 DALI S 32W 840 U19 DALI	4099854276798	4 x 18 W	32	5220	160	4000	100000	90	✓	✓	620 x 620 x 32
PL FLEX 625 DALI S 32W 830 U19 DALI	4099854276811	4 x 18 W	32	5160	155	3000	100000	90	✓	✓	620 x 620 x 32

Product name	EAN (GTIN)	W	l <sub>mA</sub>	Hz	V	T <sub>a</sub>	t <sub>in</sub> <sup>1</sup>	Suitable for Central battery systems	L x W x H [mm] Ø x H [mm]
<div style="text-align: right;">    </div>									
<b>PANEL FLEX REPLACEMENT DRIVER</b>									
DR DS-P-30/220-240/700 PL FLEX 600*	4058075843684	30/25/21/17	700/600/500/410	0/50/60	220 – 240V	-10...+50	100000	✓	125 x 60 x 30
DR DS-P-32/220-240/750 PL FLEX 625*	4058075843691	32/27/21/17	750/630/510/410	0/50/60	220 – 240V	-10...+50	100000	✓	125 x 60 x 30

## PANEL COMFORT CRI 90 600/625 UGR<19

Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>1</sup>	°	☺	L x W x H [mm] Ø x H [mm]
<div style="text-align: right;">         </div>									
<b>PANEL COMFORT CRI 90 600/625 UGR&lt;19</b>									
PL CMFT 600 P 36W 930 940 U19 CPS CRI90	4058075694460	36.0/29.5	4200/4000/3600/3400	112/115/118/122	3000/4000	60000	90	—	595 x 595 x 35
PL CMFT 625 P 36W 930 940 U19 CPS CRI90	4058075694484	36.0/29.5	4200/4000/3600/3400	112/115/118/122	3000/4000	60000	90	—	620 x 620 x 35
<div style="text-align: right;">            </div>									
<b>PANEL COMFORT CRI 90 600/625 UGR&lt;19 DALI</b>									
PL CMFT 600 P 36W 930 940 U19 DALI VR CS CRI90	4058075694507	36.0	4200	118	3000/4000	60000	90	DALI-2/loT	595 x 595 x 35
PL CMFT 625 P 36W 930 940 U19 DALI VR CS CRI90	4058075694521	36.0	4200	118	3000/4000	60000	90	DALI-2/loT	620 x 620 x 35

<sup>1</sup>t[h]: L70/B50 @ 25 °C (T<sub>a</sub>); t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup>All LEDVANCE DALI-2 and LEDVANCE Zigbee 3.0 luminaires which are IoT-ready support the transfer and monitoring of energy data and maintenance data

<sup>4</sup>Replacement ON/OFF drivers. Serviceable Lightsources on request

## LINEAR INDIVILED DIRECT/INDIRECT WHITE VERSIONS

Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>1</sup>			L x W x H [mm] Ø x H [mm]
<b>LINEAR INDIVILED DIRECT/INDIRECT GEN 2 PS</b>									
LN INV DI/IND 1200 PS 1200 P 55W 930 PS WT	4099854135156	55/49/43/35	6800/6050/5350/4450	124/123/124/127	3000	70000	90 + 130	—	1210 x 125 x 43
LN INV DI/IND 1200 PS 1200 P 55W 940 PS WT	4099854135170	55/49/43/35	7200/6400/5700/4600	131/131/133/131	4000	70000	90 + 130	—	1210 x 125 x 43
LN INV DI/IND 1500 PS 1500 P 69W 930 PS WT	4099854135231	69/63/61/53	8350/7800/7600/6650	121/124/125/125	3000	70000	90 + 130	—	1475 x 125 x 43
LN INV DI/IND 1500 PS 1500 P 69W 940 PS WT	4099854135255	69/63/61/53	9050/8400/8200/7100	131/133/134/134	4000	70000	90 + 130	—	1475 x 125 x 43
<b>LINEAR INDIVILED DIRECT/INDIRECT GEN 2 DALI<sup>4</sup></b>									
LN INV DI/IND 1200 DALI 1200 P 54W 930 DAVR WT	4099854135552	54/48/43/34	6500/5750/5200/4350	120/120/121/128	3000	70000	90 + 130	DALI-2/loT	1210 x 125 x 43
LN INV DI/IND 1200 DALI 1200 P 54W 940 DAVR WT	4099854135576	54/48/43/34	6950/6050/5600/4650	129/126/132/137	4000	70000	90 + 130	DALI-2/loT	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1200 DALI SENSOR 1200 P 54W 930 DAVR SN WT	4099854249457	54/48/43/34	6500/5750/5200/4350	120/120/121/128	3000	70000	90 + 130	DALI-2/loT	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1200 DALI SENSOR 1200 P 54W 940 DAVR SN WT	4099854249495	54/48/43/34	6950/6050/5600/4650	129/126/132/137	4000	70000	90 + 130	DALI-2/loT	1210 x 125 x 43
LN INV DI/IND 1500 DALI 1500 P 69W 930 DAVR WT	4099854135637	69/63/60/54	8150/7650/7300/6650	118/121/122/123	3000	70000	90 + 130	DALI-2/loT	1475 x 125 x 43
LN INV DI/IND 1500 DALI 1500 P 69W 940 DAVR WT	4099854135651	69/63/60/54	8700/8150/7600/7050	126/129/127/131	4000	70000	90 + 130	DALI-2/loT	1475 x 125 x 43

### REPLACEMENT COMPONENTS

For information on the available replacement components and how to order them, simply scan this QR code or go to [ledvance.com/everloop-replacement](http://ledvance.com/everloop-replacement)



## LINEAR INDIVILED DIRECT/INDIRECT BLACK VERSIONS

Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>1</sup>			L x W x H [mm] Ø x H [mm]
<b>LINEAR INDIVILED DIRECT/INDIRECT GEN 2 PS</b>									
<b>NEW</b> LN INV DI/IND 1200 PS 1200 P 55W 930 PS BK	4099854296888	55/49/43/35	6650/5900/5250/4350	120/121/122/124	3000	70000	90	—	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1200 PS 1200 P 55W 940 PS BK	4099854296901	55/49/43/35	7050/6250/5600/4500	128/128/130/129	4000	70000	90	—	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1500 PS 1500 P 69W 930 PS BK	4099854296949	69/63/61/53	8200/7650/7450/6500	119/121/122/123	3000	70000	90 + 130	—	1475 x 125 x 43
<b>NEW</b> LN INV DI/IND 1500 PS 1500 P 69W 940 PS BK	4099854296987	69/63/61/53	8850/8200/8000/6950	128/130/131/131	4000	70000	90 + 130	—	1475 x 125 x 43
<b>LINEAR INDIVILED DIRECT/INDIRECT GEN 2 DALI<sup>4</sup></b>									
<b>NEW</b> LN INV DI/IND 1200 DALI 1200 P 54W 930 DAVR BK	4099854296840	54/48/43/34	6400/5650/5100/4250	118/119/119/125	3000	70000	90	DALI-2/loT	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1200 DALI 1200 P 54W 940 DAVR BK	4099854296864	54/48/43/34	6800/5950/5500/4550	124/126/129/134	4000	70000	90	DALI-2/loT	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1200 DALI SENSOR 1200 P 54W 930 DAVR SN BK	4099854371769	54/48/43/34	6400/5650/5100/4250	118/119/119/125	3000	70000	90 + 130	DALI-2/loT	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1200 DALI SENSOR 1200 P 54W 940 DAVR SN BK	4099854371783	54/48/43/34	6800/5950/5500/4550	124/126/129/134	4000	70000	90 + 130	DALI-2/loT	1210 x 125 x 43
<b>NEW</b> LN INV DI/IND 1500 DALI 1500 P 69W 930 DAVR BK	4099854296925	69/63/60/54	8000/7500/7150/6550	116/119/119/121	3000	70000	90 + 130	DALI-2/loT	1475 x 125 x 43
<b>NEW</b> LN INV DI/IND 1500 DALI 1500 P 69W 940 DAVR BK	4099854296963	69/63/60/54	8550/8000/7450/6950	124/124/127/129	4000	70000	90 + 130	DALI-2/loT	1475 x 125 x 43

### REPLACEMENT COMPONENTS

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<sup>1</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> All LEDVANCE DALI-2 and LEDVANCE Zigbee 3.0 luminaires which are IoT-ready support the transfer and monitoring of energy data and maintenance data

<sup>4</sup> Programmable via NFC interface or OSRAM DALI magic

## LINEAR INDIVILED ACCESSORIES GEN 2



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR		No.
<b>LINEAR INDIVILED ACCESSORIES GEN 2</b>						
<b>NEW</b> LN INV SUSPENSION KIT BK	4099854 <b>297069</b>	120 x 40 x 1500	Aluminium	Black	1	1
LN INV SUSPENSION KIT WT	4099854 <b>215537</b>	120 x 40 x 1500	Steel	White	1	—
LN INV SUSPENSION WIRE	4099854 <b>215551</b>	11 x 1500	Copper	Silver	2	2
LN INV INLINE CONNECTOR	4099854 <b>215612</b>	100 x 122 x 27	Steel	Silver	1	3
<b>NEW</b> LN INV CORNER CONNECTOR BK	4099854 <b>308079</b>	350 x 350 x 43	Steel	Black	2	4
LN INV CORNER CONNECTOR WT	4099854 <b>214905</b>	350 x 350 x 43	Steel	White	2	—
<b>NEW</b> LN INV INFILL 600 BK	4099854 <b>297045</b>	700 x 125 x 43	Aluminium	Black	1	5
LN INV INFILL 600 WT	4099854 <b>214882</b>	700 x 125 x 43	Aluminium	White	1	—
<b>NEW</b> LN INV INFILL 1200 BK	4099854 <b>297007</b>	1300 x 125 x 43	Aluminium	Black	1	—
LN INV INFILL 1200 WT	4099854 <b>214868</b>	1300 x 125 x 43	Aluminium	White	1	—
<b>NEW</b> LN INV INFILL 1500 BK	4099854 <b>297021</b>	1600 x 125 x 43	Aluminium	Black	1	—
LN INV INFILL 1500 WT	4099854 <b>214844</b>	1600 x 125 x 43	Aluminium	White	1	—
LN INV 1200 THROUGHWIRING KIT	4099854 <b>214820</b>	1430 x 28 x 14	Polycarbonate (PC)	Yellow	1	6
LN INV 1500 THROUGHWIRING KIT	4099854 <b>214806</b>	1720 x 28 x 14	Polycarbonate (PC)	Yellow	1	6

## DOWNLIGHT UGR19

Product name	EAN (GTIN)	Replacement for	W	Im	lm/W	K	L70 <sup>1</sup>				L x W x H [mm] Ø x H [mm]
<b>DOWNLIGHT UGR19 ON/OFF</b>											
DL UGR19 PFM DN155 14 W 830 WT IP54	4058075 <b>459137</b>	1 x 26W CFLi	14	1500	105	3000	70000	65	—	155	180 x 65
DL UGR19 PFM DN155 14 W 840 WT IP54	4058075 <b>459151</b>	1 x 26W CFLi	14	1600	115	4000	70000	65	—	155	180 x 65
DL UGR19 PFM DN195 21 W 830 WT IP54	4058075 <b>459250</b>	2 x 26W CFLi	21	2400	115	3000	70000	65	—	195	220 x 82
DL UGR19 PFM DN195 21 W 840 WT IP54	4058075 <b>459274</b>	2 x 26W CFLi	21	2520	120	4000	70000	65	—	195	220 x 82
<b>DOWNLIGHT UGR19 DALI/ZIGBEE VERSIONS</b>											
DL UGR19 PFM DN155 14 W 830 WT IP54 DALI	4058075 <b>459298</b>	1 x 26W CFLi	14	1500	105	3000	70000	65	DALI-2/loT	155	180 x 65
DL UGR19 PFM DN155 14 W 840 WT IP54 DALI	4058075 <b>459311</b>	1 x 26W CFLi	14	1600	115	4000	70000	65	DALI-2/loT	155	180 x 65
DL UGR19 DN155 PFM 14 W-840 ZBVR WT	4058075 <b>459892</b>	1 x 26W CFLi	14	1600	115	4000	70000	65	Zigbee 3.0	155	180 x 65
DL UGR19 PFM DN195 21 W 830 WT IP54 DALI	4058075 <b>459830</b>	2 x 26W CFLi	21	2400	115	3000	70000	65	DALI-2/loT	195	220 x 82
DL UGR19 PFM DN195 21 W 840 WT IP54 DALI	4058075 <b>459854</b>	2 x 26W CFLi	21	2520	120	4000	70000	65	DALI-2/loT	195	220 x 82
DL UGR19 DN195 PFM 21 W-840 ZBVR WT	4058075 <b>459397</b>	2 x 26W CFLi	21	2520	120	4000	70000	65	Zigbee 3.0	195	220 x 82

<sup>1</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

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## SURFACE FLAT ROUND

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>1</sup>				L x W x H [mm] Ø x H [mm]
<b>SURFACE FLAT ROUND</b>											
SF FLAT RD 330 P 19W CPS	4099854 <b>292378</b>	1 x 32W CFL-ni	19/12	2660/1660	140/138	3000/4000	100000	120	—	—	330 x 65
SF FLAT RD 500 P 27W CPS	4099854 <b>292552</b>	1 x 32W CFL-ni	27/19	3780/2660	140/133	3000/4000	100000	120	—	—	500 x 71
<b>SURFACE FLAT ROUND SENSOR</b>											
SF FLAT RD SEN 330 P 19W CPS	4099854 <b>292699</b>	2 x 32W CFL-ni	19/12	2660/1660	140/138	3000/4000	100000	120	—	—	330 x 65
SF FLAT RD SEN 500 P 27W CPS	4099854 <b>292736</b>	2 x 32W CFL-ni	27/19	3780/2660	140/133	3000/4000	100000	120	—	—	500 x 71
<b>SURFACE FLAT ROUND DALI</b>											
SF FLAT RD DALI 500 P 27W CS	4099854 <b>292774</b>	2 x 32W CFL-ni	27	3780	140	3000/4000	100000	120	DALI-2	—	500 x 71

## SURFACE FLAT SQUARE

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>1</sup>				L x W x H [mm] Ø x H [mm]
<b>SURFACE FLAT SQUARE</b>											
SF FLAT SQ 330 P 19W CPS	4099854 <b>292491</b>	1 x 32W CFL-ni	19/12	2660/1660	140/138	3000/4000	100000	120	—	—	330 x 330 x 65
SF FLAT SQ 500 P 27W CPS	4099854 <b>292675</b>	1 x 32W CFL-ni	27/19	3780/2660	140/133	3000/4000	100000	120	—	—	500 x 500 x 71
<b>SURFACE FLAT SQUARE SENSOR</b>											
SF FLAT SQ SEN 330 P 19W CPS	4099854 <b>292712</b>	2 x 32W CFL-ni	19/12	2660/1660	140/138	3000/4000	100000	120	—	—	330 x 330 x 65
SF FLAT SQ SEN 500 P 27W CPS	4099854 <b>292750</b>	2 x 32W CFL-ni	27/19	3780/2660	140/133	3000/4000	100000	120	—	—	500 x 500 x 71
<b>SURFACE FLAT SQUARE DALI</b>											
SF FLAT SQ DALI 500 P 27W CS	4099854 <b>292798</b>	2 x 32W CFL-ni	27	3780	140	3000/4000	100000	120	DALI-2	—	330 x 330 x 13

## SENSOR PROPERTIES

Product name	EAN (GTIN)	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
SF FLAT RD SEN 330 P 19W CPS	4099854 <b>292699</b>	Motion, Light, Grouping	Microwave	15...150 lx	3...7 m	120°	5 s...20 min
SF FLAT RD SEN 500 P 27W CPS	4099854 <b>292736</b>	Motion, Light, Grouping	Microwave	15...150 lx	3...7 m	120°	5 s...20 min
SF FLAT SQ SEN 330 P 19W CPS	4099854 <b>292491</b>	Motion, Light, Grouping	Microwave	15...150 lx	3...7 m	120°	5 s...20 min
SF FLAT SQ SEN 500 P 27W CPS	4099854 <b>292675</b>	Motion, Light, Grouping	Microwave	15...150 lx	3...7 m	120°	5 s...20 min

## ACCESSORIES: SURFACE FLAT FRAME

Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR
SF FLAT 330 SQ FRAME SI	4099854 <b>292910</b>	330 x 330 x 13	Metal	Silver
SF FLAT 330 RD FRAME SI	4099854 <b>292934</b>	330 x 13	Metal	Silver
SF FLAT 500 SQ FRAME SI	4099854 <b>292958</b>	500 x 500 x 13	Metal	Silver
SF FLAT 500 RD FRAME SI	4099854 <b>292972</b>	500 x 13	Metal	Silver

## EXTENSION: SURFACE FLAT SENSOR

Product name	EAN (GTIN)	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
<b>SURFACE FLAT SENSOR</b>							
SEN SF FLAT LEADER FOLLOWER	4099854 <b>292897</b>	Motion, Light	Microwave	15...150 lx	3...7 m	120°	5 s...20 min

<sup>1</sup>t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>) | <sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

REPLACEMENT COMPONENTS: SURFACE FLAT DRIVER

Product name	EAN (GTIN)	W	I <sub>m(A)</sub>	V	T <sub>a</sub>	L × W × H [mm] Ø × H [mm]
<b>SURFACE FLAT DRIVER</b>						
DR DS SENS-P-19/220-240/450 SF FL	4099854 <b>292859</b>	19	450	220...240	-20...+60	119 × 51 × 24
DR DS-SENS-P-27/220-240V/650 SF FL	4099854 <b>292873</b>	27	650	220...240	-20...+60	119 × 51 × 24

REPLACEMENT COMPONENTS: SURFACE FLAT LIGHT SOURCES

Product name	EAN (GTIN)	W	Im	Im/W	K	L80 <sup>1</sup>	L × W × H [mm] Ø × H [mm]
<b>SURFACE FLAT LIGHT SOURCES</b>							
LISOEV 330R 19W 830 840 SF FLAT	4099854 <b>312212</b>	16	2660	140	3000/4000	100000	330 × 53
LISOEV 500R 27W 830 840 SF FLAT	4099854 <b>312236</b>	23	3780	140	3000/4000	100000	500 × 55
LISOEV 330SQ 19W 830 840 SF FLAT	4099854 <b>312250</b>	16	2660	140	3000/4000	100000	330 × 330 × 53
LISOEV 500SQ 27W 830 840 SF FLAT	4099854 <b>312274</b>	23	3780	140	3000/4000	100000	500 × 500 × 55

REPLACEMENT COMPONENTS

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DOWNLIGHT COMFORT

Product name	EAN (GTIN)	Replacement for	W	Im	Im/W	K	L70 <sup>1</sup>	L × W × H [mm] Ø × H [mm]
<b>DOWNLIGHT COMFORT</b>								
DL COMFORT DN 130 13 W 3CCT IP54 WT	4058075 <b>104068</b>	1 × 18 W CFLi	13	1030...1210	85	3000...5700	50000	130 × 145 × 82
DL COMFORT DN 155 18 W 3CCT IP54 WT	4058075 <b>104082</b>	2 × 18 W CFLi	18	1040...1620	85	3000...5700	50000	155 × 172 × 95
DL COMFORT DN 205 20 W 3CCT IP54 WT	4058075 <b>104105</b>	2 × 26 W CFLi	20	1720...1930	90	3000...5700	50000	205 × 228 × 98

BIOLUX HCL PANEL ZIGBEE GEN2

Product name	EAN (GTIN)	Replacement for	W	Im	Im/W	K	L80 <sup>1</sup>	L × W × H [mm] Ø × H [mm]
<b>BIOLUX HCL PANEL ZIGBEE GEN2</b>								
BIOLUX HCL PL 600 S 40W TW ZB	4058075 <b>724549</b>	4 × 18 W/4 × 14 W FL	40	4400	110	2700...6500	40000	595 × 595 × 11
BIOLUX HCL PL 625 S 40W TW ZB	4058075 <b>724563</b>	4 × 18 W/4 × 14 W FL	40	4400	110	2700...6500	40000	620 × 620 × 11
BIOLUX HCL PL 1200 S 37W TW ZB	4058075 <b>724587</b>	3 × 18 W/3 × 14 W FL	37	4100	110	2700...6500	40000	1195 × 295 × 11

<sup>1</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

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## CONTROL UNITS

Product name	EAN (GTIN)	V	Hz	Ta		NO. OF OUTPUTS	MAX. W	MAX. VA	NO. OF GROUPS	APP	COLOR	L x W x H [mm] Ø x H [mm]
<b>VIVARES ZB CONTROL</b> IoT-ready lighting control unit based on wireless Zigbee 3.0 technology												
VIVARES ZB CONTROL	4058075427488	5	0	-20...+45 °C	Mounting/Wall/ Mounting/Ceiling	200	30	64		App/PC	Signal White	90 x 90 x 26
<b>FLEX CONTROL UNITS</b> Interface for standard lighting switches, control of up to 32 lights and up to 4 sensors/pushbutton couplers, installation in standard flush mounted boxes, enables Tunable White lighting												
FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901	220...240	50...60	-20...+60 °C	Integrated in flush device box	1	32	4	4	App (Android/ iOS)	Light grey	49 x 48 x 22
<b>OSRAM DALI PRO 2 IOT LDVV</b> IoT-ready DALI-2 control unit for up-to 128 lights												
OSRAM DALI PRO 2 IOT LDVV	4052899627079	220...240	50/60	0...+40 °C	Din Rail	2	128	126	2 x 16	Software/App	Light grey	91 x 106 x 62

## SENSORS

Product name	EAN (GTIN)	V	Hz			Lx	hm	Ta		COLOR	L x W x H [mm] Ø x H [mm]
<b>VIVARES ZB L/O SENS 220-240</b> Zigbee 3.0 light and presence sensor, ceiling integration											
VIVARES ZB L/O SENS 220-240	4058075446182	220-240	50/60	90°	7 m	10...2000	2...5	-20...+50 °C	Recessed	White	85 x 85 x 64
<b>DALI-2 INPUT DEVICE</b> Infrared presence detector with 6 m movement detection											
SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621	16	0	360°	6 m	0...500	3.7	0...+40 °C	Ceiling integration	White	83 x 32
<b>DALI-2 INPUT DEVICE</b> Infrared presence detector with 8 m movement detection											
SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949	10...22.5	0	360°	8 m	5...2000	4	-20...+45 °C	Ceiling integration	White	105 x 67

## PUSHBUTTON COUPLERS

Product name	EAN (GTIN)	V	Hz	Ta							L x W x H [mm] Ø x H [mm]
<b>VIVARES ZB COUPLER</b> Zigbee 3.0 pushbutton coupler to integrate standard switches into a wireless lighting system											
VIVARES ZB COUPLER	4058075463806	100-240	50/60	-20...+50 °C	Recessed						50 x 43 x 15
<b>DALI-2 PUSHBUTTON COUPLER</b> DALI-2 interface to integrate standard lighting switches in DALI systems											
PUSHBUTTON COUPLER DALI-2	4058075837607	16	0	-20...+50 °C	Integrated in flush device box						50 x 43 x 15

NO  
REGISTRATION  
REQUIRED!LEDVANCE<sup>1</sup>  
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There is a 7-year guarantee on systems.A LEDVANCE system comprises DALI/ Zigbee luminaires and the  
respective control units and optional sensors or pushbutton couplers.ledvance.com/  
guarantee<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

## ABOUT LEDVANCE

With business activities in over 140 countries, LEDVANCE is one of the world's leading general lighting companies. Emerging from OSRAM's general lighting division, LEDVANCE's portfolio includes LED lamps and luminaires, intelligent lighting products, traditional lamps and renewable energy solutions.

#POWERTHROUGHLIGHT



# LEDVANCE

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