THE ASSORTMENT AT A GLANCE

LEDVANCE LED LUMINAIRES

DECEMBER 2021
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STANDARD APPLICATIONS: Building facades | Public areas | Industry | Lighting of large areas | Sports facilities | Construction sites | Parking lots | Underpasses

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STANDARD APPLICATIONS: Building facades | Public areas | Industry | Lighting of large areas | Sports facilities | Construction sites | Parking lots | Underpasses

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STANDARD APPLICATIONS: M-, C- and P-class roads acc. to EN 13201 | Parking | Public areas | Industry

All the following values for the IP and IK protection classes apply exclusively to luminaires (excluding accessories).
LEDVANCE LED LUMINAIRIES | BETTER LIGHT – QUICK AND EASY TO INSTALL

BETTER LIGHT – QUICK AND EASY TO INSTALL
LEDVANCE LED LUMINAIRIES

FOCUSING ON YOUR NEEDS

LEDVANCE is a strong partner to have by your side when you need to inspire your customers with perfect lighting solutions. We listen carefully to installers and lighting professionals – and are constantly working to improve our products and services. We aim not just to meet your expectations but exceed them – in the choice of products, the quality of the light and simple, user-friendly installation.

And we’ll prove it with our extended luminaire portfolio for a wide range of applications in the office, industry, parking, shop and urban outdoor sectors.

TOGETHER FOR BETTER LIGHT

LEDVANCE supports you with a comprehensive lighting portfolio from a single source, an excellent price-performance ratio and guarantees1 of up to 5 years.

But that’s not nearly all. Our services are perfectly tailored to the needs of professional users. For example, our global supplier and sales network means we are always at your side wherever you may be. And you can count on us throughout all your lighting projects – from initial consultation to technical after-sales support.

1 For precise terms and conditions go to www.ledvance.com/guarantee

SCALE – AWARD-WINNING LUMINAIRE DESIGN

Design makes products unique – like our individual, aesthetic and functional SCALE design language. It combines unique luminaire design with tangible value in every product and takes the modern tonality of the LEDVANCE brand into new territory. A fascinating combination of form and function, which is loved not only by our customers – as the 2019 German Design Award proves.
EASY TO INSTALL

YOUR BENEFITS AT A GLANCE

- Global network
- Extensive portfolio from a single source
- Outstanding services

FULL SERVICE FOR YOUR PROJECT SUCCESS

In addition to first-class products and competent customer service (contact@ledvance.com), we support you in numerous other ways throughout your lighting projects. Go to www.ledvance.com and discover valuable service concepts such as the Fast Light Calculation Tool, our eLearning modules or the DIALux/RELUX light planning software.
EU REGULATIONS: NEW RULES FOR THE LIGHT OF THE FUTURE

The EU is embarking on the next stage in the journey toward efficient, climate-friendly lighting and there are some fundamental changes to the lighting market in 2021.

These changes are being triggered by the new EU 2019/2020 Single Lighting Regulation (SLR) and the new EU 2019/2015 Energy Label Regulation (ELR), which have been in force since the end of 2019. They are now being implemented in phases. The aim is to protect the environment, boost consumer protection and improve the sustainability of products.

Amongst other things, the regulations no longer distinguish between modules, lamps and luminaires. Instead, they refer only to light sources.
CLIMATE-FRIENDLY LIGHT

NEW: LIGHT SOURCES INSTEAD OF LAMPS AND LUMINAIRES

In addition to promoting energy efficiency, the regulations aim to conserve resources and strengthen the circular economy. Lamps, LED modules and luminaires have therefore been redefined and recategorized. The EU now distinguishes between “light sources”, “separate control gear” and “containing products”.

LIGHT SOURCES

“Light sources” are electrically operated products that emit white light and meet certain technical criteria, irrespective of whether they are lamps, LED modules, or luminaires with fully integrated components. They must all comply with the requirements of the SLR and ELR regulations.

CONTAINING PRODUCTS

“Containing products” include luminaires and other equipment, that contain light sources, which can be removed without permanent damage to the light source using commonly available tools. Containing products are exempt from the SLR/ELR regulations and therefore do not have to display an energy label.

MEETING REQUIREMENTS – AND EXCEEDING THEM

A very large proportion of LEDVANCE products already meet the requirements of the new ecodesign regulation. We will of course always ensure that we supply you exclusively with products that conform to the regulation. We are also committed to not only meeting the requirements but exceeding them, even under the new framework conditions.

YOU ASK THE QUESTIONS – WE HAVE THE ANSWERS

Would you like more information on SLR/ELR or have questions about specific light sources? The experts in our technical team are happy to advise you. You can reach our team by email at technik@ledvance.com or by phone on +49 89 780673-680.

Further information from LEDVANCE on the impact of SLR & ELR regulations can be found in our new dedicated flyer and at our website: ledvance.com/slr-elr
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.

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

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 require no 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.

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

The system is suitable if the control lines can be wired and the requirements for assigning the light distribution are 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.

Further information can be found online and in our LEDVANCE VIVARES Light Management System brochure: ledvance.com/vivares
LEDVANCE BIOLUX: FOCUSING ON PEOPLE WITH HUMAN CENTRIC LIGHTING

Offices with little daylight, dark meeting rooms and artificial light until late at night – this is typical of modern working conditions. But light is essential and one of the most important sources – for our well-being, performance and satisfaction. A lack of daylight can cause serious disruption to our day/night rhythm (our “inner clock”), and massive degradation in our performance and overall well-being. Human centric lighting (HCL) is all about this biological effect of light. Lighting solutions for modern work environments must be designed to promote creative thinking and high levels of concentration at desks, in service sectors and in factories. Human centric lighting places the focus on people and their need for natural light. Flexible, stimulating and effective. It creates a working environment that simulates the changes in natural daylight with its visual, biological and emotional effects. Through color temperatures and illuminance levels, human centric lighting provides positive support for the human circadian rhythm. A neutral or cold white light color, for example, can energize in the morning. Warm white light is relaxing and ideal for the evening.

With the HCL system BIOLUX from LEDVANCE we are opening up completely new opportunities for you and your customers.

PROJECT: Upgrading to a BIOLUX HCL system in the training rooms of the Schleswig District Craftsmen’s Association, Germany
APPLICATION: Educational establishment, lighting of training rooms
TECHNOLOGY: LED technology, human centric lighting
LEDVANCE PRODUCTS: BIOLUX HCL Panel 625 43 W, BIOLUX HCL Control Unit

The new BIOLUX HCL system was installed at the Schleswig District Craftsmen’s Association in 3 classrooms by directly replacing the existing T8 fluorescent lamp lighting system. The retrofit installation of 90 LED panels and commissioning of the system was so easy that it was carried out by trainees of the electrical engineering department themselves. Being intelligently controlled the system now provides better quality of light in the training rooms and can be intuitively adapted to the training situation. As a result, the individually adjustable light profiles support training in a concentration-enhancing manner and help to keep the trainees motivated.
LEDVANCE BIOLUX HCL-SYSTEM

BIOLUX is the innovative HCL system from LEDVANCE. With the help of an intelligent algorithm, it automatically adjusts the artificial light to simulate the changes in natural daylight – accurate for the time of day and the location – to produce the best possible biological effect. Changes in color temperatures and lighting levels support our natural biological rhythms.

THE SMART ENTRY-LEVEL HCL-SYSTEM

BIOLUX consists of two components: the BIOLUX control unit and the BIOLUX LED luminaires which communicate with each other wirelessly via the ZigBee protocol. Operation is intuitive. Pre-programmed light profiles can be set at the control unit in no time at all, with five manually adjustable modes being available, suitable for any work situation (see diagram). And BIOLUX is so easy to install as there is no need for wiring or configuration.

THE FIVE LIGHT PROFILES OF BIOLUX

RELAX
E.g. during breaks in meetings

CREATE
Creativity in workshops, e.g. in brainstorming sessions

NATURAL
Default setting

FOCUS
Enhanced concentration, e.g. in meetings

BOOST
Highest concentration for highly detailed and particularly demanding tasks

THE BIOLUX COMPONENTS

BIOLUX CONTROL UNIT
BIOLUX HCL DOWNLIGHT
BIOLUX HCL PANEL
BIOLUX HCL LED STRIP KIT

WINNER OF DESIGN, FUNCTION & INNOVATION AWARDS:

BOOST
FOCUS
NATURAL
CREATERELAX

SUPERIOR CLASS

BIOLUX is ideal for single room solutions with up to 20 luminaires – such as meeting rooms or offices with little or no daylight.

You will find more information at hcl.ledvance.com or in our flyer on human centric lighting.

1 Higher number of luminaires on request
OFFICE
LIGHT AS A FACTOR FOR SUCCESS

PROJECT: SIEMENS Campus, Erlangen, Germany
APPLICATION: Lighting of meeting rooms and open-plan offices
TECHNOLOGY: LED technology
LEVDANCE PRODUCTS: Linear IndiviLED Direct/Indirect DALI Sensor, Panel Direct/Indirect DALI

When it came to selecting luminaires for the SIEMENS Campus in Erlangen, the existing suspended ceilings were a particular challenge. The LEVDANCE Linear IndiviLED Direct/Indirect DALI Sensor and Panel Direct/Indirect DALI luminaires were chosen as they offer excellent light comfort with direct/indirect beam characteristic, good glare reduction (UGR≤19), low maintenance and low operating costs. What’s more, brightness is kept at a consistent 500 lux in compliance with relevant standards. The luminaires blend into the building design perfectly and, thanks to integrated presence detection, offer optimum efficiency.
INDUSTRY
LIGHT MAKES HARD WORK EASIER

THE RIGHT LED TUBES:
SUBSTITUBE PRO EM LED tubes are shatterproof, highly efficient and durable. They replace conventional fluorescent tubes and are suitable for use even in adverse conditions such as in cold stores and warehouses.

PROJECT: EHH Car Center, Ludwigsfelde, Germany
APPLICATION: Lighting of workshops, repair bays, offices and consulting areas
TECHNOLOGY: LED technology

LEDVANCE PRODUCTS: Spot Adjust, Panel 625, Panel 1200, Downlight, Damp Proof, Surface Compact Sensor, Floodlight, SubstiTUBE Advanced T8 EM UO, HQL LED Pro

The EHH car center in Ludwigsfelde near Berlin, Germany completely upgraded its lighting to LED technology from LEDVANCE. Among other replacements, more than 600 conventional fluorescent lamps were replaced by SubstiTUBE Advanced T8 LED tubes. A wide range of LED luminaires were also installed to match the spatial requirements. The result: Significantly improved quality of light and annual energy consumption from lighting was reduced by around 63%.

REFERENCE PROJECT

PROJECT:
APPLICATION:
TECHNOLOGY:
LEDVANCE PRODUCTS:

The EHH car center in Ludwigsfelde near Berlin, Germany completely upgraded its lighting to LED technology from LEDVANCE. Among other replacements, more than 600 conventional fluorescent lamps were replaced by SubstiTUBE Advanced T8 LED tubes. A wide range of LED luminaires were also installed to match the spatial requirements. The result: Significantly improved quality of light and annual energy consumption from lighting was reduced by around 63%.
PROJECT: Tirol Kliniken, Innsbruck, Austria

APPLICATION: Lighting of underground garages

TECHNOLOGY: LED technology

LEVDANCE PRODUCTS: LED Damp Proof

In the underground garages of the Medical Center and Surgery West the former luminaires equipped with fluorescent tubes were replaced by new 30 watt LED Damp Proof luminaires. Due to their robust design with an IP65 protection rating and IK08 impact resistance these are not only ideal for use in damp and dusty environments, but their beam angle of 105 degrees also ensures homogenous uniform light giving a greater feeling of safety for employees and visitors.
SHOP
AESTHETIC ILLUMINATION MEETS FUNCTIONALITY

PROJECT: Noleggio by Maestri ski equipment rental and sales shop, Passo del Tonale, Italy
APPLICATION: Lighting of showroom, rental and access area, lockers and dressing rooms
TECHNOLOGY: LED technology
LEDVANCE PRODUCTS: Tracklight Spot 35 W/4000 K, Downlight Comfort 20 W

Using 104 Tracklight Spot LEDs and different reflectors on ceiling tracks, LEDVANCE has provided accent lighting that attracts customers and guides them through the shop, and also highlights the merchandise with excellent color rendering. Downlight Comfort luminaires are used for basic functional lighting. Since their light color can be easily switched between 3,000, 4,000 and 5,700 Kelvin, every area of the shop can now be illuminated with optimum light.
Your work involves everything from simple lighting tasks to the most complex and demanding – and it is precisely this bandwidth that is covered by LEDVANCE’s luminaire portfolio. To ensure that you always keep track of all this variety and quickly find the most suitable product, we have divided our luminaires into three segments: Superior Class, Performance Class and Value Class. With the help of consistent color coding and clear labeling you can immediately see in the catalog and also on the packaging which of the three segments a luminaire belongs to. So you can easily meet the needs of your customers – today and tomorrow.

Clear color coding on the new sustainable packaging will help you keep track of the products and quickly identify the right product for the job.
SUPERIOR CLASS

Sometimes only the best will do. The LEDVANCE Superior Class range comprises premium products that set standards in technology, quality and design. These top-of-the-line products are impressive in every respect and are the right choice for realizing particularly demanding, prestigious projects with special lighting requirements.

PERFORMANCE CLASS

In the LEDVANCE Performance Class you will find a reliable solution for the majority of your lighting tasks. Our core portfolio includes a wide range of high-quality, demand-oriented luminaires with excellent performance in terms of lifetime, efficiency, material and quality of light. Features such as easy installation, DALI versions and comprehensive guarantees add value.

VALUE CLASS

High performance at an attractive price – that’s what the LEDVANCE Value Class is about. The luminaires in this range are characterized by a standard lifetime, efficiency and quality of light, making them the right choice for everyday installation needs and projects where, in addition to reliability, the focus is on cost-effectiveness in particular. Additional features such as DALI extend the range of applications in this class.

KEEPING TRACK – FINDING YOUR WAY AROUND THE BROCHURE AND RANGE

The clear segmentation of the LEDVANCE luminaire portfolio is also reflected in the introductory pages of each chapter and the product pages of this brochure. Each product class has been assigned a color that you can find throughout the catalog. This makes finding suitable luminaires easier and faster than ever.

GO ON, GIVE IT A TRY!
On the Downlight Comfort you can switch between three light colors (3,000/4,000/5,700 K)

An additional advantage ... ... is that wholesalers and installers can minimize their stock risks because they always have a luminaire with the right light color in stock.

**DOWNLIGHT COMFORT**
Page 22

**3-IN-1 CCT, LOW UGR VALUE**
- Three light colors in one luminaire: warm white 3,000 K, neutral white 4,000 K and cold white 5,700 K
- Good glare reduction (UGR ≤ 22)
- Simple connection thanks to plug-in terminal

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**DOWNLIGHT ALU**
Page 24

**NEW GENERATION, NOW IP44**
- Suitable for use in dusty and humid environments thanks to higher IP rating
- Wide range of applications thanks to a large variety of versions
- Up to 60% energy savings compared with luminaires that use compact fluorescent lamps

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**DOWNLIGHT SLIM ALU**
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**LOW IN HEIGHT AND PRICE**
- Extremely small mounting depth due to very low-profile housing
- Up to 60% energy savings compared with luminaires that use compact fluorescent lamps
- External driver for easy replacement (included)
DOWNLIGHT UGR19
Downlights with low glare and low flicker

PRODUCT FEATURES
- Housing Material: aluminium with mirror-finished reflector
- Type of protection: IP54 (room side) / IP20 (back side)
- Through wiring possible
- Luminaire available with on/off driver, DALI 2.0 IoT driver or Zigbee 3.0
- Connector box with push wire terminal for tool-free connection

PRODUCT BENEFITS
- Good glare reduction (UGR <19) and cut-off angle up to 30° for comfortable indoor lighting
- Easy and quick installation thanks to connector box with 5-pole toolless terminal
- Low-flicker light
- Suitable for use in dusty and humid environments thanks to high IP rating
- 5 years guarantee

AREAS OF APPLICATION
- Suitable for office applications, especially for computer screen workplaces
- Direct replacement for luminaires with compact fluorescent lamps
- Entrances / Hallways
- Bathrooms, kitchens and sheltered outdoor areas
- General illumination

EQUIPMENT / ACCESSORIES
- External control gear included

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
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<th>Product name</th>
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1 [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
DOWNLIGHT COMFORT
Downlights with adjustable white light colors

PRODUCT FEATURES
— Material: Aluminium (Housing), Polycarbonate (Diffusor)
— Three light colors selectable via slide switch
— Type of protection: IP54 (room side)
— Through wiring possible

PRODUCT BENEFITS
— Three light colors in one luminaire: warm white 3000 K, daylight white 4000 K, cold white 5700 K
— Good glare reduction (UGR ≤22)
— Easy connection thanks to push terminal
— Suitable for use in dusty and humid environments thanks to high IP rating
— 5 years guarantee

AREAS OF APPLICATION
— Direct replacement for luminaires with compact fluorescent lamps
— General illumination
— Bathrooms, kitchens and sheltered outdoor areas
— Offices
— Corridors

FURTHER PRODUCT DETAILS

DL COMFORT DN 130 13 W 3CCT IP54 WT

1 Refer to www.ledvance.com/guarantee for precise conditions

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LEDVANCE LED LUMINAIRES | DOWNLIGHTS

Product Features
- Material: Aluminium (Housing), Polycarbonate (Diffusor)
- Three light colors selectable via slide switch
- Type of protection: IP54 (room side)
- Through wiring possible

Product Benefits
- Three light colors in one luminaire: warm white 3000 K, daylight white 4000 K, cold white 5700 K
- Good glare reduction (UGR ≤22)
- Easy connection thanks to push terminal
- Suitable for use in dusty and humid environments thanks to high IP rating
- 5 years guarantee

Areas of Application
- Direct replacement for luminaires with compact fluorescent lamps
- General illumination
- Bathrooms, kitchens and sheltered outdoor areas
- Offices
- Corridors

DL COMFORT DN 130 13 W 3CCT IP54 WT
- 4058075104060
- 1x18W CFL
- 13 1030...1210 85 3000...5700 50000 43000 60

DL COMFORT DN 155 18 W 3CCT IP54 WT
- 4058075104082
- 2x18W CFL
- 18 1040...1620 85 3000...5700 50000 43000 60

DL COMFORT DN 205 20 W 3CCT IP54 WT
- 4058075104105
- 2x26W CFL
- 20 1720...1930 90 3000...5700 50000 43000 60

Product name | Segmentation | GTIN (EAN) | W | lm | % | K | L<sub>70</sub> | L<sub>80</sub>
--- | --- | --- | --- | --- | --- | --- | --- | ---
DL COMFORT DN 130 13 W 3CCT IP54 WT | | 4058075104060 | 1x18W CFL | 13 | 1030...1210 | 85 | 3000...5700 | 50000 | 43000 | 60
DL COMFORT DN 155 18 W 3CCT IP54 WT | | 4058075104082 | 2x18W CFL | 18 | 1040...1620 | 85 | 3000...5700 | 50000 | 43000 | 60
DL COMFORT DN 205 20 W 3CCT IP54 WT | | 4058075104105 | 2x26W CFL | 20 | 1720...1930 | 90 | 3000...5700 | 50000 | 43000 | 60

1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)
- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
DOWNLIGHT ALU
Downlight luminaires with aluminum housing

PRODUCT FEATURES
— Housing material: aluminum
— Diffuser made of opal polycarbonate
— Type of protection, front side: IP44
— Luminaire available as switchable and DALI versions

PRODUCT BENEFITS
— Suitable for use in dusty and humid environments thanks to high IP rating
— Wide range of applications thanks to a large variety of versions
— Energy savings of up to 60 % compared to luminaires that use CFL
— Up to 5 years guarantee

AREAS OF APPLICATION
— Direct replacement for luminaires with compact fluorescent lamps
— General illumination
— Public areas
— Stairways
— Corridors

FURTHER PRODUCT DETAILS

1 The ENEC and TÜV certifications apply exclusively to the switchable versions of the luminaire family, DALI versions are excepted.
2 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
## DOWNLIGHT ALU
Downlight luminaires with aluminum housing

<table>
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1 t[h]: L70/B50 @ 25 °C (Ta) / t[h]: L80/B10 @ 25 °C (Ta)
DOWNLIGHT SLIM ALU
Flat downlights with external driver and aluminum housing

PRODUCT FEATURES
— Solid aluminum housing in white
— Diffuser made of opal PMMA
— Small visible bezel

PRODUCT BENEFITS
— Extremely small mounting depth due to very low-profile housing
— Energy savings of up to 60 % compared to luminaires that use CFL
— External driver for easy replacement
— 5 years guarantee

AREAS OF APPLICATION
— Direct replacement for luminaires with compact fluorescent lamps
— General illumination
— Public areas
— Stairways
— Corridors

FURTHER PRODUCT DETAILS

DL SLIM ALU DN 205 22 W 4000 K WT

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
LEDVANCE LED LUMINAIRES | DOWNLIGHTS

DOWNLIGHT SLIM ALU
Flat downlights with external driver and aluminum housing

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PRODUCT BENEFITS
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AREAS OF APPLICATION
— Direct replacement for luminaires with compact fluorescent lamps
— General illumination
— Public areas
— Stairways
— Corridors

FURTHER PRODUCT DETAILS
1 Refer to www.ledvance.com/guarantee for precise conditions
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1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

SUPERIOR CLASS  PERFORMANCE CLASS  VALUE CLASS
VERSATILE SWIVEL SPOTLIGHT FOR THE RETAIL AREA
- Ideal for accent lighting thanks to highly flexible tilt and swivel capability
- Easy replacement of the external driver thanks to plug with bayonet connection
- Low-flicker light < 10%

POWERFUL MULTI-SPOTLIGHT WITH GIMBAL
- Low-flicker light < 10%
- Flexible application thanks to excellent anti-glare properties UGR < 16
- Light-proof housing

ATTRACTION SQUARE SPOTLIGHT
- Cut-off angle for good glare reduction and high visual comfort
- Energy savings of up to 90% compared with halogen lamp spotlights
- Housing made of die-cast aluminum for improved heat dissipation

VERSATILE FAMILY
- Various versions such as IP44, IP65 and dimmable for a wide range of applications
- Energy savings of up to 90% compared with halogen lamp spotlights
- Simple installation for 3–20 mm ceiling thickness
**SPOT VARIO**

Recessed mounted spotlight, swivelable

**PRODUCT FEATURES**
- Housing material: aluminum
- Rotation angle: 0°...350°, tilt angle: 0°...35°
- Beam angle: 24°
- Large faceted reflector for high light output

**PRODUCT BENEFITS**
- Ideal for accent lighting thanks to highly flexible tilt and swivel capability
- Easy replacement of external driver thanks to plug with bayonet lock
- Low-flicker light
- Die-cast aluminum housing for improved heat dissipation
- 5 years guarantee

**AREAS OF APPLICATION**
- Accent- and general lighting for all kind of salesrooms
- Retail
- Supermarkets
- Shops, boutiques
- Hotel rooms

**EQUIPMENT / ACCESSORIES**
- Driver included

---

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
SPOT VARIO
Recessed mounted spotlight, swivelable

PRODUCT FEATURES
— Housing material: aluminum
— Rotation angle: 0°...350°, tilt angle: 0°...35°
— Beam angle: 24°
— Large faceted reflector for high light output

PRODUCT BENEFITS
— Ideal for accent lighting thanks to highly flexible tilt and swivel capability
— Easy replacement of external driver thanks to plug with bayonet lock
— Low-flicker light
— Die-cast aluminum housing for improved heat dissipation
— 5 years guarantee

AREAS OF APPLICATION
— Accent- and general lighting for all kind of salesrooms
— Retail
— Supermarkets
— Shops, boutiques
— Hotel rooms

EQUIPMENT / ACCESSORIES
— Driver included

SPOT VARIO DN 170 35 W 3000 K 24DEG WT

FURTHER PRODUCT DETAILS
1 Refer to www.ledvance.com/guarantee for precise conditions
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
SPOT MULTI

Recessed mounted spotlight, swivelable

PRODUCT FEATURES
— Housing material: aluminum
— Housing, black; frame, white
— One driver per luminaire head (1-, 2-lamp)
— Gimbal adjustment angle: +/- 25°

PRODUCT BENEFITS
— Low-flicker light
— Flexible application thanks to excellent anti-glare properties UGR <16
— Light-proof housing
— Easy replacement of external driver thanks to plug with bayonet lock

AREAS OF APPLICATION
— Accent- and general lighting for all kind of salesrooms
— Fashion shops, accessories shops
— Shops, boutiques
— Hotel rooms
— Cafés

EQUIPMENT / ACCESSORIES
— Driver included

FURTHER PRODUCT DETAILS

SPOT MULTI 1 x 30W 3000K FL WT/BK

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
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Product name

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1 t[h]: L70/B50 @ 25 °C (Ta) / 1 t[h]: L80/B10 @ 25 °C (Ta)

- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
LEDVANCE LED LUMINAIRES | SPOTLIGHTS

SPOT SQUARE ADJUST
Recessed mounted spotlight, adjustable, square shape

PRODUCT FEATURES
— High-quality, square die-cast aluminum housing for better heat dissipation, matt black and white
— Adjustable tilt angle: +/- 20°
— Low-flicker light

PRODUCT BENEFITS
— Cut off angle for comfortable indoor lighting
— Energy savings of up to 90% compared to halogen lamp spotlights
— Die-cast aluminum housing for improved heat dissipation
— External driver for extended flexibility (compatible with selected DALI drivers)
— 5 years guarantee

AREAS OF APPLICATION
— Replacement of halogen lamp spotlights
— General accent lighting
— Shops, boutiques
— Hotel rooms
— Bars, restaurants

EQUIPMENT / ACCESSORIES
— Driver included

FURTHER PRODUCT DETAILS

SPOT SQUARE DK ADJ 8 W 3000 K WT

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
SPOT SQUARE ADJUST
Recessed mounted spotlight, adjustable, square shape

PRODUCT FEATURES
—
High-quality, square die-cast aluminum housing for better heat dissipation, matt black and white
—
Adjustable tilt angle: +/- 20°
—
Low-flicker light

PRODUCT BENEFITS
—
Cut off angle for comfortable indoor lighting
—
Energy savings of up to 90 % compared to halogen lamp spotlights
—
Die-cast aluminum housing for improved heat dissipation
—
External driver for extended flexibility (compatible with selected DALI drivers)
—
5 years guarantee

AREAS OF APPLICATION
—
Replacement of halogen lamp spotlights
—
General accent lighting
—
Shops, boutiques
—
Hotel rooms
—
Bars, restaurants

EQUIPMENT / ACCESSORIES
—
Driver included

FURTHER PRODUCT DETAILS
1 Refer to www.ledvance.com/guarantee for precise conditions
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

---

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SPOT SQUARE DK ADJ 8 W 3000 K BK | | 4058075114067 | 7W HAL | 8 | 650 | 90 | 3000 | 50000 | 45000 | 36

---

PRODUCT NAME | CRI | L x W x H [mm] | Ø x H [mm]
---|---|---|---
SPOT SQUARE DK ADJ 8 W 3000 K WT | >80 <10 % | 83x83 | 90 x 90 x 72 | 2
SPOT SQUARE DK ADJ 8 W 3000 K BK | >80 <10 % | 83x83 | 90 x 90 x 72 | 3
SPOT ROUND ADJUST
Recessed mounted spotlight, adjustable, round shape

PRODUCT FEATURES
— Die-cast aluminum housing, white
— Adjustable tilt angle: +/- 20°
— Available with DALI or switchable driver

PRODUCT BENEFITS
— Extended range of applications through versions with DALI or switchable driver
— Energy savings of up to 90 % compared to halogen lamp spotlights
— Easy installation for ceiling thickness: 3 - 20 mm
— 5 years guarantee

AREAS OF APPLICATION
— Replacement of halogen lamp spotlights
— General illumination
— Hotel rooms
— Bars, restaurants
— Accent lighting

FURTHER PRODUCT DETAILS

SPOT ADJUST 8 W 4000 K WT

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
### Product Features
- Die-cast aluminum housing, white
- Adjustable tilt angle: ±20°
- Available with DALI or switchable driver

### Product Benefits
- Extended range of applications through versions with DALI or switchable driver
- Energy savings of up to 90% compared to halogen lamp spotlights
- Easy installation for ceiling thickness: 3 - 20 mm
- 5 years guarantee

### Areas of Application
- Replacement of halogen lamp spotlights
- General illumination
- Hotel rooms
- Bars, restaurants
- Accent lighting

### Further Product Details
- Refer to www.ledvance.com/guarantee for precise conditions
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### Product Table

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SPOT ROUND FIX
Recessed mounted spotlight, fixed, round shape

PRODUCT FEATURES
— Die-cast aluminum housing, white
— Fire-resistant (up to 90 minutes, tested in accordance with EN 1365-2:2014, fire resistance tests for loadbearing elements - Part 2: Floors and roofs)¹
— Type of protection, front side: IP65
— Dimmable (with suitable Phase-cut dimmers)

PRODUCT BENEFITS
— Recessed spotlight usable for fire protection applications
— Energy savings of up to 90 % compared to halogen lamp spotlights
— Easy installation for ceiling thickness: 3 - 20 mm
— Designed for extra IP protection
— 5 years guarantee

AREAS OF APPLICATION
— Replacement of halogen lamp spotlights
— General illumination
— Hotel rooms
— Bars, restaurants
— Accent lighting

FURTHER PRODUCT DETAILS

¹ Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
SPOT ROUND FIX
Recessed mounted spotlight, fixed, round shape

PRODUCT FEATURES
— Die-cast aluminum housing, white
— Fire-resistant (up to 90 minutes, tested in accordance with EN 1365-2:2014 ‘fire resistance tests for loadbearing elements - Part 2: Floors and roofs’)
— Type of protection, front side: IP65
— Dimmable (with suitable Phase-cut dimmers)

PRODUCT BENEFITS
— Recessed spotlight usable for fire protection applications
— Energy savings of up to 90 % compared to halogen lamp spotlights
— Easy installation for ceiling thickness: 3 - 20 mm
— Designed for extra IP protection
— 5 years guarantee

AREAS OF APPLICATION
— Replacement of halogen lamp spotlights
— General illumination
— Hotel rooms
— Bars, restaurants
— Accent lighting

SPOT FIX DIM 8 W 4000 K IP44/IP20 SI

FURTHER PRODUCT DETAILS
1 Refer to www.ledvance.com/guarantee for precise conditions
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
SPOT FIREPROOF FIX
Recessed mounted spotlight, round shape, fire-resistant

PRODUCT FEATURES
— Die-cast aluminum housing, white
— Fire-resistant (up to 90 minutes, tested in accordance with EN 1365-2:2014, "fire resistance tests for loadbearing elements - Part 2: Floors and roofs")*
— Type of protection, front side: IP65
— Dimmable (with suitable Phase-cut dimmers)

PRODUCT BENEFITS
— Recessed spotlight usable for fire protection applications
— Energy savings of up to 90 % compared to halogen lamp spotlights
— Easy installation for ceiling thickness: 3 - 20 mm
— Designed for extra IP protection
— 5 years guarantee

AREAS OF APPLICATION
— Replacement of halogen lamp spotlights
— Hotel rooms
— Bars, restaurants
— Bathrooms
— Accent lighting

FURTHER PRODUCT DETAILS

* Coordination with your responsible fire protection inspector is required in advance!
1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
LEDVANCE LED LUMINAIRES | SPOTLIGHTS

SPOT FIREPROOF DIM
Recessed mounted spotlight, round shape, fire-resistant, dimmable

PRODUCT FEATURES
— Die-cast aluminum housing, white
— Fire-resistant (up to 90 minutes, tested in accordance with EN 1365-2:2014 ‘fire resistance tests for loadbearing elements - Part 2: Floors and roofs’)*
— Type of protection, front side: IP65
— Dimmable (with suitable Phase-cut dimmers)

PRODUCT BENEFITS
— Recessed spotlight usable for fire protection applications
— Energy savings of up to 90 % compared to halogen lamp spotlights
— Easy installation for ceiling thickness: 3 - 20 mm
— Designed for extra IP protection
— 5 years guarantee

AREAS OF APPLICATION
— Replacement of halogen lamp spotlights
— Hotel rooms
— Bars, restaurants
— Bathrooms
— Accent lighting

SPOT FIREPROOF
Recessed mounted spotlight, round shape, fire-resistant

FURTHER PRODUCT DETAILS
* Coordination with your responsible fire protection inspector is required in advance!
1 Refer to www.ledvance.com/guarantee for precise conditions
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
SPOT DARKLIGHT

Recessed mounted spotlight, round shape, Darklight with cut-off

PRODUCT FEATURES
- Die-cast aluminum housing, white
- Type of protection, front side: IP44
- Diameter of required ceiling cut-out: 63 mm

PRODUCT BENEFITS
- 70° cut off angle - perfect for shelf lighting
- Energy savings of up to 90 % compared to halogen lamp spotlights
- Easy installation for ceiling thickness: 3 - 20 mm
- 5 years guarantee

AREAS OF APPLICATION
- Replacement of conventional 50 W halogen spotlights
- Hotel rooms
- Bars, restaurants
- Bathrooms
- Shelf and undercabinet lighting

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
LEDVANCE LED LUMINAIRES | SPOTLIGHTS

SPOT DARKLIGHT
Recessed mounted spotlight, round shape, Darklight with cut-off

PRODUCT FEATURES
- Die-cast aluminum housing, white
- Type of protection, front side: IP44
- Diameter of required ceiling cut-out: 63 mm

PRODUCT BENEFITS
- 70° cut off angle - perfect for shelf lighting
- Energy savings of up to 90% compared to halogen lamp spotlights
- Easy installation for ceiling thickness: 3 - 20 mm
- 5 years guarantee

AREAS OF APPLICATION
- Replacement of conventional 50 W halogen spotlights
- Hotel rooms
- Bars, restaurants
- Bathrooms
- Shelf and undercabinet lighting

SPOT DK FIX 7 W 3000 K IP44/IP20 WT

FURTHER PRODUCT DETAILS
1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

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TRACKLIGHTS

REDUCED DESIGN, EXTENSIVE FUNCTIONS

TRACKLIGHT SPOT COMPACT

Design spotlight – aesthetic and functional

Page 46

Minimalist and low-profile spotlight in clear SCALE design with a driver integrated in the power rail.

Attractive color combinations of housing and decoration ring suitable for high-quality environments.

Choice of color for housing + ring:
- Matt white (WT) + titanium
- Matt black (BK) + gold
- Concrete gray (GY) + chrome

High quality of light thanks to CRI $\geq 90$ with SDCM $\leq 3$.

The Tracklight Spot Compact is available with a narrow ($NFL = 25^\circ$) or wide ($FL = 36^\circ$) beam angle.

OUR SPOTLIGHTS ARE ALSO CHARACTERIZED BY THE FOLLOWING SHARED QUALITY FEATURES:

- Included 3-phase adapter compatible with common power rails (such as NORLUX, GLOBAL, NUCO, NORDIC)
- High material quality thanks to die-cast aluminum housing
- High flexibility thanks to tilt and swivel joints
TRACKLIGHT SPOT ZOOM DIM
Accurately focused light for flexible illumination
Page 48

Outstanding quality of light thanks to CRI ≥ 97 with Ra9 > 90 (color rendering of red tones) and low-flicker light (< 10%).

DIM FUNCTION
Dimmable (7 %–100 %) by means of a slider on the housing; DIM level visible on a scale.

ZOOM LENS
Mechanical ZOOM lens made of high-quality PMMA with adjustable beam angle (15°–55°); angle visible on a scale on the lens holder. The ZOOM mechanism concealed in the housing keeps the shape of the housing unchanged.

TRACKLIGHT SPOT
Simply compact – a true all-rounder: Excellent light comfort thanks to CRI 90, SDCM ≤ 3 and UGR < 16. They master a wide range of lighting tasks thanks to replaceable, dust-proof reflectors and various power levels.
Page 50

THREE REFLECTORS FOR FLEXIBLE ACCENT LIGHTING
The reflectors are quick and easy to replace thanks to the practical bayonet connection and the supplied rubber suction cup.

The following replaceable reflectors are available: the supplied standard Medium 24° reflector, as well as 2 Spot 15° and Flood 38° reflectors (order separately as accessories).
TRACKLIGHT SPOT COMPACT
Shaped 3-phase tracklight spot with in-track control gear

PRODUCT FEATURES
— Robust die-cast aluminum housing
— Available in matt white (like RAL9010), matt black (like RAL9005) and concrete grey (like RAL7042)
— Compact tracklight spot with in-track control gear
— Very good color rendering CRI>90
— Color consistency: ≤ 3 SDCM (threshold unit)

PRODUCT BENEFITS
— High-quality spotlight thanks to excellent color rendering
— Included 3-phase adapter compatible with common tracks (NORLUX, GLOBAL, NUCO, NORDIC, POWERGEAR, EUTRAC)
— Attractive color combinations of housing/decoration ring in white/titanium, black/gold, gray/chrome
— Made in Germany
— 5 years guarantee

AREAS OF APPLICATION
— Direct replacement for luminaires using HID lamps
— Accent lighting
— Fashion shops, accessories shops
— Retail
— Hotels, restaurants, shops

FURTHER PRODUCT DETAILS

TR SP COMPACT D100 28 W 940 NFL BK
TR SP COM D100 28 W 4000 K FL

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
## FURTHER PRODUCT DETAILS

![0°-350°](image1)

![0°-90°](image2)

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1 [h]: L70/B50 @ 25 °C (Ta)/1 [h]: L80/B10 @ 25 °C (Ta)

- Superior Class
- Performance Class
- Value Class
TRACKLIGHT SPOT ZOOM DIM
Dimmable 3-phase tracklight spot with mechanical zoom lens

PRODUCT FEATURES
— Robust die-cast aluminum housing
— Available in matt white (like RAL9016), matt black (like RAL9004)
— Very good color rendering index CRI97 and CRI>90
— Dimmable (7% - 100%) via slider potentiometer directly on each luminaire
— Mechanical zoom lens with a beam angle of 15° to 55°

PRODUCT BENEFITS
— Dimmable 3-phase track-mounted spotlight with mechanical zoom optics integrated in the housing
— Included 3-phase adapter compatible with common tracks (GLOBAL, POWERGEAR, EUTRAC, STAFF, NOLUX, NUCO, NORDIC)
— High-quality spotlight thanks to excellent color rendering
— Low-flicker light
— 5 years guarantee

AREAS OF APPLICATION
— Direct replacement for luminaires using HID lamps
— Accent lighting
— Galleries, museums
— Fashion shops, accessories shops
— Shops, changing rooms, shop windows

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
FURTHER PRODUCT DETAILS

Product name | Segmentation | GTIN (EAN) | W | lm | K | L70 | L80 | L60 | A
---|---|---|---|---|---|---|---|---|---
TR SP ZOOM DIM D85 25 W 3000 K 97R WT | | 4058075335769 | 50W HCI | 25 | 1500 | 60 | 3000 | 50000 | 35000 | 15.00...55.00
TR SP ZOOM DIM D85 25 W 4000 K 97R WT | | 4058075335783 | 50W HCI | 25 | 1500 | 60 | 4000 | 50000 | 35000 | 15.00...55.00
TR SP ZOOM DIM D85 25 W 3000 K 97R BK | | 4058075335806 | 50W HCI | 25 | 1500 | 60 | 3000 | 50000 | 35000 | 15.00...55.00
TR SP ZOOM DIM D85 25 W 4000 K 97R BK | | 4058075335820 | 50W HCI | 25 | 1500 | 60 | 4000 | 50000 | 35000 | 15.00...55.00

Product name | CRI | L × W × H [mm] | Ø × H [mm] |
---|---|---|---|
TR SP ZOOM DIM D85 25 W 3000 K 97R WT | 97 | 1025 | 85 × 265 | 2
TR SP ZOOM DIM D85 25 W 4000 K 97R WT | 97 | 1025 | 85 × 265 | 2
TR SP ZOOM DIM D85 25 W 3000 K 97R BK | 97 | 1025 | 85 × 265 | 3
TR SP ZOOM DIM D85 25 W 4000 K 97R BK | 97 | 1025 | 85 × 265 | 3

1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)
SUPERIOR CLASS | PERFORMANCE CLASS | VALUE CLASS
TRACKLIGHT SPOT

3-phase tracklight spot with integrated control gear

PRODUCT FEATURES

- Robust die-cast aluminum housing
- Available in matt white (like RAL9016), matt black (like RAL9004) and concrete grey (like RAL7042)
- Very good color rendering index Ra: 90
- Rotation angle: 350°, tilt angle: 90°
- Equipped with reflectors with 24° beam angle

PRODUCT BENEFITS

- Deep reflector and black antiglare ring for minimized glare (UGR ≤ 16)
- Accessory reflectors with 15° or 38° beam angle available
- Reflector easily replaceable thanks to bayonet catch and rubber suction pad
- Included 3-phase adapter compatible with common tracks (GLOBAL, POWERGEAR, EUTRAC, STAFF, NORLUX, NUCO, NORDIC)
- Low-flicker light

AREAS OF APPLICATION

- Direct replacement for luminaires using HID lamps
- Accent lighting
- Fashion shops, accessories shops
- Retail
- Hotels, restaurants, shops

EQUIPMENT / ACCESSORIES

- Accessory reflectors with 15° or 38° beam angle available*

FURTHER PRODUCT DETAILS

* Please note: available = available as an optional accessory.
1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**PRODUCT FEATURES**

- Robust die-cast aluminum housing
- Available in matt white (like RAL9016), matt black (like RAL9004) and concrete grey (like RAL7042)
- Very good color rendering index Ra: 90
- Rotation angle: 350°, tilt angle: 90°
- Equipped with reflectors with 24° beam angle

**PRODUCT BENEFITS**

- Deep reflector and black antiglare ring for minimized glare (UGR ≤ 16)
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- Reflector easily replaceable thanks to bayonet catch and rubber suction pad
- Included 3-phase adapter compatible with common tracks (GLOBAL, POWERGEAR, EUTRAC, STAFF, NORLUX, NUCO, NORDIC)
- Low-flicker light

**AREAS OF APPLICATION**

- Direct replacement for luminaires using HID lamps
- Accent lighting
- Fashion shops, accessories shops
- Retail
- Hotels, restaurants, shops

**EQUIPMENT / ACCESSORIES**

- Accessory reflectors with 15° or 38° beam angle available* 

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*Please note: available = available as an optional accessory.

$1_{[h]}$: L70/B50 @ 25 °C (Ta) / $1_{[h]}$: L80/B10 @ 25 °C (Ta)

- **SUPERIOR CLASS**
- **PERFORMANCE CLASS**
- **VALUE CLASS**
Product name | Segmentation | GTIN (EAN) | W | lm | CRI | K | L70 | L80
---|---|---|---|---|---|---|---|---
TRACK SP D75 25 W 3000 K 90RA NFL WT | | 4058075113442 | 35W HD | 25 | 1750 | 70 | 3000 | 50000 | 45000 | 24
TRACK SP D75 25 W 4000 K 90RA NFL WT | | 4058075113466 | 35W HD | 25 | 1900 | 75 | 4000 | 50000 | 45000 | 24
TRACK SP D75 25 W 3000 K 90RA NFL BK | | 4058075113505 | 35W HD | 25 | 1750 | 75 | 3000 | 50000 | 45000 | 24
TRACK SP D75 25 W 4000 K 90RA NFL BK | | 4058075113589 | 35W HD | 25 | 1900 | 80 | 4000 | 50000 | 45000 | 24
TRACK SP D75 25 W 3000 K 90RA NFL GY | | 4058075113688 | 35W HD | 25 | 1750 | 75 | 3000 | 50000 | 45000 | 24
TRACK SP D75 25 W 4000 K 90RA NFL GY | | 4058075113701 | 35W HD | 25 | 1900 | 75 | 4000 | 50000 | 45000 | 24
TRACK SP D85 35 W 3000 K 90RA NFL WT | | 4058075113480 | 50WHD | 35 | 2660 | 70 | 3000 | 50000 | 45000 | 24
TRACK SP D85 35 W 4000 K 90RA NFL WT | | 4058075113503 | 50WHD | 35 | 2800 | 75 | 4000 | 50000 | 45000 | 24
TRACK SP D85 35 W 3000 K 90RA NFL BK | | 4058075113602 | 50WHD | 35 | 2800 | 80 | 4000 | 50000 | 45000 | 24
TRACK SP D85 35 W 4000 K 90RA NFL BK | | 4058075113626 | 50WHD | 35 | 2800 | 80 | 4000 | 50000 | 45000 | 24
TRACK SP D85 35 W 3000 K 90RA NFL GY | | 4058075113725 | 50WHD | 35 | 2660 | 75 | 3000 | 50000 | 45000 | 24
TRACK SP D85 35 W 4000 K 90RA NFL GY | | 4058075113749 | 50WHD | 35 | 2800 | 75 | 4000 | 50000 | 45000 | 24
TRACK SP D95 55 W 3000 K 90RA NFL WT | | 4058075113527 | 70W HD | 55 | 4000 | 70 | 3000 | 50000 | 45000 | 24
TRACK SP D95 55 W 4000 K 90RA NFL WT | | 4058075113541 | 70W HD | 55 | 4200 | 75 | 4000 | 50000 | 45000 | 24
TRACK SP D95 55 W 3000 K 90RA NFL BK | | 4058075113640 | 70W HD | 55 | 4200 | 75 | 3000 | 50000 | 45000 | 24
TRACK SP D95 55 W 4000 K 90RA NFL BK | | 4058075113664 | 70W HD | 55 | 4200 | 80 | 4000 | 50000 | 45000 | 24
TRACK SP D95 55 W 3000 K 90RA NFL GY | | 4058075113763 | 70W HD | 55 | 4000 | 75 | 3000 | 50000 | 45000 | 24
TRACK SP D95 55 W 4000 K 90RA NFL GY | | 4058075113787 | 70W HD | 55 | 4200 | 75 | 4000 | 50000 | 45000 | 24
TRACKLIGHT SPOT REFLECTOR

Interchangeable reflector

- Reflector easily replaceable thanks to bayonet catch and rubber suction pad
- Clear cover protects the reflector against dust and contact
- High optical efficacy
- Housing material: polycarbonate (PC)
- Accessory reflectors available in different beam angles

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1 Refer to www.ledvance.com/guarantee for precise conditions
LEDVANCE LED LUMINAIRES | WALL AND CEILING LUMINAIRES

WALL AND CEILING LUMINAIRES
IDEAL FOR PUBLIC AREAS

SURFACE COMPACT IK10
Page 56

ROBUST, POWERFUL SURFACE-MOUNTED LUMINAIRE
— Resistant to vandalism
— Transparent cover protects against dust and moisture
— High luminous efficacy

SURFACE BULKHEAD
Page 62
SURFACE BULKHEAD
SURFACE BULKHEAD SENSOR
SURFACE BULKHEAD EMERGENCY
SURFACE BULKHEAD SENSOR EMERGENCY
SURFACE BULKHEAD ACCESSORY RINGS

GREAT PERFORMANCE INDOORS AND OUTDOORS
— Extremely versatile through switchable, HF-sensor and 3h single-battery versions
— Suitable for use in public areas thanks to high IK rating
— Easy installation on wall and ceiling with through-wiring option

SURFACE CIRCULAR
Page 58
SURFACE CIRCULAR
SURFACE CIRCULAR SENSOR
SURFACE CIRCULAR COVER

FOR STANDARD APPLICATIONS
— Versions with sensor: easy adjustment of the sensor range, daylight detection and illumination time
— Energy savings of up to 55% compared with luminaires that use compact fluorescent lamps
— Quick and easy installation
ROBUST, RUGGED AND VANDAL-PROOF

LEDVANCE SURFACE BULKHEAD and LEDVANCE SURFACE COMPACT IK10 are characterized by rugged design, an impact-resistant housing made of reinforced polycarbonate with IK10 rating, and high IP65 degree of protection. Torx screws make it harder for the luminaires to be removed with a conventional screwdriver, making them ideally protected against vandalism.

SENSORS FOR SAFETY AND EFFICIENCY

LEDVANCE SURFACE BULKHEAD and CIRCULAR luminaires are available with state-of-the-art sensor technology. The flexible adjustment options allow illumination as required. This allows for light comfort and safety to be combined with maximum efficiency:

— HF sensor technology for motion detection
— Four-step twilight switching; activation adjustable between 2 and 50 lux
— Motion sensor with wide detection range (for wall and ceiling mounting); adjustable in five steps between 10 and 100 percent
— Hold time from 5 seconds to 30 minutes
SURFACE COMPACT IK10
Wall and ceiling luminaire with high impact resistance

PRODUCT FEATURES
- Housing and cover made from polycarbonate
- Impact resistance: IK10
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Through-wiring possible

PRODUCT BENEFITS
- Resistance against vandalism
- Transparent cover protects against dust and moisture
- LED protected for safe installation
- High luminous efficacy
- 5 years guarantee

AREAS OF APPLICATION
- Corridors
- Stairways
- Bathrooms
- Foyers
- Public areas

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
LEDVANCE LED LUMINAIRES | WALL AND CEILING LUMINAIRES

SURFACE COMPACT IK10
Wall and ceiling luminaire with high impact resistance

PRODUCT FEATURES
— Housing and cover made from polycarbonate
— Impact resistance: IK10
— Glow Wire Test according to IEC 60695-2-12: 850 °C
— Through-wiring possible

PRODUCT BENEFITS
— Resistance against vandalism
— Transparent cover protects against dust and moisture
— LED protected for safe installation
— High luminous efficacy
— 5 years guarantee

AREAS OF APPLICATION
— Corridors
— Stairways
— Bathrooms
— Foyers
— Public areas

SF COMPACT IK10 300 24 W 3000 K IP65 WT
IP65 WT

FURTHER PRODUCT DETAILS
1 Refer to www.ledvance.com/guarantee for precise conditions
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
SURFACE CIRCULAR
Wall and ceiling luminaires

PRODUCT FEATURES
— Metal housing, PMMA cover
— Versions with sensor: high-frequency sensor for daylight and motion detection
— Versions with sensor: 110° and 8 m detection range, threshold: 25 lx, 5 s/1 min/3 min/10 min
— Ambient temperature in operation: -20…+40 °C

PRODUCT BENEFITS
— Versions with sensor: easy adjustment of the sensor range, daylight detection and illumination time
— Energy savings of up to 55 % compared to luminaires that use CFL
— Easy and quick installation

AREAS OF APPLICATION
— Corridors
— Stairways
— Bathrooms
— Foyers

EQUIPMENT / ACCESSORIES
— Replacement cover optional available*

SF CIRCULAR 400 S 24 W 3000 K IP44 WT

FURTHER PRODUCT DETAILS

* Please note: available = available as an optional accessory.
† Versions with integrated sensor available | ‡ Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
## SURFACE CIRCULAR

Wall and ceiling luminaires with IP44

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
<th>∅ × ∅ × H [mm]</th>
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## SURFACE CIRCULAR SENSOR

Wall and ceiling luminaire with IP44 and high frequency sensor

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<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
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## SENSOR PROPERTIES

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<tr>
<th>Product name</th>
<th>Type of sensor</th>
<th>Sensor technology</th>
<th>Detection threshold of daylight sensor</th>
<th>Detection range of motion sensor</th>
<th>Sensor detection angle</th>
<th>Sensor controlled switching time</th>
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<tbody>
<tr>
<td>SURFACE CIRCULAR 250 SENSOR</td>
<td>Motion/Light</td>
<td>Microwave</td>
<td>25 lx</td>
<td>8 m</td>
<td>110 °</td>
<td>5 s/1 min/3 min/10 min</td>
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<td>25 lx</td>
<td>8 m</td>
<td>110 °</td>
<td>5 s/1 min/3 min/10 min</td>
</tr>
</tbody>
</table>

\* t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)
SURFACE CIRCULAR COVER
Replacement cover for Surface Circular

- Easy replacement of the cover without changing the luminaire
- Opal cover made of PMMA
- Impact resistance: IK03

AREAS OF APPLICATION
- Replacement for Surface Circular covers

<table>
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<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L x W x H [mm]</th>
<th>Ø x H [mm]</th>
<th>Material</th>
<th>Color</th>
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<td>Polymethylmethacrylate (PMMA) / Polymethyl methacrylate (PMMA)</td>
<td>White</td>
<td>120 1</td>
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</table>

1 Refer to www.ledvance.com/guarantee for precise conditions
Replacement cover for Surface Circular
— Easy replacement of the cover without changing the luminaire —
Opal cover made of PMMA
Impact resistance: IK03

AREAS OF APPLICATION

Replacement for Surface Circular covers

1 Refer to www.ledvance.com/guarantee for precise conditions

Product name GTIN (EAN) L × W × H [mm]
SF CIRCULAR 250 Cover 4058075 156722 250 x 80 Polymethylmethacrylate (PMMA) / Polymethyl methacrylate (PMMA) White 120 1
SF CIRCULAR 350 Cover 4058075 156807 350 x 104 Polymethylmethacrylate (PMMA) / Polymethyl methacrylate (PMMA) White 120 1
SF CIRCULAR 400 Cover 4058075 156821 400 x 112 Polymethylmethacrylate (PMMA) / Polymethyl methacrylate (PMMA) White 120 1
SURFACE BULKHEAD
Robust wall and ceiling luminaire for indoor or outdoor use

PRODUCT FEATURES
— Housing and cover made of UV-resistant PC.
— Available in 2 diameters, 2 housing colors and 2 light colors
— Always order cover separately.
— Versions: ring or eyelid cover
— Impact resistance: IK10
— Type of protection: IP65

PRODUCT BENEFITS
— Extremely versatile through switchable, HF-sensor and 3h single-battery versions
— Suitable for use in public areas thanks to high IK rating
— Easy installation on wall and ceiling with through-wiring option
— High luminous efficacy in normal operation
— All versions with 5-year guarantee, except emergency version: 3 years (built-in 3h battery)

AREAS OF APPLICATION
— Direct replacement for luminaires with fluorescent lamps
— Corridors, stairways, entrance areas
— Passages, underpasses
— Public areas

EQUIPMENT / ACCESSORIES
— Additional cover rings in different designs available**
— Mounting screws and dowels included

FURTHER PRODUCT DETAILS

SF BLKH 250 10W/3000K WT IP65

* All pictures show the luminaire with the accessory: SF BLKH RING. The accessory must be ordered separately.
** Please note: available = available as an optional accessory.
1 Versions with integrated sensor available

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**SURFACE BULKHEAD HEAD ON/OFF**

Robust wall and ceiling luminaire with IP65 protection

<table>
<thead>
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**SURFACE BULKHEAD SENSOR**

Robust wall and ceiling luminaire with IP65 protection and high-frequency sensor

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SURFACE BULKHEAD EMERGENCY

Robust wall and ceiling luminaire with IP65 protection and integrated emergency lighting function

### Product name

- **SF BLKH 250 EM 10 W 3000 K WT IP65**
- **SF BLKH 250 EM 10 W 4000 K WT IP65**
- **SF BLKH 250 EM 10 W 3000 K BK IP65**
- **SF BLKH 250 EM 10 W 4000 K BK IP65**
- **SF BLKH 300 EM 15 W 3000 K WT IP65**
- **SF BLKH 300 EM 15 W 4000 K WT IP65**
- **SF BLKH 300 EM 15 W 3000 K BK IP65**
- **SF BLKH 300 EM 15 W 4000 K BK IP65**

### Product name Segmentation GTIN (EAN)

- 4058075647305 1×16W CFL 10 800 80 3000 50000 35000 120
- 4058075647329 1×16W CFL 10 800 80 4000 50000 35000 120
- 4058075647343 1×16W CFL 10 800 80 3000 50000 35000 120
- 4058075647367 1×16W CFL 10 800 80 4000 50000 35000 120
- 4058075647626 1×28W CFL 15 1400 93 3000 50000 35000 120
- 4058075647640 1×28W CFL 15 1400 93 4000 50000 35000 120
- 4058075647688 1×28W CFL 15 1400 93 4000 50000 35000 120

### Product name Segmentation GTIN (EAN)

- SF BLKH 250 S EM 10W/3000K WT IP65
- SF BLKH 250 S EM 10W/4000K WT IP65
- SF BLKH 250 S EM 10W/3000K BK IP65
- SF BLKH 250 S EM 10W/4000K BK IP65
- SF BLKH 300 S EM 15W/3000K WT IP65
- SF BLKH 300 S EM 15W/4000K WT IP65
- SF BLKH 300 S EM 15W/3000K BK IP65
- SF BLKH 300 S EM 15W/4000K BK IP65

### Product name Segmentation GTIN (EAN)

- 4058075647381 1×16W CFL 12 800 80 3000 50000 35000 120
- 4058075647304 1×16W CFL 12 800 80 4000 50000 35000 120
- 4058075647628 1×16W CFL 12 800 80 4000 50000 35000 120
- 4058075647642 1×16W CFL 12 800 80 4000 50000 35000 120
- 4058075647701 1×28W CFL 17 1400 93 3000 50000 35000 120
- 4058075647725 1×28W CFL 17 1400 93 4000 50000 35000 120
- 4058075647748 1×28W CFL 17 1400 93 4000 50000 35000 120
- 4058075647763 1×28W CFL 17 1400 93 4000 50000 35000 120

### SURFACE BULKHEAD SENSOR EMERGENCY

Robust wall and ceiling luminaire with IP65 protection, high-frequency sensor and integrated emergency lighting function

### Product name

- **SF BLKH 250 S EM 10W/3000K WT IP65**
- **SF BLKH 250 S EM 10W/4000K WT IP65**
- **SF BLKH 250 S EM 10W/3000K BK IP65**
- **SF BLKH 250 S EM 10W/4000K BK IP65**
- **SF BLKH 300 S EM 15W/3000K WT IP65**
- **SF BLKH 300 S EM 15W/4000K WT IP65**
- **SF BLKH 300 S EM 15W/3000K BK IP65**
- **SF BLKH 300 S EM 15W/4000K BK IP65**

### Product name Segmentation GTIN (EAN)

- 4058075647381 1×16W CFL 12 800 80 3000 50000 35000 120
- 4058075647304 1×16W CFL 12 800 80 4000 50000 35000 120
- 4058075647628 1×16W CFL 12 800 80 4000 50000 35000 120
- 4058075647642 1×16W CFL 12 800 80 4000 50000 35000 120
- 4058075647701 1×28W CFL 17 1400 93 3000 50000 35000 120
- 4058075647725 1×28W CFL 17 1400 93 4000 50000 35000 120
- 4058075647748 1×28W CFL 17 1400 93 4000 50000 35000 120
- 4058075647763 1×28W CFL 17 1400 93 4000 50000 35000 120

### Product name Segmentation GTIN (EAN)

- SF BLKH 250 S EM 10W/3000K WT IP65
- SF BLKH 250 S EM 10W/4000K WT IP65
- SF BLKH 250 S EM 10W/3000K BK IP65
- SF BLKH 250 S EM 10W/4000K BK IP65
- SF BLKH 300 S EM 15W/3000K WT IP65
- SF BLKH 300 S EM 15W/4000K WT IP65
- SF BLKH 300 S EM 15W/3000K BK IP65
- SF BLKH 300 S EM 15W/4000K BK IP65

### Product name Segmentation GTIN (EAN)

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- SF BLKH 250 S EM 10W/3000K BK IP65
- SF BLKH 250 S EM 10W/4000K BK IP65
- SF BLKH 300 S EM 15W/3000K WT IP65
- SF BLKH 300 S EM 15W/4000K WT IP65
- SF BLKH 300 S EM 15W/3000K BK IP65
- SF BLKH 300 S EM 15W/4000K BK IP65

### L x W x H [mm]

- SF BLKH 250 EM 10 W 3000 K WT IP65 >80 <5 % IK10 258 x 70 3
- SF BLKH 250 EM 10 W 4000 K WT IP65 >80 <5 % IK10 258 x 70 3
- SF BLKH 250 EM 10 W 3000 K BK IP65 >80 <5 % IK10 258 x 70 3
- SF BLKH 250 EM 10 W 4000 K BK IP65 >80 <5 % IK10 258 x 70 3
- SF BLKH 300 EM 15 W 3000 K WT IP65 >80 <5 % IK10 308 x 70 3
- SF BLKH 300 EM 15 W 4000 K WT IP65 >80 <5 % IK10 308 x 70 3
- SF BLKH 300 EM 15 W 3000 K BK IP65 >80 <5 % IK10 308 x 70 3
- SF BLKH 300 EM 15 W 4000 K BK IP65 >80 <5 % IK10 308 x 70 3

### Notes:

- t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)
- SUPERIOR CLASS ☐ ☐
- PERFORMANCE CLASS ☐ ☐
- VALUE CLASS ☐ ☐

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### SENSOR PROPERTIES

<table>
<thead>
<tr>
<th>Product name</th>
<th>Type of sensor</th>
<th>Sensor technology</th>
<th>Detection threshold of daylight sensor</th>
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<td>SURFACE BULKHEAD 250 SENSOR</td>
<td>Motion/Light</td>
<td>Microwave</td>
<td>25 lx</td>
<td>8 m</td>
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<td>5 s/30 s/90 s/3 min/20 min/30 min</td>
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<td>8 m</td>
<td>110 °</td>
<td>5 s/30 s/90 s/3 min/20 min/30 min</td>
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### EMERGENCY LIGHTING PROPERTIES

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<th>Product name</th>
<th>Battery life in emergency operation mode</th>
<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
<th>Type of Battery</th>
</tr>
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<tbody>
<tr>
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<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>300 lm</td>
<td>LiFePO4</td>
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<tr>
<td>SF BLKH 250 EM 10 W 4000 K WT IP65</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>300 lm</td>
<td>LiFePO4</td>
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<td>SF BLKH 250 EM 10 W 3000 K BK IP65</td>
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<td>Maintained/Non-maintained</td>
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<td>SF BLKH 300 EM 15 W 3000 K BK IP65</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>300 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>SF BLKH 300 EM 15 W 4000 K BK IP65</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>300 lm</td>
<td>LiFePO4</td>
</tr>
</tbody>
</table>
SURFACE BULKHEAD ACCESSORIES
Recommended equipment for Surface Bulkhead

- Wide range of applications thanks to a large variety of versions
- PC cover in white or black
- As a ring or with eyelid cover
- Anti-theft screw (Torx) included

EQUIPMENT / ACCESSORIES
- Anti-theft screw included

SURFACE BULKHEAD RING
Attachable cover ring (IK10)

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L x W x H [mm]</th>
<th>Ø x H [mm]</th>
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<th>COLOR</th>
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SURFACE BULKHEAD EYELID
Attachable half-visor ring (IK10)

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</table>

1 Refer to www.ledvance.com/guarantee for precise conditions
# Panel Luminaire Specifications

## The Important Specifications at a Glance

<table>
<thead>
<tr>
<th>Product Family</th>
<th>Specifications</th>
<th>Guarantee</th>
<th>Installation Accessories Included</th>
<th>Available Versions</th>
<th>Grid Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PANEL INDIVILED</td>
<td>Up to 120 lm/W 60,000 h (L80/B10 @ 25°C) SDCM 3 UGR &lt; 16 IP40/IK08</td>
<td>5 years</td>
<td>External driver with Fast Connector 4 x security and suspension brackets Security cable DALI types have 5-pole connector box for toolless installation and through-wiring</td>
<td>ON/OFF IoT-ready DALI/Zigbee versions (dimmable)</td>
<td>600 × 600 625 × 625</td>
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<tr>
<td>2 PANEL IP54</td>
<td>120 lm/W 60,000 h (L80/B10 @ 25°C) SDCM 3 UGR &lt; 22 IP54</td>
<td>5 years</td>
<td>External driver 4 x security and suspension brackets Security cable</td>
<td>ON/OFF DALI</td>
<td>600 × 600 625 × 625</td>
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<tr>
<td>3 PANEL PERFORMANCE</td>
<td>Up to 120 lm/W Up to 60,000 h (L80/B10 @ 25°C) SDCM 3 UGR &lt; 22/UGR &lt; 19 IP40/IP20</td>
<td>5 years</td>
<td>External driver with Fast Connector 3- or 5-pole connector box for toolless installation and through-wiring (except TP(A) version) 4 x security &amp; suspension brackets included Security wire (all Panel PFM 600 and 1200, except TP(A) versions)</td>
<td>ON/OFF IoT-ready DALI/Zigbee versions (dimmable) Emergency (with EM CONV BOX) CRI 90</td>
<td>600 × 600 625 × 625 1,200 × 300</td>
</tr>
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</table>

1. For precise terms and conditions go to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)
### THE MOST IMPORTANT SPECIFICATIONS AT A GLANCE

<table>
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<tr>
<th>Product family</th>
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<th>Guarantee</th>
<th>Installation accessories included</th>
<th>Available versions</th>
<th>Grid size</th>
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<td>PANEL VALUE</td>
<td>Up to 100 lm/W 50,000 h (L70/B50 @ 25 °C) SDCM 5 UGR &lt; 22/UGR &lt; 19 IP40</td>
<td>3 years</td>
<td>External driver with Fast Connector 2 x security brackets</td>
<td>ON/OFF DALI Emergency (with EM CONV BOX)</td>
<td>600 × 600, 625 × 625, 1,200 × 600</td>
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</tbody>
</table>
PANEL INDIVILED®
Recessed luminaires with IndiviLED optics®

**PRODUCT FEATURES**
- Metal housing, lenses and reflectors made of polycarbonate (PC)
- Each LED with individual lens and reflector for UGR ≤ 16 and homogenous light distribution
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)
- Initial color consistency: 3 SDCM
- Accessories available for various recessed and surface-mounted options

**PRODUCT BENEFITS**
- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Low-flicker light
- Robust structure with IK08
- Versions available with on/off, IoT-ready DALI-2.0 or Zigbee 3.0 or emergency lighting function acc. to IEC 60598-2-22
- 5 years guarantee

**AREAS OF APPLICATION**
- Direct replacement for luminaires with fluorescent lamps
- Corridors
- Offices
- Conference rooms
- Reception areas

**EQUIPMENT / ACCESSORIES**
- Accessories for several mounting options available*
- Security rope for luminaire included
- External control gear included

---

**FURTHER PRODUCT DETAILS**

*Please note: available = available as an optional accessory.

¹ The ENEC and TÜV certifications apply exclusively to the switchable versions of the luminaire family, DALI versions and versions for emergency lighting are excepted.

² A 5-year guarantee applies to standard and DALI types; a 3-year guarantee for emergency versions.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
PANEL INDIVILED®
Square, recessed luminaires with IndiviLED® optics

<table>
<thead>
<tr>
<th>Product name</th>
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EMERGENCY LIGHTING PROPERTIES

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<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
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Product name Segment GTIN (EAN) | \[W \times L \times H \text{ [mm]}\] | \[\varnothing \times \varnothing \times H \text{ [mm]}\] |
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PANEL IP54
Recessed panel luminaires with IP54 protection

PRODUCT FEATURES

- Aluminum housing, PMMA diffuser
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)
- Initial color consistency: 3 SDCM
- Type of protection: IP54 (room side)
- Accessories available for various recessed and surface-mounted options

PRODUCT BENEFITS

- Suitable for use in dusty and damp locations thanks to high IP rating
- Low-flicker light
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- 5 years guarantee

AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Hospitals
- Laboratories
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm
- Kitchens, workspaces

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included

FURTHER PRODUCT DETAILS

* Please note: available = available as an optional accessory.
1 The ENEC and TÜV certifications apply exclusively to the switchable versions of the luminaire family, DALI versions are excepted.
2 Refer to www.ledvance.com/guarantee for precise conditions.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
LEDVANCE LED LUMINAIRES | PANEL LUMINAIRES

**PRODUCT FEATURES**

- Aluminum housing, PMMA diffuser
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)
- Initial color consistency: 3 SDCM
- Type of protection: IP54 (room side)
- Accessories available for various recessed and surface-mounted options

**PRODUCT BENEFITS**

- Suitable for use in dusty and damp locations thanks to high IP rating
- Low-flicker light
- Energy savings of up to 50% (compared to luminaires that use fluorescent lamps)
- 5 years guarantee

**AREAS OF APPLICATION**

- Direct replacement for luminaires with fluorescent lamps
- Hospitals
- Laboratories
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm
- Kitchens, workspaces

**EQUIPMENT / ACCESSORIES**

- Accessories for several mounting options available*
- External control gear included

---

**PANEL IP54**

- Recessed panel luminaires with IP54 protection
- Suitable for use in dusty and damp locations thanks to high IP rating
- Low-flicker light
- Energy savings of up to 50% (compared to luminaires that use fluorescent lamps)
- 5 years guarantee

**PRODUCT TABLE**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
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**L × W × H [mm]**

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<td>620 x 620 x 12.6</td>
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</tbody>
</table>

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* Please note: available = available as an optional accessory.

1. t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
PANEL PERFORMANCE GEN 3

Recessed panel luminaires with high luminous efficacy up to 120 lm/W and tool-free installation

PRODUCT FEATURES
- Extruded aluminium frame, Polystyrene diffuser
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)
- High luminous efficacy: up to 120 lm/W
- 3-pole terminal block, cable cross section up to 3x2.5mmsq (25 & 30W versions)
- DALI versions with DALI 2.0 IoT-ready driver, excluding UGR<19 TPA version

PRODUCT BENEFITS
- Comfortable light and high color consistency SDCM ≤3
- Through-wiring possible up to 2,5qmm with included connector box
- Low-flicker light thanks to special electronic control gear
- Energy savings thanks to high system efficacy of up to 120 lm/W
- 5 years guarantee

AREAS OF APPLICATION
- Direct replacement for luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

EQUIPMENT / ACCESSORIES
- Accessories for several mounting options available*
- Connector box with 3-pole or 5-pole terminal included
- Security rope for luminaire included

FURTHER PRODUCT DETAILS

* Please note: available = available as an optional accessory.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
## PANEL PERFORMANCE GEN 3

Recessed panel luminaires with high luminous efficacy up to 120 lm/W and tool-free installation

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
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<th>lm</th>
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1 [t]: L70/B50 @ 25 °C (Ta) / t [t]: L80/B10 @ 25 °C (Ta)
LEDVANCE LED LUMINAIRES | PANEL LUMINAIRES

**Panel Performance UGR<19**
Square recessed panel luminaires with luminous efficacy up to 120 lm/Ws, low glare

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>CRI</th>
<th>UGR</th>
<th>L x W x H [mm]</th>
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<th>Ø x H [mm]</th>
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<td>&lt;19</td>
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<td>1900</td>
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<td>&gt;80</td>
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<td>IP40/IP20</td>
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1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

- Superior Class
- Performance Class
- Value Class

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**PANEL PERFORMANCE 600 UGR<19 TPA**

Square recessed panel luminaires with TP(A) rated diffuser, low glare, 600 x 600 mm

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>L x W x H [mm]</th>
<th>∅ x H [mm]</th>
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</table>
PANEL VALUE
Recessed panel luminaires

PRODUCT FEATURES
- Extruded aluminum frame
- Polystyrene diffuser
- Lifetime (L70/B50): 50,000 h (at 25 °C)
- Accessories available for various recessed and surface-mounted options

PRODUCT BENEFITS
- Good glare reduction (UGR<19)
- Low-flicker light
- Value for money luminaire

AREAS OF APPLICATION
- Direct replacement for luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

EQUIPMENT / ACCESSORIES
- Accessories for several mounting options available*
- External control gear included
- Security brackets included

FURTHER PRODUCT DETAILS

PANEL VAL 600 36 W 3000 K WT

* Please note: available = available as an optional accessory.
1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
Recessed panel luminaires

### PANEL VALUE

#### Product name

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
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<td>9000</td>
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<td>100</td>
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#### PRODUCT FEATURES

- **Accessories available for various recessed and surface-mounted options**
- **CRI**: 80
- **UGR**: < 19
- **Value for money luminaire**
- **Low-flicker light**
- **Good glare reduction (UGR<19)**

#### PANEL VALUE

#### Product name

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#### PERFORMANCE CLASS

- **L70/B50**: 50,000 h (at 25 °C)
- **Polystyrene diffuser**
- **Extruded aluminum frame**

#### SECURITY BRACKETS

- Included

#### CONTROL GEAR

- Included

#### LIFE EXPECTANCY

- ** 가치 빌라이어**
- **Low-flicker light**
- **Good glare reduction (UGR<19)**

---

1. \( t \) [h]: L70/B50 @ 25 °C (Ta) / \( t \) [h]: L85/B10 @ 25 °C (Ta)
2. **SUPERIOR CLASS**
3. **PERFORMANCE CLASS**
4. **VALUE CLASS**
## Compatibility of Panel Accessories with Panel Families

<table>
<thead>
<tr>
<th>1. Surface Mount Kit</th>
<th>2. Surface Mount Kit Value</th>
<th>3. Emergency Conversion Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Pre-assembled ready to install</td>
<td>- Kit for tool-free mounting with corner clips</td>
<td>- Conversion of a selection of panels to safety luminaires</td>
</tr>
<tr>
<td>- Simple fixing with magnets</td>
<td>- Material: aluminum</td>
<td>- Reduces warehousing complexity</td>
</tr>
<tr>
<td>- Cross brace for greater stability</td>
<td></td>
<td>- Plug-and-play system for easy installation</td>
</tr>
<tr>
<td>- Material: aluminum</td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>- Suspension length: 1,500 mm</td>
<td>- Includes wires and brackets</td>
<td>- Ceiling thickness: 10 to 20 mm</td>
</tr>
<tr>
<td>- Material: steel</td>
<td>- Material: steel</td>
<td>- Material: steel</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Pre-assembled ready to install</td>
<td>- For ceiling mounting</td>
<td>- Tool-free electrical connection due to push button connector</td>
</tr>
<tr>
<td>- Seamless recessed mounting</td>
<td></td>
<td>- Through-wiring made possible</td>
</tr>
<tr>
<td>- Ceiling thickness: 8 to 30 mm</td>
<td></td>
<td>- Suitable for cable cross section up to 5 × 2.5 mm²</td>
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<tr>
<td>- Material: aluminum</td>
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---

1. LEDVANCE LED LUMINAIRES | PANEL LUMINAIRES
## COMPATIBILITIES AT A GLANCE

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<th>PANEL IP54</th>
<th>PANEL PERFORMANCE</th>
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</table>

1 The accessories are compatible with the Panels in the respectively matching size. For details refer to the User Instructions. | 2 Not in combination with Panel IndiviLED Emergency
3 Only with standard versions, not for DALI or Emergency versions | 4 Only with DALI or Emergency versions | 5 Not in combination with Surface Mount Kits, Surface Mount Clips or Suspension Kit

Technical product details for panel accessories

found on next page
**PANEL ACCESSORIES**

Mounting accessories for panel luminaires, combination according to the accessories matrix

- **Suspension Kit:**
  suspension length 1.5 m adjustable for various applications by screw connection

- **Surface Mount Kit:**
  sturdy, cross-stiffened aluminum frame with magnetic corners

- **Surface Mount Kit Value:**
  Aluminum frame with polycarbonate strip. With rectangular frame, panel insertion is possible from short or long frame side.

- **Recessed Mount Clips Value 1x4:**
  ceiling thickness 10 - 20 mm, plasterboard, wood and metal ceilings

- **Panel 1200 Security Bracket:**
  accessories for attaching a safety cable to the luminaire
### Mounting accessories for panel luminaires, combination according to the accessories matrix

- **Suspension Kit:**
  - Suspension length 1.5 m adjustable for various applications by screw connection

- **Surface Mount Kit:**
  - Sturdy, cross-stiffened aluminum frame with magnetic corners

- **Surface Mount Kit Value:**
  - Aluminum frame with polycarbonate strip. With rectangular frame, panel insertion is possible from short or long frame side.

- **Recessed Mount Clips Value 1x4:**
  - Ceiling thickness 10 - 20 mm, plasterboard, wood and metal ceilings

- **Panel 1200 Security Bracket:**
  - Accessories for attaching a safety cable to the luminaire

### Product Specification Table

<table>
<thead>
<tr>
<th>Product Name</th>
<th>GTIN (EAN)</th>
<th>L x W x H (mm)</th>
<th>D x H (mm)</th>
<th>Color</th>
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<tbody>
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<td>PANEL SECURITY KIT 4x</td>
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<td>Steel 2 11</td>
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PENDANT AND SURFACE-MOUNTED LUMINAIRES

GOOD LIGHT FOR GOOD RESULTS

**Panel Direct/Indirect**

- [Panel Direct/Indirect](#)
  - Panel Direct/Indirect DALI
  - Panel Direct/Indirect Zigbee

**Advanced Pendant Luminaire with Direct and Indirect Emission of Light**

- Functional SCALE design luminaire for office applications (driver integrated in the ceiling rose)
- Special directional light design and PMMA diffuser for homogeneous, low-glare lighting (UGR<19)
- Low-flicker light thanks to special electronic control gear

**Panel 1200 Direct/Indirect**

Exclusive and modern SCALE design pendant luminaire with very good light comfort through direct (70%) and indirect (30%) emission of light.

**Linear Indiviled Direct/Indirect**

- Linear Indiviled Direct/Indirect
  - Linear Indiviled Direct/Indirect Emergency
  - Linear Indiviled Accessories for Pendant Mounting and Strip Lighting

**Linear Indiviled Pendant Luminaire with Direct and Indirect Emission of Light**

- Luminaire in timeless SCALE design, usable as a single or lighting strip solution
- Versions available with DALI ECG or emergency lighting
- Increased light comfort with direct and indirect beam characteristic

**Linear Indiviled Direct**

- Linear Indiviled Direct
  - Linear Indiviled Direct Emergency
  - Linear Indiviled Accessories for Pendant Mounting and Strip Lighting

**Linear Indiviled Surface-Mounted and Pendant Luminaire**

- Luminaire in timeless SCALE design, usable as a single or lighting strip solution
- Versions available with DALI ECG (1500 25W), IoT-ready DALI-2.0 (all other) or Zigbee 3.0 or emergency lighting
- Direct-light, surface-mounted luminaire also usable as pendant (order accessories separately)
PANEL DIRECT/INDIRECT

Suspended edge-lit luminaires for direct and indirect light emission, low glare UGR<19

PRODUCT FEATURES
— Very slim aluminum housing
— Rectangular (1200 mm x 300 mm) stand-alone luminaires with direct (70 %) and indirect (30 %) light emission
— Steel cable suspension, length: 1.5 m
— Lifetime (L70/B50): up to 50,000 h (at 25 °C)
— IoT-ready versions with DALI-2.0 driver or Zigbee 3.0 technology

PRODUCT BENEFITS
— Functional SCALE design luminaire for office applications (driver integrated in the ceiling rose)
— Special directional light design and PMMA diffuser for homogeneous, low-glare lighting (UGR <19)
— Low flicker light thanks to special electronic control gear
— Comfortable light and high color consistency SDCM ≤3
— 5 years guarantee

AREAS OF APPLICATION
— Efficient replacement for traditional T8 and T5 luminaires
— Offices
— Meeting rooms
— Conference rooms
— Reception areas and foyers

EQUIPMENT / ACCESSORIES
— Suspension kit included

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
### Product name Segmentation GTIN (EAN) W Im L70 T80 L80

<table>
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<tr>
<th>Product name</th>
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<th>Im</th>
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### Product name CRI UGR L x W x H [mm] Ø x H [mm]

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<th>UGR</th>
<th>L x W x H [mm]</th>
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<td>&lt;19</td>
<td>&lt;10 %</td>
<td>3500</td>
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1 \( t \): L70/B50 @ 25 °C (Ta) / \( t \): L80/B10 @ 25 °C (Ta)  

- SUPERIOR CLASS  
- PERFORMANCE CLASS  
- VALUE CLASS  

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LINEAR INDIVILED® DIRECT/INDIRECT

Pendant luminaires with direct and indirect light emission

PRODUCT FEATURES
- Aluminum housing, plastic end caps, white
- Each LED with individual lens and reflector for UGR ≤ 16 and homogeneous light distribution
- Usable as a single or strip lighting luminaire
- The suspension kit has to be ordered separately as an accessory

PRODUCT BENEFITS
- Luminaire in timeless SCALE design, usable as a single or lighting strip solution
- Versions available with DALI ECG or emergency lighting
- Increased light comfort thanks to direct and indirect light emission
- Low flicker light thanks to special electronic control gear
- All versions with 5-year guarantee, except emergency version: 3 years (built-in 3h battery)

AREAS OF APPLICATION
- Direct replacement for luminaires with fluorescent lamps
- Offices, schools
- General indoor illumination
- Corridors, entrance areas
- Seamless linear lighting

EQUIPMENT / ACCESSORIES
- Suspension kit available*
- Line connection adapter available*

FURTHER PRODUCT DETAILS

* Please note: available = available as an optional accessory.
1 The ENEC certification applies exclusively to the switchable versions of the luminaire family, all other versions: DALI, sensor, emergency and versions for through-wiring are excepted.
2 Refer to www.ledvance.com/guarantee for precise conditions
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**LINEAR INDIVILED® DIRECT/INDIRECT**

Pendant luminaire for single luminaire or light line application

<table>
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<tr>
<th>Product name</th>
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<th>lm</th>
<th>K</th>
<th>L70</th>
<th>L80</th>
<th>iW</th>
<th>Ø</th>
<th>H [mm]</th>
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**LINEAR INDIVILED® DIRECT/INDIRECT EMERGENCY**

Pendant luminaire for single luminaire or light line application with emergency lighting

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**EMERGENCY LIGHTING PROPERTIES**

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<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
<th>Type of Battery</th>
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<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>410 lm</td>
<td>LiFePO4</td>
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<td>LN IND D/I 1500 56 W 3000 K E.M</td>
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<td>Maintained/Non-maintained</td>
<td>410 lm</td>
<td>LiFePO4</td>
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<td>LN IND D/I 1500 56 W 4000 K E.M</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>410 lm</td>
<td>LiFePO4</td>
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*1 [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)*

SUPERIOR CLASS | PERFORMANCE CLASS | VALUE CLASS
LINEAR INDIVILED® DIRECT/INDIRECT ACCESSORIES

Mounting accessories for LINEAR INDIVILED® luminaires

1 Suspension Kit:
   - 1 x transparent 1.5 m cable 3 x 0.75 mm +
   - 2 x Y wire suspension 1.5 m
2 DALI Suspension Kit:
   - 1 x transparent 1.5 m cable 5 x 0.75 mm +
   - 2 x Y wire suspension 1.5 m
3 Suspension Wire:
   - 1 x Y wire suspension 1.5 m
4 Through Wiring Kit:
   - 3 x 1.5 mm with fast connector
5 DALI Through Wiring Kit:
   - 2 x 1.5 mm with fast connector

1 Refer to www.ledvance.com/guarantee for precise conditions

<table>
<thead>
<tr>
<th>Product name</th>
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<td>Polycarbonate (PC)</td>
<td>Yellow</td>
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</table>
OUR CHECKLIST FOR YOUR LINEAR INDIVILED DALI SYSTEM

Typical installation: We have put together for you all the necessary components for suspended installation of three luminaires as strip lighting. For more information see the operating instructions for Linear IndiviLED.

UP TO 20 LUMINAIRES!

INSTALLATION OF 3 x LINEAR INDIVILED DALI

The through-wiring must be fitted by an installer.

ORDER LIST
— 3 x Linear IndiviLED Luminaire
— 3 x Throughwiring Kit
— 3 x Throughwiring Kit DALI
— 2 x Lightline Connector
— 1 x Suspension Kit
— 2 x Suspension Wire
LINEAR INDIVILED® DIRECT
Surface luminaires with direct light emission for single luminaire or light line application

PRODUCT FEATURES
— Aluminum housing, plastic end caps, white
— Each LED with individual lens and reflector for UGR ≤ 16 and homogeneous light distribution
— Usable as a single or strip lighting luminaire
— Mountable directly on the ceiling as a surface-mounted luminaire without additional accessories
— The suspension kit has to be ordered separately as an accessory

PRODUCT BENEFITS
— Luminaire in timeless SCALE design, usable as a single or lighting strip solution
— Versions available with DALI ECG (1500 25W), IoT-ready DALI-2.0 (all other), Zigbee 3.0 or emergency lighting
— Also usable as pendant (order accessories separately)
— Low flicker light thanks to special electronic control gear
— All versions with 5-year guarantee, except emergency version: 3 years (built-in 3h battery)

AREAS OF APPLICATION
— Direct replacement for luminaires with fluorescent lamps
— Offices, schools
— General indoor illumination
— Corridors, entrance areas
— Seamless linear lighting

EQUIPMENT / ACCESSORIES
— Suspension kit available*
— Line connection adapter available*

FURTHER PRODUCT DETAILS

LN INDV D 1500 48 W 4000 K DALI

* Please note: available = available as an optional accessory.
2 The ENEC certification applies exclusively to the switchable versions of the luminaire family, all other versions: DALI, sensor, emergency and versions for through-wiring are excepted.
3 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
### Linearity Individually Direct

Surface mounted luminaire for single luminaire or light line application

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
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1. [L]: L70/B50 @ 25 °C (Ta) / [t]: L80/B10 @ 25 °C (Ta)

- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
LINEAR INDIVILED® DIRECT EMERGENCY
Surface mounted luminaire for single luminaire or light line application with emergency lighting

### EMERGENCY LIGHTING PROPERTIES

<table>
<thead>
<tr>
<th>Product name</th>
<th>Battery life in emergency operation mode</th>
<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
<th>Type of Battery</th>
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<tr>
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<td>3 h</td>
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<td>Maintained/Non-maintained</td>
<td>410 lm</td>
<td>LiFePO4</td>
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<td>3 h</td>
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<td>LiFePO4</td>
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<td>LiFePO4</td>
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<tr>
<td>LN INDV D 1500 48 W 4000 K EM</td>
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<td>Maintained/Non-maintained</td>
<td>410 lm</td>
<td>LiFePO4</td>
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</tbody>
</table>

\*t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L85/B10 @ 25 °C (Ta)

- **SUPERIOR CLASS**
- **PERFORMANCE CLASS**
- **VALUE CLASS**
LINEAR INDIVILED® DIRECT ACCESSORIES
Mounting accessories for LINEAR INDIVILED® luminaires

— Suspension Kit:
  1 x transparent 1.5 m cable 3 x 0.75 mm +
  2 x Y wire suspension 1.5 m
— DALI Suspension Kit:
  1 x transparent 1.5 m cable 5 x 0.75 mm +
  2 x Y wire suspension 1.5 m
— Suspension Wire:
  1 x Y wire suspension 1.5 m
— Through Wiring Kit:
  3 x 1.5 mm with fast connector
— DALI Through Wiring Kit:
  2 x 1.5 mm with fast connector

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L × W × H (mm)</th>
<th>MATERIAL</th>
<th>COLOR</th>
<th>YEAR GUARANTEE</th>
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</table>

1 Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions
LINEAR LUMINAIRES

HIGH LEVELS OF COMFORT AND FLEXIBILITY

LINEAR SURFACE IP44

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LINEAR SURFACE IP44
LINEAR SURFACE IP44 EMERGENCY

IDEAL FOR SPECIAL APPLICATIONS WITH A HIGH DEGREE OF PROTECTION
— Robust IP44 and IK08 luminaire with integrated driver for surface and pendant mounting
— Replacement for traditional 2/36 W and 2/58 W versions
— Also available with 3-hour single battery on request (please note longer delivery time)

LINEAR ULTRA OUTPUT

Page 102
LINEAR ULTRA OUTPUT
LINEAR ULTRA OUTPUT EMERGENCY

EXCELLENT LIGHT OUTPUT
— Replacement of conventional T8 luminaires: equivalent to 1/36 W, 2/36 W, 1/58 W, 2/58 W and 2 × 80 W depending on the version
— Robust housing with IK08
— Optional reflector accessories and numerous wiring options for flexible applications

LINEAR COMPACT

Page 106
LINEAR COMPACT BATTEN
LINEAR COMPACT HIGH OUTPUT
LINEAR COMPACT SWITCH

COMPACT AND VERSATILE
— Flexible strip lighting versions possible, plug-in (High Output and Switch) or with wiring (Batten)
— Many options for fast and flexible mounting through extensive accessories
— High luminous flux of up to 2,500 lm

WHICH LUMINAIRE IS SUITABLE FOR WHICH APPLICATION?

LINEAR SURFACE IP44
General lighting and special applications requiring a high degree of protection

LINEAR ULTRA OUTPUT
Industry, general lighting

LINEAR COMPACT
Cove lighting, shop and hospitality
LINEAR SURFACE IP44
Surface mounted luminaire with IP44

PRODUCT FEATURES
— Housing made of white (similar to RAL 9010) painted sheet steel with UV-stable opal PC diffuser
— Feed from side or rear, through-wiring 5 x 2.5 sqmm possible
— End cap made of polycarbonate, white, mounted with 2 screws for more secure installation
— Lifetime (L70/ B50): up to 60,000 h
— Luminaire efficacy: up to 110 lm/W

PRODUCT BENEFITS
— Robust IP44 and IK08 luminaire with integrated driver for surface and suspended mounting
— Replacement for traditional 2/36 W and 2/58W versions
— Also available with 3-hour single battery on request (please note longer delivery time)
— All versions with 5-year guarantee, except emergency version: 3 years (built-in 3h battery)

AREAS OF APPLICATION
— Efficient replacement for traditional T8 and T5 luminaires
— Public buildings
— General illumination
— Libraries, schools

EQUIPMENT / ACCESSORIES
— Accessories for suspension available*

FURTHER PRODUCT DETAILS

* Please note: available = available as an optional accessory.
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
LINEAR SURFACE IP44
Robust IP44 luminaires with direct light emission and integrated driver for surface or suspended applications

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>W [W]</th>
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<td>43</td>
<td>5000</td>
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</table>

**Lifetime (L70/ B50):** up to 60,000 h

- **End cap made of polycarbonate,**
- **Feed from side or rear, through-wiring**
- **Housing made of white (similar to RAL 9010) painted sheet steel with UV-stable opal PC diffuser**

**PRODUCT FEATURES**

- **SUPERIOR CLASS**
- **PERFORMANCE CLASS**
- **VALUE CLASS**

LINEAR SURFACE IP44 EMERGENCY
Robust IP44 luminaires with direct light emission, integrated driver and integrated emergency lighting function

<table>
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<th>Segmentation</th>
<th>GTIN (EAN)</th>
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<th>lm</th>
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**Type of emergency operation test:**
- **Automatic**

**Type of emergency light operation:**
- **Maintained/Non-maintained**

**Luminous flux in emergency operation mode:**
- **350 lm**

**Type of battery:**
- **LiFePO4**

**EMERGENCY LIGHTING PROPERTIES**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Battery life to emergency operation mode</th>
<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
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<tr>
<td>LN SF IP44 EM 1200 36 W 4000 K WT</td>
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<td>350 lm</td>
<td>LiFePO4</td>
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<td>Maintained/Non-maintained</td>
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<td>LiFePO4</td>
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</table>

1 h: L70/B50 @ 25 °C (Ta) / 1 h: L80/B10 @ 25 °C (Ta)
LINEAR SURFACE ACCESSORIES
Mounting accessories for LINEAR SURFACE luminaires

- Suspension Kit:
  transp. cable 5-wire, 2 x wire suspension
  1.5 m + ceiling rose with terminal
- Suspension Wire:
  1 x Y wire suspension 1.5 m

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L x W x H [mm]</th>
<th>∅ x H [mm]</th>
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</table>

1 Refer to www.ledvance.com/guarantee for precise conditions
LINEAR ULTRA OUTPUT
Surface luminaire with high lumen output and high lumenous efficacy

PRODUCT FEATURES
- Housing made of robust white sheet steel, end cap and opal diffuser made of polycarbonate (PC)
- Versions with luminous flux between 3500 and 7100 lm available
- Very high lumenous efficacy: up to 125 lm/W
- Through-wiring possible
- Tool-free installation by push button terminal and simple click system of the diffuser

PRODUCT BENEFITS
- Replacement of conventional T8 luminaires: equivalent to 2/36W, 1/58W, 2/58W and 2x80W
- Robust structure with IK08
- Optional reflector accessory and multiple wiring possibilities for flexible applications
- Energy savings of up to 60 % compared to luminaires that use CFL
- 5 years guarantee

AREAS OF APPLICATION
- Direct replacement for luminaires with fluorescent lamps
- Industrial and commercial halls
- Public areas
- Corridors, stairwells, basements

EQUIPMENT / ACCESSORIES
- Mounting screws and dowels included

FURTHER PRODUCT DETAILS

LN UO 1500 60 W 4000 K

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**LINEAR ULTRA OUTPUT**

Surface luminaire with high luminous flux

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
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**LINEAR ULTRA OUTPUT EMERGENCY**

Surface luminaire with high luminous flux and integrated emergency lighting function

<table>
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<th>Segmentation</th>
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<th>L × W × H [mm]</th>
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<tr>
<td>LN UO EM 1500 60 W 4000 K</td>
<td></td>
<td>405807515390</td>
<td>2x40W FL 60 7100 120 4000 50000 40000 120</td>
<td></td>
</tr>
</tbody>
</table>

1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

SUPERIOR CLASS | PERFORMANCE CLASS | VALUE CLASS
**EMERGENCY LIGHTING PROPERTIES**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Battery life in emergency operation mode</th>
<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
<th>Type of Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN UO EM 1200 25 W 3000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1200 25 W 4000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1200 33 W 3000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1200 33 W 4000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1500 30 W 3000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1500 30 W 4000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1500 46 W 3000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
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<tr>
<td>LN UO EM 1500 46 W 4000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1500 60 W 3000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>LN UO EM 1500 60 W 4000 K</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>370 lm</td>
<td>LiFePO4</td>
</tr>
</tbody>
</table>
LINEAR COMPACT
Compact single or light line luminaire

PRODUCT FEATURES
- Housing made of durable polycarbonate
- High Output and Switch: fast and seamless connection up to a maximum of 10 luminaires per strip
- Batten: lighting strip with connection via the rear of the luminaire with up to 60 luminaires
- Up to 4 different lengths available
- Glow Wire Test according to IEC 60695-2-12: 850 °C

PRODUCT BENEFITS
- Flexible strip lighting versions possible, plug-in (High Output and Switch) or with wiring (Batten)
- Many options for fast and flexible mounting through extensive accessories
- High luminous flux up to 2500 lm
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

AREAS OF APPLICATION
- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Accent lighting
- Public areas

EQUIPMENT / ACCESSORIES
- Equipped with power plug, cable connector and line adapter for connecting further luminaires
- Mounting material for wall and ceiling installations included

FURTHER PRODUCT DETAILS

LN COMP Batten 1500 25 W 3000 K

* Applies only to Linear Compact HO and Switch
1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
LINEAR COMPACT SWITCH
Compact single or light line luminaire with switch

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
<th>∅ × H [mm]</th>
<th>t [h]: L70/B50 @ 25 °C (Ta)</th>
<th>t [h]: L80/B10 @ 25 °C (Ta)</th>
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<tbody>
<tr>
<td>LN COMP SWITCH 300 4 W 3000 K</td>
<td></td>
<td>4058073106079</td>
<td>313 x 28 x 36</td>
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<td>&gt;80</td>
<td>&lt;5 %</td>
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<td>313 x 28 x 36</td>
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<td>&gt;80</td>
<td>&lt;5 %</td>
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<tr>
<td>LN COMP SWITCH 600 8 W 3000 K</td>
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<td>4058073106116</td>
<td>573 x 28 x 36</td>
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<td>LN COMP SWITCH 900 12 W 3000 K</td>
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<td>4058073106192</td>
<td>873 x 28 x 36</td>
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<td>&lt;5 %</td>
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<tr>
<td>LN COMP SWITCH 900 12 W 4000 K</td>
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<td>4058073106215</td>
<td>873 x 28 x 36</td>
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<td>&gt;80</td>
<td>&lt;5 %</td>
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<tr>
<td>LN COMP SWITCH 1200 14 W 3000 K</td>
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<td>4058073106154</td>
<td>1173 x 28 x 36</td>
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<td>1173 x 28 x 36</td>
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<td>&gt;80</td>
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LINEAR COMPACT HIGH OUTPUT
Compact single or light line luminaire with high luminous flux

<table>
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<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
<th>∅ × H [mm]</th>
<th>t [h]: L70/B50 @ 25 °C (Ta)</th>
<th>t [h]: L80/B10 @ 25 °C (Ta)</th>
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</thead>
<tbody>
<tr>
<td>LN COMP HO 600 10 W 3000 K</td>
<td></td>
<td>4058073106277</td>
<td>313 x 24 x 36</td>
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<tr>
<td>LN COMP HO 900 15 W 3000 K</td>
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<td>573 x 24 x 36</td>
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<td>&gt;80</td>
<td>873 x 24 x 36</td>
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<tr>
<td>LN COMP HO 900 15 W 4000 K</td>
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<td>4058073106253</td>
<td>873 x 24 x 36</td>
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<tr>
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</tbody>
</table>
LINEAR COMPACT BATTEN
Compact luminaires with a wiring on the back side

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
<th>∅ × H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN COMP Batten 600 10 W 3000 K</td>
<td>1x18W FL</td>
<td>4058073099692</td>
<td>&gt;80 575 x 27 x 38</td>
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</tr>
<tr>
<td>LN COMP Batten 600 10 W 4000 K</td>
<td>1x18W FL</td>
<td>4058073099715</td>
<td>&gt;80 575 x 27 x 38</td>
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</tr>
<tr>
<td>LN COMP Batten 1200 20 W 3000 K</td>
<td>1x36W FL</td>
<td>4058073099739</td>
<td>&gt;80 1175 x 27 x 38</td>
<td></td>
</tr>
<tr>
<td>LN COMP Batten 1200 20 W 4000 K</td>
<td>1x36W FL</td>
<td>4058073099753</td>
<td>&gt;80 1175 x 27 x 38</td>
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</tr>
<tr>
<td>LN COMP Batten 1500 25 W 3000 K</td>
<td>1x58W FL</td>
<td>4058073099777</td>
<td>&gt;80 1475 x 27 x 38</td>
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</tr>
<tr>
<td>LN COMP Batten 1500 25 W 4000 K</td>
<td>1x58W FL</td>
<td>4058073099791</td>
<td>&gt;80 1475 x 27 x 38</td>
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</tr>
</tbody>
</table>
SUPERIOR CLASS    PERFORMANCE CLASS    VALUE CLASS

Product name Segmentation GTIN (EAN)

LN COMP Batten 600 10 W 3000 K 4058075
099692
099715

LN COMP Batten 1200 20 W 3000 K 4058075
099739

LN COMP Batten 1500 25 W 3000 K 4058075
099777

LN COMP Batten 1500 25 W 4000 K 4058075
099791

Product name  L × W × H [mm] ∅ × H [mm]

LN COMP Batten 600 10 W 3000 K >80 575 x 27 x 38
LN COMP Batten 600 10 W 4000 K >80 575 x 27 x 38
LN COMP Batten 1200 20 W 3000 K >80 1175 x 27 x 38
LN COMP Batten 1200 20 W 4000 K >80 1175 x 27 x 38
LN COMP Batten 1500 25 W 3000 K >80 1475 x 27 x 38
LN COMP Batten 1500 25 W 4000 K >80 1475 x 27 x 38

23123_KAT_LUM_Trade_W8_EN.indd   73
20.08.20   16:07
For more detailed information about the TruSys and TruSys Performance systems see the system data sheet at www.ledvance.com/professional
TRUSYS® PERFORMANCE
Efficient trunking system for a wide range of applications

PRODUCT FEATURES
- Sheet steel housing, lens material: PMMA
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)
- Fixed luminaire taps
- Click into place solution with smart click buttons

PRODUCT BENEFITS
- Economical thanks to high luminous efficacy of 160 lm/W.
- Flexible application through a wide range of beam angles
- New also with double asymmetric beam angle: 2x30°
- Lighting strips with up to 57 luminaires (on/off) and 66 luminaires (DALI)
- Easy installation, no tools required for connection

AREAS OF APPLICATION
- Direct replacement for luminaires with fluorescent lamps
- Industry halls, high rack warehouse, garages, hardware stores
- Discounters, supermarkets

EQUIPMENT / ACCESSORIES
- Mounting rail with fixed integrated 5- and 8-pole cable

FURTHER PRODUCT DETAILS

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

1 The D mark refers exclusively to the switchable luminaire inserts, DALI and emergency light versions (EM) are excluded.
2 Refer to www.ledvance.com/guarantee for precise conditions
FURTHER PRODUCT DETAILS

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
### TRUSYS® PERFORMANCE

Luminaire inserts for trunking system TruSys® Performance

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TruSys PFM VW 35 W 4000 K</td>
<td>✔</td>
<td>4058075290921</td>
</tr>
<tr>
<td>TruSys PFM VW 50 W 4000 K</td>
<td>✔</td>
<td>4058075398771</td>
</tr>
<tr>
<td>TruSys PFM VW 70 W 4000 K</td>
<td>✔</td>
<td>4058075398818</td>
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<tr>
<td>TruSys PFM W 35 W 4000 K</td>
<td>✔</td>
<td>4058075290839</td>
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<tr>
<td>TruSys PFM W 50 W 4000 K</td>
<td>✔</td>
<td>4058075290953</td>
</tr>
<tr>
<td>TruSys PFM W 70 W 4000 K</td>
<td>✔</td>
<td>4058075290991</td>
</tr>
<tr>
<td>TruSys PFM N 35 W 4000 K</td>
<td>✔</td>
<td>4058075398719</td>
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<tr>
<td>TruSys PFM N 50 W 4000 K</td>
<td>✔</td>
<td>4058075290945</td>
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<tr>
<td>TruSys PFM N 70 W 4000 K</td>
<td>✔</td>
<td>4058075290969</td>
</tr>
<tr>
<td>TruSys PFM VN 35 W 4000 K</td>
<td>✔</td>
<td>4058075398896</td>
</tr>
<tr>
<td>TruSys PFM VN 50 W 4000 K</td>
<td>✔</td>
<td>4058075398757</td>
</tr>
<tr>
<td>TruSys PFM VN 70 W 4000 K</td>
<td>✔</td>
<td>4058075291083</td>
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<tr>
<td>TruSys PFM DS 35 W 4000 K</td>
<td>✔</td>
<td>4058075398733</td>
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<tr>
<td>TruSys PFM DS 50 W 4000 K</td>
<td>✔</td>
<td>4058075398795</td>
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<tr>
<td>TruSys PFM DS 70 W 4000 K</td>
<td>✔</td>
<td>4058075398832</td>
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<tr>
<td>TruSys PFM VW 35 W 4000 K DALI</td>
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<td>4058075291072</td>
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<td>TruSys PFM W 35 W 4000 K DALI</td>
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<tr>
<td>TruSys PFM W 50 W 4000 K DALI</td>
<td>✔</td>
<td>4058075291034</td>
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<tr>
<td>TruSys PFM W 70 W 4000 K DALI</td>
<td>✔</td>
<td>4058075291058</td>
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<tr>
<td>TruSys PFM N 50 W 4000 K DALI</td>
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<td>TruSys PFM N 70 W 4000 K DALI</td>
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<tr>
<td>TruSys PFM VN 70 W 4000 K DALI</td>
<td>✔</td>
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</table>

1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
TRUSYS® PERFORMANCE EMERGENCY
Luminaire inserts for trunking system TruSys® Performance for standard and emergency lighting

EMERGENCY LIGHTING PROPERTIES

<table>
<thead>
<tr>
<th>Product name</th>
<th>Battery life in emergency operation mode</th>
<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
<th>Type of Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>TruSys PFM EM W 35 W 4000 K AT 3H</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>600 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>TruSys PFM EM W 50 W 4000 K AT 3H</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>600 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>TruSys PFM EM W 70 W 4000 K AT 3H</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>600 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>TruSys PFM EM VW 35 W 4000 K AT 3H</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>600 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>TruSys PFM EM N 50 W 4000 K AT 3H</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>600 lm</td>
<td>LiFePO4</td>
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<tr>
<td>TruSys PFM EM N 70 W 4000 K AT 3H</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>600 lm</td>
<td>LiFePO4</td>
</tr>
<tr>
<td>TruSys PFM EM VN 70 W 4000 K AT 3H</td>
<td>3 h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>600 lm</td>
<td>LiFePO4</td>
</tr>
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</table>

1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

■ SUPERIOR CLASS ■ PERFORMANCE CLASS ■ VALUE CLASS

115
TRUSYS® PERFORMANCE
Trunking system - Energy rails

- High flexibility thanks to two available lengths (1500 mm, 3000 mm and 1500 mm end rail)
- Simple installation
- Steel-sheet housing
- Internal power supply at the first luminaire with separate feeder
- Through-wired with 5-pin or 8-pin cable
- End-Rail without electrical and mechanical connectors

AREAS OF APPLICATION
- Industry halls, high rack warehouse, garages, hardware stores

EQUIPMENT / ACCESSORIES
- Various accessories available*

TRUSYS® PERFORMANCE ENERGY RAILS
Mounting rails for trunking system TruSys® Performance

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L x W x H (mm)</th>
<th>Ø x H (mm)</th>
<th>Color</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>TruSys PFM ENERGY RAIL SP 1500</td>
<td>4058075299443</td>
<td>1650 x 70 x 39</td>
<td>Steel White</td>
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<td>1500 x 70 x 39</td>
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<tr>
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<td>3150 x 70 x 39</td>
<td>Steel White</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

* Please note: available = available as an optional accessory.
1 Refer to www.ledvance.com/guarantee for precise conditions
**TRUSYS® PERFORMANCE**

Trunking system - Accessories

- Suspension Kit:
  wire suspension with bracket and
  3 m steel cable
- Chain Kit:
  set consists of 2 mounting brackets and
  swing hooks
- End Cap Energy rail:
  End cap for track and luminaire carrier
  in one
- End Cap Low Energy Rail:
  End cap only for track
- Surface Clip:
  set consists of 2 mounting clips for
  ceiling mounting
- Grid Ceiling Clip:
  1 mounting clip for surface mounting
  on grid ceilings
- Spot Track 1500:
  150 cm insert with a 90 cm track rail for
  installation of up to 3 LEDVANCE track spots

<table>
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<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L x W x H [mm]</th>
<th>Ø x H [mm]</th>
<th>MATERIAL</th>
<th>COLOR</th>
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1 Refer to www.ledvance.com/guarantee for precise conditions
OUR CHECKLIST FOR YOUR PERFECT TRUSYS PERFORMANCE SOLUTION

Example installation: So you can install a tailor-made TruSys Performance lighting system for your customers we have put together a summary of the components you’ll need for individual luminaires or strip lighting. With appropriate accessories depending on the type of mounting (surface or suspended). For simple strip lighting the mechanical and electrical connectors are already integrated in the trunking.

TRUSYS PERFORMANCE INSTALLATION • WITHOUT AND • WITH BLIND COVER

FOR INSTALLATION YOU WILL NEED:

- 1 × TruSys Performance Feed-in (5- or 8-pin)
- X × TruSys Performance Energy Rail 5- or 8-pin (available as a collective (10 ×) or single unit)
- 1 × TruSys Performance End Energy Rail
- X × TruSys Performance LED luminaire insert (TruSys Performance Blind Cover as required)
- X × TruSys Performance Spot Track 1500 insert (optional)
- X × Accessories depending on type of mounting (surface or suspended)
- 1 × Set TruSys Performance End Cap Energy Rail or End Cap Low Energy Rail
TRUSYS PERFORMANCE
REQUIREMENTS TABLE

Requirements table for sample strip lighting when allocating luminaire inserts to every second insert adapter (50%) or every third insert adapter (33%) on the mounting rails (Energy Rail).

### 50%

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<th>Length of strip lighting</th>
<th>TruSys PFM luminaire insert</th>
<th>Blind cover</th>
<th>3 m rail</th>
<th>1.5 m rail</th>
<th>End rail</th>
<th>Min. installation points</th>
<th>Feed-in adapter</th>
<th>End caps</th>
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### 33%

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<th>TruSys PFM luminaire insert</th>
<th>Blind cover</th>
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Luminaire insert 1,500 mm
Blind cover 1,500 mm

All figures mentioned are based on a single installation; deviations from the content possible as per EAN. For precise light planning for your project, please contact your sales representative.

1 Calculation based on a distance of 0.75 m from the start and end of the rail to the first and last installation point. Additional installation points every 3 m max.
TRUSYS®

High quality trunking system for a wide range of applications

PRODUCT FEATURES
- Luminaire carrier made of high-quality aluminum
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)
- Fixed energy taps for electrical connection
- Mounting clips not visible after installation

PRODUCT BENEFITS
- Luminous efficacy: up to 135 lm/W
- Innovative optical design with a rod lens technology over the entire length of the luminaire
- Rows of up to 81 luminaires and an overall length of 124 m possible
- Energy savings of up to 65 % compared to luminaires with 2 x 80 W T5 lamps
- Flexible application through a wide range of beam angles including asymmetrical optics

AREAS OF APPLICATION
- Direct replacement for luminaires with compact fluorescent lamps
- Industry halls, high rack warehouse, garages, hardware stores
- Discounters, supermarkets

EQUIPMENT / ACCESSORIES
- Mounting rail with fixed integrated 5- (On-Off) / 7-pole (DALI) cable

FURTHER PRODUCT DETAILS

TRUSYS 53 W 6500 K NFL
TRUSYS 53 W 6500 K W
TRUSYS 53 W 6500 K WW

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
Luminaire inserts for trunking system TruSys®: ON/OFF and DALI

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<tr>
<th>Product name</th>
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<th>K</th>
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1 | t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)
**TRUSYS®**

Trunking system - Energy rails

- High flexibility thanks to three available lengths (1500 mm, 3000 mm, 4500 mm)
- Simple installation
- Rigid housing made of aluminum
- Internal power supply at the first luminaire with separate feeder
- Through-wired with 5-pin or 7-pin cable

**AREAS OF APPLICATION**

- Industry halls, high rack warehouse, garages, hardware stores
- Discounters, supermarkets

**EQUIPMENT / ACCESSORIES**

- Various accessories available*

---

**TRUSYS® ENERGY RAILS**

Mounting rails for trunking system TruSys®

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>TruSys ENERGY RAIL 1500 5X2,5</td>
<td>4058075100299</td>
<td>1535 x 67 x 44</td>
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</table>

* Please note: available = available as an optional accessory.
* Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions.
TRUSYS®
Trunking system - Accessories

- Suspension Kit: wire suspension with bracket and 3 m steel cable
- Blind Cover: 1534 mm
- Electrical Connector: for initial power supply

TRUSYS® ACCESSORIES
Mounting accessories for TruSys®

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
<th>Ø × H [mm]</th>
<th>W</th>
<th>C</th>
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</table>

1 Refer to www.ledvance.com/guarantee for precise conditions
Example installation: So you can install a tailor-made TruSys lighting system for your customers we have put together a summary of the components you’ll need for individual luminaires or strip lighting. With appropriate accessories depending on the type of mounting (surface or suspended). For simple strip lighting the mechanical and electrical connectors are already integrated in the trunking.

OUR CHECKLIST FOR YOUR PERFECT TRUSYS SOLUTION

For more information on installation and components see the operating instructions for the relevant TruSys model.
## TRUSYS REQUIREMENTS TABLE

Requirements table for sample strip lighting when allocating luminaire inserts to every second insert adapter (50%) or every third insert adapter (33%) on the mounting rails (Energy Rail).

### 50%

<table>
<thead>
<tr>
<th>Length of strip lighting</th>
<th>4.5 m rail</th>
<th>3 m rail</th>
<th>1.5 m rail</th>
<th>Min. installation points¹</th>
<th>Feed-in adapter</th>
<th>End caps</th>
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<tr>
<td>4.5 m</td>
<td>2</td>
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<td>7.5 m</td>
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<td>3</td>
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<td>16.5 m</td>
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<td>4</td>
<td>1</td>
<td>1</td>
<td>6</td>
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<tr>
<td>19.5 m</td>
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<td>37.5 m</td>
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### 33%

<table>
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<tr>
<th>Length of strip lighting</th>
<th>4.5 m rail</th>
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<th>1.5 m rail</th>
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<th>Feed-in adapter</th>
<th>End caps</th>
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<td>6.0 m</td>
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<td>19.5 m</td>
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<td>4</td>
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<td>6</td>
<td>1</td>
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<tr>
<td>24.0 m</td>
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<td>28.5 m</td>
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<td>33.0 m</td>
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All figures mentioned are based on a single installation; deviations from the content possible as per EAN. For precise light planning for your project, please contact your sales representative.

¹ Calculation based on a distance of 0.75 m from the start and end of the rail to the first and last installation point. Additional installation points every 3 m max.
DAMP-PROOF LUMINAIRIES

FIRST-CLASS LIGHTING AND EASY INSTALLATION – STANDING OUT IN DEMANDING ENVIRONMENTS

DAMP PROOF SPECIAL GEN 2
Page 138

FOR SPECIAL APPLICATIONS
— Completely sealed for use in agricultural applications
— Also usable in uncovered outdoor areas
— Via the rotatable mounting the luminaire can be fixed in any position for optimal light steering

DAMP PROOF COMPACT IP66
Page 132

MODERN DAMP-PROOF LUMINAIRE
— Easy access to the terminal thanks to the twist-and-lock mechanism on the end cap
— Movable mounting bracket over the full length allows use of old drill holes
— Fast rewiring thanks to integrated through-wiring

DAMP PROOF HOUSING
Page 140

THE IDEAL CHOICE FOR LAMP FANS
— Sustainable solution thanks to replaceable lamps
— Prewired for easy installation of tubular AC LED lamps
— Robust housing

DAMP PROOF VALUE
Page 144

CLASSIC DESIGN WITH PROVEN FUNCTIONALITY
— Uniform distribution of light
— Energy savings of up to 50% (compared with luminaires that use fluorescent lamps)
— Easy installation and tool-free connection

DAMP PROOF SLIM VALUE
Page 142

LOW IN FORM AND PRICE
— Homogeneous quality of light with a wide beam angle
— Simple installation thanks to mounting clips that can be freely positioned on the luminaire
— Easy access to the terminal thanks to the snap-on mechanism on the end cap
THE RIGHT DAMP-PROOF LUMINAIRE FOR EVERY OCCASION

Discover now our broad portfolio which can be used for almost any standard application: In addition to classic versions, our range includes modern design luminaires – both in Performance Class and Value Class. There’s also our Damp Proof Special with exceptional performance which is perfect for demanding environments.

OUR LEDVANCE DAMP PROOFS ARE EASY TO MOUNT

Damp Proof Compact

INSTALLATION IN NO TIME AT ALL USING THE DAMP PROOF COMPACT AS AN EXAMPLE

The end caps with their “Twist & Lock” mechanism allow for quick tool-free electrical connection.

THROUGH-WIRING OF DAMP PROOFS AT A GLANCE

<table>
<thead>
<tr>
<th>Material</th>
<th>Application</th>
<th>Lifetime¹ Guarantee²</th>
<th>One-sided connection</th>
<th>3 x 1.5 mm² through-wiring preinstalled</th>
<th>5 x 2.5 mm² through-wiring preinstalled</th>
<th>DALI Emergency lighting function</th>
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<td>PMMA</td>
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<td>✔</td>
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<tr>
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<td>5 years</td>
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<tr>
<td>DP Compact</td>
<td>PC, stainless steel</td>
<td>50,000 h L70</td>
<td>✔</td>
<td>✔</td>
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<td></td>
<td>5 years</td>
<td></td>
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<td>DP Slim Value</td>
<td>PC, stainless steel</td>
<td>30,000 h L70</td>
<td>✔</td>
<td>✔</td>
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<td></td>
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<td>3 years</td>
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<td>Through-wiring possible³</td>
<td>32 W 4,000K</td>
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<td>5 years</td>
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<tr>
<td>DP VALUE</td>
<td>PC, stainless steel</td>
<td>50,000 h L70</td>
<td>✔</td>
<td>Through-wiring possible³</td>
<td>Through-wiring possible³</td>
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<td></td>
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<td>3 years</td>
<td></td>
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<td>PC, stainless steel</td>
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<td>Through-wiring possible³</td>
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¹ [h]: L70/B50 @ 25 °C (TJ) / 1 [h]: L80/B10 @ 25 °C (TJ) ² For precise terms and conditions go to www.ledvance.com/guarantee
³ The product is technically equipped for through-wiring. Additional components may be required. Please refer to the operating instructions for accessories included.
DAMP PROOF COMPACT IP66
Damp-proof luminaire, through-wired (L, N, E)

PRODUCT FEATURES
- Polycarbonate housing with stainless steel mounting brackets and suspension and anti-theft kit
- Through-wiring cable 3x1.5mm² already installed
- Type of protection: IP66
- Ambient temperature in operation: -30…+50 °C
- High luminous efficacy: up to 120 lm/W

PRODUCT BENEFITS
- Easy access to electrical terminal thanks end caps with twist and lock mechanism
- Movable mounting bracket over the full length allows use of old drill holes
- Fast rewiring thanks to integrated through-wiring
- Tool-free electrical connection due to push button connector
- 5 years guarantee

AREAS OF APPLICATION
- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

EQUIPMENT / ACCESSORIES
- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

FURTHER PRODUCT DETAILS
**PRODUCT FEATURES**

- High luminous efficacy: up to 120 lm/W
- Ambient temperature in operation: -30°C to +50°C
- Type of protection: IP66

**PRODUCT BENEFITS**

- Tool-free electrical connection due to push button connector
- Through-wiring cable 3x1.5mm²
- Easy access to electrical terminal thanks to end caps with twist and lock mechanism
- Fast rewiring thanks to integrated through-wiring
- Full length allows use of old drill holes
- Workshops, assembly lines, garages, car parks and underpasses, industrial and storage facilities

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### Product Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>lm</th>
<th>K</th>
<th>L70</th>
<th>L80</th>
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<td>1x5W FL</td>
<td>23</td>
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<td>120</td>
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1 t [h]: L70/B50 @ 25 °C (Ta) / 1 t [h]: L80/B10 @ 25 °C (Ta)

- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
DAMP PROOF GEN 2
Damp-proof luminaires

PRODUCT FEATURES
- Polycarbonate housing with stainless steel mounting brackets and suspension and anti-theft kit
- Available as switchable, 5 x 2.5 sqmm through-wired, DALI and emergency 3h battery
- Type of protection: IP65
- Ambient temperature range during operation: -25°C to +40°C
- High luminous efficacy: up to 135 lm/W

PRODUCT BENEFITS
- Wide range of applications (switchable, DALI, through-wired, battery for safety lighting)
- Flexible use through extensive mounting and suspension accessories (included)
- D-marking for mounting on surfaces with limited surface temperature
- Energy savings of up to 60 % (compared to luminaires that use fluorescent lamps)
- All versions with 5-year guarantee, except emergency version: 3 years (built-in 3h battery)

AREAS OF APPLICATION
- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

EQUIPMENT / ACCESSORIES
- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

FURTHER PRODUCT DETAILS

DP 1200 18 W 4000 K IP65 GY

1. The Damp Proof luminaires are certified as follows: On/Off, DALI and through-wiring versions: TÜV Süd and ENEC, Emergency versions: CE.
2. 5 years of guarantee apply to all product types with the exception of the emergency version (3-year guarantee).

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**DAMP PROOF ON/OFF + DALI**

Damp-proof luminaires, classic shape

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>lm</th>
<th>K</th>
<th>L70</th>
<th>L80</th>
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1. [H]: L70/B50 @ 25 °C (Ta) / [h]: L80/B10 @ 25 °C (Ta)
### DAMP PROOF 5x THROUGHWIRING
Damp-proof luminaires, classic shape with 5 x 2.5 mm² throughwiring

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### DAMP PROOF EMERGENCY
Damp-proof luminaires, classic shape with integrated emergency lighting function

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1[h]: L70/B50 @ 25 °C (Ta) / 1[h]: L80/B10 @ 25 °C (Ta)
## EMERGENCY LIGHTING PROPERTIES

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<th>Product name</th>
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DAMP PROOF SPECIAL GEN 2

Tubular damp-proof luminaire with extra high IP rating, ammonium-resistant and for outdoor applications

PRODUCT FEATURES
- Sealed housing made of PMMA
- Ammonium resistant
- Type of protection: IP67 (DIN EN 60529), IP69K (ISO 20653:2013)
- Through-wiring cable already installed in the luminaire

PRODUCT BENEFITS
- Completely sealed for use in agricultural applications
- Also usable in uncovered outdoor areas
- Via the rotatable mounting the luminaire can be fixed in any position for optimal light steering
- Easy installation as mounting brackets can be positioned freely on the luminaire
- 5 years guarantee

AREAS OF APPLICATION
- Keeping farm animals except poultry
- Food industry
- Open car parks and underpasses
- Garages
- Workshops, assembly lines

FURTHER PRODUCT DETAILS

DP SPECIAL 1500 50 W 4000 K WT IP67

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**PRODUCT FEATURES**
- Sealed housing made of PMMA
- Ammonium resistant
- Type of protection: IP67 (DIN EN 60529), IP69K (ISO 20653:2013)
- Through-wiring cable already installed in the luminaire

**PRODUCT BENEFITS**
- Completely sealed for use in agricultural applications
- Also usable in uncovered outdoor areas
- Via the rotatable mounting the luminaire can be fixed in any position for optimal light steering
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- 5 years guarantee

**AREAS OF APPLICATION**
- Keeping farm animals except poultry
- Food industry
- Open car parks and underpasses
- Garages
- Workshops, assembly lines

**PRODUCT NAME SEGMENTATION GTIN (EAN)**

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1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

SUPERIOR CLASS  PERFORMANCE CLASS  VALUE CLASS
DAMP PROOF HOUSING
Damp-proof luminaire for T8 LED lamps

PRODUCT FEATURES
— Housing made of robust polycarbonate (PC), gray
— Suitable for SubstiTUBE EM/UN and SubstiTUBE Connected
— Luminaire housing, available for 1 or 2 T8 LED lamps
— Type of protection: IP65
— Impact resistance: IK08

PRODUCT BENEFITS
— Sustainable solution thanks to exchangeable lamps
— Prewired for easy installation of tubular AC LED lamps
— Robust housing
— Easy and quick installation
— 5 years guarantee

EQUIPMENT / ACCESSORIES
— All required accessories included

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DAMP-PROOF HOUSING

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— Luminaire housing, available for 1 or 2 T8 LED lamps
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— Impact resistance: IK08

PRODUCT BENEFITS

— Sustainable solution thanks to exchangeable lamps
— Prewired for easy installation of tubular AC LED lamps
— Robust housing
— Easy and quick installation
— 5 years guarantee

EQUIPMENT / ACCESSORIES

— All required accessories included

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

SUPERIOR CLASS    PERFORMANCE CLASS    VALUE CLASS

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<td>1x Lamp</td>
<td>IP65</td>
<td>IK08</td>
<td>1261 x 64 x 75</td>
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<td>1200</td>
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<td>IK08</td>
<td>1300 1261 x 103 x 75</td>
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<td>IP65</td>
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<td>2x Lamp</td>
<td>IP65</td>
<td>IK08</td>
<td>1850 1561 x 103 x 75</td>
</tr>
</tbody>
</table>
DAMP PROOF SLIM VALUE
Damp-proof luminaire with slim housing

PRODUCT FEATURES
— Polycarbonate housing with stainless steel mounting brackets and suspension and anti-theft kit
— Type of protection: IP65
— Wide beam angle: 120°
— High luminous efficacy: up to 110 lm/W

PRODUCT BENEFITS
— Homogeneous quality of light with a wide beam angle
— Easy installation as mounting brackets can be positioned freely on the luminaire
— Easy access to electrical terminal thanks to end caps with clip mechanism
— Elegant, slim design
— Tool-free electrical connection due to push button connector

AREAS OF APPLICATION
— Industrial and storage facilities
— Car parks and underpasses
— Garages
— Workshops, assembly lines

EQUIPMENT / ACCESSORIES
— Stainless steel clamps with safety screws included
— Mounting accessories included (suspension kit, theft protection kit)

FURTHER PRODUCT DETAILS

DP SLIM VALUE 1500 50 W 4000 K IP65 GY

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
FURTHER PRODUCT DETAILS

— High luminous efficacy: up to 110 lm/W
— Wide beam angle: 120°
— Type of protection: IP65

Elegant, slim design
Easy access to electrical terminal thanks to push button connector
End caps with clip mechanism can be positioned freely on the luminaire
Homogeneous quality of light with a wide beam angle
EQUIPMENT / ACCESSORIES
Mounting accessories included
Stainless steel clamps with safety locking devices
Workshops, assembly lines
Garages
Car parks and underpasses

AREAS OF APPLICATION

GUV 105°
GUV 120°
GUV 105°
GUV 120°

Product name | Segmentation | GTIN (EAN) | W | lm | K | L70 | L80 |
---|---|---|---|---|---|---|---|
DP SLIM VALUE 1200 36 W 4000 K IP65 GY | | 405807066458 | 36 | 4000 | 110 | 6500 | 30000 | 27200 | 120 |
DP SLIM VALUE 1200 36 W 6500 K IP65 GY | | 405807066472 | 36 | 4000 | 110 | 6500 | 30000 | 27200 | 120 |
DP SLIM VALUE 1500 50 W 4000 K IP65 GY | | 405807066496 | 50 | 5500 | 110 | 4000 | 30000 | 27200 | 120 |
DP SLIM VALUE 1500 50 W 6500 K IP65 GY | | 405807066519 | 50 | 5500 | 110 | 6500 | 30000 | 27200 | 120 |

1 t: L70/B50 @ 25 °C (Ta) / t: L80/B10 @ 25 °C (Ta)

SUPERIOR CLASS
PERFORMANCE CLASS
VALUE CLASS

1 Refer to www.ledvance.com/guarantee for precise conditions.
DAMP PROOF VALUE
Damp-proof luminaires, classic shape

PRODUCT FEATURES
- High luminous efficacy: up to 120 lm/W
- Type of protection: IP65
- Beam angle: 115°
- Through wiring possible
- Polycarbonate housing

PRODUCT BENEFITS
- Evenly distributed light
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Easy installation, no tools required for connection
- 3 years guarantee

AREAS OF APPLICATION
- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

EQUIPMENT / ACCESSORIES
- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**LEDVANCE LED LUMINAIRES | DAMP-PROOF LUMINAIRES**

**Product name**

<table>
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<tr>
<th>Product name</th>
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**Superior Class**

DP VAL 600 9 W 4000 K IP65 ▼
DP VAL 600 18 W 4000 K IP65 ▼
DP VAL 1200 20 W 4000 K IP65 ▼
DP VAL 1200 40 W 4000 K IP65 ▼
DP VAL 1500 25 W 4000 K IP65 ▼
DP VAL 1500 50 W 4000 K IP65 ▼
DP VAL 1800 34 W 4000 K IP65 ▼
DP VAL 1800 70 W 4000 K IP65 ▼

**Performance Class**

DP VAL 600 9 W 4000 K IP65 ▼
DP VAL 600 18 W 4000 K IP65 ▼
DP VAL 1200 20 W 4000 K IP65 ▼
DP VAL 1200 40 W 4000 K IP65 ▼
DP VAL 1500 25 W 4000 K IP65 ▼
DP VAL 1500 50 W 4000 K IP65 ▼
DP VAL 1800 34 W 4000 K IP65 ▼
DP VAL 1800 70 W 4000 K IP65 ▼

**Value Class**

DP VAL 600 9 W 4000 K IP65 ▼
DP VAL 600 18 W 4000 K IP65 ▼
DP VAL 1200 20 W 4000 K IP65 ▼
DP VAL 1200 40 W 4000 K IP65 ▼
DP VAL 1500 25 W 4000 K IP65 ▼
DP VAL 1500 50 W 4000 K IP65 ▼
DP VAL 1800 34 W 4000 K IP65 ▼
DP VAL 1800 70 W 4000 K IP65 ▼

High luminous efficacy: up to 120 lm/W

Damp-proof luminaires, classic shape

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

105°

105°

120°

75°

60°

75°

90°

5°

135°

100°

150°

200°

250°

300°

350°

0°

5°

15°

65°

5°

4°

5°

5°

5°

150°

5°

105°

120°

60°

75°

75°

5°

15°

65°

5°

15°

5°

5°

5°

5°

5°

5°

5°

5°

5°
HIGH-BAY LUMINAIRE

HIGH EFFICIENCY AND OPTIMUM QUALITY OF LIGHT

FOR HIGH LIGHTING DEMANDS
— High luminous efficacy
— Different versions for ceiling heights from 6 m to 14 m
— Low-flicker light thanks to special electronic control gear

ACCESSORIES FOR OPTIMUM QUALITY OF LIGHT
— High-quality aluminum reflector or polycarbonate refractor for tool-free mounting with a 65°/90° beam angle
— Sturdy steel bracket; can be swiveled by +/- 90°

GOOD LIGHTING FOR EVERYDAY APPLICATIONS
— Very homogeneous light distribution thanks to diffuse cover made of tempered glass
— Optimized weight and size
— Modern and exclusive LEDVANCE design

ACCESSORIES FOR OPTIMUM QUALITY OF LIGHT
— High-quality aluminum reflector for mounting with a 80° beam angle
— Sturdy steel bracket, can be swiveled by +/- 60°
HIGH BAY GEN 3

High-bay luminaires up to 140 lm/W and attractive UGR

PRODUCT FEATURES

- Robust aluminum housing with 1.5 m connection cable 3 x 1.5 sqmm, high-quality PC cover
- Ambient temperature in operation: -30…+50 °C
- High luminous efficacy: up to 140 lm/W
- Includes mounting hook for suspended installation. Surface-mounting possible via separate bracket.
- Type of protection: IP65

PRODUCT BENEFITS

- High luminous efficacy
- Usable from 6 m to 14 m ceiling height
- Low flicker light thanks to special electronic control gear
- D-marking for mounting on surfaces with limited surface temperature
- 5 years guarantee

AREAS OF APPLICATION

- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

EQUIPMENT / ACCESSORIES

- Mounting hook included
- Mounting brackets, reflectors and refractors available* as separate accessory

FURTHER PRODUCT DETAILS

* Please note: available = available as an optional accessory. All DALI versions include mounting brackets.
" Refer to www.ledvance.com/guarantee for precise conditions.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
HIGH BAY GEN 3
High-bay luminaires up to 140 lm/W and attractive UGR

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation GTIN (EAN)</th>
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HIGH BAY GEN 3 DALI
LED high-bay luminaires with DALI interface

<table>
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<th>Product name</th>
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</table>

1 t [h]: L70/B50 @ 25 °C (Ta) / t [h]: L80/B10 @ 25 °C (Ta)

SUPERIOR CLASS | PERFORMANCE CLASS | VALUE CLASS

LEDVANCE LED LUMINAIRES | HIGH-BAY LUMINAIRES
HIGH BAY ACCESSORIES

Reflectors, refractors and mounting accessories for HIGH BAY luminaires

- High-quality aluminium reflector
- High-quality polycarbonate refractor
- Bracket: black steel, adjustable swivel angle +/-90°

---

Product name | GTIN (EAN) | L x W x H (mm) | Ø x H (mm) | Material | Color | Warranty
--- | --- | --- | --- | --- | --- | ---
HB ALU REFLECTOR 93 W | 405807507043 | 415 x 208 | | Aluminum | Silver | 2 year guarantee
HB ALU REFLECTOR 155 W - 210 W | 405807507060 | 499 x 81 | | Aluminum | Silver | 2 year guarantee
HB PC REFRACTOR 93 W | 405807507029 | 309 x 76 | | Polycarbonate (PC) | - | 2 year guarantee
HB PC REFRACTOR 155 W - 210 W | 405807507036 | 414 x 138 | | Polycarbonate (PC) | - | 2 year guarantee
HB BRACKET 93 W - 155 W | 405807500285 | - x 150 | | Steel | Black | 2 year guarantee
HB BRACKET 190 W - 210 W | 405807500308 | - x 150 | | Steel | Black | 2 year guarantee

1 Refer to www.ledvance.com/guarantee for precise conditions
HIGH BAY VALUE
High-bay luminaires up to 110 lm/W

PRODUCT FEATURES
— Housing made of robust aluminum, black, similar to RAL 9017 with 0.5 m connection cable
— Operating temperature: -20…50 °C
— High luminous efficacy: up to 100 lm/W
— Type of protection: IP65
— Glare index: UGR ≤ 25

PRODUCT BENEFITS
— Replacement for HQI 250/400W
— Compact, attractive design: weight and size optimized, driver integrated
— Good problem solver due to low weight (<2.26 kg)
— 3 years guarantee

AREAS OF APPLICATION
— Replacement for high bay luminaires with mercury vapor or metal halide lamps
— Warehouses
— Logistics halls
— Industry
— High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

EQUIPMENT / ACCESSORIES
— Bracket available*

FURTHER PRODUCT DETAILS

HIGH BAY VALUE 200 W 4000 K 100 DEG
IP65 BK

* Please note: available = available as an optional accessory.
1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
HIGH BAY VALUE

**PRODUCT FEATURES**
- Housing made of robust aluminum, black, similar to RAL 9017 with 0.5 m connection cable
- Operating temperature: -20…50 °C
- High luminous efficacy: up to 100 lm/W
- Type of protection: IP65
- Glare index: UGR ≤ 25

**PRODUCT BENEFITS**
- Replacement for HQI 250/400W
- Compact, attractive design: weight and size optimized, driver integrated
- Good problem solver due to low weight (<2.26 kg)
- 3 years guarantee

**AREAS OF APPLICATION**
- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

**EQUIPMENT / ACCESSORIES**
- Bracket available*

---

**FURTHER PRODUCT DETAILS**
* Please note: available = available as an optional accessory.

**SUPERIOR CLASS**
- HIGH BAY VALUE 100 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 100 W 6500 K 100 DEG IP65 BK
- HIGH BAY VALUE 150 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 150 W 6500 K 100 DEG IP65 BK
- HIGH BAY VALUE 200 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 200 W 6500 K 100 DEG IP65 BK

**PERFORMANCE CLASS**
- HIGH BAY VALUE 100 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 100 W 6500 K 100 DEG IP65 BK
- HIGH BAY VALUE 150 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 150 W 6500 K 100 DEG IP65 BK
- HIGH BAY VALUE 200 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 200 W 6500 K 100 DEG IP65 BK

**VALUE CLASS**
- HIGH BAY VALUE 100 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 100 W 6500 K 100 DEG IP65 BK
- HIGH BAY VALUE 150 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 150 W 6500 K 100 DEG IP65 BK
- HIGH BAY VALUE 200 W 4000 K 100 DEG IP65 BK
- HIGH BAY VALUE 200 W 6500 K 100 DEG IP65 BK

---

**Product name**  | **Segmentation**  | **GTIN (EAN)**  | **W**  | **Im**  | **K**  | **L70**  | **L80**
---|---|---|---|---|---|---|---
HIGH BAY VALUE 100 W 4000 K 100 DEG IP65 BK  |  | 4058075408395  | 100  | 10600  | 100  | 4000  | 50000  | 32000  | 100
HIGH BAY VALUE 100 W 6500 K 100 DEG IP65 BK  |  | 4058075408426  | 100  | 10600  | 100  | 6500  | 50000  | 32000  | 100
HIGH BAY VALUE 150 W 4000 K 100 DEG IP65 BK  |  | 4058075408432  | 150  | 16000  | 106  | 4000  | 50000  | 32000  | 100
HIGH BAY VALUE 150 W 6500 K 100 DEG IP65 BK  |  | 4058075408449  | 150  | 16000  | 106  | 6500  | 50000  | 32000  | 100
HIGH BAY VALUE 200 W 4000 K 100 DEG IP65 BK  |  | 4058075408456  | 200  | 20000  | 100  | 4000  | 50000  | 32000  | 100
HIGH BAY VALUE 200 W 6500 K 100 DEG IP65 BK  |  | 4058075408463  | 200  | 20000  | 100  | 6500  | 50000  | 32000  | 100
HIGH BAY VALUE ACCESSORIES

Reflectors and mounting accessories for HIGH BAY VALUE luminaires

Value Reflector:
- high-quality aluminium reflector,
  beam angle 80°

Value Bracket:
- black steel, adjustable swivel angle +/- 60°

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<table>
<thead>
<tr>
<th>Product name</th>
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<th>L x W x H [mm]</th>
<th>Ø x H [mm]</th>
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</table>

1 Refer to www.ledvance.com/guarantee for precise conditions
FLOODLIGHTS

THE RIGHT ILLUMINATION FOR A WIDE VARIETY OF OUTDOOR AREA AND SPORTS LIGHTING PROJECTS

GENERAL OUTDOOR LIGHTING

FLOODLIGHT: POWERFUL ALL-ROUNDERS

Broad floodlight portfolio for highly efficient and long-lasting illumination across a wide range of applications.

Page 158

FLOODLIGHT SENSOR AND PHOTOCELL SENSOR: INTELLIGENT AND EFFICIENT

Luminaires with programmable, adjustable IP65 daylight and motion sensor. As well as products with highly protected photocell daylight sensor.

Page 162

FLOODLIGHT COMPACT: VERSATILE

Luminaires equipped with all essential features for safe and worry-free outdoor lighting.

Page 166

FLOODLIGHT COMPACT SENSOR: FUNCTIONAL

Luminaires for optimized outdoor lighting by means of motion and daylight sensor.

Page 168
AREA & SPORTS LIGHTING

FLOODLIGHT MAX: HIGHEST LUMEN OUTPUT

Extremely robust, yet very modular high-power floodlight with four beam angles and up to 164,000 lumen light output. Suitable for replacing high-pressure discharge luminaires of up to 2 kW.

FLOODLIGHT PERFORMANCE: POWERFUL AND PRECISE

Highly durable and efficient floodlights, with up to 140 lm/W. Available in four light distributions and light output configurations ranging from 6300 to 40,800 lumen, ideal for replacing conventional luminaires and new installations alike.

FLOODLIGHT AREA: UNIVERSAL LIGHT

Highly efficient and flexible floodlight for universal area lighting.
FLOODLIGHT 10W – 50W
Floodlight with reflector based, symmetric light distribution up to 120 lm/W

PRODUCT FEATURES
- Aluminum housing with toughened glass, black or white
- Symmetrical beam angle: 100° × 100°
- Mounting bracket with 30° angle and wide rotation
- Connection via flexible 1 m cable, wiring required
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)

PRODUCT BENEFITS
- Frosted cover made of tempered glass for uniform illumination
- Energy savings of up to 90 % compared to halogen lamp floodlights
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- Impact resistance: IK07
- 5 years guarantee

AREAS OF APPLICATION
- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
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* L = W × H [mm] / Ø H [mm]

1 [h]: L70/B10 @ 25°C (Tf) / [h]: L80/B10 @ 25°C (Tf)
FLOODLIGHT 65 W – 200 W
Floodlight with reflector based, symmetric light distribution up to 125 lm/W

PRODUCT FEATURES
— Aluminum housing with toughened glass
— Symmetrical beam angle: 100° × 100°
— Mounting bracket with 30° angle and wide rotation
— Breather membrane to optimize air exchange, without compromising IP protection
— Surge protection: up to 6 kV (L/N-PE), 4 kV (L-N)

PRODUCT BENEFITS
— Frosted cover made of tempered glass for uniform illumination
— Energy savings of up to 90% compared to halogen lamp floodlights
— No upper light output ratio (ULOR 0%) when mounted at 0° tilt
— Impact resistance: IK08
— 5 years guarantee

AREAS OF APPLICATION
— Replacement for floodlights with halogen lamps
— Outdoor use (IP65)
— Public areas
— Building facades
— Construction areas

FURTHER PRODUCT DETAILS

FL PFM 200 W 6500 K SYM 100 BK

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\* [h]: L70/B80 @ 25 °C (Tf) / [t]: L80/B10 @ 25 °C (Tf)

- **SUPERIOR CLASS**
- **PERFORMANCE CLASS**
- **VALUE CLASS**
FLOODLIGHT SENSOR
Floodlight with flexible motion and daylight sensor

PRODUCT FEATURES
- Aluminum housing with toughened glass, black or white
- Symmetrical beam angle: 100° × 100°
- Mounting bracket with 30° angle and wide rotation
- PIR motion and daylight sensor
- Connection via flexible 1 m cable, wiring required

PRODUCT BENEFITS
- Demand optimized illumination due to flexible and programmable sensor
- Easy configuration of sensor range, daylight and motion detection via rotary switch
- Always-on override, activated via special mains switching pattern
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

AREAS OF APPLICATION
- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas

FURTHER PRODUCT DETAILS

FL PFM 50 W 4000 K SYM 100 S BK

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FLOODLIGHT PHOTOCELL
Floodlight with daylight sensor

PRODUCT FEATURES
- Aluminum housing with toughened glass, black
- Integrated photocell daylight sensor, auto on < 35 lx, auto off > 95 lx
- Symmetrical beam angle: 100° x 100°
- Mounting bracket with 30° angle and wide rotation
- Connection via flexible 1 m cable, wiring required

PRODUCT BENEFITS
- Automatically switches on and off according to the amount of available daylight thanks to photocell light sensor
- Always-on override, activated via special mains switching pattern
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- Impact resistance: IK08 (IK08 photocell sensor)
- 5 years guarantee

AREAS OF APPLICATION
- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Industry
- Public areas
- Construction areas

FURTHER PRODUCT DETAILS

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## LEDVANCE LED LUMINAIRES | FLOODLIGHTS

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<th>Detection threshold of daylight sensor</th>
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<td>Photocell</td>
<td>35…95 lx</td>
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<td>35…95 lx</td>
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\*1[h]: L70/B50 @ 25°C (T1) / 1[h]: L80/B10 @ 25°C (T2)

SUPERIOR CLASS | PERFORMANCE CLASS | VALUE CLASS

165
FLOODLIGHT COMPACT
Floodlight with reflector based, symmetric light distribution

PRODUCT FEATURES

— Luminaire efficacy: up to 100 lm/W
— Symmetrical beam angle: 100° × 100°
— Mounting bracket with 30° angle and wide rotation area
— Flexible motion and daylight sensor
— Sensor with 350° pan and 180° tilt

PRODUCT BENEFITS

— Robust, yet light and compact design
— Safe and very uniform illumination, due to frosted and tempered glass diffuser
— No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
— Demand optimized illumination due to flexible and programmable sensor
— Easy adjustment of sensor range, daylight detection and hold time

AREAS OF APPLICATION

— Replacement for floodlights with halogen lamps
— Outdoor use (IP65)
— Public areas
— Building facades
— Construction areas

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions | 2 Versions with sensor available

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
**FLOODLIGHT COMPACT**
Floodlight with reflector based, symmetric light distribution

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1. [L70/B50 @ 25°C (T4)]
2. [L80/B10 @ 25°C (T4)]
FLOODLIGHT COMPACT SENSOR
Floodlight with motion and daylight sensor

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SENSOR PROPERTIES

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<th>Detection range of motion sensor</th>
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<td>10 s...12 min</td>
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* [h]: L70/B50 @ 25 °C (Tf) / [h]: L80/B10 @ 25 °C (Tf)
FLOODLIGHT MAX LUMINAIRE HEAD
High-power floodlight for large area and sports lighting

PRODUCT FEATURES
- Modular, high-power floodlight with up to 137 lm/W
- Joint or separate installation possible with Floodlight Max power supply
- Available with 10°, 30° and 60° symmetric beam angles, and 50° × 110° asymmetric light distribution
- Mounting bracket for up to 180° tilting
- Highly-transparent, tempered glass diffuser

PRODUCT BENEFITS
- Very bright, robust and durable
- Energy savings of up to 45% compared to luminaires that use conventional discharge lamps
- Easy dimming up to 50% by wiring
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- 5 years guarantee

AREAS OF APPLICATION
- Outdoor use (IP66)
- Lighting of large areas
- Sports facilities
- Construction areas
- Direct replacement for luminaires using HID lamps

EQUIPMENT / ACCESSORIES
- Operation only with separately available official matching power supply

FURTHER PRODUCT DETAILS

- FL MAX LUM P 600W 757 SYM 10 WAL
- FL MAX LUM P 600W 757 SYM 30 WAL
- FL MAX LUM P 600W 757 SYM 60 WAL

1 Refer to www.ledvance.com/guarantee for precise conditions.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
FURTHER PRODUCT DETAILS

FLOODLIGHT MAX SYM 10
High-power floodlight with 10° symmetric light distribution for large area and sports lighting

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<th>Product name</th>
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<tr>
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FLOODLIGHT MAX SYM 30
High-power floodlight with 30° symmetric light distribution for large area and sports lighting

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<th>Product name</th>
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* [h]: L70/B50 @ 25°C (T1) / [h]: L80/B10 @ 25°C (T2)

- SUPERIOR CLASS
- PERFORMANCE CLASS
- VALUE CLASS
FLOODLIGHT MAX SYM 60
High-power floodlight with 60° symmetric light distribution for large area and sports lighting

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FLOODLIGHT MAX ASYM 50x110
High-power floodlight with 50° x 110° asymmetric light distribution for large area and sports lighting

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FLOODLIGHT MAX SYM 60
High-power floodlight with 60° symmetric light distribution for large area and sports lighting

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<td>908</td>
<td>841 x 591 x 282</td>
</tr>
</tbody>
</table>

FLOODLIGHT MAX ASYM 50x110
High-power floodlight with 50° x 110° asymmetric light distribution for large area and sports lighting

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>lm</th>
<th>K</th>
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<th>L80</th>
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<table>
<thead>
<tr>
<th>Product name</th>
<th>CRI</th>
<th>IK</th>
<th>L x W x H [mm]</th>
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<tr>
<td>FL MAX LUM P 600W 757 ASYM 50x110 WAL</td>
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<td>908</td>
<td>472 x 591 x 279</td>
</tr>
<tr>
<td>FL MAX LUM P 900W 757 ASYM 50x110 WAL</td>
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<td>660 x 591 x 279</td>
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<tr>
<td>FL MAX LUM P 1200W 757 ASYM 50x110 WAL</td>
<td>60</td>
<td>908</td>
<td>841 x 591 x 282</td>
</tr>
</tbody>
</table>

*1 h: L70/B50 @ 25 °C (Ta) / 1 h: L80/B10 @ 25 °C (Ta)
FLOODLIGHT MAX POWER SUPPLY

Power supplies for FLOODLIGHT MAX luminaires

PRODUCT FEATURES
- Power supply for Floodlight Max luminaire heads
- Joint or separate installation with Floodlight Max luminaire head
- M20 and M25 PG glands for mains cable feed-in
- LED-module wiring by means of pre-installed fast quick release connector
- High surge protection: up to 10 kV (L/N-PE and L-N)

PRODUCT BENEFITS
- Highly robust and durable
- Quick and easy wiring, due to tool-free housing opening
- Optimized logistic, luminaire head and power supply arrive in individual packaging
- 5 years guarantee

AREAS OF APPLICATION
- Outdoor use (IP66)
- Sports facilities
- Construction areas

FURTHER PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>IK</th>
<th>L × W × H [mm]</th>
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<tbody>
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<td>IK08</td>
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</tbody>
</table>

1 Refer to www.ledvance.com/guarantee for precise conditions.

Floodlight Max Power Supplies should only be used to operate official Floodlight Max luminaire heads.
FLOODLIGHT PERFORMANCE
IP66 floodlight with lens based light distribution up to 140 lm/W

PRODUCT FEATURES
- Aluminum die-cast housing, black (similar to RAL 9017) with toughened glass
- Robust design: IP66, IK08, -30° to +50° temperature resistance and surge protection < 10 kV
- Integrated breather for preventing condensation inside the luminaire
- Suitable for locations with fire hazards according to EN 60598-2-24 (D-mark)
- 2 m connection cable with open, crimped wire ends for flexible installation

PRODUCT BENEFITS
- Available in 5 power levels, for replacement of traditional luminaires, up to 2000W (HAL)
- Available in 4 light distributions for optimum illumination of a wide range of applications
- Suitable for wall or mast mounting thanks to angled bracket with a great rotation range
- Highly efficient directional light through single lenses, with up to 140 lm/W luminous efficacy
- 5 years guarantee

AREAS OF APPLICATION
- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Public areas
- Industry
- Sports facilities

FURTHER PRODUCT DETAILS

FL PFM ASYM 55x110 290W 4000K BK
FL PFM ASYM 45x140 290W 4000K BK
FL PFM SYM R30 290W 4000K BK

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
FURTHER PRODUCT DETAILS

FLOODLIGHT PERFORMANCE ASYM 55 x 110
Floodlight with wide beam, asymmetric light distribution for various application areas

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
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<tbody>
<tr>
<td>FL PFM ASYM 55x110 50 W 3000 K BK</td>
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<td>405807353299</td>
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<tr>
<td>FL PFM ASYM 55x110 50 W 4000 K BK</td>
<td></td>
<td>405807353305</td>
</tr>
<tr>
<td>FL PFM ASYM 55x110 120 W 3000 K BK</td>
<td></td>
<td>405807353312</td>
</tr>
<tr>
<td>FL PFM ASYM 55x110 120 W 4000 K BK</td>
<td></td>
<td>405807353527</td>
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<tr>
<td>FL PFM ASYM 55x110 150 W 3000 K BK</td>
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<td>405807353534</td>
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<tr>
<td>FL PFM ASYM 55x110 150 W 4000 K BK</td>
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<tr>
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<tr>
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<tr>
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1 [h]: L70/B50 @ 25 °C (T₁); 2 [h]: L80/B10 @ 25 °C (T₁)

SUPERIOR CLASS | PERFORMANCE CLASS | VALUE CLASS

Product name | Segmentation | GTIN (EAN) |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
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</table>

1 [h]: L70/B50 @ 25 °C (T₁); 2 [h]: L80/B10 @ 25 °C (T₁)

SUPERIOR CLASS | PERFORMANCE CLASS | VALUE CLASS

LEDVANCE LED LUMINAIRES | FLOODLIGHTS
# LEDVANCE LED LUMINAIRES | FLOODLIGHTS

## FLOODLIGHT PERFORMANCE ASYM 45 x 140
Floodlight with very wide beam, asymmetric light distribution for area lighting

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>lm</th>
<th>K</th>
<th>L70</th>
<th>L80</th>
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<td>500 W HAL</td>
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<tr>
<td>FL PFM ASYM 45x140 50 W 4000 K BK</td>
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<td>4058073536266</td>
<td>500 W HAL</td>
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<td>1000 W HAL</td>
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<td>FL PFM ASYM 45x140 150 W 4000 K BK</td>
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<td>FL PFM ASYM 45x140 200 W 3000 K BK</td>
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<td>4058073537181</td>
<td>1500 W HAL</td>
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<td>FL PFM ASYM 45x140 200 W 4000 K BK</td>
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<td>4058073537259</td>
<td>1500 W HAL</td>
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<tr>
<td>FL PFM ASYM 45x140 250 W 4000 K BK</td>
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### Product name
FL PFM ASYM 45x140 50 W 3000 K BK
FL PFM ASYM 45x140 50 W 4000 K BK
FL PFM ASYM 45x140 100 W 3000 K BK
FL PFM ASYM 45x140 100 W 4000 K BK
FL PFM ASYM 45x140 150 W 3000 K BK
FL PFM ASYM 45x140 150 W 4000 K BK
FL PFM ASYM 45x140 200 W 3000 K BK
FL PFM ASYM 45x140 200 W 4000 K BK
FL PFM ASYM 45x140 250 W 3000 K BK
FL PFM ASYM 45x140 250 W 4000 K BK

### Segmentation
- FL: Floodlight
- PFM: Performance
- ASYM: Asymmetric
- R30:Highlights with right angle for area lighting

### GTIN (EAN)
- 4058073536319
- 4058073536266
- 4058073536333
- 4058073536688
- 4058073536956
- 4058073537011
- 4058073537181
- 4058073537259
- 4058073537322
- 4058073537490

### Performance Class
- 30 W 3000 K BK
- 30 W 4000 K BK
- 50 W 3000 K BK
- 50 W 4000 K BK
- 100 W 3000 K BK
- 100 W 4000 K BK
- 150 W 3000 K BK
- 150 W 4000 K BK
- 200 W 3000 K BK
- 200 W 4000 K BK
- 250 W 3000 K BK
- 250 W 4000 K BK

### LEDVANCE LED LUMINAIRES

## FLOODLIGHT PERFORMANCE SYM R30
Floodlight with rotational symmetric light distribution for high mast area lighting

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>lm</th>
<th>K</th>
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<tbody>
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<td>1500 W HAL</td>
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### Product name
- FL PFM SYM R30 150 W 3000 K BK
- FL PFM SYM R30 150 W 4000 K BK
- FL PFM SYM R30 200 W 3000 K BK
- FL PFM SYM R30 200 W 4000 K BK
- FL PFM SYM R30 250 W 3000 K BK
- FL PFM SYM R30 250 W 4000 K BK

### Segmentation
- FL: Floodlight
- PFM: Performance
- SYM: Symmetric
- R30:Highlights with right angle for area lighting

### GTIN (EAN)
- 4058073537565
- 4058073537632
- 4058073537707
- 4058073537877
- 4058073537944
- 4058073538000

### Performance Class
- 30 W 3000 K BK
- 30 W 4000 K BK
- 50 W 3000 K BK
- 50 W 4000 K BK
- 100 W 3000 K BK
- 100 W 4000 K BK
- 150 W 3000 K BK
- 150 W 4000 K BK
- 200 W 3000 K BK
- 200 W 4000 K BK
- 250 W 3000 K BK
- 250 W 4000 K BK

### LEDVANCE LED LUMINAIRES
**FLOODLIGHT PERFORMANCE SYM 60**

Floodlight with symmetric light distribution for medium to high mast area lighting

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>lm</th>
<th>%</th>
<th>K</th>
<th>L70</th>
<th>L80</th>
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<tr>
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<td>1500 W HAL</td>
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<td>21.000</td>
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<td>4000</td>
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<td>1500 W HAL</td>
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<td>26.400</td>
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<td>100000</td>
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<td></td>
<td>1500 W HAL</td>
<td>200</td>
<td>28.000</td>
<td>140</td>
<td>4000</td>
<td>100000</td>
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<td>4000</td>
<td>100000</td>
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<table>
<thead>
<tr>
<th>Product name</th>
<th>CRI</th>
<th>K</th>
<th>K</th>
<th>IK</th>
<th>L x W x H [mm]</th>
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</thead>
<tbody>
<tr>
<td>FL FPM SYM 60 150 W 3000 K BK</td>
<td>60 x 60</td>
<td>&gt; 80</td>
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<td>IK08</td>
<td>4500 x 2000</td>
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<tr>
<td>FL FPM SYM 60 150 W 4000 K BK</td>
<td>60 x 60</td>
<td>&gt; 80</td>
<td>&gt; 10%</td>
<td>IK08</td>
<td>4500 x 2000</td>
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<td>FL FPM SYM 60 200 W 3000 K BK</td>
<td>60 x 60</td>
<td>&gt; 80</td>
<td>&gt; 10%</td>
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<td>6300 x 2000</td>
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<tr>
<td>FL FPM SYM 60 200 W 4000 K BK</td>
<td>60 x 60</td>
<td>&gt; 80</td>
<td>&gt; 10%</td>
<td>IK08</td>
<td>6300 x 2000</td>
</tr>
<tr>
<td>FL FPM SYM 60 290 W 3000 K BK</td>
<td>60 x 60</td>
<td>&gt; 80</td>
<td>&gt; 10%</td>
<td>IK08</td>
<td>9500 x 2000</td>
</tr>
<tr>
<td>FL FPM SYM 60 290 W 4000 K BK</td>
<td>60 x 60</td>
<td>&gt; 80</td>
<td>&gt; 10%</td>
<td>IK08</td>
<td>9500 x 2000</td>
</tr>
</tbody>
</table>
FLOODLIGHT AREA

Floodlight with lens based asymmetric light distribution up to 140 lm/W

PRODUCT FEATURES
- Asymmetric light distribution: 48° x 92°
- Robust design: IP65, IK08, −30° to +50° temperature resistance, up to 6 kV surge protection (L/N-PE)
- Integrated breather for preventing condensation inside the luminaire
- Pre-installed, flexible 1m cable (H05RN-F)

PRODUCT BENEFITS
- Energy savings of up to 90 % compared to halogen lamp floodlights
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- High light uniformity
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

AREAS OF APPLICATION
- Direct replacement for luminaires using HID lamps
- Outdoor use (IP65)
- Public areas & parking
- Industry
- Sports facilities

FURTHER PRODUCT DETAILS

FL AREA 105W 840 ASYM 48X92 BK

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
## LEDVANCE LED LUMINAIRES | FLOODLIGHTS

### FL AREA ASYM 48x92 | 72 W | 3000 K | BK
- **Product name**: FL AREA ASYM 48x92 72 W 3000 K BK
- **Segmentation**: 48 x 92
- **Contrast (CRI)**: ≥ 80
- **Luminous Intensity (lm)**: ≥ 80
- **IK**: ≤ 5%
- **IK08**: 3700
- **L70**: 1000
- **L80**: 9200
- **Weather Protection Class (IK)**: IK08
- **L x W x H [mm]**: 381 x 290 x 59
- **Weight [g]**: 129
- **Temperature [°C]**: 700
- **Tmax [°C]**: 500
- **Manufacturer’s Code (GTIN/ EAN)**: 408071638730

### FL AREA ASYM 48x92 | 72 W | 4000 K | BK
- **Product name**: FL AREA ASYM 48x92 72 W 4000 K BK
- **Segmentation**: 48 x 92
- **Contrast (CRI)**: ≥ 80
- **Luminous Intensity (lm)**: ≥ 80
- **IK**: ≤ 5%
- **IK08**: 3700
- **L70**: 1000
- **L80**: 10000
- **Weather Protection Class (IK)**: IK08
- **L x W x H [mm]**: 381 x 290 x 59
- **Weight [g]**: 129
- **Temperature [°C]**: 700
- **Tmax [°C]**: 500
- **Manufacturer’s Code (GTIN/ EAN)**: 408071638740

### FL AREA ASYM 48x92 | 105 W | 3000 K | BK
- **Product name**: FL AREA ASYM 48x92 105 W 3000 K BK
- **Segmentation**: 48 x 92
- **Contrast (CRI)**: ≥ 80
- **Luminous Intensity (lm)**: ≥ 80
- **IK**: ≤ 5%
- **IK08**: 4800
- **L70**: 1000
- **L80**: 10000
- **Weather Protection Class (IK)**: IK08
- **L x W x H [mm]**: 418 x 322 x 60
- **Weight [g]**: 132
- **Temperature [°C]**: 700
- **Tmax [°C]**: 500
- **Manufacturer’s Code (GTIN/ EAN)**: 408071638750

### FL AREA ASYM 48x92 | 105 W | 4000 K | BK
- **Product name**: FL AREA ASYM 48x92 105 W 4000 K BK
- **Segmentation**: 48 x 92
- **Contrast (CRI)**: ≥ 80
- **Luminous Intensity (lm)**: ≥ 80
- **IK**: ≤ 5%
- **IK08**: 4800
- **L70**: 1000
- **L80**: 10000
- **Weather Protection Class (IK)**: IK08
- **L x W x H [mm]**: 418 x 322 x 60
- **Weight [g]**: 132
- **Temperature [°C]**: 700
- **Tmax [°C]**: 500
- **Manufacturer’s Code (GTIN/ EAN)**: 408071638760

### FL AREA ASYM 48x92 | 145 W | 3000 K | BK
- **Product name**: FL AREA ASYM 48x92 145 W 3000 K BK
- **Segmentation**: 48 x 92
- **Contrast (CRI)**: ≥ 80
- **Luminous Intensity (lm)**: ≥ 80
- **IK**: ≤ 5%
- **IK08**: 6200
- **L70**: 1000
- **L80**: 10000
- **Weather Protection Class (IK)**: IK08
- **L x W x H [mm]**: 454 x 354 x 62
- **Weight [g]**: 138
- **Temperature [°C]**: 700
- **Tmax [°C]**: 500
- **Manufacturer’s Code (GTIN/ EAN)**: 408071638770

### FL AREA ASYM 48x92 | 145 W | 4000 K | BK
- **Product name**: FL AREA ASYM 48x92 145 W 4000 K BK
- **Segmentation**: 48 x 92
- **Contrast (CRI)**: ≥ 80
- **Luminous Intensity (lm)**: ≥ 80
- **IK**: ≤ 5%
- **IK08**: 6200
- **L70**: 1000
- **L80**: 10000
- **Weather Protection Class (IK)**: IK08
- **L x W x H [mm]**: 454 x 354 x 62
- **Weight [g]**: 138
- **Temperature [°C]**: 700
- **Tmax [°C]**: 500
- **Manufacturer’s Code (GTIN/ EAN)**: 408071638780
STREETLIGHTS

BRIGHT AND EFFICIENT LED ILLUMINATION FOR SAFETY ON ROADS, CAR PARKS AND OUTDOOR AREAS

STREETLIGHT FLEX
Page 182
STREETLIGHT FLEX SMALL, MEDIUM & LARGE

HIGHLY FLEXIBLE AND EFFICIENT STREETLIGHTS
— Modern and durable design for long lasting performance, up to 100,000 h L90B10 (at 25 °C)
— Extremely high efficiency, up to 155 lm/W, for great TCO in many replacement scenarios
— Broad range for wide application fit in road lighting and parking: 7 LED configurations, 3 CCTs, 2 beam angles

STREETLIGHT FLEX ACCESSORIES
Page 188

MOUNTING ACCESSORIES FOR INCREASED VERSATILITY
— Larger pole adapter, suitable for 76 mm poles
— Reduction piece, enabling the standard adapter to be installed on 42 mm poles
— Suitable for all Streetlight Flex types

VERY SIMPLE AND FLEXIBLE INSTALLATION

— Pole adapter for 60 mm pole diameter is included as standard with all Streetlight Flex luminaires
— The flexible design allows for either side-entry or post-top installation of the luminaire
STREETLIGHT FLEX: EFFICIENT, DURABLE, FLEXIBLE

Designed for ease of installation and featuring materials of the highest quality, an extremely long service life and two different light distribution patterns, Streetlight Flex is our efficient and flexible answer to the high demands placed on modern street and parking lot lighting.

LIGHT DISTRIBUTION OPTIONS

RV25ST light distribution
- For normal roads with a typical width equal to or greater than the road height (width approx. 1 to 1.25 x pole height)
- For rectangular-shaped parking areas in front of the pole

RW35ST light distribution
- For very wide roads with road width greater than the pole height
- For square-shaped parking and area lighting in front of the pole

WIRING IS TOOL-FREE, FAST AND CONVENIENT
STREETLIGHT FLEX SMALL
IP66 streetlight with up to 144 lm/W

PRODUCT FEATURES
— High luminous efficacy: up to 144 lm/W
— Very long lifetime (L90/B10):
  Up to 100,000 h (at 25°C)
— Spigot included, suitable for 48…60 mm diameter poles
— Adjustable spigot for both side-entry and post-top installation
— +/-15° tilt angle adjustment without opening the housing

PRODUCT BENEFITS
— Durable IP66 & IK08 design and highest quality component selection for long lasting performance
— Easy installation due to tool-free housing opening and push button wiring terminal
— High light uniformity
— No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
— 5 years guarantee

AREAS OF APPLICATION
— Outdoor use (IP66)
— M-, C- and P-class roads acc. to EN 13201
— Parking
— Public areas
— Industry

EQUIPMENT / ACCESSORIES
— Spigot for 42 and 76 mm poles available separately

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
## STREETLIGHT FLEX SMALL RV25ST

Very wide light distribution for general road lighting

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
<th>GTIN (EAN)</th>
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* [1]: L90/B10 @ 25 °C (Ta)
STREETLIGHT FLEX MEDIUM

IP66 streetlight with up to 147 lm/W

PRODUCT FEATURES
- High luminous efficacy: up to 147 lm/W
- Very long lifetime (L90/B10):
  Up to 100,000 h (at 25°C)
- Spigot included, suitable for 48...60 mm diameter poles
- Adjustable spigot for both side-entry and post-top installation
- +/-15° tilt angle adjustment without opening the housing

PRODUCT BENEFITS
- Durable IP66 & IK08 design and highest quality component selection for long lasting performance
- Easy installation due to tool-free housing opening and push button wiring terminal
- High light uniformity
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

AREAS OF APPLICATION
- Outdoor use (IP66)
- M-, C- and P-class roads acc. to EN 13201
- Parking
- Public areas
- Industry

EQUIPMENT / ACCESSORIES
- Spigot for 42 and 76 mm poles available separately

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
### STREETLIGHT FLEX MEDIUM RV25ST

Very wide light distribution for general road lighting

<table>
<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
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### STREETLIGHT FLEX MEDIUM RW35ST

Wide light distribution optimized for wider roads and area lighting

<table>
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### Product Data

* L90/B10 @ 25 °C (T3)

- **SUPERIOR CLASS**
- **PERFORMANCE CLASS**
- **VALUE CLASS**
STREETLIGHT FLEX LARGE

IP66 streetlight with up to 155 lm/W

PRODUCT FEATURES
— High luminous efficacy: up to 155 lm/W
— Very long lifetime (L90/B10): Up to 100,000 h (at 25 °C)
— Spigot included, suitable for 48…60 mm diameter poles
— Adjustable spigot for both side-entry and post-top installation
— +/-15° tilt angle adjustment without opening the housing

PRODUCT BENEFITS
— Durable IP66 & IK08 design and highest quality component selection for long lasting performance
— Easy installation due to tool-free housing opening and push button wiring terminal
— High light uniformity
— No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
— 5 years guarantee

AREAS OF APPLICATION
— Outdoor use (IP66)
— M-, C- and P-class roads acc. to EN 13201
— Parking
— Public areas
— Industry

EQUIPMENT / ACCESSORIES
— Spigot for 42 and 76 mm poles available separately

FURTHER PRODUCT DETAILS

1 Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.
## STREETLIGHT FLEX LARGE RV25ST

Very wide light distribution for general road lighting

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### Product name Segmentation GTN (EAN) L \( W \times H \) [mm] ∅ \( H \) [mm]

| SL FLEX LA RV25ST P 110W 727 WAL | | 405807/552425 | 25 x 145 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RV25ST P 110W 730 WAL | | 405807/552449 | 25 x 145 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RV25ST P 110W 740 WAL | | 405807/552463 | 25 x 145 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RV25ST P 158W 727 WAL | | 405807/552470 | 25 x 145 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RV25ST P 158W 730 WAL | | 405807/552494 | 25 x 145 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RV25ST P 158W 740 WAL | | 405807/552517 | 25 x 145 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |

## STREETLIGHT FLEX LARGE RW35ST

Wide light distribution optimized for wider roads and area lighting

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<thead>
<tr>
<th>Product name</th>
<th>Segmentation</th>
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### Product name Segmentation GTN (EAN) L \( W \times H \) [mm] ∅ \( H \) [mm]

| SL FLEX LA RW35ST P 110W 727 WAL | | 405807/552425 | 35 x 135 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RW35ST P 110W 730 WAL | | 405807/552449 | 35 x 135 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RW35ST P 110W 740 WAL | | 405807/552463 | 35 x 135 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RW35ST P 158W 727 WAL | | 405807/552470 | 35 x 135 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RW35ST P 158W 730 WAL | | 405807/552494 | 35 x 135 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
| SL FLEX LA RW35ST P 158W 740 WAL | | 405807/552517 | 35 x 135 | 70 | ≤ 10 % | IK08 | 7 700 | 617 x 300 x 90 |
STREETLIGHT FLEX ACCESSORIES
Mounting accessories for STREETLIGHT FLEX luminaires

- Larger pole adapter, suitable for 76 mm poles
- Reduction piece, enabling the standard adapter for installation at 42 mm poles
- Suitable for all Streetlight Flex types

FURTHER PRODUCT DETAILS

<table>
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<th>Product name</th>
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1 Refer to www.ledvance.com/guarantee for precise conditions
Using the right emergency lighting, buildings can be evacuated quickly and safely. It helps prevent panic. This requires the installed luminaires to work even if power supply is interrupted. LEDVANCE offers a wide range of certified single-battery emergency luminaires and emergency lighting components that can be retrofitted:

1. **LUMINAIRES WITH ADDITIONAL EMERGENCY LIGHTING FUNCTIONALITY**

Many standard LEDVANCE luminaires are also available as single-battery luminaires. This allows you to implement the emergency lighting in the same style as your luminaire installation.

2. **EMERGENCY CONVERSION BOX**

With the Emergency Conversion Box, which is available separately, you can quickly and easily convert a selection of your LEDVANCE Panels and Downlights into single-battery emergency luminaires.

For details go to [www.ledvance.com/emergency](http://www.ledvance.com/emergency)
LEDVANCE OFFERS AN EXTENSIVE PORTFOLIO OF SINGLE-BATTERY EMERGENCY LUMINAIRES

- Emergency luminaires certified to EN 60598-2-22
- Integrated automatic test function for simple testing of emergency lighting operation
- Emergency lighting and battery status display by means of integrated status LED
- Emergency lighting operated on a long-life LiFePO4 battery (3h discharge time)

YOUR BENEFITS OF UPGRADING WITH THE EMERGENCY CONVERSION BOX:

- Plug-and-play system allows easy installation and quick conversion of existing luminaires
- Emergency lighting module reduces warehousing complexity for emergency luminaires
- Integrated automatic test function for simple testing of emergency lighting operation
- Emergency lighting operated on a long-life LiFePO4 battery (3h discharge time)
DAMP PROOF LED EMERGENCY: PLANNING EXAMPLE FOR ANTI-PANIC AND ESCAPE ROUTE LIGHTING

For more information and planning aids for emergency luminaires see the eCatalog at www.ledvance.com/professional

### ANTI-PANIC LIGHTING

<table>
<thead>
<tr>
<th>h [m]</th>
<th>a1 [m]</th>
<th>b1 [m]</th>
<th>a2 [m]</th>
<th>b2 [m]</th>
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</thead>
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<tr>
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<td>11.0</td>
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</tbody>
</table>

### ESCAPE ROUTE LIGHTING

<table>
<thead>
<tr>
<th>h [m]</th>
<th>a1 [m]</th>
<th>a2 [m]</th>
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</thead>
<tbody>
<tr>
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<td>9.0</td>
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<tr>
<td>3.0</td>
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</tr>
<tr>
<td>4.0</td>
<td>5.5</td>
<td>10.5</td>
</tr>
</tbody>
</table>
EMERGENCY CONVERSION BOX

Emergency conversion box to convert recessed luminaires to self-contained emergency luminaires

- Self-contained emergency conversion unit
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Recessed ceiling mounting
- Conversion of selected LEDVANCE panels and downlights to emergency luminaires
- Emergency conversion unit reduces stock keeping complexity from emergency lighting
- Plug-and-play system allows easy installation
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L × W × H [mm]</th>
<th>Ø × H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM Conversion Box</td>
<td>4058073237025</td>
<td>292 x 81 x 41</td>
<td>-</td>
</tr>
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</table>

EMERGENCY LIGHTING PROPERTIES

<table>
<thead>
<tr>
<th>Product name</th>
<th>Battery life in emergency operation mode</th>
<th>Type of emergency operation test</th>
<th>Type of emergency light operation</th>
<th>Luminous flux in emergency operation mode</th>
<th>Type of Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM Conversion Box</td>
<td>3h</td>
<td>Automatic</td>
<td>Maintained/Non-maintained</td>
<td>300...480 lm (depending on the luminaire)</td>
<td>LiFePO4</td>
</tr>
</tbody>
</table>
HIGH-QUALITY, COMPACT AND EFFICIENT
LEDVANCE LED DRIVERS FOR CONSTANT CURRENT

LEDVANCE also offers the right solution for integration in LED luminaires or operation of independent indoor downlighting/spotlighting with its drivers for constant current (CC).

The wide range of high-quality SELV-insulated LEDVANCE constant current LED drivers with output currents of 250 mA to 1,400 mA provides you with solid options for operating virtually all standard LED modules. Flexible power settings allow for correct integration in different LED luminaires. Leading-edge and trailing-edge phase cut options are available for dimming applications. The compact housing design, optional cable clamps and simple wiring make installation quick and easy even in tight spaces, reducing your installation time and costs. The life of up to 50,000 hours is another strong argument.

NAMING OF THE CC DRIVERS
The names of the CC drivers reveal their properties:

<table>
<thead>
<tr>
<th>LED DRIVER (DR)</th>
<th>DIP-Switch (DS)</th>
<th>Nominal wattage (W)</th>
<th>Nominal output current (mA)</th>
<th>Packaging and brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUPERIOR (SUP)</td>
<td>PERFERENCE (PFM)</td>
<td>25</td>
<td>220-240</td>
<td>10x1 LEDV</td>
</tr>
</tbody>
</table>

194
LED DRIVER DALI PERFORMANCE

Compact constant current LED driver with DALI dimming interface

**PRODUCT BENEFITS**
- Low flickering enables high light quality as well as good visual comfort
- Push DIM application for easy control
- High-quality dimming of 1…100 %
- Suitable for emergency lighting
- 5 years guarantee

**AREAS OF APPLICATION**
- Suitable for indoor SELV installations
- Suitable for use in emergency lighting systems (DC capable)
- Installation via possible (depending on version of product)
- Linear lighting for office, education, storage areas and retail

**PRODUCT NAME**

**GTIN (EAN)**

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>V</th>
<th>V&lt;sub&gt;d&lt;/sub&gt;</th>
<th>Hz</th>
<th>L x B x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR DALI-PFM-26/220-240/700</td>
<td>4058075421182</td>
<td>26</td>
<td>220…240</td>
<td>9…52</td>
<td>50/60</td>
<td>+/- 5 1…100 50000 -20…+50 85 l 90 x 44 x 32 1</td>
</tr>
<tr>
<td>DR DALI-PFM-44/220-240/1050</td>
<td>4058075421195</td>
<td>44</td>
<td>220…240</td>
<td>9…52</td>
<td>50/60</td>
<td>+/- 5 1…100 50000 -20…+50 90 l 90 x 44 x 32 2</td>
</tr>
<tr>
<td>DR DALI-PFM-60/220-240/144</td>
<td>4058075421199</td>
<td>60</td>
<td>220…240</td>
<td>9…52</td>
<td>50/60</td>
<td>+/- 5 1…100 50000 -20…+50 90 l 100 x 76 x 32 3</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

<table>
<thead>
<tr>
<th>Product name</th>
<th>DR AY ZB + DALI CLAMP DUO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>-</td>
</tr>
<tr>
<td>GTIN (EAN)</td>
<td>4058075483125</td>
</tr>
<tr>
<td>L x B x H [mm]</td>
<td>52.5 x 76 x 32</td>
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</table>

**EQUIPMENT / ACCESSORIES**

<table>
<thead>
<tr>
<th>Product name</th>
<th>DR AY ZB + DALI CLAMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>-</td>
</tr>
<tr>
<td>GTIN (EAN)</td>
<td>4058075483149</td>
</tr>
<tr>
<td>L x B x H [mm]</td>
<td>50 x 44 x 32</td>
</tr>
</tbody>
</table>

1 Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | 2 At maximum T<sub>c</sub> / 10% failure rate
LED DRIVER PHASE-CUT PERFORMANCE

Constant current LED driver with phase-cut dimming interface

**PRODUCT BENEFITS**
- Enables installation with commonly used leading-edge and trailing-edge dimmers
- 5 years guarantee
- Slim housing for narrow installations
- High efficiency and reliability

**AREAS OF APPLICATION**
- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>V</th>
<th>( V_{uv} )</th>
<th>Hz</th>
<th>( I_{max} )</th>
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<tbody>
<tr>
<td>DR PC-PFM-13/220-240/350</td>
<td>4058075329814</td>
<td>13</td>
<td>220...240</td>
<td>17...36</td>
<td>50/60</td>
<td>350</td>
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<tr>
<td>DR PC-PFM-18/220-240/350</td>
<td>4058075329838</td>
<td>18</td>
<td>220...240</td>
<td>32...54</td>
<td>50/60</td>
<td>350</td>
</tr>
<tr>
<td>DR PC-PFM-25/220-240/700</td>
<td>4058075329852</td>
<td>25</td>
<td>220...240</td>
<td>20...36</td>
<td>50/60</td>
<td>700</td>
</tr>
<tr>
<td>DR PC-PFM-35/220-240/700</td>
<td>4058075329876</td>
<td>35</td>
<td>220...240</td>
<td>30...50</td>
<td>50/60</td>
<td>700</td>
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</table>

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>L x B x H [mm]</th>
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</thead>
<tbody>
<tr>
<td>DR AY PC-PFM-CLAMP DUO</td>
<td>4058075313170</td>
<td>97 x 43 x 30</td>
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<tr>
<td>DR AY PC-PFM-CLAMP</td>
<td>4058075313170</td>
<td>130 x 43 x 30</td>
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<td>DR AY PC-PFM-CLAMP DUO</td>
<td>4058075313170</td>
<td>150 x 43 x 30</td>
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**EQUIPMENT / ACCESSORIES**

<table>
<thead>
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<th>Product name</th>
<th>Description</th>
<th>GTIN (EAN)</th>
<th>L x B x H [mm]</th>
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<tr>
<td>DR W PC-PFM-CLAMP DUO</td>
<td>Cable clamps for Phase-Cut LED Drivers</td>
<td>4058075313170</td>
<td>38.3 x 34 x 28.5</td>
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</tbody>
</table>

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1. Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | 2. a) At maximum \( T_c = 75^\circ C \) / 10% failure rate, b) At maximum \( T_c = 70^\circ C \) / 10% failure rate, c) At maximum \( T_c = 85^\circ C \) / 10% failure rate
LED DRIVER DIP-SWITCH PERFORMANCE

Constant current LED driver with dip-switch current setting

**PRODUCT BENEFITS**
- High flexibility due to adjustable output currents via dip switch
- Low flickering enables high light quality as well as good visual comfort
- 5 years guarantee
- Slim housing for narrow installations
- High efficiency and reliability

**AREAS OF APPLICATION**
- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- Suitable for build-in luminaries with adjustable current setting
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

**Product name** | **GTIN (EAN)** | **W** | **V** | **V_{ccy}** | **Hz** | **L_{max}** | **< 5**
--- | --- | --- | --- | --- | --- | --- | ---
DR DS-PFM-20/220-240/500 | 405807329753 | 20 | 220...240 | 25...42 | 50/60 | 250/350/450/500 | < 5
DR DS-PFM-30/220-240/700 | 405807329777 | 30 | 220...240 | 25...42 | 50/60 | 500/600/650/700 | < 5
DR DS-PFM-40/220-240/1A0 | 405807329791 | 40 | 220...240 | 25...40 | 50/60 | 800/900/950/1050 | < 5

**Product name** | **W** | **V** | **V_{ccy}** | **Hz** | **L_{max}** | **< 5**
--- | --- | --- | --- | --- | --- | ---
“DR AY DS-PFM-CLAMP DUO” | | | | | | 50000 -20...+50 75 II 98 x 44 x 30 1
DR AY DS-PFM-CLAMP DUO | | | | | | 50000 -20...+50 75 II 98 x 44 x 30 2
DR AY DS-PFM-CLAMP DUO | | | | | | 50000 -20...+45 75 II 98 x 44 x 30 3

---

**EQUIPMENT / ACCESSORIES**

**Product name** | **DR AY DS-PFM-CLAMP DUO**
--- | ---
**Description** | Cable clamps for DIP-Switch LED Drivers
**GTIN (EAN)** | 4058075313200
**L × B × H [mm]** | 35.7 x 35.2 x 28.2

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1 Refer to www.ledvance.com/guarantee for precise conditions | 2 At maximum T_{c} = 75°C / 10% failure rate
## LED DRIVER VALUE

Constant current LED driver with dedicated current

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### PRODUCT BENEFITS

- Suitable for operation with many discrete LED and COB LED
- Excellent price/performance ratio
- 3 years guarantee
- Quick and simple installation
- High efficiency and reliability

### AREAS OF APPLICATION

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

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### EQUIPMENT / ACCESSORIES

1 Refer to www.ledvance.com/guarantee for precise conditions | 2 a) At maximum $T_c = 80°C$ / 10% failure rate, b) At maximum $T_c = 85°C$ / 10% failure rate, c) At maximum $T_c = 90°C$ / 10% failure rate

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN (EAN)</th>
<th>W</th>
<th>V</th>
<th>$V_{oc}$</th>
<th>Hz</th>
<th>$I_{max}$</th>
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<td>DR-VAL-15/220-240/350</td>
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<td>30...46</td>
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<tr>
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<td>4058071240216</td>
<td>20</td>
<td>220...240</td>
<td>28.5...48</td>
<td>50/60</td>
<td>500</td>
<td>&lt; 5</td>
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<tr>
<td>DR-VAL-30/220-240/700</td>
<td>4058071240230</td>
<td>30</td>
<td>220...240</td>
<td>26...43</td>
<td>50/60</td>
<td>700</td>
<td>&lt; 5</td>
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<td>DR-VAL-45/220-240/1A0</td>
<td>4058071240254</td>
<td>45</td>
<td>220...240</td>
<td>30...40</td>
<td>50/60</td>
<td>1050</td>
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<td>4058071240278</td>
<td>60</td>
<td>220...240</td>
<td>26...43</td>
<td>50/60</td>
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<th>$T_{a}$</th>
<th>$T_{c}$</th>
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<td>105 x 42 x 24</td>
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<td>DR-VAL-20/220-240/500</td>
<td>-10...+50</td>
<td>85</td>
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<td>115 x 45 x 28</td>
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<tr>
<td>DR-VAL-30/220-240/700</td>
<td>-10...+50</td>
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<td>140 x 45 x 28</td>
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<tr>
<td>DR-VAL-45/220-240/1A0</td>
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<tr>
<td>DR-VAL-60/220-240/1A4</td>
<td>-10...+45</td>
<td>85</td>
<td></td>
<td>212 x 46 x 30</td>
</tr>
</tbody>
</table>

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TAILOR-MADE CALCULATIONS – WITH OUR FAST LIGHT CALCULATION TOOL OR DIALUX/RELUX

We have put together our tools and services for achieving accurate calculations for your projects. Do you want quick information from the Fast Light Calculation Tool or detailed professional planning with DIALux and RELUX? We’ll give you individual advice and, together with you, we’ll plan the optimum lighting for your complete project.

FAST LIGHT CALCULATION TOOL

With the handy calculation tool on our website, we offer installers and lighting professionals a quick and easy way to plan lighting projects successfully. The results are compiled in a PDF document which you can attach to your email tenders, for example. For more information go to ledvance.com/flct

THE INFORMATION PROVIDED BY THE TOOL INCLUDES THE FOLLOWING:

- Number of luminaires needed
- Floor plan showing the distribution of the luminaires
- Illuminance, total power (W) and specific load (W/m²)
- Light distribution curve for every luminaire

The Fast Light Calculation Tool is no substitute for comprehensive professional planning with DIALux or any other professional light planning software.

MORE BENEFITS FOR YOU:

- Intuitive operation of the tool
- Preselection of application areas with minimum lux values
- Info boxes explaining the values to be entered
- Generation of a final PDF with the results, including a floor plan showing the distribution of the luminaires
DIALUX/RELUX

PROFESSIONAL

SAMPLE DIALUX CALCULATION WITH TRUSYS PFM 50W/4000 K

ROOM DEFINITION
Industrial storage

ROOM DIMENSIONS
- Floor area: 1,500 m²
- Ceiling height: 8 m
- Installation height: 7 m

REFLECTANCE
- Ceiling: 70 %
- Walls (4): 50 %
- Flooring: 20 %

BASIS FOR CALCULATION
- Relevant standard DIN EN12464-1
- Required illuminance Em: 300 lx
- Required uniformity Emin / Em: 0.40
- Maintenance factor: 0.80
- Boundary zone: 0.00 m

RESULTS: ILLUMINANCE IN THE STORAGE ROOMS

<table>
<thead>
<tr>
<th>Area</th>
<th>Average (target)</th>
<th>Min</th>
<th>Max</th>
<th>Uniformity Emin/Em (target)</th>
</tr>
</thead>
<tbody>
<tr>
<td>work level, storage space</td>
<td>325 lx (300 lx)</td>
<td>168 lx</td>
<td>385 lx</td>
<td>0.516</td>
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</tbody>
</table>

DIALUX AND RELUX

Good news for DIALux and RELUX users: Since the start of 2018 LEDVANCE has been working with the software producers. DIALux and RELUX users can now easily integrate LEDVANCE products in their lighting plans. Our luminaire data is also BIM-compatible. We also support users with customized advice on planning their lighting systems and offer tailored solutions for an extremely wide variety of lighting requirements – all entirely from a single source.

YOUR BENEFITS AT A GLANCE

Tailored calculation for accurate planning of your project:
- Uniformly good light distribution
- Precise wattage per sqm
- Maximum efficient calculation of required number of luminaires

See for yourself.
PROJECT:
Upgrade to LED lighting at Innsbruck hospital
VERTICAL: Facility management – Health care
APPLICATION: Lighting for hospitals and clinics
TECHNOLOGY: LED technology

LEDVANCE PRODUCTS:

LED Panel 625
LED Panel 1200
LED Damp Proof
LED Downlight
The Tyrol clinics in the Innsbruck, Hall and Hochzirl-Natters hospitals are committed to sustainability – especially in terms of energy management. The lighting at Innsbruck hospital has consequently been upgraded step-by-step to LED technology since 2016. Among other things, about 6,000 modern LED luminaires from LEDVANCE have been installed in that time, for example in the corridors of the central supply building, in the underground garage, in the lift areas and in the canteen. Patients, visitors and employees benefit not only from better quality of light. The LED luminaires also achieve energy savings of up to 50%. Other advantages for the Tyrol clinics include simple installation, longer service life for the luminaires of up to 50,000 hours and hence reduced expenditure for installation and maintenance.
BAD LIGHT DRIVES YOU WILD?
BETTER SWITCH TO LEDVANCE LUMINAIRES.

With over 100 years of experience in general lighting, LEDVANCE combines traditional lighting technology with pioneering lighting innovations for almost any application. In addition to this unique know-how, we particularly rely on long-term customer relationships and a strong global sales network.

As technology trend experts, we are leading the way in meeting the rapidly changing demands for high-quality and long-lasting light. And as a strong local partner, we are always reliably at your side in over 140 countries.

Whether it’s luminaires, lamps, our LED Strip System or state-of-the-art light management solutions, our teams of specialists are focused on the specific needs of our customers. We are making a decisive contribution to increasing your competitiveness with technical innovations and easy-to-use, intelligent lighting solutions compliant with EU regulations.

So with LEDVANCE you are always prepared for the future. Our current luminaire portfolio, for example, meets all the requirements of the EU’s new SLR and ELR regulations. And everything we do is geared to the wishes of our customers.

We always focus on the benefit for you as a lighting professional. That’s why we do everything we can to make our products and systems particularly easy to plan, install and combine.

Based on these principles, we will continue to develop sophisticated products and provide you with optimum support in your personal fight against bad light.
GOOD LIGHT ALL ROUND
THE FULL LEDVANCE RANGE

LEDVANCE is leading the fight against bad light in every area. That’s good news for you because when it comes to future-proof solutions relating to luminaires and lamps, HCL systems, electronic components, light management and smart residential products, you have a competent partner in LEDVANCE on your side for your complex lighting projects. You can always rely on LEDVANCE for excellent brand quality, professional service and a good price/performance ratio.

AESTHETICALLY FUNCTIONAL LUMINAIRES

The extensive luminaire portfolio covers virtually all professional and residential applications and delivers outstanding quality and functionality. The new BIOLOX HCL system is a winner of the VDE Quality Certificate, and the red dot 2020 Product Design and 2020 German Innovation Awards.

EACH LAMP A LIGHTING SOLUTION

The lamp portfolio includes a wide choice of shapes and base sizes as well as types with additional functions (e.g. sensors), all with outstanding efficiency and durability. Alongside UV-C and LED lamps, LEDVANCE will continue to offer conventional halogen, energy-saving, fluorescent and gas discharge lamps.

FLEXIBLE LED STRIP SYSTEM

The LED Strip System includes a large number of flexible LED strips, drivers and matching accessories. With a wide range of luminous fluxes and light colors, the system allows bespoke lighting solutions to be created for virtually any indoor or outdoor application. Easy to plan, easy to combine and easy to install – that’s the principle here.

VIVARES: LIGHT MANAGEMENT, MORE COMFORTABLE THAN EVER

The future-proof IoT light management system (LMS) from LEDVANCE makes it easier and more flexible than ever to always produce optimal lighting conditions for defined requirements. The system is extremely reliable and compatible and offers all LMS components and matching LED luminaires from one source.

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.

MORE INFORMATION AND CLEVER TOOLS

For more information on LEDVANCE’s extensive product portfolio and clever apps and tools that will help you in your day-to-day work go to www.ledvance.com.
WHENEVER AND WHEREVER: THE ONLINE PORTAL WITH ALL THE INFORMATION, ADVICE AND EXPERTISE

Are you looking for information about our products and services? LEDVANCE always keeps you up to date: at wholesalers, through our sales employees or via our Customer Service Center (email: contact@ledvance.com). Here you’ll find an overview of our competencies, databases and tools.

THE ONLINE TRAINING PLATFORM

A host of application-oriented eLearnings for professional users, practical advice on installation, integrated standards checks, planning tips, and much more.

Register and find out more at training.ledvance.com

FAST LIGHT CALCULATOR

The light calculation tool – calculate your luminaire project requirement really conveniently, taking account of relevant parameters such as room size.¹

Available directly in the e-catalog!

LIGHT CALCULATION WITH DIALUX AND RELUX

DIALux and RELUX users can now also integrate LEDVANCE products really easily into their lighting planning. We also support users through consultancy, calculation and aftersales support.

¹ The Fast Light Calculation Tool is no substitute for comprehensive professional planning with DIALux or any other professional light planning software.
SHEEDING LIGHT, SYMBOLS AND ABBREVIATIONS

<table>
<thead>
<tr>
<th>IP</th>
<th>Type of protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP 20</td>
<td>Type of protection, back/front</td>
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<td>IP 44</td>
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<td>IK</td>
<td>IK impact rating</td>
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<td>CRI</td>
<td>Color rendering index</td>
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<td>SDCM ≤ 3</td>
<td>MacAdam color consistency</td>
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<tr>
<td>Dimmable or DALI</td>
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<tr>
<td>Lm</td>
<td>Luminous flux in lm</td>
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<tr>
<td>W</td>
<td>Power in W</td>
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<td>K</td>
<td>Color temperature in K</td>
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<tr>
<td>Im / W</td>
<td>Luminous efficacy</td>
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<td>Guarantee</td>
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<td>Sensor versions</td>
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<td>Replacement for traditional lamp technology</td>
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<td>L70</td>
<td>t [h]: L70/B50 @ 25 °C (Tₐ)</td>
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<tr>
<td>L80</td>
<td>t [h]: L80/B10 @ 25 °C (Tₐ)</td>
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<td>L90</td>
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<td>Beam angle in °</td>
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<td>Weight</td>
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<td>Unit of Packaging</td>
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<td>TÜV Rheinland certification</td>
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LIST OF ABBREVIATIONS

ASYM  Asymmetric
AT    Auto Test
BK    Black
CCT   Correlated Color Temperature
D    Direct
DA    Double Asymmetric
D/I   Direct/Indirect
DEG   Degree (beam angle)
DK    Dark Light (cut-off)
DL    Downlight
DN    Diameter Nominal
DP    Damp Proof
DS    Double Symmetric
EM    Emergency
ER    Energy Rail
FL    Flood (beam angle)
Flood Floodlight
FP    Fire-Proof (fire rated up to …)
GY    Gray
HB    High Bay
HO    High Output
IND   Indirect
INDV  IndiviLED
LN    Linear
MT    Manual Test
MP    Microprismatic (= UGR < 19)
N    Narrow (beam angle)
NFL   Narrow Flood (beam angle)
O    Outdoor
OP    Opal
PFM   Performance
RD    Round
S    Sensor
SF    Surface
SI    Silver
SP    Spot
SQ    Square
Surface-C Surface Circular
SYM   Symmetric
TH    Through-wiring
Track  Tracklight
UGR   Unified Glare Rating
UO    Ultra Output
VAL   Value
VN    Very Narrow Beam Angle
VW    Very Wide Beam Angle
W    Wide (90° beam)
WT    White
WW    Wallwasher = asymmetric
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 in the lighting industry, traditional light sources, an LED Strip System and light management systems.