



LED IS LEDVANCE
PROFESSIONAL LED LAMPS
NOW BEAR OUR NAME

THE ENTIRE RANGE OF LED LAMPS AT A GLANCE

LED LAMPS FROM LEDVANCE

June 2023



LEDVANCE: ADVANCING LIGHT

BAD LIGHT, CAN'T SEE A WAY FORWARD? BE EAGLE-EYED AND RELY ON LEDVANCE.

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 European regulations.

True to our slogan of "Advancing Light", we offer you European-compliant and therefore future-proof LED alternatives for just about every situation. We also make switching to LED lighting really straightforward, for example by offering our professional lamps in the future under our own name throughout Europe. So you and your customers just need to remember one thing: if it says LEDVANCE on the packaging, you know the lamp inside will be efficient, future-proof and of high quality.

But the most important thing is that our portfolio, our sales support and our service will give you a crucial competitive advantage in the fight against bad light – today and tomorrow.

LED IS LEDVANCE. You can count on us.



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LED IS LEDVANCE

PROFESSIONAL LED LAMPS NOW BEAR OUR NAME

The continuous change in the lighting market requires us all to act determined, efficiently and sustainably. That's why we're making the transition to innovative LED technology easier than ever for you. Since we are now offering our professional range of lamps under our own name throughout Europe, you only need to remember one thing from now on: when it says LEDVANCE, the product is high quality, efficient and future-proof. It couldn't be simpler.

100 YEARS OF EXPERIENCE, 7 YEARS OF LEDVANCE

Having emerged from the general lighting division of OSRAM, LEDVANCE has established itself as a leading name in future-oriented LED solutions in just seven years. From LED lamps, luminaires and strips to light management systems and human centric lighting, LEDVANCE boasts over 100 years of lighting experience and is your reliable partner in every respect – today and tomorrow.

NEW NAME, OLD FAVORITES

The name is new – and so is the EAN. But because we have linked the new LEDVANCE LED lamps with the well-known predecessor products in our online product catalog, your “old favorites” are still very easy to find during the transition phase. And when you look at the new clear packaging layout, you will quickly see that many of our professional LED lamps have become even more powerful with the brand change. Lamps such as the VINTAGE EDITION 1906 or the LEDinestra range, which we continue to carry under the well-known and proven OSRAM brand in the residential sector, will of course continue to meet all your expectations in terms of quality, performance and efficiency.

THE SWITCH TO LED: AS EASY AS POSSIBLE

The ban on placing inefficient light sources and light sources containing hazardous substances on the market has presented the lighting industry with complex challenges – and has sealed the fluorescent lamp's fate. Good job that LEDVANCE offers various practical solutions to make the switch to compliant LED technology very simple – and also very clear – for almost every application. Because from now on all our professional lamps will bear the name LEDVANCE. But that's not all. The classification of the lamps into SUPERIOR, PERFORMANCE and VALUE product classes, which you already know from our luminaires, as well as a clear nomenclature with all important product information allow you to quickly and reliably choose the right lamp. That's what we understand by Advancing Light.



Attractive and informative – this is how you'll find our new packaging on shelves. You'll recognize our super-efficient lamps by the brown recycled packaging.

SUSTAINABLE PARTNERSHIP

Future-proofing is now inextricably linked to sustainability. LEDVANCE is your competent lighting partner here too – and supports you not only with pioneering efficiency but also, for example, with products made from recycled materials or with socketed luminaire which push the trend toward replaceable components and a circular economy. Just how much success our commitment to sustainability brings is demonstrated by the silver medal awarded by EcoVadis, one of the world's most renowned providers of sustainability assessments. Learn more about our Green Agenda at: ledvance.com/sustainability



LED TUBE T8 EM UO **S** 1500 mm 22.1W 840

Example of the new lamp nomenclature

SUPERIOR CLASS

Indicates the product class in line with the luminaire portfolio (P = Performance Class, V = Value Class)



The ambitious EcoVadis rating comprises 21 sustainability criteria in these four areas:

- Environment
- Labour and human rights
- Ethics
- Sustainable procurement



YOU HAVE THE PROBLEM. WE HAVE THE SOLUTION. PLAY IT SAFE WITH COMPLIANT LED LAMPS



THE SITUATION MORE EFFICIENCY FOR OUR CLIMATE

As a measure against climate change, Europe aims to reduce CO₂ emissions in buildings by 30 % by 2030. What's more, the RoHS Directive is further restricting exceptions for mercury in light sources. As a result, mercury-containing and inefficient lamps may gradually no longer be placed on the market during 2023.

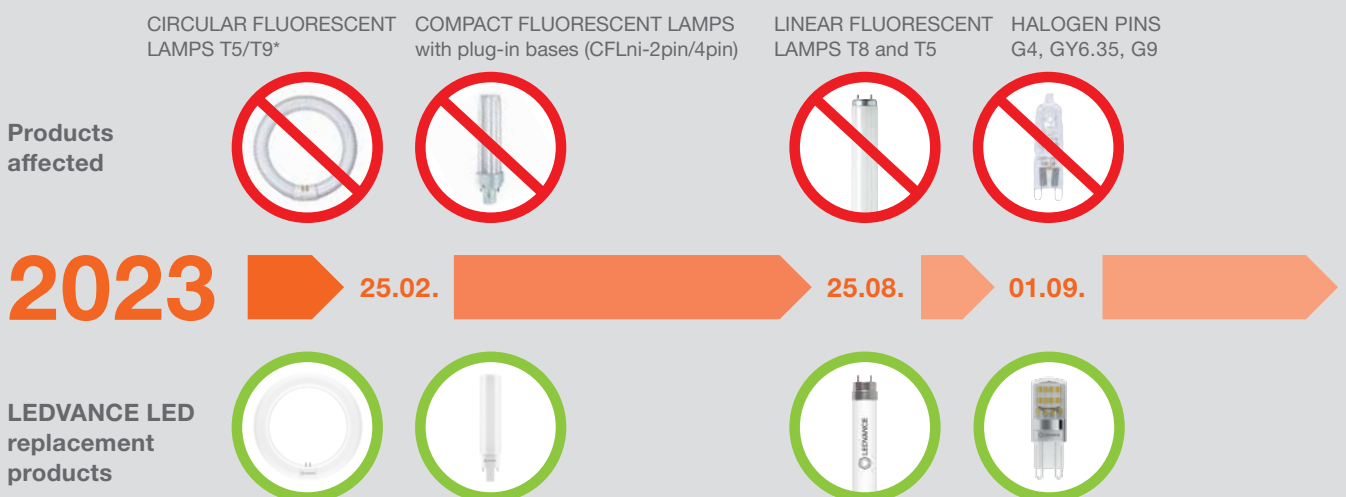


THE CHALLENGE SWITCHING TO LED

LED technology is efficient, versatile and future-proof. However, the switch from outdated T8/T5 fluorescent tubes and CFLni compact fluorescent lamps to innovative LED alternatives in existing lighting systems does not always work as a straightforward retrofit – local conditions differ too much.

GOODBYE FLUORESCENT LAMP. HELLO LED.

Fluorescent lamps have come to the end of the road. LEDVANCE offers future-proof alternatives: EU-compliant, energy-efficient and cost-effective.



*T9 phase-out by LEDVANCE



THE SOLUTION LAMP REPLACEMENT OR NEW LUMINAIRE

In LEDVANCE, you have a lighting partner at your side who offers you a convincing alternative for your situation and supports you in finding solutions – from direct replacement and rewiring to upgrades and new installations.

This gives you peace of mind for always having the right answer to lamp bans, climate change and energy shortages – and at the same time allows you to successfully participate in the market.



A detailed overview of the lamp ban 2023 can be found at:
ledvance.com/lampban2023



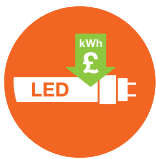
For a detailed overview go to:
ledvance.com/rohs



4 OPTIONS FOR ALL SITUATIONS – HOW TO SWITCH

SOLUTIONS WITH LED TUBES

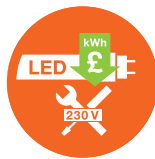
RETROFIT



Simple 1:1 replacement:

- Wide range of LED tubes for easy, quick and safe lamp replacement
- No rewiring necessary
- As a replacement for fluorescent tubes operated on CCG or compatible ECG
- Find the right LED tube in just a few steps with the Lamp Finder

CONVERSION



If there is no retrofit alternative or if the customer values maximum energy savings and low maintenance, rewiring is the solution.

1. LED tube on mains voltage:

Particularly quick and application-oriented with the conversion kit and the matching range of T8 and T5 LED tubes

2. LED TUBE EXTERNAL SYSTEM: T8/T5 LED tube and LED DRIVER EXTERNAL:

The perfect solution for switching from old fluorescent lamps and dimmable DALI control gear to efficient and dimmable LED tube technology

SOLUTIONS WITH LED LUMINAIRES

UPGRADE



Upgrade using the luminaire-in-luminaire principle:

- LINEAR MAGNETIC BATTEN T5 upgrade kit for existing T5 and T8 metal louver luminaires
- Positioning and mounting using adjustable magnets
- Quick, tool-free rewiring thanks to connector box
- Designed for use with T5 AC LED tubes
- Available in three different lengths

NEW INSTALLATION

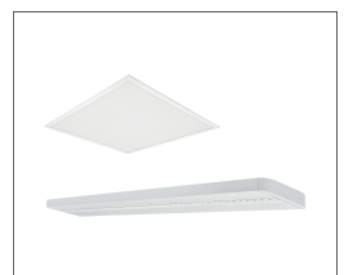


Complete replacement with modern LED luminaires:

- Large range of innovative luminaires for new construction or renovation projects
- Attractive design and high quality
- High functionality for intelligent lighting control
- Long life and maximum potential for energy savings



Go direct to
Lamp Finder:
ledvance.com/lampfinder

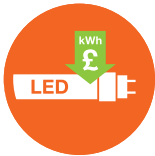


LED TUBES AND DULUX IN A CLASS OF THEIR OWN WHATEVER THE SHAPE

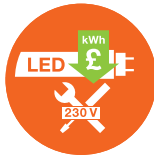
Whether it's for industry, offices, warehouses or any other application, LEDVANCE LED tubes and DULUX LED lamps make it particularly easy for you to switch from fluorescent lamps affected by the 2023 ban to future-proof LED technology.

That's because our portfolio contains LED alternatives for every requirement and all technical circumstances. Efficient, energy cost-saving and high-quality. But above all, easy to plan, easy to install and easy to combine.

RETROFIT



CONVERSION



01	LED T8 EM	
02	LED T8 UNIVERSAL	
02	LED T8 HF	
03	LED T5 HF	
		04 LED T5 AC MAINS
		05 LED TUBE EXTERNAL SYSTEM: LED TUBE T8/T5 EXTERNAL LED DRIVER EXTERNAL
06	DULUX LED	



¹ LED TUBE T8 HF | ² LED TUBE T8 UNIVERSAL | ³ Check ECG compatibility before installation at Tube Finder: [ledvance.com/tubefinder](https://www.ledvance.com/tubefinder) or compatibility lists: [ledvance.com/ecg-compatibility](https://www.ledvance.com/ecg-compatibility)

01 | LED TUBE T8 EM

The right lamp for any project. The expanded T8 EM portfolio is not only split into three product segments but also has impressive variety. For example, all types are available in the main light colours of 3000, 4000 and 6500 K. SUPERIOR CLASS Ultra Output also includes 4000 K at CRI 90 and 5000 K. All the lamps are made of glass. Lamps in the SUPERIOR CLASS and PERFORMANCE CLASS offer shatter protection in addition.

SUPERIOR CLASS:

- **NEW:** up to 185 lm/W for Ultra Output types, Energy Efficiency Class B
- **NEW:** up to 175 lm/W for standard types
- **NEW:** ENEC certification

PERFORMANCE CLASS:

- **NEW:** up to 60 000 h lifetime
- **NEW:** up to 155 lm/W for standard types
- **NEW:** shatter protection for all types

VALUE CLASS:

- **NEW:** new Ultra Output sub-segment with up to 3 500 lm
- **NEW:** new types replacing 15 W, 30 W, 38 W

SUPERIOR CLASS

PERFORMANCE CLASS

VALUE CLASS

02 | LED TUBE T8 UNIVERSAL³ AND HF³

These glass tubes offer high-quality, energy savings of up to 60 % and a short payback time. T8 Universal has the flexibility to be operated on CCG, ECG and mains voltage (AC). Thanks to the expanded portfolio in the PERFORMANCE CLASS and the VALUE CLASS we offer the right LED tube for any project.

T8 HF can only be operated on ECG and offers budget-sensitive customers an attractive price-performance ratio.

- **NEW:** LED TUBE T8 HF in the PERFORMANCE CLASS with an increased lifetime of 75 000 hours provides greater economy thanks to longer maintenance cycles
- In lengths of 600 mm, 1 200 mm and 1 500 mm
- In the main light colours of 3000 K, 4000 K and 6500 K

PERFORMANCE CLASS

VALUE CLASS

03 | LED TUBE T5 HF

The efficient, robust and shatterproof T5 HF LED TUBE is an ideal replacement for any conventional T5 fluorescent tube and can be installed quickly and easily.

- All LED TUBE T5 HF tubes are made of glass with shatter protection
- Compatible with a wide range of HF control gear (ECG)

PERFORMANCE CLASS

04 | LED TUBE T5 AC MAINS

No compatibility problems, no energy losses, no costly replacement of control gear. LED TUBE T5 AC MAINS is the perfect replacement for existing T5 fluorescent tubes connected to AC mains.

- All LED TUBE T5 MAINS are made of glass with shatter protection

PERFORMANCE CLASS

05 | LED TUBE EXTERNAL SYSTEM

The LED TUBE EXTERNAL SYSTEM is a lamp/driver concept. It consists of a T5 or T8 LED tube and perfectly matched external DALI-2 LED driver.

- For easy upgrades of dimmable DALI fluorescent lamp systems to LED technology
- For planning new luminaires with replaceable lighting components
- No compatibility check necessary, as the LED TUBE EXTERNAL SYSTEM is perfectly matched
- For equipping emergency lighting systems with LED tubes

PERFORMANCE CLASS

06 | DULUX LED

Ideal for public buildings, stairwells, corridors and foyers: LED replacement for CFLni compact fluorescent lamps without integrated control gear with high cost effectiveness, short payback times and two to three times longer life than traditional CFLni lamps.

- **NEW:** Direct replacement for DULUX LED SQUARE EM GR8, DULUX LED D VERTICAL G24d, DULUX LED T GX24d
- Also for 230 V AC
- With energy savings of up to 60 % compared to CFLni lamps
- With good light quality and light distribution

VALUE CLASS



FIND YOUR ALTERNATIVE
LED LAMP SOLUTION
Go directly to the Lamp Finder:
ledvance.com/lampfinder

HQL & NAV LED FILAMENT

NEW LIGHT FOR STREETS AND SQUARES

High efficiency and full glass bulbs with 360° light distribution make LEDVANCE HQL and NAV LED FILAMENT ideal as direct replacements for traditional mercury and sodium vapor lamps. They are suitable for operation on CCG or 230V mains voltage, are extremely lightweight and available in 2700K and 4000K light colours. Other key technical data: IP65 protection, 2 kV surge protection, power factor 0.9 and life of 25000 hours.



01 | HQL LED FILAMENT

- Very high efficiency of up to 167 lm/W
- Up to 77 % lower energy consumption than traditional HQL lamps
- Full-glass frosted bulb looks very much like traditional HQL lamps
- Thanks to 360° beam angle and form, existing luminaire reflectors can continue to be used without any problems

02 | NAV LED FILAMENT

- Extremely high efficiency of up to 190 lm/W
- Up to 63 % lower energy consumption than traditional NAV lamps
- Tubular full-glass clear bulb hardly differs from that of conventional NAV lamps
- Very similar light distribution thanks to the 360° beam angle, the reflectors of existing luminaires can be used with no problems at all



LEDVANCE HQL LED FILAMENT:
UP TO 77 % LOWER
ENERGY CONSUMPTION
THAN TRADITIONAL
HQL LAMPS

LEDVANCE NAV LED FILAMENT:
THE DIRECT FUTURE-PROOF REPLACEMENT
FOR TRADITIONAL NAV LAMPS

GENERAL LAMPS

HIGH-CLASS LIGHT IN A CLASSIC SHAPE

Our LED lamps in classic bulb and base shapes have more to offer than ever before, making them ideal for private homes, restaurants, hotels, relaxation areas in office buildings and waiting rooms in public buildings. Whatever the shape, wattage or type, all the lamps have one thing in common, namely top quality based on our expertise in the lighting market stretching back more than 100 years. Now's the time for you to benefit from this know-how.



01 | LED FILAMENT CLASSIC A DIM WITH EEC B

- Replacement for the entire conventional range (E27 with 40/60/75/100 W)
- Available in clear and frosted versions
- Very high efficiency of up to 185 lm/W
- Up to 60 % energy saving compared to a conventional LED CLASSIC A Heatsink

02 | LED FILAMENT CLASSIC B/P DIM WITH EEC C

- Replacement for conventional 40 W incandescent lamps with a B or P type bulb (E14)
- Available in clear and frosted versions
- Up to 40 % lower energy consumption compared to a conventional LED CLASSIC B/P Heatsink

03 | LED FILAMENT CRI 97 DIM PORTFOLIO

- Premium portfolio with very high colour rendering (CRI 97)
- Pleasant, natural light
- Replacement for CLASSIC A (E27 with 40/60/75/100 W) in clear and frosted versions and for CLASSIC B/P (E14 with 40 W)

05 | LED MOTION SENSOR CLASSIC LAMP

- Maximum energy savings thanks to the combination of daylight and motion sensor
- The motion sensor has a 3 m and 90° detection range and also works in glass/plastic luminaires; the lamp switches off if no movement is detected for 30 seconds
- The integrated daylight sensor does not switch the lamp on when the ambient light is bright (> 20 lux)

04 | LED FACILITY CLASSIC A/E27 AND B/E14

- For facility areas like corridor, staircases or basement
- Designed for AC/DC (AC 220–240 V, DC 176–250 V) and emergency power systems
- Up to 500 000 switching cycles
- High switching cycle enables long lifetime when it is connected to motion sensors
- Suitable for extreme ambient temperatures (–30 to +50 °C)

LED TUBE AS A MULTIPACK

LEDVANCE CONVERSION KITS

The LEDVANCE conversion kit includes all the materials you need for converting T8 or T5 lamps – including step-by-step instructions. Rewiring is quick and easy with this kit. In addition to the kit, a step-by-step guide is available as a download.

It comes in two versions for single- or double-lamp luminaires and includes:

- WAGO connectors
- Cable ties and adhesive sockets
- New blank name plate
- Pre-wired microfuse (250V T2 A)

The conversion kit is available in combination with selected LED tubes.

For further information see ledvance.com/ledtube



Product name	EAN 40		LED tube information on page
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SINGLE-LAMP CONVERSION KIT

LED TUBE T8 EM Ultra Output S + conversion kit

LED TUBE T8 EM UO S 1200 14W 840 KIT1	4099854101250	10	14
LED TUBE T8 EM UO S 1500 22.2W 840 KIT1	4099854107818	10	14
LED TUBE T8 EM UO S 1500 22.2W 865 KIT1	4099854107832	10	14

LED TUBE T8 EM S + conversion kit

LED TUBE T8 EM S 1050 11.4W 830 KIT1	4099854116353	10	15
LED TUBE T8 EM S 1050 11.4W 840 KIT1	4099854113659	10	15
LED TUBE T8 EM S 1200 12W 840 KIT1	4099854107757	10	15
LED TUBE T8 EM S 1500 17.7W 840 KIT1	4099854107795	10	15

LED TUBE T8 EM Ultra Output P + conversion kit

LED TUBE T8 EM UO P 1200 15.6W 840 KIT1	4099854108273	10	16
LED TUBE T8 EM UO P 1500 23.1W 840 KIT1	4099854108297	10	16
LED TUBE T8 EM UO P 1500 23.1W 865 KIT1	4099854111945	10	16

LED TUBE T8 EM P + conversion kit

LED TUBE T8 EM P 1200 13.5W 840 KIT1	4099854107863	10	17
LED TUBE T8 EM P 1500 20W 840 KIT1	4099854108129	10	17

Product name	EAN 40		LED tube information on page
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SINGLE-LAMP CONVERSION KIT

LED TUBE T5 AC HE P + conversion kit

LED TUBE T5 AC HE21 P 849 10W 830 KIT1	4099854108488	10	32
LED TUBE T5 AC HE28 P 1149 16W 840 KIT1	4099854101762	10	32
LED TUBE T5 AC HE35 P 1449 18W 840 KIT1	4099854108501	10	32

LED TUBE T5 AC HO P + conversion kit

LED TUBE T5 AC HO24 P 549 10W 840 KIT1	4099854101755	10	32
LED TUBE T5 AC HO39 P 849 16W 830 KIT1	4099854116360	10	32
LED TUBE T5 AC HO39 P 849 16W 840 KIT1	4099854104237	10	32
LED TUBE T5 AC HO49 P 1449 26W 840 KIT1	4099854108358	10	32
LED TUBE T5 AC HO54 P 1149 26W 830 KIT1	4099854108396	10	32
LED TUBE T5 AC HO54 P 1149 26W 840 KIT1	4099854108402	10	32
LED TUBE T5 AC HO80 P 1449 37W 840 KIT1	4099854108440	10	32

Product name	EAN 40		LED tube information on page
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DOUBLE-LAMP CONVERSION KIT

LED TUBE T8 EM Ultra Output S + conversion kit

LED TUBE T8 EM UO S 1200 14W 840 KIT2	4099854101267	5	14
LED TUBE T8 EM UO S 1500 22.2W 840 KIT2	4099854107825	5	14
LED TUBE T8 EM UO S 1500 22.2W 865 KIT2	4099854107849	5	14

LED TUBE T8 EM S + conversion kit

LED TUBE T8 EM S 600 6.3W 840 KIT2	4099854112003	5	15
LED TUBE T8 EM S 1200 12W 840 KIT2	4099854107740	5	15
LED TUBE T8 EM S 1500 17.7W 840 KIT2	4099854107801	5	15

LED TUBE T8 EM Ultra Output P + conversion kit

LED TUBE T8 EM UO P 1200 15.6W 840 KIT2	4099854108280	5	16
LED TUBE T8 EM UO P 1500 23.1W 840 KIT2	4099854108303	5	16
LED TUBE T8 EM UO P 1500 23.1W 865 KIT2	4099854111952	5	16

LED TUBE T8 EM P + conversion kit

LED TUBE T8 EM P 1200 13.5W 840 KIT2	4099854108037	5	17
LED TUBE T8 EM P 1500 20W 840 KIT2	4099854108150	5	17
LED TUBE T8 EM P 1500 20W 865 KIT2	4099854108204	5	17

Product name	EAN 40		LED tube information on page
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DOUBLE-LAMP CONVERSION KIT

LED TUBE T5 AC HE P + conversion kit

LED TUBE T5 AC HE28 P 1149 16W 840 KIT2	4099854108495	5	32
LED TUBE T5 AC HE35 P 1449 18W 840 KIT2	4099854108518	5	32
LED TUBE T5 AC HE35 P 1449 18W 865 KIT2	4099854108525	5	32

LED TUBE T5 AC HO P + conversion kit

LED TUBE T5 AC HO49 P 1449 26W 840 KIT2	4099854108365	5	32
LED TUBE T5 AC HO54 P 1149 26W 830 KIT2	4099854116377	5	32
LED TUBE T5 AC HO54 P 1149 26W 840 KIT2	4099854108372	5	32
LED TUBE T5 AC HO80 P 1449 37W 840 KIT2	4099854108457	5	32

DAMP PROOF HOUSING

ROBUST AND FUNCTIONAL

The ideal addition to the LEDVANCE LED TUBE T8 EM and LEDVANCE LED TUBE T8 EM CONNECTED, especially for use in harsh environments. The robust housing of the DAMP PROOF luminaire not only protects against moisture and dust but also easily withstands a hefty shock or two. Installation is particularly easy thanks to prewiring and integrated accessories. Wow your customers with our dream team of LED TUBE T8 EM or LED TUBE T8 EM CONNECTED and DAMP PROOF housing.

PRODUCT FEATURES

- Housing made of robust polycarbonate (PC), gray
- Suitable for **LED TUBE T8 EM** and **LED TUBE T8 EM CONNECTED**
- Luminaire housing, available for 1 or 2 **T8 LED lamps**
- Type of protection: IP65
- Impact resistance: IK08

PRODUCT BENEFITS

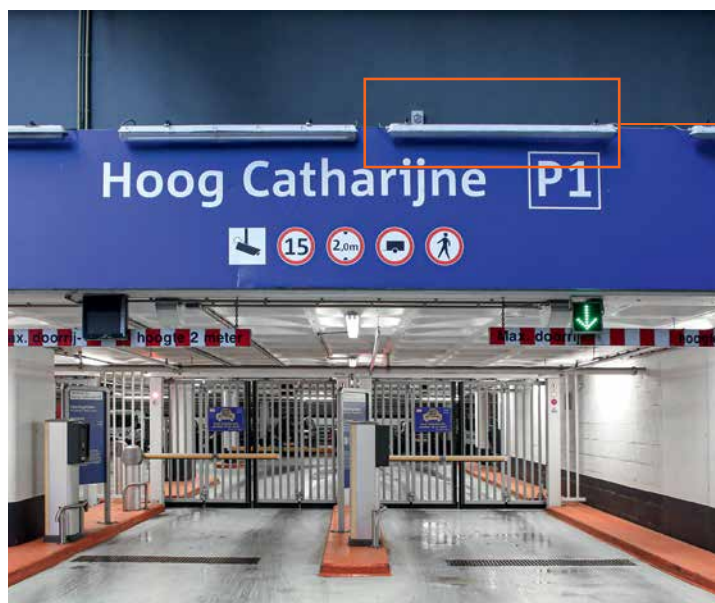
- Sustainable solution thanks to exchangeable lamps
- Prewired for easy installation of tubular AC LED lamps
- Robust housing
- Easy and quick installation
- 5 year guarantee¹

EQUIPMENT/ACCESSORIES

- All required accessories included



Product name	Segmentation	GTIN (EAN)				L x W x H [mm] Ø x H [mm]
DP HOUSING 600 1x Lamp IP65	■	4058075312395	105	IK08	600	651 x 64 x 75
DP HOUSING 600 2x Lamp IP65	■	4058075312418	105	IK08	850	651 x 103 x 75
DP HOUSING 1200 1x Lamp IP65	■	4058075312432	105	IK08	1000	1261 x 64 x 75
DP HOUSING 1200 2x Lamp IP65	■	4058075312456	105	IK08	1300	1261 x 103 x 75
DP HOUSING 1500 1x Lamp IP65	■	4058075312470	105	IK08	1300	1561 x 64 x 75
DP HOUSING 1500 2x Lamp IP65	■	4058075312494	105	IK08	1850	1561 x 103 x 75



A STRONG COMBINATION FOR LARGE INDOOR CAR PARKS:



Both **LED TUBE T8 EM** and **LED TUBE CONNECTED** can be used in the robust **DAMP PROOF housing** (IP 65).

The LED TUBE CONNECTED SYSTEM allows wirelessly connected light management without extensive wiring and programming.

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

LED TUBE T8 EM ULTRA OUTPUT S^{1,2}

SUPERIOR
CLASS

High performance LED tubes for electromagnetic control gears (CCG), shatterproof



1



3

PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Lamp tube made of glass with shatter protection e.g. for food industry applications
- ENEC 10 VDE mark

PRODUCT BENEFITS

- No bending thanks to glass tube
- Shatter protection thanks to special PET coating
- Support the implementation of the HACCP concepts from production through to presentation
- Very high resistance to switching loads
- High luminous flux for sophisticated lighting tasks

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+50°C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{in} W			W	lm	lm/W	K		CRI	t _h			
LED TUBE T8 EM ULTRA OUTPUT S 1200 mm 14W 830	4099854037092	36	G13	1212	14	2340	167	3000	> 190	80	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1200 mm 14W 840	4099854037115	36	G13	1212	14	2600	185	4000	> 190	80	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1200 mm 14W 940	4099854037290	36	G13	1212	14	2600	185	4000	> 190	90	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1200 mm 14W 850	4099854037177	36	G13	1212	14	2600	185	5000	> 190	80	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1200 mm 14W 865	4099854037191	36	G13	1212	14	2600	185	6500	> 190	80	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1500 mm 22.2W 830	4099854037214	58	G13	1513	22.2	3690	166	3000	> 190	80	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1500 mm 22.1W 840	4099854037238	58	G13	1513	22.1	4100	184	4000	> 190	80	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1500 mm 22.1W 940	4099854037313	58	G13	1513	22.1	4100	184	4000	> 190	90	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1500 mm 22.1W 850	4099854037252	58	G13	1513	22.1	4100	184	5000	> 190	80	75000		10	1
LED TUBE T8 EM ULTRA OUTPUT S 1500 mm 22.1W 865	4099854037276	58	G13	1513	22.1	4100	184	6500	> 190	80	75000		10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 EM S^{1,2}

SUPERIOR CLASS

High performance LED tubes for electromagnetic control gears (CCG), shatterproof



1



3

PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Lamp tube made of glass with shatter protection e.g. for food industry applications
- ENEC 10 VDE mark

PRODUCT BENEFITS

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- Support the implementation of the HACCP concepts from production through to presentation
- Very high resistance to switching loads
- Quick, simple and safe replacement without rewiring

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+50°C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{LED}			W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T8 EM S 438 mm 5.1W 830	4099854037337	15	G13	450	5.1	810	158	3000	> 190	80	75000		10	1
LED TUBE T8 EM S 438 mm 5.1W 840	4099854037351	15	G13	450	5.1	900	176	4000	> 190	80	75000		10	1
LED TUBE T8 EM S 438 5 mm 1W 865	4099854037375	15	G13	450	5.1	900	176	6500	> 190	80	75000		10	1
LED TUBE T8 EM S 600 mm 6.3W 830	4099854037399	18	G13	603	6.3	990	157	3000	> 190	80	75000		10	1
LED TUBE T8 EM S 600 mm 6.3W 840	4099854037412	18	G13	603	6.3	1100	174	4000	> 190	80	75000		10	1
LED TUBE T8 EM S 600 mm 6.3W 865	4099854037436	18	G13	603	6.3	1100	174	6500	> 190	80	75000		10	1
LED TUBE T8 EM S 900 mm 9.7W 830	4099854037450	30	G13	908	9.7	1530	157	3000	> 190	80	75000		10	1
LED TUBE T8 EM S 900 mm 9.7W 840	4099854037474	30	G13	908	9.7	1700	175	4000	> 190	80	75000		10	1
LED TUBE T8 EM S 900 mm 9.7W 865	4099854037498	30	G13	908	9.7	1700	175	6500	> 190	80	75000		10	1
LED TUBE T8 EM S 1050 mm 11.4W 830	4099854037511	38	G13	1060	11.4	1800	157	3000	> 190	80	75000		10	1
LED TUBE T8 EM S 1050 mm 11.4W 840	4099854037535	38	G13	1060	11.4	2000	175	4000	> 190	80	75000		10	1
LED TUBE T8 EM S 1050 mm 11.4W 865	4099854037559	38	G13	1060	11.4	2000	175	6500	> 190	80	75000		10	1
LED TUBE T8 EM S 1200 mm 12W 830	4099854037573	36	G13	1212	12	1890	157	3000	> 190	80	75000		10	1
LED TUBE T8 EM S 1200 mm 12W 840	4099854037597	36	G13	1212	12	2100	175	4000	> 190	80	75000		10	1
LED TUBE T8 EM S 1200 mm 12W 865	4099854037610	36	G13	1212	12	2100	175	6500	> 190	80	75000		10	1
LED TUBE T8 EM S 1500 mm 17.7W 830	4099854037634	58	G13	1513	17.7	2790	157	3000	> 190	80	75000		10	1
LED TUBE T8 EM S 1500 mm 17.7W 840	4099854037658	58	G13	1513	17.7	3100	175	4000	> 190	80	75000		10	1
LED TUBE T8 EM S 1500 mm 17.7W 865	4099854037672	58	G13	1513	17.7	3100	175	6500	> 190	80	75000		10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 EM ULTRA OUTPUT P^{1,2}

PERFORMANCE CLASS

LED tubes for electromagnetic control gear (CCG), shatterproof



1



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Low flicker according to EU 2019-2020 ($SVM \leq 0,4$ / $PstLM \leq 1$)
- Lamp tube made of glass with shatter protection e.g. for food industry applications
- For especially uniform illumination

PRODUCT BENEFITS

- No bending thanks to glass tube
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 60 % (compared to T8 fluorescent lamp)
- Very high resistance to switching loads
- High luminous flux for sophisticated lighting tasks

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+50^{\circ}\text{C}$
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{act} W			W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T8 EM ULTRA OUTPUT P 1200 mm 15.6W 830	4099854036774	36	G13	1212	15.6	2250	144	3000	> 190	80	60 000		10	1
LED TUBE T8 EM ULTRA OUTPUT P 1200 mm 15.6W 840	4099854036835	36	G13	1212	15.6	2500	160	4000	> 190	80	60 000		10	1
LED TUBE T8 EM ULTRA OUTPUT P 1200 mm 15.6W 865	4099854036873	36	G13	1212	15.6	2500	160	6500	> 190	80	60 000		10	1
LED TUBE T8 EM ULTRA OUTPUT P 1500 mm 23.1W 830	4099854037016	58	G13	1513	23.1	3330	144	3000	> 190	80	60 000		10	1
LED TUBE T8 EM ULTRA OUTPUT P 1500 mm 23.1W 840	4099854037030	58	G13	1513	23.1	3700	160	4000	> 190	80	60 000		10	1
LED TUBE T8 EM ULTRA OUTPUT P 1500 mm 23.1W 865	4099854037054	58	G13	1513	23.1	3700	160	6500	> 190	80	60 000		10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 EM P^{1,2}

PERFORMANCE CLASS

LED tubes for electromagnetic control gear (CCG), shatterproof



1



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Single and tandem operation on conventional control gear (0.6 m version)
- Lamp tube made of glass with shatter protection e.g. for food industry applications

PRODUCT BENEFITS

- No bending thanks to glass tube
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 66 % (compared to T8 fluorescent lamp)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Very high resistance to switching loads

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+50°C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{LED}	Socket	L (mm)	W	lm	lm/W	K	°C	CRI	t _h ⁴	Energy efficiency class ⁵	RoHS	LEDVANCE logo
LED TUBE T8 EM P 600 mm 7W 830	4099854036958	18	G13	603	7	990	141	3000	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 600 mm 7W 840	4099854036972	18	G13	603	7	1100	157	4000	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 600 mm 7W 865	4099854036996	18	G13	603	7	1100	157	6500	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 1200 mm 13.5W 830	4099854036897	36	G13	1212	13.5	1890	140	3000	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 1200 mm 13.5W 840	4099854036910	36	G13	1212	13.5	2100	155	4000	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 1200 mm 13.5W 865	4099854036934	36	G13	1212	13.5	2100	155	6500	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 1500 mm 20W 830	4099854037078	58	G13	1513	20	2790	139	3000	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 1500 mm 20W 840	4099854037139	58	G13	1513	20	3100	155	4000	> 190	80	60 000	ED	10	1
LED TUBE T8 EM P 1500 mm 20W 865	4099854037153	58	G13	1513	20	3100	155	6500	> 190	80	60 000	ED	10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 EM ULTRA OUTPUT V^{1,2}

VALUE
CLASS

Economic LED tubes for electromagnetic control gears (CCG)



1



3

PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Low flicker according to EU 2019-2020 ($SVM \leq 0,4$ / $PstLM \leq 1$)
- Tube made of glass
- High luminous flux for sophisticated lighting tasks

PRODUCT BENEFITS

- No bending thanks to glass tube
- Energy savings of up to 50 % (compared to T8 fluorescent lamp)
- Quick, simple and safe replacement without rewiring
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Very high resistance to switching loads

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^{\circ}\text{C}$
- Corridors, stairways, parking garages
- Industry
- Warehouses
- Cooling and storage rooms

Product name	GTIN (EAN)	W _{LED}			W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T8 EM ULTRA OUTPUT V 1200 mm 20W 830	4099854038327	36	G13	1213	20	2160	108	3000	> 190	80	30 000		10	1
LED TUBE T8 EM ULTRA OUTPUT V 1200 mm 20W 840	4099854038402	36	G13	1213	20	2400	120	4000	> 190	80	30 000		10	1
LED TUBE T8 EM ULTRA OUTPUT V 1200 mm 20W 865	4099854038525	36	G13	1213	20	2400	120	6500	> 190	80	30 000		10	1
LED TUBE T8 EM ULTRA OUTPUT V 1500 mm 29W 830	4099854038624	58	G13	1514	29	3150	108	3000	> 190	80	30 000		10	1
LED TUBE T8 EM ULTRA OUTPUT V 1500 mm 29W 840	4099854038662	58	G13	1514	29	3500	120	4000	> 190	80	30 000		10	1
LED TUBE T8 EM ULTRA OUTPUT V 1500 mm 29W 865	4099854038747	58	G13	1514	29	3500	120	6500	> 190	80	30 000		10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 EM V^{1,2}

VALUE
CLASS

Economic LED tubes for electromagnetic control gears (CCG)



1



3

PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Single and tandem operation on conventional control gear (≤ 0.9 m versions)
- Tube made of glass

PRODUCT BENEFITS

- No bending thanks to glass tube
- Energy savings of up to 69 % (compared to T8 fluorescent lamp)
- Quick, simple and safe replacement without rewiring
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Very high resistance to switching loads

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Corridors, stairways, parking garages
- Industry
- Warehouses
- Cooling and storage rooms

Product name	GTIN (EAN)	W/W	G13	451	5.4	585	108	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 438 mm 5.4W 830	4099854038907	15	G13	451	5.4	585	108	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 438 mm 5.4W 840	4099854038921	15	G13	451	5.4	650	120	4000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 438 mm 5.4W 865	4099854038945	15	G13	451	5.4	650	120	6500	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 600 mm 6.6W 830	4099854038969	18	G13	604	6.6	720	109	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 600 mm 6.6W 840	4099854038983	18	G13	604	6.6	800	121	4000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 600 mm 6.6W 865	4099854039003	18	G13	604	6.6	800	121	6500	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 720 mm 7W 830	4099854039027	16	G13	734	7	765	109	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 720 mm 7W 840	4099854039041	16	G13	734	7	850	121	4000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 720 mm 7W 865	4099854039065	16	G13	734	7	850	121	6500	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 900 mm 10W 830	4099854039102	30	G13	908	10	1080	108	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 900 mm 10W 840	4099854039126	30	G13	908	10	1200	120	4000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 900 mm 10W 865	4099854039164	30	G13	908	10	1200	120	6500	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1050 mm 11.6W 830	4099854039201	38	G13	1061	11.6	1260	108	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1050 mm 11.6W 840	4099854039249	38	G13	1061	11.6	1400	120	4000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1050 mm 11.6W 865	4099854038488	38	G13	1061	11.6	1400	120	6500	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1200 mm 15W 830	4099854038143	36	G13	1213	15	1620	108	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1200 mm 15W 840	4099854038167	36	G13	1213	15	1800	120	4000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1200 mm 15W 865	4099854038181	36	G13	1213	15	1800	120	6500	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1500 mm 18.3W 830	4099854038204	58	G13	1514	18.3	2000	109	3000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1500 mm 18.3W 840	4099854038228	58	G13	1514	18.3	2200	120	4000	> 190	80	30000	LEDVANCE	10	1
LED TUBE T8 EM V 1500 mm 18.3W 865	4099854038242	58	G13	1514	18.3	2200	120	6500	> 190	80	30000	LEDVANCE	10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 EM MOTION SENSOR P^{1,2}

PERFORMANCE CLASS

LED tubes with integrated microwave sensor for electromagnetic control gears (CCG), shatterproof



1



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Integrated microwave sensor with motion detection
- Automatic dimming to 20 % light output after 5 minutes without motion detection
- Automatic light switch off 7 minutes after the last motion detection
- Microwave sensor with 5,8 GHz

PRODUCT BENEFITS

- Energy savings of up to 67 % compared to conventional fluorescent lamp
- Suitable for closed luminaires thanks to microwave technology
- Very high resistance to switching loads
- Quick, simple and safe replacement of fluorescent lamps without rewiring the CCG
- No bending thanks to glass tube

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+50°C
- Corridors, stairways, parking garages
- Warehouses
- Walkways and corridors
- Logistics areas, transport facilities and corridors

Product name	GTIN (EAN)	W±W	Socket	Length [mm]	W	lm	lm/W	K	Beam angle	CRI	t _h ⁴	Energy efficiency class ⁵	Box	No.
LED TUBE T8 EM MOTION SENSOR P 600 mm 6.8W 840	4099854044472	18	G13	603	6.8	1100	161	4000	> 190	80	60 000	EEC	10	1
LED TUBE T8 EM MOTION SENSOR P 1200 mm 13.1W 840	4099854044960	36	G13	1212	13.1	2100	160	4000	> 190	80	60 000	EEC	10	1
LED TUBE T8 EM MOTION SENSOR P 1500 mm 19.3W 840	4099854045066	58	G13	1513	19.3	3100	160	4000	> 190	80	60 000	EEC	10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Recommended maximum mounting height: 5 m.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 EM FOOD P^{1,2}

PERFORMANCE CLASS

LED tubes for electromagnetic control gears (CCG), shatterproof, for food presentation



1



3

PRODUCT FEATURES

- Specially tailored spectral distribution (comparable to T8 FL NATURA 76)
- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Lamp tube made of glass with shatter protection e.g. for food industry applications
- ENEC 10 VDE mark
- Type of protection: IP20

PRODUCT BENEFITS

- Food looks fresh and appetizing without unduly “beautifying” it
- Quick, simple and safe replacement of fluorescent lamps without rewiring the CCG
- Energy savings of up to 74 % (compared to T8 fluorescent lamp)
- Shatter protection thanks to special PET coating
- Support the implementation of the HACCP concepts from production through to presentation

AREAS OF APPLICATION

- Food presentation in e.g. butchers, bakeries, supermarkets or meat processors
- Suitable for ambient temperatures of -20 to +50° C

Product name	GTIN (EAN)												
LED TUBE T8 EM FOOD P 600 mm 5.2W 833	4099854 044793	18	G13	603	5.2	500	96	3300	> 190	80	60 000	10	1
LED TUBE T8 EM FOOD P 900 mm 7.9W 833	4099854 045226	30	G13	908	7.9	750	94	3300	> 190	80	60 000	10	1
LED TUBE T8 EM FOOD P 1200 mm 11.6W 833	4099854 045004	36	G13	1212	11.6	1100	94	3300	> 190	80	60 000	10	1
LED TUBE T8 EM FOOD P 1500 mm 17.9W 833	4099854 045127	58	G13	1513	17.9	1700	94	3300	> 190	80	60 000	10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁵ L70/B50

LED TUBE T8 EM CONNECTED P¹

PERFORMANCE CLASS

LED tube for electromagnetic control gears works with Connected Sensors



1



2

PRODUCT FEATURES

- Network protocol: ZigBee 3.0 (2.4 GHz mesh network)
- LED TUBE T8 EM Connected can be only operated with LEDVANCE Connected Sensor

PRODUCT BENEFITS

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- Short payback period thanks to low energy consumption and maintenance costs

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+50°C
- Parking lots, warehouses, production areas
- Industry
- Offices

Product name	GTIN (EAN)													
LED TUBE T8 EM CON P 600 mm 7.5W 840	4058075823938	18	G13	603	7.5	1100	146	4000	160	80	50 000		10	1
LED TUBE T8 EM CON P 600 mm 7.5W 865	4058075823952	18	G13	603	7.5	1100	146	6500	160	80	50 000		10	1
LED TUBE T8 EM CON P 1200 mm 16W 840	4058075823976	36	G13	1 213	16	2400	150	4000	160	80	50 000		10	1
LED TUBE T8 EM CON P 1200 mm 16W 865	4058075823990	36	G13	1 213	16	2400	150	6500	160	80	50 000		10	1
LED TUBE T8 EM CON P 1500 mm 24W 840	4058075824010	58	G13	1 513	24	3600	150	4000	160	80	50 000		10	1
LED TUBE T8 EM CON P 1500 mm 24W 865	4058075824034	58	G13	1 513	24	3600	150	6500	160	80	50 000		10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Connected Sensor Low Bay and High Bay

Sensor for LED Connected TUBE

Connected Sensor Remote

Connected Sensor Remote for LEDVANCE Connected Sensor HB and LB



1



2



Connected Sensor Low Bay and High Bay

PRODUCT FEATURES

- Wireless smart PIR motion sensor
- Connected Sensor LB: mounting height up to 4m
- Connected Sensor HB: mounting height up to 4...14m
- Two step dimming: 20 % and 100 % light output
- Network protocol: ZigBee 3.0 (2.4 GHz mesh network)
- Connected tube can be only operated with Connected sensor

PRODUCT BENEFITS

- Multiple sensors can be networked
- Control of compatible products without Internet connection or smart devices
- Easy to install and use

AREAS OF APPLICATION

- For indoor use only (IP54)
- Passive infra red sensor for ambient temperatures between -20 and +50°C
- Parking lots, warehouses, production areas, stairways
- Industry
- Offices

Product name	GTIN (EAN)	INFRARED	L × W × H [mm]	°	IP	V _{DC}	t _h ¹	kHz ECG	Icons	No.
Connected Sensor ST8 LB	4058075232969	Passive infrared (PIR)	126x65	360	IP54	220.0...240	50 000	50	27	1
Connected Sensor ST8 HB	4058075232983	Passive infrared (PIR)	126x65	180	IP54	220.0...240	50 000	50	27	1

Connected Sensor Remote

PRODUCT FEATURES

- Compatible with LEDVANCE Connected Sensor HB and LB (Gen 2)
- Battery included (Lithium, 3 V)

PRODUCT BENEFITS

- LEDVANCE Connected sensor remote control for easy installation
- 3 years guarantee

Product name	GTIN (EAN)	L × W × H [mm]	°	Icons	No.
CONNECTED SENSOR REMOTE	4058075374034	58x94x8	15	10	2

¹ Refer to www.ledvance.com/guarantee for precise conditions | ² 4058075374034 | ³ L70/B50

LED TUBE T8 EM STARTER¹

Starter for LED TUBE T8 EM (CCG)



1

PRODUCT FEATURES

- Substitute starter for the replacement of a fluorescent lamp with a T8 EM LED tube
- Suitable for operation with low loss or conventional control gear

AREAS OF APPLICATION

- Not suitable for operation with electronic control gears

Product name	GTIN (EAN)			
LED TUBE T8 EM STARTER	4099854067150	40	20	1

¹ Protection class: IP20

LED TUBE T8 UNIVERSAL ULTRA OUTPUT P^{1,2}

PERFORMANCE CLASS

LED tubes for electronic control gears (ECG), electromagnetic control gears (CCG) and mains, shatterproof



1



PDF ECG compatibility list

TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG, ECG luminaires or on AC mains
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Lamp tube made of glass with shatter protection

PRODUCT BENEFITS

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 60 % (compared to T8 fluorescent lamp)
- Very high resistance to switching loads
- High luminous flux for sophisticated lighting tasks

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{gW}	Socket	L (mm)	W	lm	lm/W	K	Beam angle	CRI	t _h	Energy efficiency class	RoHS	No.
LED TUBE T8 UNIVERSAL ULTRA OUTPUT P 1200 mm 15W 840	4099854026294	36	G13	1211	15	2400	160	4000	190	80	60 000	EC	10	1
LED TUBE T8 UNIVERSAL ULTRA OUTPUT P 1200 mm 15W 865	4099854026331	36	G13	1211	15	2400	160	6500	190	80	60 000	EC	10	1
LED TUBE T8 UNIVERSAL ULTRA OUTPUT P 1500 mm 23W 840	4099854026577	58	G13	1513	23	3700	160	4000	190	80	60 000	EC	10	1
LED TUBE T8 UNIVERSAL ULTRA OUTPUT P 1500 mm 23W 865	4099854026591	58	G13	1513	23	3700	160	6500	190	80	60 000	EC	10	1

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

For operation of LED TUBE T8 UN with a conventional control gear, the existing starter must be exchanged with the including LED starter in the LED tube packaging.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 UNIVERSAL P^{1,2}

LED tubes for electronic control gears (ECG), electromagnetic control gears (CCG) and mains, shatterproof



1

PERFORM-
MANCE
CLASS

PDF ECG compatibility list

TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG, ECG luminaires or on AC mains
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage
- Low flicker according to EU 2019-2020 ($SVM \leq 0,4$ / $PstLM \leq 1$)
- Lamp tube made of glass with shatter protection

PRODUCT BENEFITS

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 66 % (compared to T8 fluorescent lamp)
- Very high resistance to switching loads
- High luminous flux for sophisticated lighting tasks

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^{\circ}\text{C}$
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{gW}			W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T8 UNIVERSAL P 600 mm 7.5W 830	4099854026119	18	G13	603	7.5	1100	146	3000	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 600 mm 7.5W 840	4099854026157	18	G13	603	7.5	1100	146	4000	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 600 mm 7.5W 865	4099854026218	18	G13	603	7.5	1000	133	6500	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 1200 mm 14W 830	4099854026492	36	G13	1211	14	1900	135	3000	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 1200 mm 14W 840	4099854026393	36	G13	1211	14	2100	150	4000	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 1200 mm 14W 865	4099854026430	36	G13	1211	14	2100	150	6500	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 1500 mm 20W 830	4099854026652	58	G13	1513	20	2800	140	3000	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 1500 mm 20W 840	4099854026614	58	G13	1513	20	3100	155	4000	190	80	60 000		10	1
LED TUBE T8 UNIVERSAL P 1500 mm 20W 865	4099854026638	58	G13	1513	20	3100	155	6500	190	80	60 000		10	1

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

For operation of LED TUBE T8 UN with a conventional control gear, the existing starter must be exchanged with the including LED starter in the LED tube packaging.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 UNIVERSAL V^{1,2}

VALUE
CLASS

LED tubes for electronic control gears (ECG), electromagnetic control gears (CCG) and mains



1



PDF ECG compatibility list

TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG, ECG luminaires or on AC mains
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage
- Low flicker according to EU 2019-2020 ($SVM \leq 0,4$ / $PstLM \leq 1$)
- Tube made of glass

PRODUCT BENEFITS

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 59 % (compared to T8 fluorescent lamp)
- Very high resistance to switching loads
- Also suitable for operation at low temperatures

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^{\circ}\text{C}$
- Corridors, stairways, parking garages
- Industry
- Warehouses
- Cooling and storage rooms

Product name	GTIN (EAN)	W _{GE}			W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T8 UNIVERSAL V 600 mm 8W 830	4099854026515	18	G13	603	8	800	100	3000	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 600 mm 8W 840	4099854026539	18	G13	603	8	900	112	4000	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 600 mm 8W 865	4099854026553	18	G13	603	8	900	112	6500	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 1200 mm 18W 830	4099854026317	36	G13	1 211	18	1 850	102	3000	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 1200 mm 18W 840	4099854026355	36	G13	1 211	18	2 000	111	4000	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 1200 mm 18W 865	4099854026379	36	G13	1 211	18	2 000	111	6500	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 1500 mm 24W 830	4099854026416	58	G13	1 513	24	2 550	106	3000	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 1500 mm 24W 840	4099854026454	58	G13	1 513	24	2 800	116	4000	190	80	30 000		10	1
LED TUBE T8 UNIVERSAL V 1500 mm 24W 865	4099854026478	58	G13	1 513	24	2 800	116	6500	190	80	30 000		10	1

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

For operation of LED TUBE T8 UN with a conventional control gear, the existing starter must be exchanged with the including LED starter in the LED tube packaging.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 HF ULTRA OUTPUT P^{1,2}

PERFORMANCE CLASS

LED tubes for electronic high frequency control gears (ECG), shatterproof



1



PDF ECG compatibility list

TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in ECG luminaires
- Compatible with many common electronic control gears (see also compatibility list)
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Lamp tube made of glass with shatter protection

PRODUCT BENEFITS

- No bending thanks to glass tube
- Shatter protection thanks to special PET coating
- Very high resistance to switching loads
- High luminous flux for sophisticated lighting tasks
- Quick, simple and safe replacement without rewiring

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{LED}	Socket	Length (mm)	W	lm	lm/W	K	°C	CRI	t _h ⁴	Energy efficiency class ⁵	RoHS	Light No.
LED TUBE T8 HF ULTRA OUTPUT P 1200 mm 15W 840	4099854026133	36	G13	1211	15	2400	160	4000	190	80	75000	ED	10	1
LED TUBE T8 HF ULTRA OUTPUT P 1200 mm 15W 865	4099854026171	36	G13	1211	15	2400	160	6500	190	80	75000	ED	10	1
LED TUBE T8 HF ULTRA OUTPUT P 1500 mm 23W 840	4099854026195	58	G13	1513	23	3700	160	4000	190	80	75000	ED	10	1
LED TUBE T8 HF ULTRA OUTPUT P 1500 mm 23W 865	4099854026232	58	G13	1513	23	3700	160	6500	190	80	75000	ED	10	1

SAFETY ADVICE

Not suitable for operation with low-loss and conventional control gears and main voltage.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 HF P^{1,2}

PERFORM-
MANCE
CLASS

LED tubes for electronic high frequency control gears (ECG), shatterproof



1



PDF ECG compatibility list

TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder



PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in ECG luminaires
- Compatible with many common electronic control gears (see also compatibility list)
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Lamp tube made of glass with shatter protection

PRODUCT BENEFITS

- No bending thanks to glass tube
- Shatter protection thanks to special PET coating
- Very high resistance to switching loads
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 66 % (compared to T8 fluorescent lamp)

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{in} W	Socket	Length (mm)	W	lm	lm/W	K	°C	CRI	t _h	Energy efficiency class	RoHS	LEDVANCE
LED TUBE T8 HF P 600 mm 7.5W 830	4099854026058	18	G13	603	7.5	1000	133	3000	190	80	75000	E	10	1
LED TUBE T8 HF P 600 mm 7.5W 840	4099854026072	18	G13	603	7.5	1100	146	4000	190	80	75000	D	10	1
LED TUBE T8 HF P 600 mm 7.5W 865	4099854026096	18	G13	603	7.5	1100	146	6500	190	80	75000	D	10	1
LED TUBE T8 HF P 1200 mm 14W 830	4099854025914	36	G13	1211	14	1900	135	3000	190	80	75000	E	10	1
LED TUBE T8 HF P 1200 mm 14W 840	4099854025938	36	G13	1211	14	2100	150	4000	190	80	75000	D	10	1
LED TUBE T8 HF P 1200 mm 14W 865	4099854025952	36	G13	1211	14	2100	150	6500	190	80	75000	D	10	1
LED TUBE T8 HF P 1500 mm 20W 830	4099854025976	58	G13	1513	20	2800	140	3000	190	80	75000	E	10	1
LED TUBE T8 HF P 1500 mm 20W 840	4099854025990	58	G13	1513	20	3100	155	4000	190	80	75000	D	10	1
LED TUBE T8 HF P 1500 mm 20W 865	4099854026010	58	G13	1513	20	3100	155	6500	190	80	75000	D	10	1

SAFETY ADVICE

Not suitable for operation with low-loss and conventional control gears and main voltage.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T8 HF V^{1,2}

VALUE
CLASS

Economic LED tubes for electronic high frequency control gears (ECG)



1



PDF ECG compatibility list



TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder



3

PRODUCT FEATURES

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in ECG luminaires
- Compatible with many common electronic control gears (see also compatibility list)
- Low flicker according to EU 2019-2020 (SVM ≤ 0,4 / PstLM ≤ 1)
- Tube made of glass

PRODUCT BENEFITS

- No bending thanks to glass tube
- Energy savings of up to 56 % (compared to T8 fluorescent lamp)
- Quick, simple and safe replacement without rewiring
- Very high resistance to switching loads
- Also suitable for operation at low temperatures

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Corridors, stairways, parking garages
- Industry
- Warehouses
- Cooling and storage rooms

Product name	GTIN (EAN)	W _{LED}	Socket	Length (mm)	W	lm	lm/W	K	°C	CRI	t _h ⁴	Energy efficiency class ⁵	RoHS	Light bulb icon
LED TUBE T8 HF V 600 mm 8W 840	4099854026256	18	G13	603	8	900	112	4 000	190	80	30 000		10	1
LED TUBE T8 HF V 600 mm 8W 865	4099854026270	18	G13	603	8	900	112	6 500	190	80	30 000		10	1

SAFETY ADVICE

Not suitable for operation with low-loss and conventional control gears and main voltage.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T5 HF P^{1,2}

LED tubes for electronic high frequency control gears



1



PDF ECG compatibility list

TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder

PERFORM-
ANCE
CLASS

PRODUCT FEATURES

- Retrofit replacement of existing T5 lamps on HF ballast installations
- Lamp tube made of glass with shatter protection e.g. for food industry applications
- High colour consistency: ≤ 5 SDCM
- Lifetime: up to 50,000 h

PRODUCT BENEFITS

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- High luminous flux for sophisticated lighting tasks
- Also suitable for operation at low temperatures

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^{\circ}\text{C}$
- Offices, public buildings
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _W		L (mm)	W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T5 HF HE14 P 549 mm 7W 830	4099854029448	14	G5	549	7	900	128	3000	190	80	50 000		10	1
LED TUBE T5 HF HE14 P 549 mm 7W 840	4099854029462	14	G5	549	7	1000	142	4000	190	80	50 000		10	1
LED TUBE T5 HF HE14 P 549 mm 7W 865	4099854029486	14	G5	549	7	1000	142	6500	190	80	50 000		10	1
LED TUBE T5 HF HE21 P 849 mm 10W 830	4099854029387	21	G5	849	10	1350	135	3000	190	80	50 000		10	1
LED TUBE T5 HF HE21 P 849 mm 10W 840	4099854029400	21	G5	849	10	1500	150	4000	190	80	50 000		10	1
LED TUBE T5 HF HE21 P 849 mm 10W 865	4099854029424	21	G5	849	10	1500	150	6500	190	80	50 000		10	1
LED TUBE T5 HF HE28 P 1149 mm 16W 830	4099854029325	28	G5	1149	16	2160	135	3000	190	80	50 000		10	1
LED TUBE T5 HF HE28 P 1149 mm 16W 840	4099854029349	28	G5	1149	16	2400	150	4000	190	80	50 000		10	1
LED TUBE T5 HF HE28 P 1149 mm 16W 865	4099854029363	28	G5	1149	16	2400	150	6500	190	80	50 000		10	1
LED TUBE T5 HF HE35 P 1449 mm 18W 830	4099854029172	35	G5	1449	18	2550	141	3000	190	80	50 000		10	1
LED TUBE T5 HF HE35 P 1449 mm 18W 840	4099854029196	35	G5	1449	18	2800	155	4000	190	80	50 000		10	1
LED TUBE T5 HF HE35 P 1449 mm 18W 865	4099854029219	35	G5	1449	18	2800	155	6500	190	80	50 000		10	1
LED TUBE T5 HF H049 P 1449 mm 26W 830	4099854029110	49	G5	1449	26	3600	138	3000	190	80	50 000		10	1
LED TUBE T5 HF H049 P 1449 mm 26W 840	4099854029134	49	G5	1449	26	4000	153	4000	190	80	50 000		10	1
LED TUBE T5 HF H049 P 1449 mm 26W 865	4099854029158	49	G5	1449	26	4000	153	6500	190	80	50 000		10	1
LED TUBE T5 HF H054 P 1149 mm 26W 830	4099854029257	54	G5	1149	26	3600	138	3000	190	80	50 000		10	1
LED TUBE T5 HF H054 P 1149 mm 26W 840	4099854029271	54	G5	1149	26	4000	153	4000	190	80	50 000		10	1
LED TUBE T5 HF H054 P 1149 mm 26W 865	4099854029301	54	G5	1149	26	4000	153	6500	190	80	50 000		10	1
LED TUBE T5 HF H080 P 1449 mm 36W 830	4099854029059	80	G5	1449	36	5050	140	3000	190	80	50 000		10	1
LED TUBE T5 HF H080 P 1449 mm 36W 840	4099854029073	80	G5	1449	36	5600	155	4000	190	80	50 000		10	1
LED TUBE T5 HF H080 P 1449 mm 36W 865	4099854029097	80	G5	1449	36	5600	155	6500	190	80	50 000		10	1

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max emperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T5 AC MAINS P^{1,2}

LED tubes for operation on AC mains connection

PERFORMANCE CLASS



1



PRODUCT FEATURES

- LED replacement for T5 fluorescent lamps with G5 base on AC mains
- Lamp tube made of glass with shatter protection e.g. for food industry applications
- High colour consistency: ≤ 5 SDCM
- Lifetime: up to 50,000 h

PRODUCT BENEFITS

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- High luminous flux for sophisticated lighting tasks

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^{\circ}\text{C}$
- Offices, public buildings
- Supermarkets and department stores
- Industry

Product name	GTIN (EAN)	W _{LED}			W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T5 AC HE14 P 549 mm 7W 830	4058075824416	14	G5	549	7	900	128	3000	190	80	50 000		10	1
LED TUBE T5 AC HE14 P 549 mm 7W 840	4058075824430	14	G5	549	7	1000	142	4000	190	80	50 000		10	1
LED TUBE T5 AC HE14 P 549 mm 7W 865	4058075824454	14	G5	549	7	1000	142	6500	190	80	50 000		10	1
LED TUBE T5 AC H024 P 549 mm 10W 830	4099854081200	24	G5	549	10	1350	135	3000	160	80	50 000		10	1
LED TUBE T5 AC H024 P 549 mm 10W 840	4099854081224	24	G5	549	10	1500	150	4000	160	80	50 000		10	1
LED TUBE T5 AC H024 P 549 mm 10W 865	4099854081248	24	G5	549	10	1500	150	6500	160	80	50 000		10	1
LED TUBE T5 AC HE21 P 849 mm 10W 830	4058075824355	21	G5	849	10	1350	135	3000	190	80	50 000		10	1
LED TUBE T5 AC HE21 P 849 mm 10W 840	4058075824379	21	G5	849	10	1500	150	4000	190	80	50 000		10	1
LED TUBE T5 AC HE21 P 849 mm 10W 865	4058075824393	21	G5	849	10	1500	150	6500	190	80	50 000		10	1
LED TUBE T5 AC H039 P 849 mm 16W 830	4099854081149	39	G5	849	16	2160	135	3000	160	80	50 000		10	1
LED TUBE T5 AC H039 P 849 mm 16W 840	4099854081163	39	G5	849	16	2400	150	4000	160	80	50 000		10	1
LED TUBE T5 AC H039 P 849 mm 16W 865	4099854081187	39	G5	849	16	2400	150	6500	160	80	50 000		10	1
LED TUBE T5 AC HE28 P 1149 mm 16W 830	4058075824294	28	G5	1149	16	2150	134	3000	190	80	50 000		10	1
LED TUBE T5 AC HE28 P 1149 mm 16W 840	4058075824317	28	G5	1149	16	2400	150	4000	190	80	50 000		10	1
LED TUBE T5 AC HE28 P 1149 mm 16W 865	4058075824331	28	G5	1149	16	2400	150	6500	190	80	50 000		10	1
LED TUBE T5 AC HE35 P 1449 mm 18W 830	4058075824232	35	G5	1449	18	2550	141	3000	190	80	50 000		10	1
LED TUBE T5 AC HE35 P 1449 mm 18W 840	4058075824256	35	G5	1449	18	2800	155	4000	190	80	50 000		10	1
LED TUBE T5 AC HE35 P 1449 mm 18W 865	4058075824270	35	G5	1449	18	2800	155	6500	190	80	50 000		10	1
LED TUBE T5 AC H049 P 1449 mm 26W 830	4058075824171	49	G5	1449	26	3600	138	3000	190	80	50 000		10	1
LED TUBE T5 AC H049 P 1449 mm 26W 840	4058075824195	49	G5	1449	26	4000	153	4000	190	80	50 000		10	1
LED TUBE T5 AC H049 P 1449 mm 26W 865	4058075824218	49	G5	1449	26	4000	153	6500	190	80	50 000		10	1
LED TUBE T5 AC H054 P 1149 mm 26W 830	4058075824119	54	G5	1149	26	3600	138	3000	190	80	50 000		10	1
LED TUBE T5 AC H054 P 1149 mm 26W 840	4058075824133	54	G5	1149	26	4000	153	4000	190	80	50 000		10	1
LED TUBE T5 AC H054 P 1149 mm 26W 865	4058075824157	54	G5	1149	26	4000	153	6500	190	80	50 000		10	1
LED TUBE T5 AC H080 P 1449 mm 36W 830	4058075824058	80	G5	1449	36	5050	140	3000	190	80	50 000		10	1
LED TUBE T5 AC H080 P 1449 mm 36W 840	4058075824072	80	G5	1449	36	5600	155	4000	190	80	50 000		10	1
LED TUBE T5 AC H080 P 1449 mm 36W 865	4058075824096	80	G5	1449	36	5600	155	6500	190	80	50 000		10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T5 HF SHORT V^{1,2}

LED tubes for electronic high frequency control gears



1

VALUE
CLASS

PDF ECG compatibility list



TUBE FINDER Web-app

Compatibility list also online:
ledvance.com/ecg-compatibility
ledvance.com/tubefinder



PRODUCT FEATURES

- Retrofit replacement of existing T5 lamps on HF ballast installations
- Lamp tube made of glass with shatter protection
- High colour consistency: ≤ 5 SDCM
- Lifetime: up to 30,000 h

PRODUCT BENEFITS

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Also suitable for operation at low temperatures
- Please follow all safety advices

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^{\circ}\text{C}$
- Public buildings
- Kitchens
- Under-cabinet lighting

Product name	GTIN (EAN)	W Δ W			W	lm	lm/W	K		CRI	t _h ⁴			
LED TUBE T5 HF L8 SHORT V 288 mm 4W 830	4058075823617	8	G5	288	4	380	95	3000	190	80	30 000		25	1
LED TUBE T5 HF L8 SHORT V 288 mm 4W 840	4058075823631	8	G5	288	4	400	100	4000	190	80	30 000		25	1
LED TUBE T5 HF L13 SHORT V 517 mm 7W 830	4058075823655	13	G5	517	7	770	110	3000	190	80	30 000		25	1
LED TUBE T5 HF L13 SHORT V 517 mm 7W 840	4058075823679	13	G5	517	7	850	121	4000	190	80	30 000		25	1

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max emperature on the product prior to installation.

Not suitable for emergency lighting.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED TUBE T5 EXTERNAL P¹

LED TUBE T5 EXTERNAL for LED DRIVER EXTERNAL

PERFORM-
ANCE
CLASS



1



PRODUCT FEATURES

- Designed for operation with LED DRIVER LED TUBE EXTERNAL DALI
- Lamp tube made of glass with shatter protection

PRODUCT BENEFITS

- Shatter protection thanks to special PET coating
- No bending thanks to glass tube
- Very high resistance to switching loads
- 5 year guarantee

AREAS OF APPLICATION

- Industrial lighting (e.g. manufacturing plants, logistic centres, warehouses)
- Linear lighting for office, education, storage areas and retail
- Shops, supermarkets
- Suitable for indoor SELV installations
- General illumination within ambient temperatures from -20...+50°C

Product name	GTIN (EAN)	W _{LED}	W _{LED}	W _{LED}	W	lm	lm/W	K	°C	CRI	t _h	Energy efficiency class	Energy efficiency class	Energy efficiency class
LED TUBE T5 EXT H054 P 26 W/4000 K 1149 mm ²	4058075730472	54	G5	1 149	26	4 000	153	4 000	180	80	50 000	E D	25	1
LED TUBE T5 EXT H054 P 26 W/6500 K 1149 mm ²	4058075730496	54	G5	1 149	26	4 000	153	6 500	180	80	50 000	E D	25	1
LED TUBE T5 EXT HE35 P 18 W/4000 K 1449 mm ²	4058075730519	35	G5	1 449	18	2 800	155	4 000	180	80	50 000	E D	25	1
LED TUBE T5 EXT HE35 P 18 W/6500 K 1449 mm ²	4058075730533	35	G5	1 449	18	2 800	155	6 500	180	80	50 000	E D	25	1
LED TUBE T5 EXT H049 P 26 W/4000 K 1449 mm ²	4058075730434	49	G5	1 449	26	4 000	153	4 000	180	80	50 000	E D	25	1
LED TUBE T5 EXT H049 P 26 W/6500 K 1449 mm ²	4058075730458	49	G5	1 449	26	4 000	153	6 500	180	80	50 000	E D	25	1
LED TUBE T5 EXT H080 P 37 W/4000 K 1449 mm ²	4058075730410	80	G5	1 449	37	5 600	151	4 000	180	80	50 000	E D	25	1
LED TUBE T5 EXT H080 P 37 W/6500 K 1449 mm ²	4058075730397	80	G5	1 449	37	5 600	151	6 500	180	80	50 000	E D	25	1

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure T_c max emperature on the product prior to installation.

¹ Protection class: IP20 | ² Single sided LED TUBE (one-sided DC input) complying with safety requirement acc. IEC 62776:2014. Safety protection against electrical shock in misuse (ECG/CCG/Mains operation). | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED DRIVER LED TUBE EXTERNAL DALI P¹

PERFOR-
MANCE
CLASS

Constant current LED DRIVER EXTERNAL for LED TUBE EXTERNAL T5/T8 – indoor



EXT

PUSH
DIM

SELV

DALI-2

IP 20

LEDVANCE
5
year
guarantee

PRODUCT FEATURES

- Compatible with LEDVANCE LED TUBE EXTERNAL
- Safety extra-low voltage (SELV) driver
- Advanced applications with DALI light installations
- Lifetime: > 100,000 h (for T_c = 65°C)
- ENEC-certified safety

PRODUCT BENEFITS

- High flexibility due to adjustable output currents via dip switch
- DALI 2.0 interface for dimming and sensor operations
- High-quality dimming of 1...100 %
- Push DIM application for easy control
- Very high resistance to switching loads
- 5 years guarantee

AREAS OF APPLICATION

- Suitable for luminaires of protection class I
- General illumination within ambient temperatures from -20...+50°C
- Linear lighting for office, education, storage areas and retail
- Industrial lighting (e.g. manufacturing plants, logistic centres, warehouses)
- Shops, supermarkets
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J

Product name	GTIN (EAN)					
DR EXT DALI-P -1X15-37W 220-240	4058075730632	286	38.7	100 000	25	1
DR EXT DALI-P -2X15-26W 220-240	4058075730656	360	54	100 000	25	2

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

¹ Protection class: IP20 | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ T_c: 65°C; 10% failure rate

LED TUBE T9 EM V^{1,2}

VALUE
CLASS

Circular LED tube for electromagnetic control gear (CCG) and AC mains



1



3

PRODUCT FEATURES

- LED alternative to classic T9 fluorescent lamps in CCG luminaires
- Uniform illumination
- Lifetime: up to 30,000 h
- Mercury-free and RoHS compliant

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Energy savings of up to 50% (compared to T9 fluorescent lamp)
- Also suitable for operation at low temperatures
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Corridors, stairways, parking garages
- Domestic applications
- Decorative applications

Product name	GTIN (EAN)													
LED TUBE T9 C 22 EM V 11W 830 G10Q	4099854042447	22	G10q	212	11	1200	109	3000	110	80	30 000		10	1
LED TUBE T9 C 22 EM V 11W 840 G10Q	4099854042461	22	G10q	212	11	1320	120	4000	110	80	30 000		10	1
LED TUBE T9 C 22 EM V 11W 865 G10Q	4099854042485	22	G10q	212	11	1320	120	6500	110	80	30 000		10	1
LED TUBE T9 C 32 EM V 18.3W 830 G10Q	4099854042508	32	G10q	300	18.3	2000	109	3000	110	80	30 000		10	1
LED TUBE T9 C 32 EM V 18.3W 840 G10Q	4099854042522	32	G10q	300	18.3	2200	120	4000	110	80	30 000		10	1
LED TUBE T9 C 32 EM V 18.3W 865 G10Q	4099854042546	32	G10q	300	18.3	2200	120	6500	110	80	30 000		10	1
LED TUBE T9 C 40 EM V 24W 840 G10Q	4099854042560	40	G10q	400	24	2900	120	4000	110	80	30 000		10	1
LED TUBE T9 C 40 EM V 24W 865 G10Q	4099854042584	40	G10q	400	24	2900	120	6500	110	80	30 000		10	1

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

HQL LED P¹

PERFORMANCE CLASS

LED replacement for HQL lamps in demanding outdoor applications



PRODUCT FEATURES

- Replacement for HQL: Suitable for operation with conventional control gear (CCG) for HQL or 230 V mains
- Replacement for other HID: Suitable for operation with line voltage without control gear
- Power factor: 0.9
- Type of protection: IP65
- High surge protection: up to 6 kV (L-N)

PRODUCT BENEFITS

- Saves up to 78 % energy when used as replacement for mercury vapor lamps (HQL)
- Low maintenance costs thanks to long lifetime
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Streets
- Area lighting
- Pedestrian zones
- Parks
- Outdoor applications only in suitable luminaires

Product name	GTIN (EAN)	W _W	W	lm	K	CRI	I _{avg}	d _{avg}	α	t _h	Energy efficiency class (EEC)	Number of lamps	Number of lamps
HQL LED P 1800LM 14.5W 827 E27	4099854040603	50	E27	14.5	1800	2700	80	138	56	360	60 000	6	1
HQL LED P 2000LM 14.5W 840 E27	4099854040627	50	E27	14.5	2000	4000	80	138	56	360	60 000	6	1
HQL LED P 2700LM 21.5W 827 E27	4099854040641	80	E27	21.5	2700	2700	80	145	76	360	60 000	6	2
HQL LED P 3000LM 21.5W 840 E27	4099854040665	80	E27	21.5	3000	4000	80	145	76	360	60 000	6	2
HQL LED P 3600LM 29W 827 E27	4099854040689	80	E27	29	3600	2700	80	172	76	360	60 000	6	3
HQL LED P 4000LM 29W 840 E27	4099854040702	80	E27	29	4000	4000	80	172	76	360	60 000	6	3
HQL LED P 5400LM 41W 827 E27	4099854040726	125	E27	41	5400	2700	80	195	80	360	60 000	6	4
HQL LED P 6000LM 41W 840 E27	4099854040740	125	E27	41	6000	4000	80	195	80	360	60 000	6	4
HQL LED P 5400LM 41W 827 E40	4099854040764	125	E40	41	5400	2700	80	202	80	360	60 000	6	5
HQL LED P 6000LM 41W 840 E40	4099854040788	125	E40	41	6000	4000	80	202	80	360	60 000	6	5
HQL LED P 11700LM 90W 827 E40	4099854040801	250	E40	90	11700	2700	80	270	110	360	60 000	6	6
HQL LED P 13000LM 90W 840 E40	4099854040825	250	E40	90	13000	4000	80	270	110	360	60 000	6	6

SAFETY ADVICE

The bulb may be larger and heavier than the replaced bulb. Before installation it must be checked, if the luminaire and especially the holder is capable of carrying the weight of the lamp. If possible, please install the safety rope included in the package containing the lamp for the types 90 W lamps.

Not suitable for operation with ignitors.

Operation on the capacitor can lead to a reduction of the power factor of the system.

When installed horizontally, the t_c point of the lamp is located on the top side of the lamp.

Use in tight luminaires and luminaires with tight reflectors not recommended.

¹ Non-dimmable | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

HQL LED P ACCESSORIES

Accessories for HQL LED lamps



1

PRODUCT FEATURES

- Optional installation for shadowing
- Available for 2000 lm, 3000 lm and 4000 lm HQL LED lamps

PRODUCT BENEFITS

- Support reduction of circadian disruption and improve the residents' life quality
- Very easy to install on lamp and shift to desired direction inside of luminaire

AREAS OF APPLICATION

- Streets, residential areas, pedestrian zones, parks

Product name	GTIN (EAN)				
HQL LED P ACCESSORIES 2000LM LAMP SHADE ¹	4099854040849	90	56	6	1
HQL LED P ACCESSORIES 3000LM LAMP SHADE ²	4099854040863	96	64	6	1
HQL LED P ACCESSORIES 4000LM LAMP SHADE ³	4099854040887	125	64	6	1

SAFETY ADVICE

Only to be used with LEDVANCE HQL LED P lamps.

Use in very tight or narrow luminaires is not recommended as this can shorten the lifetime of the lamp.

¹ Optional accessory for the following HQL LED lamps: HQL LED 1800 14,5W 4099854040603 and HQL LED 2000 14,5W 4099854040627 | ² Optional accessory for the following HQL LED lamps: HQL LED 2700 21,5W 4099854040641 and HQL LED 3000 21,5W 4099854040665 | ³ Optional accessory for the following HQL LED lamps: HQL LED 3600 29W 4099854040689 and HQL LED 4000 29W 4099854040702

HQL LED FIL V¹

VALUE
CLASS

LED replacement for HQL lamps in design-oriented outdoor applications



IP65

CCG

230V



PRODUCT FEATURES

- Replacement for HQL: Suitable for operation with conventional control gear (CCG) for HQL or 230 V mains
- Replacement for other HID: Suitable for operation with line voltage without control gear
- Power factor: 0.9
- Type of protection: IP65
- Surge protection: up to 2 kV (L-N)

PRODUCT BENEFITS

- Same design as traditional HQL lamps with frosted, ellipsoid full glass bulb
- Full use of reflector of existing luminaire thanks to 360 degree beam angle
- Saves up to 78 % energy when used as replacement for mercury vapor lamps (HQL)
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Streets
- Area lighting
- Pedestrian zones
- Parks
- Outdoor applications only in suitable luminaires

Product name	GTIN (EAN)													
HQL LED FIL V 1800LM 13W 827 E27	4099854071737	50	E27	13	1800	2700	80	151	75	360	25 000		6	1
HQL LED FIL V 2000LM 13W 840 E27	4099854071751	50	E27	13	2000	4000	80	151	75	360	25 000		6	1
HQL LED FIL V 2700LM 20W 827 E27	4099854071775	80	E27	20	2700	2700	80	151	75	360	25 000		6	1
HQL LED FIL V 3000LM 20W 840 E27	4099854071799	80	E27	20	3000	4000	80	151	75	360	25 000		6	1
HQL LED FIL V 3600LM 24W 827 E27	4099854071812	80	E27	24	3600	2700	80	217	90	360	25 000		6	2
HQL LED FIL V 4000LM 24W 840 E27	4099854071836	80	E27	24	4000	4000	80	217	90	360	25 000		6	2
HQL LED FIL V 5400LM 38W 827 E27	4099854071850	125	E27	38	5400	2700	80	217	90	360	25 000		6	2
HQL LED FIL V 6000LM 38W 840 E27	4099854071874	125	E27	38	6000	4000	80	217	90	360	25 000		6	2
HQL LED FIL V 5400LM 38W 827 E40	4099854071898	125	E40	38	5400	2700	80	202	90	360	25 000		6	3
HQL LED FIL V 6000LM 38W 840 E40	4099854071911	125	E40	38	6000	4000	80	202	90	360	25 000		6	3
HQL LED FIL V 8100LM 60W 827 E40	4099854071935	250	E40	60	8100	2700	80	260	120	360	25 000		6	4
HQL LED FIL V 9000LM 60W 840 E40	4099854071959	250	E40	60	9000	4000	80	260	120	360	25 000		6	4

SAFETY ADVICE

Not suitable for operation with ignitors.

Operation on the capacitor can lead to a reduction of the power factor of the system.

When installed horizontally, the t_c point of the lamp is located on the top side of the lamp.

Use in tight luminaires and luminaires with tight reflectors not recommended.

Only suitable for temperatures of up to 50°C inside of the luminaire. Use in tight luminaires and luminaires with tight reflectors not recommended.

¹ Non-dimmable | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

NAV LED FIL V¹

VALUE
CLASS

LED replacement for NAV lamps in design-oriented outdoor applications



PRODUCT FEATURES

- Suitable for operation with conventional control gear (CCG) or 230 V AC mains
- Very high efficiency of up to 190 lm/W
- Power factor: 0.9
- Type of protection: IP65
- Surge protection: up to 2 kV (L-N)

PRODUCT BENEFITS

- Same design as traditional NAV lamps with frosted, ellipsoid full glass bulb
- Full use of reflector of existing luminaire thanks to 360 degree beam angle
- Saves up to 78 % energy when used as replacement for sodium vapor lamps (NAV)
- Instant 100 % light, no warm-up time
- Similar light distribution as traditional NAV lamps

AREAS OF APPLICATION

- Streets
- Area lighting
- Pedestrian zones
- Parks
- Outdoor applications only in suitable luminaires

Product name	GTIN (EAN)	W _{in} W	W	lm	K	CRI	I _{avg} [lm]	d _{avg} [mm]	α°	t _h ³	EEC ⁴	RoHS	LEDVANCE No.
NAV 50 LED FIL V 3600LM 21W 727 E27	4099854071973	50	E27	21	3600	2700	70	170	38	360	25 000	6	1
NAV 50 LED FIL V 4000LM 21W 740 E27	4099854071997	50	E27	21	4000	4000	70	170	38	360	25 000	6	1
NAV 70 LED FIL V 5400LM 35W 727 E27	4099854072017	70	E27	35	5400	2700	70	210	38	360	25 000	6	2
NAV 70 LED FIL V 6000LM 35W 740 E27	4099854072031	70	E27	35	6000	4000	70	210	38	360	25 000	6	2
NAV 100 LED FIL V 7000LM 41W 727 E40	4099854072055	100	E40	41	7000	2700	70	225	46	360	25 000	6	3
NAV 100 LED FIL V 7500LM 41W 740 E40	4099854072079	100	E40	41	7500	4000	70	225	46	360	25 000	6	3

SAFETY ADVICE

Not suitable for operation with ignitors.

Operation on the capacitor can lead to a reduction of the power factor of the system.

When installed horizontally, the t_c point of the lamp is located on the top side of the lamp.

Use in tight luminaires and luminaires with tight reflectors not recommended.

Only suitable for temperatures of up to 50°C inside of the luminaire. Use in tight luminaires and luminaires with tight reflectors not recommended.

¹ Non-dimmable | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

HID LED Highbay Universal¹

LED replacement for HID lamps for high-bay luminaires



1



IP 40

CCG
IGNITOR

CCG

230V



2

PRODUCT FEATURES

- Type of protection: IP40
- High surge protection: up to 4 kV (L-N)

PRODUCT BENEFITS

- Direct replacement for traditional HID lamps thanks to CCG and ignitor compatibility
- Operation on AC mains for highest energy efficiency possible
- Energy savings of up to 68 % when replacing traditional HQI lamps
- Effective thermal management for wide operating temperature range
- Low maintenance costs thanks to long lifetime

AREAS OF APPLICATION

- LED alternative for applications requiring a high luminous flux
- Industrial and storage facilities
- Outdoor applications only in suitable luminaires

Product name	GTIN (EAN)	W±W	E	W	lm	K	CRI	L [mm]	Ø d [mm]	°	t _h ³	Energy efficiency class ⁴	Stacking	No.
HID LED Highbay Universal 14000 lm 105 W/4000 K E40	4058075780385	250	E40	105	14 000	4 000	80	263	250	100	50 000	IE	4	1
HID LED Highbay Universal 21000 lm 150 W/4000 K E40	4058075780408	250	E40	150	21 000	4 000	80	263	250	100	50 000	IE	4	1
HID LED Highbay Universal 25000 lm 160 W/4000 K E40	4058075780422	250	E40	160	25 000	4 000	80	263	250	100	50 000	IE	4	1

SAFETY ADVICE

The bulb may be larger and heavier than the replaced bulb. Before installation it must be checked, if the luminaire and especially the holder is capable of carrying the weight of the lamp. Safety sling has to be installed.

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

Only suitable for temperatures of up to 50°C inside of the luminaire.

Not suitable for operation with electronic control gear.

¹ Non-dimmable | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED D EM & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for CFLni with 2-pin G24d base for CCG and AC mains operation



1



3

PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Rotatable base around its longitudinal axis ($\pm 90^\circ$)
- Single-ended two-pin plug-in G24d base

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^\circ\text{C}$
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W _{eq} W		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]	Δ°	t _h ⁴			
DULUX LED D10 EM & AC MAINS V 5W 830 G24D-1	4058075823051	10	G24d-1	5	540	3000	80	110	35	120	30 000		10	1
DULUX LED D10 EM & AC MAINS V 5W 840 G24D-1	4058075823075	10	G24d-1	5	600	4000	80	110	35	120	30 000		10	1
DULUX LED D13 EM & AC MAINS V 6W 830 G24D-1	4058075823099	13	G24d-1	6	600	3000	80	148	35	120	30 000		10	1
DULUX LED D13 EM & AC MAINS V 6W 840 G24D-1	4058075823112	13	G24d-1	6	660	4000	80	148	35	120	30 000		10	1
DULUX LED D18 EM & AC MAINS V 7W 830 G24D-2	4058075823136	18	G24d-2	7	700	3000	80	148	35	120	30 000		10	1
DULUX LED D18 EM & AC MAINS V 7W 840 G24D-2	4058075823150	18	G24d-2	7	770	4000	80	148	35	120	30 000		10	1
DULUX LED D26 EM & AC MAINS V 9W 830 G24D-3	4058075823174	26	G24d-3	9	990	3000	80	171	35	120	30 000		10	1
DULUX LED D26 EM & AC MAINS V 9W 840 G24D-3	4058075823198	26	G24d-3	9	1 100	4000	80	171	35	120	30 000		10	1

SAFETY ADVICE

Not suitable for tandem operation.

The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED D VT EM & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for CFLni with 2-pin G24d base for CCG and AC mains operation



1



3

PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Only suitable for vertical application
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in G24d base

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W _{LED}	Base	W	lm	K	CRI	I _{avg} [lm/W]	φ _d [mm]	Beam angle	t _h [h]	Energy efficiency class	RoHS	LEDVANCE logo
DULUX LED D13 VT EM & AC MAINS V 5.5W 830 G24D	4058075821811	13	G24d	5.5	640	3000	80	103	37.7	120	30 000	EE	10	1
DULUX LED D13 VT EM & AC MAINS V 5.5W 840 G24D	4058075821835	13	G24d	5.5	700	4000	80	103	37.7	120	30 000	EE	10	1
DULUX LED D18 VT EM & AC MAINS V 7.5W 830 G24D	4058075821859	18	G24d	7.5	870	3000	80	117	37.7	120	30 000	EE	10	1
DULUX LED D18 VT EM & AC MAINS V 7.5W 840 G24D	4058075821873	18	G24d	7.5	950	4000	80	117	37.7	120	30 000	EE	10	1
DULUX LED D26 VT EM & AC MAINS V 9.5W 830 G24D	4058075821897	26	G24d	9.5	1080	3000	80	125.5	37.7	120	30 000	EE	10	1
DULUX LED D26 VT EM & AC MAINS V 9.5W 840 G24D	4058075821910	26	G24d	9.5	1200	4000	80	125.5	37.7	120	30 000	EE	10	1

SAFETY ADVICE

Not suitable for tandem operation.

The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED D/E HF & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for CFLni, with 4-pin G24q base for ECG and AC mains operation



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in ECG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Rotatable base around its longitudinal axis ($\pm 90^\circ$)
- Single-ended four-pin plug-in G24q base

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^\circ\text{C}$
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W	W	lm	K	CRI	I (lm)	d (mm)	°	t _h ⁴	5	10	1
DULUX LED D/E13 HF & AC MAINS V 6W 830 G24Q-1	4058075821934	13	G24q-1	6	600	3000	80	142.8	33	120	30 000	10	1
DULUX LED D/E13 HF & AC MAINS V 6W 840 G24Q-1	4058075821958	13	G24q-1	6	660	4000	80	142.8	33	120	30 000	10	1
DULUX LED D/E18 HF & AC MAINS V 7W 830 G24Q-2	4058075821972	18	G24q-2	7	700	3000	80	142.8	33	120	30 000	10	1
DULUX LED D/E18 HF & AC MAINS V 7W 840 G24Q-2	4058075821996	18	G24q-2	7	770	4000	80	142.8	33	120	30 000	10	1
DULUX LED D/E26 HF & AC MAINS V 10W 830 G24Q-3	4058075822016	26	G24q-3	10	990	3000	80	169.8	33	120	30 000	10	2
DULUX LED D/E26 HF & AC MAINS V 10W 840 G24Q-3	4058075822030	26	G24q-3	10	1100	4000	80	169.8	33	120	30 000	10	2

SAFETY ADVICE

Always check the latest update of the compatibility list available on www.ledvance.com/ecg-compatibility.

The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED S EM & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for short CFLni, with 2-pin G23 base for CCG and AC mains operation



PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in G23 base
- Type of protection: IP20

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W _{act}	W _{max}	W	lm	K	CRI	I _{avg} [lm]	d [mm]	α°	t _h [h]	Energy efficiency class (EEC)	RoHS	LEDVANCE No.
DULUX LED S7 EM & AC MAINS V 3.5W 830 G23	4058075822931	7	G23	3.5	360	3000	80	135	32.3	120	30 000	E	10	1
DULUX LED S7 EM & AC MAINS V 3.5W 840 G23	4058075822955	7	G23	3.5	400	4000	80	135	32.3	120	30 000	E	10	1
DULUX LED S9 EM & AC MAINS V 4W 830 G23	4058075822979	9	G23	4	500	3000	80	165	32.3	120	30 000	E	10	2
DULUX LED S9 EM & AC MAINS V 4W 840 G23	4058075822993	9	G23	4	550	4000	80	165	32.3	120	30 000	E	10	2
DULUX LED S11 EM & AC MAINS V 6W 830 G23	4058075823013	11	G23	6	630	3000	80	220	32.3	120	30 000	E	10	3
DULUX LED S11 EM & AC MAINS V 6W 840 G23	4058075823037	11	G23	6	700	4000	80	220	32.3	120	30 000	E	10	3

SAFETY ADVICE

Suitable for tandem operation.

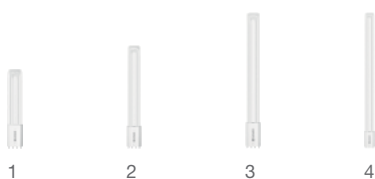
The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED L HF & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for CFLni, with 4-pin 2G11 base for ECG and AC mains operation



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in ECG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Single-ended four-pin plug-in 2G11 base
- Type of protection: IP20

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Not suitable for operation with conventional control gear
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Offices, public buildings
- Shops
- Hotels, restaurants
- Industry

Product name	GTIN (EAN)	W _{in} W	W	lm	K	CRI	I _{avg} [lm]	d _{avg} [mm]	°	t _h ⁴	Energy efficiency class (EEC) ⁵	RoHS	LEDVANCE
DULUX LED L18 HF & AC MAINS V 8W 830 2G11	4058075822054	18	2G11	8	900	3000	80	229.5	44	140	30 000	10	1
DULUX LED L18 HF & AC MAINS V 8W 840 2G11	4058075822078	18	2G11	8	1000	4000	80	229.5	44	140	30 000	10	1
DULUX LED L24 HF & AC MAINS V 12W 830 2G11	4058075822092	24	2G11	12	1350	3000	80	324.5	44	140	30 000	10	2
DULUX LED L24 HF & AC MAINS V 12W 840 2G11	4058075822115	24	2G11	12	1500	4000	80	324.5	44	140	30 000	10	2
DULUX LED L36 HF & AC MAINS V 18W 830 2G11	4058075822139	36	2G11	18	2070	3000	80	416.5	44	140	30 000	10	3
DULUX LED L36 HF & AC MAINS V 18W 840 2G11	4058075822153	36	2G11	18	2300	4000	80	416.5	44	140	30 000	10	3
DULUX LED L55 HF & AC MAINS V 25W 830 2G11	4058075822177	55	2G11	25	2950	3000	80	537	44	140	30 000	10	4
DULUX LED L55 HF & AC MAINS V 25W 840 2G11	4058075822191	55	2G11	25	3250	4000	80	537	44	140	30 000	10	4

SAFETY ADVICE

Always check the latest update of the compatibility list available on www.ledvance.com/ecg-compatibility.

Not suitable for operation with conventional control gear.

The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED F EM & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for flat CFLni with 4-pin 2G10 base for CCG and AC mains operation



1



3

PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Single-ended four-pin plug-in 2G10 base
- Type of protection: IP20

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Not suitable for operation with electronic control gear
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Offices
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W _{act}	Base	W	lm	K	CRI	I _{avg} [lm]	φ _d [mm]	Beam angle	t _h [h]	Energy efficiency class	RoHS	LEDVANCE logo
DULUX LED F18 EM & AC MAINS V 8W 830 2G10	4058075822412	18	2G10	8	900	3000	80	128	89.5	130	30 000	LED	10	1
DULUX LED F18 EM & AC MAINS V 8W 840 2G10	4058075822436	18	2G10	8	1000	4000	80	128	89.5	130	30 000	LED	10	1
DULUX LED F24 EM & AC MAINS V 12W 830 2G10	4058075822450	24	2G10	12	1350	3000	80	169.5	89.5	130	30 000	LED	10	1
DULUX LED F24 EM & AC MAINS V 12W 840 2G10	4058075822474	24	2G10	12	1500	4000	80	169.5	89.5	130	30 000	LED	10	1
DULUX LED F36 EM & AC MAINS V 20W 830 2G10	4058075822498	36	2G10	20	2250	3000	80	221.5	89.5	130	30 000	LED	10	1
DULUX LED F36 EM & AC MAINS V 20W 840 2G10	4058075822511	36	2G10	20	2500	4000	80	221.5	89.5	130	30 000	LED	10	1

SAFETY ADVICE

Not suitable for tandem operation.

The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED T EM & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for CFLni with 2-pin GX24d base for CCG and AC mains operation



1



3

PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Rotatable base around its longitudinal axis ($\pm 90^\circ$)
- Single-ended two-pin plug-in GX24d base

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^\circ\text{C}$
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Δ	t _h	$\frac{l}{d}$	$\frac{d}{d}$	$\frac{l}{d}$
DULUX LED T13 EM & AC MAINS V 6W 830 GX24D-1	4058075823211	13	GX24d-1	6	630	3000	80	132	38	120	30 000	10	1
DULUX LED T13 EM & AC MAINS V 6W 840 GX24D-1	4058075823235	13	GX24d-1	6	700	4000	80	132	38	120	30 000	10	1
DULUX LED T18 EM & AC MAINS V 7W 830 GX24D-2	4058075823259	18	GX24d-2	7	720	3000	80	132	38	120	30 000	10	1
DULUX LED T18 EM & AC MAINS V 7W 840 GX24D-2	4058075823273	18	GX24d-2	7	800	4000	80	132	38	120	30 000	10	1
DULUX LED T26 EM & AC MAINS V 9W 830 GX24D-3	4058075823297	26	GX24d-3	9	1000	3000	80	147	38	120	30 000	10	1
DULUX LED T26 EM & AC MAINS V 9W 840 GX24D-3	4058075823310	26	GX24d-3	9	1100	4000	80	147	38	120	30 000	10	1

SAFETY ADVICE

Not suitable for tandem operation. The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED T/E HF & AC MAINS V^{1,2}

LED replacement for CFLni with 4-pin GX24q base for ECG and AC mains operation



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in ECG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Single-ended four-pin plug-in GX24q base
- Rotatable base around its longitudinal axis ($\pm 90^\circ$)

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+45^\circ\text{C}$
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W _W		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Δ°	t_{in} ⁴			
DULUX LED T/E13 HF & AC MAINS V 6W 830 GX24Q-1	4058075822214	13	GX24q-1	6	630	3000	80	102.8	45	120	30 000		10	1
DULUX LED T/E13 HF & AC MAINS V 6W 840 GX24Q-1	4058075822238	13	GX24q-1	6	700	4000	80	102.8	45	120	30 000		10	1
DULUX LED T/E18 HF & AC MAINS V 7W 830 GX24Q-2	4058075822252	18	GX24q-2	7	720	3000	80	119.8	45	120	30 000		10	2
DULUX LED T/E18 HF & AC MAINS V 7W 840 GX24Q-2	4058075822276	18	GX24q-2	7	800	4000	80	119.8	45	120	30 000		10	2
DULUX LED T/E26 HF & AC MAINS V 10W 830 GX24Q-3	4058075822290	26	GX24q-3	10	990	3000	80	139.8	45	120	30 000		10	3
DULUX LED T/E26 HF & AC MAINS V 10W 840 GX24Q-3	4058075822313	26	GX24q-3	10	1100	4000	80	139.8	45	120	30 000		10	3
DULUX LED T/E32 HF & AC MAINS V 16W 830 GX24Q-3	4058075822337	32	GX24q-3	16	1620	3000	80	154.8	45	120	30 000		10	4
DULUX LED T/E32 HF & AC MAINS V 16W 840 GX24Q-3	4058075822351	32	GX24q-3	16	1800	4000	80	154.8	45	120	30 000		10	4
DULUX LED T/E42 HF & AC MAINS V 20W 830 GX24Q-4	4058075822375	42	GX24q-4	20	2025	3000	80	164.8	45	120	30 000		10	5
DULUX LED T/E42 HF & AC MAINS V 20W 840 GX24Q-4	4058075822399	42	GX24q-4	20	2250	4000	80	164.8	45	120	30 000		10	5

SAFETY ADVICE

Always check the latest update of the compatibility list available on www.ledvance.com/ecg-compatibility.

Not suitable for operation with conventional control gear.

The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DULUX LED SQ EM & AC MAINS V^{1,2}

VALUE
CLASS

LED replacement for CFLni with 2-pin GR8 base for CCG and AC mains operation



1



3

PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in GR8 base
- Type of protection: IP20

PRODUCT BENEFITS

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45°C
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product name	GTIN (EAN)	W _{act}	Base	W	lm	K	CRI	I _{avg} (lm)	Ø _d (mm)	Δ	t _h ⁴	Energy efficiency class ⁵	RoHS	Light bulb icon
DULUX LED SQ16 EM & AC MAINS V 7W 830 GR8	4058075822535	16	GR8	7	720	3000	80	137.1	134	130	30 000	E	10	1
DULUX LED SQ16 EM & AC MAINS V 7W 840 GR8	4058075822559	16	GR8	7	720	3500	80	137.1	134	130	30 000	E	10	1
DULUX LED SQ28 EM & AC MAINS V 13W 830 GR8	4058075822573	28	GR8	13	1350	3000	80	204	202	130	30 000	E	10	1
DULUX LED SQ28 EM & AC MAINS V 13W 835 GR8	4058075822597	28	GR8	13	1350	3500	80	204	202	130	30 000	E	10	1

SAFETY ADVICE

Not suitable for tandem operation.

The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Protection class: IP20 | ² Non-dimmable | ³ Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A/P/B DIM CRI97 S

SUPERIOR
CLASS

Dimmable LED lamps, classic bulb, mini-bulb and candle shape, CRI97

Compatibility list also online:
ledvance.com/compatibility

PRODUCT FEATURES

- High CRI & R9 for a natural lighting experience
- Dimmable
- LED lamps for line voltage
- Beam angle: up to 300°
- Lifetime: up to 15,000 h

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to a halogen lamp
- Very low energy consumption
- Instant 100 % light, no warm-up time
- Low flickering

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product name	GTIN (EAN)	W _{act}	W _{max}	W	lm	K	CRI	l _{avg} [mm]	Ø d [mm]	Light type	t _h ³	Energy efficiency class ⁴	RoHS	No.
CLAS A 40 DIM CRI97 S 4.2W 927 FIL CL E27 ¹	4099854065330	40	E27	4.2	470	2700	97	105	60	Clear	15 000	E	10	1
CLAS A 40 DIM CRI97 S 4.2W 927 FIL FR E27 ¹	4099854065378	40	E27	4.2	470	2700	97	105	60	Frosted	15 000	E	10	2
CLAS A 60 DIM CRI97 S 7.2W 927 FIL CL E27 ¹	4099854065071	60	E27	7.2	806	2700	97	105	60	Clear	15 000	E	10	1
CLAS A 60 DIM CRI97 S 7.2W 927 FIL FR E27 ¹	4099854065231	60	E27	7.2	806	2700	97	105	60	Frosted	15 000	E	10	2
CLAS A 75 DIM CRI97 S 9.5W 927 FIL CL E27 ¹	4099854065170	75	E27	9.5	1 055	2700	97	105	60	Clear	15 000	E	10	3
CLAS A 75 DIM CRI97 S 9.5W 927 FIL FR E27 ¹	4099854065279	75	E27	9.5	1 055	2700	97	105	60	Frosted	15 000	E	10	2
CLAS A 100 DIM CRI97 S 13.8W 927 FIL CL E27 ¹	4099854065217	100	E27	13.8	1 521	2700	97	105	60	Clear	15 000	E	10	3
CLAS A 100 DIM CRI97 S 13.8W 927 FIL FR E27 ¹	4099854065316	100	E27	13.8	1 521	2700	97	105	60	Frosted	15 000	E	10	2
CLAS P 40 DIM CRI97 S 4.2W 927 FIL CL E14 ¹	4099854065750	40	E14	4.2	470	2700	97	77	45	Clear	15 000	E	10	4
CLAS P 40 DIM CRI97 S 4.2W 927 FIL FR E14 ¹	4099854065828	40	E14	4.2	470	2700	97	77	45	Frosted	15 000	E	10	5
CLAS P 40 DIM CRI97 S 4.2W 927 FIL CL E27 ¹	4099854077968	40	E27	4.2	470	2700	97	77	45	Clear	15 000	E	10	6
CLAS B 40 DIM CRI97 S 4.2W 927 FIL CL E14 ¹	4099854065590	40	E14	4.2	470	2700	97	100	35	Clear	15 000	E	10	7
CLAS B 40 DIM CRI97 S 4.2W 927 FIL FR E14 ¹	4099854065613	40	E14	4.2	470	2700	97	100	35	Frosted	15 000	E	10	8

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A/GLOBE AND EDISON ENERGY EFFICIENCY CLASS A S

SUPERIOR CLASS

LED lamps, classic bulb, ball and Edison shape, ENERGY EFFICIENCY CLASS A



LEDVANCE²
5 year guarantee

PRODUCT FEATURES

- LED lamps for line voltage
- Luminous efficacy: up to 210 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles: 500,000

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Very low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W _{in}	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Light bulb icon	t _h ³	Energy efficiency class ⁴	RoHS	No.
CLASSIC A 40 EEL A S 2.2W 830 FIL CL E27 ¹	4099854059995	40	E27	2.2	470	3000	80	105	60	Clear	50 000	A	6	1
CLASSIC A 40 EEL A S 2.2W 830 FIL FR E27 ¹	4099854060090	40	E27	2.2	470	3000	80	105	60	Frosted	50 000	A	6	2
CLASSIC A 60 EEL A S 3.8W 830 FIL CL E27 ¹	4099854059957	60	E27	3.8	806	3000	80	105	60	Clear	50 000	A	6	3
CLASSIC A 60 EEL A S 3.8W 830 FIL FR E27 ¹	4099854060052	60	E27	3.8	806	3000	80	105	60	Frosted	50 000	A	6	2
CLASSIC A 75 EEL A S 5W 830 FIL CL E27 ¹	4099854060113	75	E27	5	1055	3000	80	105	60	Clear	50 000	A	6	4
CLASSIC A 75 EEL A S 5W 830 FIL FR E27 ¹	4099854060151	75	E27	5	1055	3000	80	105	60	Frosted	50 000	A	6	2
CLASSIC A 100 EEL A S 7.2W 830 FIL CL E27 ¹	4099854060199	100	E27	7.2	1521	3000	80	105	60	Clear	50 000	A	6	5
CLASSIC A 100 EEL A S 7.2W 830 FIL FR E27 ¹	4099854060212	100	E27	7.2	1521	3000	80	105	60	Frosted	50 000	A	6	2
CLASSIC GLOBE95 60 EELA S 3.8W 830 FIL CL E27 ¹	4099854060250	60	E27	3.8	806	3000	80	138	95	Clear	50 000	A	6	6
CLASSIC GLOBE95 60 EELA S 3.8W 830 FIL FR E27 ¹	4099854060274	60	E27	3.8	806	3000	80	138	95	Frosted	50 000	A	6	7
CLASSIC EDISON 60 EELA S 3.8W 830 FIL CL E27 ¹	4099854060236	60	E27	3.8	806	3000	80	140	64	Clear	50 000	A	6	8

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC P AND B ENERGY EFFICIENCY B S

SUPERIOR CLASS

LED lamps, classic min-bulb and candle shape, Energy efficiency class B



LEDVANCE
5 year guarantee

PRODUCT FEATURES

- LED lamps for line voltage
- Luminous efficacy: up to 188 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles: 500,000

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Very low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product name	GTIN (EAN)	W _{in} W	W _{in} W	W	lm	K	CRI	I _{avg} [lm]	d [mm]	Light	t _h ³	Energy efficiency class ⁴	Box	No.
CLASSIC P 40 EELB S 2.5W 827 FIL CL E14 ¹	4099854066597	40	E14	2.5	470	2700	80	77	45	Clear	50 000		6	1
CLASSIC P 40 EELB S 2.5W 827 FIL FR E14 ¹	4099854066641	40	E14	2.5	470	2700	80	77	45	Frosted	50 000		6	2
CLASSIC B 40 EELB S 2.5W 827 FIL CL E14 ¹	4058075747821	40	E14	2.5	470	2700	80	100	35	Clear	50 000		6	3
CLASSIC B 40 EELB S 2.5W 827 FIL FR E14 ¹	4099854066467	40	E14	2.5	470	2700	80	100	35	Frosted	50 000		6	4

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A ENERGY EFFICIENCY B DIM S

SUPERIOR CLASS

Dimmable LED lamps, classic bulb shape, Energy efficiency class B



1 2 3



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED lamps for line voltage
- Luminous efficacy: up to 185 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles: 500,000

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Very low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product name	GTIN (EAN)	W _{in} W	E	W	lm	K	CRI	I _{avg} [lm]	d [mm]	Light	t _h ³	Energy efficiency class ⁴	Beam angle	No.
CLASSIC A 40 DIM EELB S 2.6W 827 FIL CL E27 ¹	4099854065880	40	E27	2.6	481	2700	80	105	60	Clear	50 000	A	6	1
CLASSIC A 40 DIM EELB S 2.6W 827 FIL FR E27 ¹	4099854066221	40	E27	2.6	481	2700	80	105	60	Frosted	50 000	A	6	2
CLASSIC A60 DIM EELB S 4.3W 827 FIL CL E27 ¹	4099854065866	60	E27	4.3	806	2700	80	105	60	Clear	50 000	A	6	1
CLASSIC A60 DIM EELB S 4.3W 827 FIL FR E27 ¹	4099854066146	60	E27	4.3	806	2700	80	105	60	Frosted	50 000	A	6	2
CLASSIC A 75 DIM EELB S 5.7W 827 FIL CL E27 ¹	4099854065903	75	E27	5.7	1 055	2700	80	105	60	Clear	50 000	A	6	1
CLASSIC A 75 DIM EELB S 5.7W 827 FIL FR E27 ¹	4099854065941	75	E27	5.7	1 055	2700	80	105	60	Frosted	50 000	A	6	2
CLASSIC A 100 DIM EELB S 8.2W 827 FIL CL E27 ¹	4099854065927	100	E27	8.2	1 521	2700	80	105	60	Clear	50 000	A	6	3
CLASSIC A 100 DIM EELB S 8.2W 827 FIL FR E27 ¹	4099854065965	100	E27	8.2	1 521	2700	80	105	60	Frosted	50 000	A	6	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC P AND B ENERGY EFFICIENCY C DIM S

SUPERIOR CLASS

Dimmable LED lamps, classic mini-bulb and candle shape, Energy efficiency class C



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED lamps for line voltage
- Luminous efficacy: up to 162 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles: 500,000

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Very low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product name	GTIN (EAN)													
CLASSIC P 40 DIM EELC S 2.9W 827 FIL CL E14 ¹	4099854066535	40	E14	2.9	470	2700	80	77	45	Clear	50 000		6	1
CLASSIC P 40 DIM EELC S 2.9W 827 FIL FR E14 ¹	4058075747845	40	E14	2.9	470	2700	80	77	45	Frosted	50 000		6	2
CLASSIC B 40 DIM EELC S 2.9W 827 FIL CL E14 ¹	4099854066276	40	E14	2.9	470	2700	80	100	35	Clear	50 000		6	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A DIM CRI 90 S

SUPERIOR CLASS

Dimmable LED lamps, classic bulb shape, CRI90, with greatly reduced blue component



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED lamps for line voltage
- Beam angle: up to 300°
- Dimmable
- Colour rendering index $R_a \geq 90$

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding colour rendering of CRI>90
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Light bulb icon	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS A 60 DIM S 5.8 W 927 FIL FR E27 ¹	4099854061271	60	E27	5.8	806	2700	90	105	60	Frosted	15 000	ED	10	1
CLAS A 60 DIM S 5.8W 927 FILCL E27 ¹	4099854060892	60	E27	5.8	806	2700	90	105	60	Clear	15 000	ED	10	2
CLAS A 60 DIM S 5.8W 940 FIL CL E27 ¹	4099854060953	60	E27	5.8	806	4000	90	105	60	Clear	15 000	ED	10	2
CLAS A 60 DIM S 5.8W 940 FIL FR E27 ¹	4099854061332	60	E27	5.8	806	4000	90	105	60	Frosted	15 000	ED	10	1
CLAS A 75 DIM S 7.5W 927 FIL CL E27 ¹	4099854061035	75	E27	7.5	1055	2700	90	105	60	Clear	15 000	ED	10	3
CLAS A 75 DIM S 7.5W 927 FIL FR E27 ¹	4099854061356	75	E27	7.5	1055	2700	90	105	60	Frosted	15 000	ED	10	1
CLAS A 75 DIM S 7.5W 940 FIL CL E27 ¹	4099854061073	75	E27	7.5	1055	4000	90	105	60	Clear	15 000	ED	10	3
CLAS A 75 DIM S 7.5W 940 FIL FR E27 ¹	4099854061394	75	E27	7.5	1055	4000	90	105	60	Frosted	15 000	ED	10	1
CLAS A 100 DIM S 11W 927 FIL CL E27 ¹	4099854061134	100	E27	11	1521	2700	90	105	60	Clear	15 000	ED	10	4
CLAS A 100 DIM S 11W 927 FIL FR E27 ¹	4099854061431	100	E27	11	1521	2700	90	105	60	Frosted	15 000	ED	10	5
CLAS A 100 DIM S 11W 927 FIL FR B22D ¹	4099854061516	100	B22d	11	1521	2700	90	104	60	Frosted	15 000	ED	10	6
CLAS A 100 DIM S 11W 940 FIL CL E27 ¹	4099854061233	100	E27	11	1521	4000	90	105	60	Clear	15 000	ED	10	4
CLAS A 100 DIM S 11W 940 FIL FR E27 ¹	4099854061479	100	E27	11	1521	4000	90	105	60	Frosted	15 000	ED	10	1
CLAS A 100 DIM S 11W 940 FIL FR B22D ¹	4099854061592	100	B22d	11	1521	4000	90	104	60	Frosted	15 000	ED	10	6

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC B/BA/BW DIM CRI 90 S

SUPERIOR
CLASS

Dimmable LED lamps, classic candle shape, CRI90, with greatly reduced blue component



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED lamps for line voltage
- Beam angle: up to 300°
- Dimmable
- Colour rendering index R_a : ≥ 90

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding colour rendering of CRI>90
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W _{in} W	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Light bulb icon	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS B 40 DIM S 3.4W 927 FIL CL E14 ¹	4099854061653	40	E14	3.4	470	2700	90	100	35	Clear	15 000	E D	10	1
CLAS B 40 DIM S 3.4W 927 FIL FR E14 ¹	4099854061738	40	E14	3.4	470	2700	90	100	35	Frosted	15 000	E D	10	2
CLAS B 40 DIM S 3.4W 927 FIL FR B22D ¹	4099854062001	40	B22d	3.4	470	2700	90	91	35	Frosted	15 000	E D	10	3
CLAS B 40 DIM S 3.4W 940 FIL CL E14 ¹	4099854061714	40	E14	3.4	470	4000	90	100	35	Clear	15 000	E D	10	1
CLAS B 40 DIM S 3.4W 940 FIL FR E14 ¹	4099854061790	40	E14	3.4	470	4000	90	100	35	Frosted	15 000	E D	10	2
CLAS BA 40 DIM S 3.4W 927 FIL CL E14 ¹	4099854060618	40	E14	3.4	470	2700	90	121	35	Clear	15 000	E D	10	4
CLAS BA 40 DIM S 3.4W 927 FIL FR E14 ¹	4099854060694	40	E14	3.4	470	2700	90	100	35	Frosted	15 000	E D	10	5
CLAS BW 40 DIM S 3.4W 940 FIL CL E14 ¹	4099854060632	40	E14	3.4	470	4000	90	100	35	Clear	15 000	E D	10	6
CLAS BW 40 DIM S 3.4W 940 FIL FR E14 ¹	4099854060779	40	E14	3.4	470	4000	90	100	35	Frosted	15 000	E D	10	5

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC P/GLOBE/EDISON DIM CRI 90 S

SUPERIOR CLASS

Dimmable LED lamps with greatly reduced blue component



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED lamps for line voltage
- Beam angle: up to 300°
- Dimmable
- Colour rendering index $R_a \geq 90$

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding colour rendering of $CRI > 90$
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W _{in} W	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Light bulb icon	t _h ³	Energy efficiency class ⁴	Box icon	No.
CLAS P 40 DIM S 3.4W 927 FIL CL E27 ¹	4099854062964	40	E27	3.4	470	2700	90	77	45	Clear	15 000		10	1
CLAS P 40 DIM S 3.4W 927 FIL FR E27 ¹	4099854063145	40	E27	3.4	470	2700	90	77	45	Frosted	15 000		10	2
CLAS P 40 DIM S 3.4W 927 FIL CL E14 ¹	4099854063244	40	E14	3.4	470	2700	90	77	45	Clear	15 000		10	3
CLAS P 40 DIM S 3.4W 927 FIL FR E14 ¹	4099854063343	40	E14	3.4	470	2700	90	77	45	Frosted	15 000		10	4
CLAS P 40 DIM S 3.4W 940 FIL CL E27 ¹	4099854063008	40	E27	3.4	470	4000	90	77	45	Clear	15 000		10	1
CLAS P 40 DIM S 3.4W 940 FIL FR E27 ¹	4099854063206	40	E27	3.4	470	4000	90	77	45	Frosted	15 000		10	2
CLAS P 40 DIM S 3.4W 940 FIL CL E14 ¹	4099854063329	40	E14	3.4	470	4000	90	77	45	Clear	15 000		10	3
CLAS P 40 DIM S 3.4W 940 FIL FR E14 ¹	4099854063404	40	E14	3.4	470	4000	90	77	45	Frosted	15 000		10	4
CLAS GLOBE125 100 DIM S 11W 927 FIL CL E27 ¹	4099854062087	100	E27	11	1521	2700	90	168	124	Clear	15 000		10	5
CLAS GLOBE95 100 DIM S 11W 927 FIL CL E27 ¹	4099854060755	100	E27	11	1521	2700	90	135	95	Clear	15 000		10	6
CLAS GLOBE95 100 DIM S 11W 927 FIL FR E27 ¹	4099854061578	100	E27	11	1521	2700	90	135	95	Frosted	15 000		10	7
CLAS GLOBE125 100 DIM S 11W 940 FIL CL E27 ¹	4099854062162	100	E27	11	1521	4000	90	168	124	Clear	15 000		10	5
CLAS GLOBE95 100 DIM S 11W 940 FIL CL E27 ¹	4099854061219	100	E27	11	1521	4000	90	135	95	Clear	15 000		10	6
CLAS GLOBE95 100 DIM S 11W 940 FIL FR E27 ¹	4099854061752	100	E27	11	1521	4000	90	135	95	Frosted	15 000		10	7
CLAS EDISON DIM S 5.8W 927 FIL CL E27 ¹	4099854062322	60	E27	5.8	806	2700	90	143	64	Clear	15 000		10	8
CLAS EDISON DIM S 5.8W 940 FIL CL E27 ¹	4099854062483	60	E27	5.8	806	4000	90	143	64	Clear	15 000		10	8

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A DIM P

Dimmable LED lamps, classic bulb shape

PERFORMANCE CLASS



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Dimmable
- Base: E27, B22d
- Lifetime: up to 15,000 h

PRODUCT BENEFITS

- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- Robust against vibrations
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W _{in}	W	lm	K	CRI	I _{avg} [mm]	d [mm]	Light	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS A 40 DIM P 4.8W 827 FIL CL E27 ¹	4099854067396	40	E27	4.8	470	2700	80	105	60	Clear	15 000	E ²	10	1
CLAS A 40 DIM P 4.8W 827 FIL FR E27 ¹	4099854067433	40	E27	4.8	470	2700	80	105	60	Frosted	15 000	E ²	10	2
CLAS A 60 DIM P 7W 827 FIL CL B22D	4099854054372	60	B22d	7	806	2700	80	104	60	Clear	15 000	E ²	10	4
CLAS A 60 DIM P 7W 827 FIL CL E27	4099854054396	60	E27	7	806	2700	80	106	60	Clear	15 000	E ²	10	1
CLAS A 60 DIM P 7W 827 FIL FR E27	4099854054433	60	E27	7	806	2700	80	106	60	Frosted	15 000	E ²	10	2
CLAS A 60 DIM P 7W 827 FIL FR B22D	4099854054334	60	B22d	7	806	2700	80	104	60	Frosted	15 000	E ²	10	5
CLAS A 60 DIM P 7W 840 FIL FR E27	4099854054297	60	E27	7	806	4000	80	106	60	Frosted	15 000	E ²	10	2
CLAS A 75 DIM P 7.5W 827 FIL CL E27 ¹	4099854060915	75	E27	7.5	1055	2700	80	105	60	Clear	15 000	E ²	10	6
CLAS A 75 DIM P 7.5W 827 FIL FR E27 ¹	4099854060977	75	E27	7.5	1055	2700	80	105	60	Frosted	15 000	E ²	10	2
CLAS A 75 DIM P 7.5W 840 FIL FR E27 ¹	4099854060854	75	E27	7.5	1055	4000	80	105	60	Frosted	15 000	E ²	10	2
CLAS A 100 DIM P 11W 827 FIL CL E27 ¹	4099854060595	100	E27	11	1521	2700	80	105	60	Clear	15 000	E ²	10	7
CLAS A 100 DIM P 11W 827 FIL FR E27 ¹	4099854060656	100	E27	11	1521	2700	80	105	60	Frosted	15 000	E ²	10	8
CLAS A 150 DIM P 18W 827 FIL FR E27 ¹	4099854067457	150	E27	18	2452	2700	80	128	70	Frosted	15 000	E ²	10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A P

LED lamps, classic bulb shape

PERFORMANCE CLASS



LEDVANCE²
4 year guarantee

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Not dimmable
- Base: E27, B22D
- Lifetime: up to 15,000 h

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _W		W	lm	K	CRI							
CLAS A 40 P 4W 827 FIL CL E27 ¹	4099854069697	40	E27	4	470	2700	80	105	60	Clear	15 000		10	1
CLAS A 40 P 4W 827 FIL FR E27 ¹	4099854069659	40	E27	4	470	2700	80	105	60	Frosted	15 000		10	2
CLAS A 40 P 4W 827 FIL CL B22D ¹	4099854069758	40	B22d	4	470	2700	80	104	60	Clear	15 000		10	3
CLAS A 40 P 4W 827 FIL FR B22D ¹	4099854069734	40	B22d	4	470	2700	80	104	60	Frosted	15 000		10	4
CLAS A 40 P 4W 840 FIL CL E27 ¹	4099854069673	40	E27	4	470	4000	80	105	60	Clear	15 000		10	1
CLAS A 40 P 4W 840 FIL FR E27 ¹	4099854069710	40	E27	4	470	4000	80	105	60	Frosted	15 000		10	2
CLAS A 60 P 6.5W 827 FIL CL B22D ¹	4099854063060	60	B22d	6.5	806	2700	80	104	60	Clear	15 000		10	3
CLAS A 60 P 6.5W 827 FIL CL E27 ¹	4099854062582	60	E27	6.5	806	2700	80	105	60	Clear	15 000		10	8
CLAS A 60 P 6.5W 827 FIL FR E27 ¹	4099854062421	60	E27	6.5	806	2700	80	105	60	Frosted	15 000		10	2
CLAS A 60 P 6.5W 827 FIL FR B22D ¹	4099854062704	60	B22d	6.5	806	2700	80	104	60	Frosted	15 000		10	4
CLAS A 60 P 6.5W 840 FIL FR E27 ¹	4099854062469	60	E27	6.5	806	4000	80	105	60	Frosted	15 000		10	2
CLAS A 60 P 6.5W 840 FIL CL E27 ¹	4099854062667	60	E27	6.5	806	4000	80	105	60	Clear	15 000		10	8
CLAS A 75 P 7.5W 827 FIL FR E27 ¹	4099854062049	75	E27	7.5	1 055	2700	80	105	60	Frosted	15 000		10	2
CLAS A 75 P 7.5W 827 FIL CL E27 ¹	4099854062186	75	E27	7.5	1 055	2700	80	105	60	Clear	15 000		10	9
CLAS A 75 P 7.5W 840 FIL FR E27 ¹	4099854062025	75	E27	7.5	1 055	4000	80	105	60	Frosted	15 000		10	2
CLAS A 75 P 7.5W 840 FIL CL E27 ¹	4099854062988	75	E27	7.5	1 055	4000	80	105	60	Clear	15 000		10	9
CLAS A 100 P 11W 827 FIL FR E27 ¹	4099854069796	100	E27	11	1 521	2700	80	105	60	Frosted	15 000		10	2
CLAS A 100 P 11W 827 FIL CL E27 ¹	4099854069819	100	E27	11	1 521	2700	80	105	60	Clear	15 000		10	5
CLAS A 100 P 11W 840 FIL CL E27 ¹	4099854069772	100	E27	11	1 521	4000	80	105	60	Clear	15 000		10	5
CLAS A 150 P 17W 827 FIL FR E27 ¹	4099854069833	150	E27	17	2 452	2700	80	118	70	Frosted	15 000		10	6
CLAS A 150 P 17W 840 FIL FR E27 ¹	4099854069857	150	E27	17	2 452	4000	80	118	70	Frosted	15 000		10	6
CLAS A 200 P 24W 827 FIL FR E27 ¹	4099854069895	200	E27	24	3 452	2700	80	162	95	Frosted	15 000		4	7
CLAS A 200 P 24W 840 FIL FR E27 ¹	4099854069918	200	E27	24	3 452	4000	80	162	95	Frosted	15 000		4	7

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC B DIM P¹

Dimmable LED lamps, classic candle shape

PERFORMANCE CLASS



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- Professional LED lamps for line voltage
- Dimmable
- Lifetime: up to 15,000 h
- Beam angle: up to 300°

PRODUCT BENEFITS

- Design, dimensions, luminous flux comparable to an incandescent lamp
- Very low energy consumption
- Robust against vibrations
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
CLAS B 40 DIM P 4.8W 827 FIL CL E14 ¹	4099854067532	40	E14	4.8	470	2700	80	97	35	Clear	15 000		10	1
CLAS B 40 DIM P 4.8W 827 FIL CL E27 ¹	4099854067495	40	E27	4.8	470	2700	80	95	35	Clear	15 000		10	2
CLAS B 40 DIM P 4.8W 827 FIL FR E14 ¹	4099854067556	40	E14	4.8	470	2700	80	97	35	Frosted	15 000		10	3
CLAS B 40 DIM P 4.8W 827 FIL FR B22d ¹	4099854067518	40	B22d	4.8	470	2700	80	94	35	Frosted	15 000		10	4
CLAS B 60 DIM P 5.5W 827 FIL FR E14 ¹	4099854060533	60	E14	5.5	806	2700	80	100	35	Frosted	15 000		10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC B P

LED lamps, classic candle shape

PERFORMANCE CLASS



LEDVANCE
4 year guarantee

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Lifetime: up to 15,000 h
- Lamp made of glass
- Good quality of light; colour rendering index Ra: ≥ 80; constant chromaticity

PRODUCT BENEFITS

- Long lifetime of up to 15,000 h
- Low energy consumption
- Easy relamping thanks to compact design
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- wDomestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	Base	W	lm	K	CRI	I _a [lm/W]	Ø d [mm]	Light type	t _h [h]	Energy efficiency class	Energy efficiency class (EEC)	Energy efficiency class (EEC) No.
CLAS B 25 P 2.5W 827 FIL CL E14 ¹	4099854069451	25	E14	2.5	250	2700	80	100	35	Clear	15 000	E	10	1
CLAS B 25 P 2.5W 827 FIL CL B22D ¹	4099854069376	25	B22d	2.5	250	2700	80	91	35	Clear	15 000	E	10	2
CLAS B 25 P 2.5W 827 FIL FR E14 ¹	4099854069437	25	E14	2.5	250	2700	80	100	35	Frosted	15 000	E	10	3
CLAS B 40 P 4W 827 FIL CL E14 ¹	4099854069413	40	E14	4	470	2700	80	100	35	Clear	15 000	E	10	4
CLAS B 40 P 4W 827 FIL CL B22D ¹	4099854069314	40	B22d	4	470	2700	80	91	35	Clear	15 000	E	10	5
CLAS B 40 P 4W 827 FIL CL E27 ¹	4099854069277	40	E27	4	470	2700	80	92	35	Clear	15 000	E	10	6
CLAS B 40 P 4W 827 FIL FR B22D ¹	4099854069338	40	B22d	4	470	2700	80	91	35	Frosted	15 000	E	10	7
CLAS B 40 P 4W 827 FIL FR E14 ¹	4099854069390	40	E14	4	470	2700	80	100	35	Frosted	15 000	E	10	3
CLAS B 40 P 4W 827 FIL CL E14 ¹	4099854069291	40	E14	4	470	4000	80	100	35	Clear	15 000	E	10	4
CLAS B 60 P 5.5W 827 FIL CL E14 ¹	4099854062308	60	E14	5.5	806	2700	80	100	35	Clear	15 000	E	10	4
CLAS B 60 P 5.5W 827 FIL FR E14 ¹	4099854062346	60	E14	5.5	806	2700	80	100	35	Frosted	15 000	E	10	8

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC BA/BW P

PERFORMANCE CLASS

LED lamps, classic candle shape



1

2

LEDVANCE
4 year guarantee

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Not dimmable
- Base: E14
- Lifetime: up to 15,000 h

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W	W	lm	K	CRI	I [mm]	d [mm]	Light	t _h	Energy	Energy	No.
CLAS BA 40 P 4W 827 FIL CL E14 ¹	4099854069475	40	E14	4	470	2700	80	121	35	Clear	15 000	10	1
CLAS BW 40 P 4W 827 FIL CL E14 ¹	4099854069352	40	E14	4	470	2700	80	100	35	Clear	15 000	10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC P DIM P

Dimmable LED lamps, mini-ball shape

PERFORMANCE CLASS



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- Professional LED lamps for line voltage
- Dimmable
- Lifetime: up to 15,000 h
- Beam angle: up to 300°

PRODUCT BENEFITS

- Design, dimensions, luminous flux comparable to an incandescent lamp
- Very low energy consumption
- Robust against vibrations
- Lamps with innovative LED „filament“ technology
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W _{in}	W	lm	K	CRI	I _{avg} [lm]	d [mm]	Light bulb icon	t _h h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS P 25 DIM P 2.8W 827 FIL FR E14 ¹	4099854067662	25	E14	2.8	250	2700	80	78	45	Frosted	15 000	E ₊	10	1
CLAS P 25 DIM P 2.8W 827 FIL FR E27 ¹	4099854067631	25	E27	2.8	250	2700	80	77	45	Frosted	15 000	E ₊	10	2
CLAS P 40 DIM P 4.8W 827 FIL CL E27 ¹	4099854067570	40	E27	4.8	470	2700	80	77	45	Clear	15 000	E ₊	10	3
CLAS P 40 DIM P 4.8W 827 FIL CL E14 ¹	4099854067686	40	E14	4.8	470	2700	80	78	45	Clear	15 000	E ₊	10	4
CLAS P 40 DIM P 4.8W 827 FIL FR E14 ¹	4099854067709	40	E14	4.8	470	2700	80	78	45	Frosted	15 000	E ₊	10	1
CLAS P 40 DIM P 4.8W 827 FIL FR E27 ¹	4099854067594	40	E27	4.8	470	2700	80	77	45	Frosted	15 000	E ₊	10	2
CLAS P 40 DIM P 4.8W 827 FIL FR B22D ¹	4099854067617	40	B22d	4.8	470	2700	80	76	45	Frosted	15 000	E ₊	10	5
CLAS P 60 DIM P 5.5W 827 FIL FR E14 ¹	4099854065552	60	E14	5.5	806	2700	80	77	45	Frosted	15 000	E ₊	10	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC P P

LED lamps, classic mini-ball shape

PERFORMANCE CLASS



LEDVANCE
4 year guarantee

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Not dimmable
- Lifetime: up to 15,000 h

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W _{in} W	W	lm	K	CRI	I _{avg} [lm]	d [mm]	Light	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS P 15 P 1.5W 827 FIL CL E27 ¹	4099854069253	15	E27	1.5	136	2700	80	77	45	Clear	15 000	E F	10	1
CLAS P 25 P 2.5W 827 FIL CL E14 ¹	4099854069215	25	E14	2.5	250	2700	80	77	45	Clear	15 000	E F	10	2
CLAS P 25 P 2.5W 827 FIL CL E27 ¹	4099854069192	25	E27	2.5	250	2700	80	77	45	Clear	15 000	E F	10	1
CLAS P 25 P 2.5W 827 FIL FR E14 ¹	4099854069239	25	E14	2.5	250	2700	80	77	45	Frosted	15 000	E F	10	3
CLAS P 25 P 2.5W 827 FIL FR E27 ¹	4099854069123	25	E27	2.5	250	2700	80	77	45	Frosted	15 000	E F	10	4
CLAS P 40 P 4W 827 FIL CL E14 ¹	4099854069178	40	E14	4	470	2700	80	77	45	Clear	15 000	E F	10	5
CLAS P 40 P 4W 827 FIL FR E14 ¹	4099854069154	40	E14	4	470	2700	80	77	45	Frosted	15 000	E F	10	3
CLAS P 40 P 4W 827 FIL FR B22D ¹	4099854069109	40	B22d	4	470	2700	80	76	45	Frosted	15 000	E F	10	6
CLAS P 40 P 4W 827 FIL FR E27 ¹	4099854069086	40	E27	4	470	2700	80	77	45	Frosted	15 000	E F	10	4
CLAS P 60 P 5.5W 827 FIL CL E14 ¹	4099854062223	60	E14	5.5	806	2700	80	77	45	Clear	15 000	E D	10	5
CLAS P 60 P 5.5W 827 FIL CL E27 ¹	4099854062209	60	E27	5.5	806	2700	80	77	45	Clear	15 000	E D	10	7
CLAS P 60 P 5.5W 827 FIL FR E14 ¹	4099854062261	60	E14	5.5	806	2700	80	77	45	Frosted	15 000	E D	10	8

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC GLOBE DIM AND NON-DIM P

PERFORMANCE CLASS

Dimmable LED lamps, classic ball shape



LED CLASSIC GLOBE DIM P

PRODUCT FEATURES

- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Lifetime: up to 15,000 h
- Beam angle: up to 360°
- Professional LED lamps for line voltage

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Very low energy consumption
- Can be easily fitted instead of ordinary light bulbs
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W	lm	K	CRI	l [mm]	Ø d [mm]	Light	t _h [h]	Energy efficiency class	Energy efficiency class	Energy efficiency class	Energy efficiency class
CLAS GLOBE95 75 DIM P 7.5W 827 FIL FR E27 ¹	4099854060717	75	E27	7.5	1055	2700	80	135	95	Frosted	15000	E	6	1
CLAS GLOBE95 100 DIM P 11W 827 FIL FR E27 ¹	4099854060793	100	E27	11	1521	2700	80	135	95	Frosted	15000	E	6	1



LED CLASSIC GLOBE P

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Beam angle: up to 360°

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Very low energy consumption
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W	lm	K	CRI	l [mm]	Ø d [mm]	Light	t _h [h]	Energy efficiency class	Energy efficiency class	Energy efficiency class	Energy efficiency class
CLAS GLOBE 125 25 P 2.5W 827 FIL CL E27 ¹	4099854054259	25	E27	2.5	250	2700	80	178	125	Clear	15000	E	10	2
CLAS GLOBE 125 40 P 4W 827 FIL CL E27 ¹	4099854054198	40	E27	4	470	2700	80	178	125	Clear	15000	E	10	3
CLAS GLOBE 125 60 P 7W 827 FIL CL E27 ¹	4099854054761	60	E27	7	806	2700	80	178	125	Clear	15000	E	10	3
CLAS GLOBE 95 P 6.5W 827 FIL FR E27 ¹	4099854062384	60	E27	6.5	806	2700	80	135	95	Frosted	15000	E	6	4
CLAS GLOBE 95 100 P 11W 827 FIL FR E27 ¹	4099854062865	100	E27	11	1521	2700	80	135	95	Frosted	15000	E	6	4

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC ST P

LED lamps, classic Edison bulb shape

PERFOR-
MANCE
CLASS



1

2

LEDVANCE
4
year
guarantee

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Beam angle: up to 360°

PRODUCT BENEFITS

- Lamps with innovative LED „filament“ technology
- Very low energy consumption
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]		t _h ³			
CLAS EDISON 40 P 4W 827 FIL CL E27 ¹	4099854070013	40	E27	4	470	2700	80	143	64	Clear	15 000		10	1
CLAS EDISON 40 P 4W 827 FIL FR E27 ¹	4099854069994	40	E27	4	470	2700	80	143	64	Frosted	15 000		10	2
CLAS EDISON 60 P 6.5W 827 FIL FR E27 ¹	4099854062803	55	E27	6.5	730	2700	80	143	64	Frosted	15 000		10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A V

VALUE
CLASS

LED lamps, classic bulb shape, filament type



PRODUCT FEATURES

- LED alternative to conventional lamps
- Not dimmable
- Good colour rendering ($R_a \geq 80$) and colour stability throughout the life of the lamp

PRODUCT BENEFITS

- Very low energy consumption
- Can be easily fitted instead of ordinary light bulbs

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	E	W	lm	K	CRI	$\frac{l}{d}$ [mm]	ϕ [mm]	Light colour	t ₉₀ ²	Energy efficiency class ³	Quantity	No.
CLAS A 40 V 4W 827 FIL CL E27 ¹	4099854068980	40	E27	4	470	2700	80	105	60	Clear	10 000	E	10	1
CLAS A 60 V 6.5W 827 FIL CL E27 ¹	4099854062520	60	E27	6.5	806	2700	80	105	60	Clear	10 000	E	10	3
CLAS A 60 V 6.5W 840 FIL CL E27 ¹	4099854062629	60	E27	6.5	806	4000	80	105	60	Clear	10 000	E	10	3
CLAS A 75 V 7.5W 827 FIL CL E27 ¹	4099854062100	75	E27	7.5	1055	2700	80	105	60	Clear	10 000	E	10	4
CLAS A 75 V 7.5W 840 FIL CL E27 ¹	4099854062902	75	E27	7.5	1055	4000	80	105	60	Clear	10 000	E	10	4
CLAS A 100 V 11W 827 FIL CL E27 ¹	4099854069062	100	E27	11	1521	2700	80	105	60	Clear	10 000	E	10	2
CLAS A 100 V 11W 840 FIL CL E27 ¹	4099854069048	100	E27	11	1521	4000	80	105	60	Clear	10 000	E	10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² L70/B50 | ³ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A V

LED lamps, classic bulb shape, heatsink type



1 2 3 4

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Not dimmable
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	E	W	lm	K	CRI	$\frac{l}{d}$ (mm)	ϕ (mm)	Light	t ₉₀ ²	Energy efficiency class ³	Box	No.
CLAS A 4.9W 827 FR E27 ¹	4099854049484	40	E27	4.9	470	2700	≥80	95	55	Frosted	10 000		10	3
CLAS A 4.9W 840 FR E27 ¹	4099854049583	40	E27	4.9	470	4000	≥80	95	55	Frosted	10 000		10	3
CLAS A 4.9W 865 FR E27 ¹	4099854049606	40	E27	4.9	470	6500	≥80	95	55	Frosted	10 000		10	3
CLAS A 8.5W 827 FR E27 ¹	4099854049620	60	E27	8.5	806	2700	≥80	107	60	Frosted	10 000		10	1
CLAS A 8.5W 840 FR E27 ¹	4099854049187	60	E27	8.5	806	4000	≥80	107	60	Frosted	10 000		10	1
CLAS A 8.5W 865 FR E27 ¹	4099854049200	60	E27	8.5	806	6500	≥80	107	60	Frosted	10 000		10	1
CLAS A 10W 827 FR E27 ¹	4099854048807	75	E27	10	1055	2700	≥80	113	60	Frosted	10 000		10	2
CLAS A 10W 840 FR E27 ¹	4099854048883	75	E27	10	1055	4000	≥80	113	60	Frosted	10 000		10	2
CLAS A 13W 827 FR E27 ¹	4099854048906	100	E27	13	1521	2700	≥80	118	60	Frosted	10 000		10	4
CLAS A 13W 840 FR E27 ¹	4099854049002	100	E27	13	1521	4000	≥80	118	60	Frosted	10 000		10	4
CLAS A 13W 865 FR E27 ¹	4099854049026	100	E27	13	1521	6500	≥80	118	60	Frosted	10 000		10	4

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² L70/B50 | ³ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC B/P V

LED lamps, classic mini-ball shape



PRODUCT FEATURES

- LED alternative to conventional lamps
- Not dimmable
- Good colour rendering ($R_a \geq 80$) and colour stability throughout the life of the lamp

PRODUCT BENEFITS

- Very low energy consumption
- Simple direct replacement for conventional incandescent lamps
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- General illumination
- Domestic applications
- Chandeliers
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{ΔW}		W	lm	K	CRI							
CLAS B 40 V 4W 827 FIL CL E14 ¹	4099854069871	40	E14	4	470	2700	80	100	35	Clear	10 000		10	1
CLAS B 4.9W 827 FR E14 ¹	4099854049323	40	E14	4.9	470	2700	80	96	37	Frosted	10 000		10	2
CLAS B 4.9W 840 FR E14 ¹	4099854049347	25	E14	4.9	470	4000	80	96	37	Frosted	10 000		10	2
CLAS B 4.9W 865 FR E14 ¹	4099854049361	40	E14	4.9	470	6500	80	96	37	Frosted	10 000		10	2
CLAS B 7.5W 827 FR E14 ¹	4099854049262	60	E14	7.5	806	2700	80	115	39	Frosted	10 000		10	3
CLAS P 40 V 4W 827 FIL CL E14 ¹	4099854069024	40	E14	4	470	2700	80	77	45	Clear	10 000		10	4
CLAS P 4.9W 827 FR E14 ¹	4099854049408	40	E14	4.9	470	2700	80	79	45	Frosted	10 000		10	5
CLAS P 4.9W 840 FR E14 ¹	4099854049422	40	E14	4.9	470	4000	80	79	45	Frosted	10 000		10	5
CLAS P 4.9W 865 FR E14 ¹	4099854049446	40	E14	4.9	470	6500	80	79	45	Frosted	10 000		10	5
CLAS P 7.5W 827 FR E14 ¹	4099854049224	60	E14	7.5	806	2700	80	89	47	Frosted	10 000		10	6

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² L70/B50 | ³ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Vintage 1906 LED DIM

LED lamps, dimmable vintage edition



PRODUCT FEATURES

- LED lamps for line voltage
- Lamp made of glass
- Lifetime: up to 15,000 h
- Beam angle: up to 360°

PRODUCT BENEFITS

- Very low energy consumption
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lamps with innovative LED „filament“ technology

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
Vintage 1906 BALLON BLUE DIM 10 4.5 W/1600 K E27	4058075 761872	10	E27	4.5	100	1600	80	270	170	Blue	15000		4	1
Vintage 1906 NEST DIM 10 4.8 W/1800 K E27	4058075 761056	10	E27	4.8	100	1800	80	405	200	Smoke	15000		4	40
Vintage 1906 BALLON PINK DIM 15 4.5 W/1600 K E27	4058075 761896	15	E27	4.5	220	1600	80	270	170	Pink	15000		4	2
Vintage 1906 GLOBE 140 DIM 15 4.5 W/1600 K E27	4058075 760974	15	E27	4.5	150	1600	80	200	140	Smoke	15000		4	3

¹ Dimmable (with many common dimmers, see also www.ledvance.com/dim). All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Product name	GTIN (EAN)													
Vintage 1906 ET165 DIM 15 4.5 W/1700 K E27	4058075760998	15	E27	4.5	150	1700	80	270	165	Smoke	15000		4	4
Vintage 1906 AW188 DIM 15 4 W/1800 K E27	4058075761018	15	E27	4	140	1800	80	400	193	Smoke	15000		4	5
Vintage 1906 DIM BIG Globe 15 4 W/1800 K E27 ¹	4058075270046	15	E27	4	140	1800	80	290	200	Smoke	15000		4	6
Vintage 1906 DIM BIG GRAPE 15 4 W/1800 K E27 ¹	4058075270022	15	E27	4	140	1800	80	290	160	Smoke	15000		4	7
Vintage 1906 GLOBE200 DIM 16 4.8 W/1800 K E27	4058075761278	16	E27	4.8	150	1800	80	295	200	Smoke	15000		4	8
Vintage 1906 ET124 GREEN DIM 18 4.5 W/1600 K E27	4058075761858	18	E27	4.5	180	1600	80	176	125	Green	15000		4	9
Vintage 1906 CLASSIC B DIM 25 3.4 W/2200 K E14	4099854091612	25	E14	3.4	250	2200	80	97	35	Gold	15000		6	10
Vintage 1906 CLASSIC P DIM 25 3.4 W/2200 K E14	4058075761438	25	E14	3.4	250	2200	80	78	45	Gold	15000		6	11
Vintage 1906 DIM BIG GRAPE 28 4 W/2000 K E27 ¹	4058075269705	28	E27	4	300	2000	80	290	160	Gold	15000		4	12
Vintage 1906 DIM Big Globe 28 4 W/2000 K E27 ¹	4058075269729	28	E27	4	300	2000	80	290	200	Gold	15000		4	13
Vintage 1906 DIM GLOBE 28 4 W/2000 K E27 ¹	4058075270008	28	E27	4	300	2000	80	168	124	Gold	15000		4	14
Vintage 1906 GLOBE 80 DIM 30 7.8 W/1800 K E27	4099854090745	30	E27	7.8	360	1800	80	120	80	Smoke	15000		4	15
Vintage 1906 Edison DIM 30 7.8 W/1800 K E27	4099854090981	30	E27	7.8	360	1800	80	140	64	Smoke	15000		4	16
Vintage 1906 GLOBE 125 DIM 30 7.8 W/1800 K E27	4058075761254	30	E27	7.8	360	1800	80	173	124	Smoke	15000		4	17
Vintage 1906 GLOBE95 DIM 30 7.8 W/1800 K E27	4058075761216	30	E27	7.8	360	1800	80	138	95	Smoke	15000		4	18
Vintage 1906 BALLON DIM 30 4.8 W/2700 K E27	4058075761919	30	E27	4.8	400	2700	80	270	170	Clear	15000		4	19
Vintage 1906 GLOBE200 DIM 33 4.8 W/2200 K E27	4058075761698	33	E27	4.8	400	2200	80	295	200	Gold	15000		4	20
Vintage 1906 NEST DIM 33 4.8 W/2200 K E27	4058075761834	33	E27	4.8	360	2200	80	405	200	Gold	15000		4	21
Vintage 1906 CLASSIC A DIM 35 4.8 W/2200 K E27	4058075761452	35	E27	4.8	400	2200	80	105	60	Gold	15000		6	22
Vintage 1906 GLOBE 125 DIM 37 4.8 W/2200 K E27	4058075761650	37	E27	4.8	420	2200	80	173	124	Gold	15000		4	23
Vintage 1906 Edison DIM 37 4.8 W/2200 K E27	4099854091025	37	E27	4.8	420	2200	80	140	64	Gold	15000		4	24
Vintage 1906 G95-SHAPE 95 DIM 37 4.8 W/2200 K E27	4058075761612	37	E27	4.8	420	2200	80	138	95	Gold	15000		4	25
Vintage 1906 GLOBE 80 DIM 37 4.8 W/2200 K E27	4099854090806	37	E27	4.8	420	2200	80	120	80	Gold	15000		4	26
Vintage 1906 Edison DIM 40 5.8 W/2200 K E27	4099854091063	40	E27	5.8	470	2200	80	140	64	Gold	15000		4	27
Vintage 1906 GLOBE 80 DIM 40 5.8 W/2200 K E27	4099854090844	40	E27	5.8	470	2200	80	120	80	Gold	15000		4	28
Vintage 1906 Tubular 40 4.8 W/2200 K E27	4099854091803	40	E27	4.8	470	2200	80	165	32	Gold	15000		4	29
Vintage 1906 GLOBE 95 DIM 40 5.8 W/2200 K E27	4058075761759	40	E27	5.8	470	2200	80	138	95	Gold	15000		4	30
Vintage 1906 GLOBE 125 DIM 40 5.8 W/2200 K E27	4058075761797	40	E27	5.8	470	2200	80	173	124	Gold	15000		4	31
Vintage 1906 GLOBE 125 DIM 42 11 W/1800 K E27	4058075761391	42	E27	11	500	1800	80	173	124	Smoke	15000		4	32
Vintage 1906 GLOBE 95 DIM 42 11 W/1800 K E27	4058075761353	42	E27	11	500	1800	80	138	95	Smoke	15000		4	32
Vintage 1906 GLOBE 80 DIM 42 11 W/1800 K E27	4099854090783	42	E27	11	500	1800	80	120	80	Smoke	15000		4	33
Vintage 1906 Edison DIM 42 11 W/1800 K E27	4099854091001	42	E27	11	500	1800	80	140	64	Smoke	15000		4	34
Vintage 1906 GLOBE 80 DIM 48 7 W/2200 K E27	4099854090820	48	E27	7	600	2200	80	120	80	Gold	15000		4	26
Vintage 1906 GLOBE 125 DIM 48 7 W/2200 K E27	4058075761674	48	E27	7	600	2200	80	173	124	Gold	15000		4	23
Vintage 1906 Edison DIM 48 7 W/2200 K E27	4099854091049	48	E27	7	600	2200	80	140	64	Gold	15000		4	24
Vintage 1906 GLOBE 95 DIM 48 7 W/2200 K E27	4058075761636	48	E27	7	600	2200	80	138	95	Gold	15000		4	25
Vintage 1906 Edison DIM 55 6.5 W/2400 K E27 ¹	4058075754713	55	E27	6.5	725	2400	80	143	64	Gold	15000		8	35
Vintage 1906 DIM GLOBE 55 6.5 W/2400 K E27 ¹	4058075808997	55	E27	6.5	725	2400	80	168	124	Gold	15000		4	36
Vintage 1906 GLOBE 125 DIM 60 8.8 W/2200 K E27	4058075761810	60	E27	8.8	806	2200	80	173	124	Gold	15000		4	31
Vintage 1906 GLOBE 95 DIM 60 8.8 W/2200 K E27	4058075761773	60	E27	8.8	806	2200	80	138	95	Gold	15000		4	30
Vintage 1906 GLOBE 80 DIM 60 8.8 W/2200 K E27	4099854090943	60	E27	8.8	806	2200	80	120	80	Gold	15000		4	28
Vintage 1906 Edison DIM 60 8.8 W/2200 K E27	4099854091087	60	E27	8.8	806	2200	80	140	64	Gold	15000		4	27
Vintage 1906 CLASSIC C125 28 4 W/1800 K E27	4099854090325	28	E27	4	140	1800	80	283	125	Smoke	15000	-	4	37
Vintage 1906 Edison DIM 28 4 W/2000 K E27	4099854090103	28	E27	4	300	2000	80	143	64	Gold	15000		4	38
Vintage 1906 GLOBE 95 DIM 55 6.5 W/2400 K E27	4058075754737	55	E27	6.5	725	2400	80	135	95	Gold	15000		8	39
Vintage 1906 DIM EDISON 55 6.5 W/2400 K E27	4099854081514	55	E27	6.5	725	2400	80	143	64	Gold	15000		4	35

¹ Dimmable (with many common dimmers, see also www.ledvance.com/dim). All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Vintage 1906® LED

LED lamps, vintage edition



PRODUCT FEATURES

- LED lamps for line voltage
- Lamp made of glass
- Lifetime: up to 15,000 h
- Beam angle: up to 360°

PRODUCT BENEFITS

- Very low energy consumption
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lamps with innovative LED „filament“ technology

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	WxW	mm	W	lm	K	CRI	lumen	Ø	mm	Light	t[h]	Energy	Class	No.
Vintage 1906 CLASSIC A 10 3.4 W/1800 K E27	4058075760912	10	E27	3.4	100	1800	80	105	60	Smoke	15000	6	1		1
Vintage 1906 GLOBE 95 10 3.4 W/1800 K E27	4058075760950	10	E27	3.4	100	1800	80	138	95	Smoke	15000	4	2		2
Vintage 1906 Edison 10 3.4 W/1800 K E27	4099854091353	10	E27	3.4	100	1800	80	140	64	Smoke	15000	4	3		3
Vintage 1906 BA 12 1.5 W/2400 K E14	4099854091551	12	E14	1.5	120	2400	80	121	35	Gold	15000	10	4		4
Vintage 1906 CLAS B 12 1.5 W/2400 K E14	4099854091599	12	E14	1.5	120	2400	80	100	35	Gold	15000	6	5		5
Vintage 1906 BW 12 1.5 W/2400 K E14	4099854091513	12	E14	1.5	120	2400	80	100	35	Gold	15000	6	6		6
Vintage 1906 GLOBE 15 4 W/1800 K E27 ¹	4058075269927	15	E27	4	140	1800	80	290	200	Smoke	15000	4	7		7
Vintage 1906 GLOBE 15 4 W/1800 K E27 ¹	4058075269989	15	E27	4	140	1800	80	168	124	Smoke	15000	4	8		8
Vintage 1906 Edison 15 4 W/1800 K E27	4099854091315	15	E27	4	140	1800	80	143	64	Smoke	15000	4	9		9
Vintage 1906 BIG GRAPE 15 4 W/1800 K E27 ¹	4058075269903	15	E27	4	140	1800	80	290	160	Smoke	15000	4	10		10
Vintage 1906 Tubular 20 2.5 W/2000 K E27	4099854091858	20	E27	2.5	200	2000	80	127	32	Gold	15000	4	11		11
Vintage 1906 CLAS B 22 2.5 W/2400 K E14	4099854091575	22	E14	2.5	220	2400	80	100	35	Gold	15000	6	5		5
Vintage 1906 BW 22 2.5 W/2400 K E14	4099854091490	22	E14	2.5	220	2400	80	100	35	Gold	15000	6	6		6

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Product name	GTIN (EAN)													
Vintage 1906 CLAS P 22 2.5 W/2400 K E14 ¹	4058075290815	22	E14	2.5	220	2400	80	77	45	Gold	15000		6	12
Vintage 1906 CLAS A 22 2.5 W/2400 K E27 ¹	4058075293199	22	E27	2.5	220	2400	80	105	60	Gold	15000		6	13
Vintage 1906 Edison 22 2.5 W/2400 K E27	4099854091339	22	E27	2.5	220	2400	80	143	64	Gold	15000		4	14
Vintage 1906 GLOBE 22 2.5 W/2400 K E27 ¹	4058075808980	22	E27	2.5	220	2400	80	168	124	Gold	15000		4	15
Vintage 1906 BA 22 2.5 W/2400 K E14	4099854091537	22	E14	2.5	220	2400	80	121	35	Gold	15000		10	4
Vintage 1906 Edison 28 4 W/2000 K E27	4099854091292	28	E27	4	300	2000	80	143	64	Gold	15000		4	16
Vintage 1906 GLOBE 28 4 W/2000 K E27 ¹	4058075092013	28	E27	4	300	2000	80	290	200	Gold	15000		4	17
Vintage 1906 BIG GRAPE 28 4 W/2000 K E27 ¹	4058075091993	28	E27	4	300	2000	80	290	160	Gold	15000		4	18
Vintage 1906 GLOBE 28 CL 4 W/2000 K E27 ¹	4058075092136	28	E27	4	300	2000	80	168	124	Gold	15000		4	19
Vintage 1906 Tubular 35 4 W/2000 K E27	4099854091889	35	E27	4	400	2000	80	185	32	Gold	15000		4	20
Vintage 1906 CLAS A 35 4 W/2400 K E27 ¹	4058075293090	35	E27	4	410	2400	80	105	60	Gold	15000		6	21
Vintage 1906 CLAS B 35 4 W/2400 K E14	4099854091476	35	E14	4	410	2400	80	100	35	Gold	15000		6	22
Vintage 1906 GLOBE 35 4 W/2400 K E27	4099854091179	35	E27	4	410	2400	80	168	124	Gold	15000		4	23
Vintage 1906 CLAS P 35 4 W/2400 K E14 ¹	4058075293496	35	E14	4	410	2400	80	77	45	Gold	15000		6	24
Vintage 1906 Edison 35 4 W/2400 K E27	4099854091377	35	E27	4	410	2400	80	143	64	Gold	15000		4	25
Vintage 1906 Diamond 40 CL 4 W/2400 K E27 ¹	4058075091955	40	E27	4	470	2400	80	142	110	Gold	15000		4	26
Vintage 1906 PINE 40 4 W/2400 K E27 ¹	4058075092037	40	E27	4	470	2400	80	168	125	Gold	15000		4	27
Vintage 1906 OVAL 40 4 W/2400 K E27	4099854091117	40	E27	4	470	2400	80	156	75	Gold	15000		4	28
Vintage 1906 CLAS A 50 6.5 W/2400 K E27 ¹	4058075293298	50	E27	6.5	650	2400	80	105	60	Gold	15000		6	21
Vintage 1906 GLOBE 55 6.5 W/2400 K E27 ¹	4058075809406	55	E27	6.5	720	2400	80	168	124	Gold	15000		4	23
Vintage 1906 CLAS A 63 7.5 W/2400 K E27 ¹	4058075293359	63	E27	7.5	865	2400	80	105	60	Gold	15000		6	21

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A AND P MIRROR P

PERFORMANCE CLASS

LED lamps, classic bulb shape with mirror bulb crown



1 2

LEDVANCE
4 year guarantee

PRODUCT FEATURES

- Bulb crown coating: silver
- Lamp made of glass
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Long lifetime of up to 15,000 h
- Low energy consumption
- Easy relamping thanks to compact design
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Perfect for decorative installations
- Mirror lighting
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
CLAS A 50 MIR S P 6.5W 827 FIL SIL E27 ¹	4099854062742	50	E27	6.5	650	2700	80	105	60	Clear	15 000		10	1
CLAS P 31 MIR S P 4W 827 FIL SIL E14 ¹	4099854070037	31	E14	4	350	2700	80	77	45	Clear	15 000		10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC LAMPS FROSTED S

SUPERIOR CLASS

LED lamps with CRI 97, A B P types



LEDVANCE²
5 year guarantee

PRODUCT FEATURES

- LED lamps for line voltage
- Colour rendering index R_a : 97

PRODUCT BENEFITS

- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding colour rendering of CRI = 97
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain
- Very low energy consumption

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W _{in} W	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Light bulb icon	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS B 2.8W 927 FR E14 ¹	4099854075445	25	E14	2.8	245	2700	97	96	37	Frosted	30 000	EF	10	3
CLAS A 4.9W 927 FR E27 ¹	4099854075407	40	E27	4.9	470	2700	97	107	60	Frosted	30 000	EF	10	1
CLAS B 4.9W 927 FR E14 ¹	4099854075469	40	E14	4.9	470	2700	97	106	38	Frosted	30 000	EF	10	4
CLAS P 4.9W 927 FR E14 ¹	4099854075483	40	E14	4.9	470	2700	97	89	47	Frosted	30 000	EF	10	5
CLAS A 9.4W 927 FR E27 ¹	4099854075421	60	E27	9.4	806	2700	97	112	60	Frosted	30 000	EF	10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC LAMPS FOR FACILITIES S

SUPERIOR
CLASS

Professional LED lamps for facilities AC/DC



1



2

LEDVANCE
5
year
guarantee

PRODUCT FEATURES

- LED lamp compatible for emergency power system
- High switching cycle with 500,000 times

PRODUCT BENEFITS

- Light for AC/DC system (AC 220-240V, DC 176-250V)
- High switching cycle enables long lifetime when it is connected to motion sensors
- Very long lifetime of up to 25,000 h

AREAS OF APPLICATION

- Public space in large-scaled buildings: staircases, corridors, emergency exits, basement
- Outdoor applications only in suitable luminaires

Product name	GTIN (EAN)	W _{in} W	W _{in} W	W	lm	K	CRI	I _{avg} (lm)	d _{avg} (mm)	Light type	t _h ³	Energy efficiency class ⁴	RoHS	No.
CLAS A 60 FA S 7W 827 FR E27 ¹	4099854044151	60	E27	7	806	2700	80	108	60	Frosted	25 000	E	10	1
CLAS A 60 FA S 7W 840 FR E27 ¹	4099854044175	60	E27	7	806	4000	80	108	60	Frosted	25 000	E	10	1
CLAS B 60 FA S 7.3W 827 FR E14	4099854086342	60	E14	7.3	806	2700	80	107	37	Frosted	25 000	E	10	2
CLAS B 60 FA S 7.3W 840 FR E14	4099854086366	60	E14	7.3	806	4000	80	107	37	Frosted	25 000	E	10	2
CLAS A 75 FA S 9W 827 FR E27 ¹	4099854044199	75	E27	9	1 055	2700	80	112	60	Frosted	25 000	E	10	1
CLAS A 75 FA S 9W 840 FR E27 ¹	4099854044212	75	E27	9	1 055	4000	80	112	60	Frosted	25 000	E	10	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED STAR CLASSIC A FOR LOW VOLTAGE

LED lamps, classic bulb shape



1



2

PRODUCT FEATURES

- LED lamp for low voltage power system (AC/DC 12V-36V)

PRODUCT BENEFITS

- Fit for off-grid use
- Low energy consumption

AREAS OF APPLICATION

- Battery power system without main connection
- Camping, Camper, Garden house
- Outdoor applications only in suitable luminaires

Product name	GTIN (EAN)	W _{LED}		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]		t _h ³			
ST CLAS A 45 6.5 W/2700 K E27	4099854040368	45	E27	6.5	600	2700	80	112	60	Frosted	25 000		6	1
ST CLAS A 45 6.5 W/4000 K E27 ¹	4058075757608	45	E27	6.5	600	4000	80	118	60	Frosted	20 000		6	1
ST CLAS A 65 9 W/2700 K E27	4099854040467	65	E27	9	940	2700	80	112	60	Frosted	25 000		6	1
ST CLAS A 65 9 W/4000 K E27 ¹	4058075757622	65	E27	9	940	4000	80	118	60	Frosted	20 000		6	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A DIM P

Dimmable LED lamps, classic bulb shape

PERFORM-
MANCE
CLASS



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Long lifetime: up to 25,000 h
- Good quality of light; colour rendering index R_a : 80; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- High colour consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	W _{inc}	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]	Light type	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS A 60 DIM P 8.8W 827 FR E27 ¹	4099854043970	60	E27	8.8	806	2700	80	108	60	Frosted	25 000	E	10	1
CLAS A 75 DIM P 10.5W 827 FR E27 ¹	4099854043994	75	E27	10.5	1055	2700	80	112	60	Frosted	25 000	E	10	1
CLAS A 100 DIM P 14W 827 FR E27 ¹	4099854044014	100	E27	14	1521	2700	80	120	60	Frosted	25 000	E	10	2
CLAS A 150 DIM P 20W 827 FR E27 ¹	4099854044038	150	E27	20	2452	2700	80	137	70	Frosted	25 000	E	10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A P

LED lamps, classic bulb shape

PERFORMANCE CLASS



LEDVANCE
4 year guarantee

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Good quality of light; colour rendering index $R_a: \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	Base	W	lm	K	CRI	$\frac{l}{d}$ [mm]	ϕ [mm]	Light type	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS A 4.9W 827 FR E27 ¹	4099854049460	40	E27	4.9	470	2700	80	95	55	Frosted	15 000	EF	10	3
CLAS A 4.9W 840 FR E27 ¹	4099854049538	40	E27	4.9	470	4000	80	95	55	Frosted	15 000	EF	10	3
CLAS A 8.5W 827 FR E27 ¹	4099854049088	60	E27	8.5	806	2700	80	107	60	Frosted	15 000	EF	10	1
CLAS A 8.5W 840 FR E27 ¹	4099854049149	60	E27	8.5	806	4000	80	107	60	Frosted	15 000	EF	10	1
CLAS A 8.5W 827 FR B22D ¹	4099854049101	60	B22d	8.5	806	2700	80	107	60	Frosted	15 000	EF	10	4
CLAS A 10W 827 FR E27 ¹	4099854048821	75	E27	10	1055	2700	80	113	60	Frosted	15 000	EF	10	2
CLAS A 10W 840 FR E27 ¹	4099854048869	75	E27	10	1055	4000	80	113	60	Frosted	15 000	EF	10	2
CLAS A 13W 827 FR E27 ¹	4099854048944	100	E27	13	1521	2700	80	118	60	Frosted	15 000	EF	10	5
CLAS A 13W 840 FR E27 ¹	4099854048968	100	E27	13	1521	4000	80	118	60	Frosted	15 000	EF	10	5
CLAS A 19W 827 FR E27 ¹	4099854048784	150	E27	19	2452	2700	80	131	65	Frosted	15 000	EF	10	6

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC B DIM AND NON-DIM P

PERFORMANCE CLASS

Dimmable and non-dimmable LED lamps, classic mini-candle shape



Compatibility list also online:
ledvance.com/compatibility



CLASSIC B DIM P

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Lifetime: up to 25,000 h
- Good quality of light; colour rendering index R_a : 80; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- High colour consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
CLAS B 40 DIM P 4.9W 827 FR E14 ¹	4099854044052	40	E14	4.9	470	2700	80	100	35	Frosted	25 000		10	1



CLASSIC B P

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Good quality of light; colour rendering index R_a : ≥ 80 ; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Chandeliers
- Outdoor use in outdoor luminaires only (minimum IP65)

Product name	GTIN (EAN)													
CLAS B 4.9W 827 FR E14 ¹	4099854049309	40	E14	4.9	470	2700	≥ 80	96	37	Frosted	15 000		10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

CLASSIC P DIM AND NON-DIM P

PERFORMANCE CLASS

Dimmable and non-dimmable LED lamps, classic mini-ball shape



1

2



Compatibility list also online:
ledvance.com/compatibility



CLASSIC P DIM P

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Dimmable
- Long lifetime: up to 25,000 h
- Good quality of light; colour rendering index R_a : 80; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- High colour consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
CLAS P 40 DIM P 4.9W 827 FR E14 ¹	4099854 044083	40	E14	4.9	470	2700	80	82	45	Frosted	25 000		10	1



CLASSIC P P

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Good quality of light; colour rendering index R_a : ≥ 80 ; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	$w_{\Delta W}$		W	lm	K	CRI	$\frac{l}{mm}$	$\varnothing d$ [mm]		t_{h1} ³	 ⁴		 No.
CLAS P 4.9W 827 FR E14 ¹	4099854049385	40	E14	4.9	470	2700	≥ 80	79	45	Frosted	15 000		10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

CLASSIC STICK DIM AND NON-DIM S

Dimmable and non-dimmable LED lamps, classic stick shape



Compatibility list also online:
ledvance.com/compatibility



LED CLASSIC STICK S

PRODUCT FEATURES

- LED lamps for line voltage
- Dimmable
- Colour rendering index $R_a \geq 90$

PRODUCT BENEFITS

- Natural light spectrum with outstanding colour rendering of $CRI \geq 90$
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain
- Low energy consumption
- Attractive lamp appearance

AREAS OF APPLICATION

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													No.
CLAS STICK 70 DIM S 11W 927 FR E27	4099854055713	70	E27	11	1000	2700	≥90	121	44	Frosted	25000		10	1
CLAS STICK 75 DIM S 11W 940 FR E27	4099854055751	75	E27	11	1050	4000	≥90	121	44	Frosted	25000		10	1
CLAS STICK 75 DIM S 11W 965 FR E27	4099854055850	75	E27	11	1050	6500	≥90	121	44	Frosted	25000		10	1



CLASSIC STICK P

PRODUCT FEATURES

- LED alternative to conventional lamps
- Lifetime: up to 15,000 h
- Not dimmable
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Low energy consumption
- Attractive lamp appearance
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- All domestic rooms, especially where the lamps are visible
- Wherever compact and efficient lamps are needed
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
CLAS STICK 60 P 8W 827 FR E27	4099854057113	60	E27	8	806	2700	80	116	36	Frosted	15 000		10	2
CLAS STICK 60 P 8W 840 FR E27	4099854057151	60	E27	8	806	4000	80	116	36	Frosted	15 000		10	2
CLAS STICK 75 P 9W 827 FR E27	4099854057175	75	E27	9	1050	2700	80	116	36	Frosted	15 000		10	2
CLAS STICK 75 P 9W 840 FR E27	4099854057250	75	E27	9	1050	4000	80	116	36	Frosted	15 000		10	2

¹ Refer to www.ledvance.com/guarantee for precise conditions | ² L70/B50 | ³ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED REFLECTOR PAR16 AND LED REFLECTOR MR16

SUPERIOR CLASS

LED reflector lamps PAR16 with bajonett base and LED reflector lamps MR16 with pin base, natural daylight



Compatibility list also online:
ledvance.com/compatibility



LED REFLECTOR PAR16

PRODUCT FEATURES

- LED alternative to conventional low voltage lamps
- Dimmable
- Colour rendering index $R_a \geq 90$
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding colour rendering of $CRI > 90$
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)			W	lm	K	CRI						
PAR16 35 36° DIM S 3.7 W 927 GU10 ¹	4058075757783	35	GU10	3.7	230	2700	90	54	50	25 000		10	2
PAR16 35 36° DIM S 3.7 W 927 GU10 ¹	4058075757806	35	GU10	3.7	230	4000	90	54	50	25 000		10	2
PAR16 50 120° DIM S 4.1 W 927 GU10 ¹	4058075757820	32	GU10	4.1	350	2700	90	55	50	25 000		10	1
PAR16 50 120° DIM S 4.1 W 940 GU10 ¹	4058075757844	32	GU10	4.1	350	4000	90	55	50	25 000		10	1
PAR16 50 36° DIM S 4.7 W 927 GU10 ¹	4058075757868	50	GU10	4.7	350	2700	90	54	50	25 000		10	2
PAR16 50 36° DIM S 4.7 W 940 GU10 ¹	4058075757882	50	GU10	4.7	350	4000	90	54	50	25 000		10	2
MR16 35 36° DIM S 5 W 927 GU5.3 ¹	4058075757684	35	GU5.3	5	350	2700	90	44	50	25 000		10	3
MR16 35 36° DIM S 5 W 940 GU5.3 ¹	4058075757707	35	GU5.3	5	350	4000	90	44	50	25 000		10	3
PAR16 80 120° DIM S 5.7W 927 GU10 ¹	4099854048296	46	GU10	6	575	2700	90	54	50	25 000		10	1
PAR16 80 120° DIM S 5.7W 940 GU10 ¹	4099854048319	46	GU10	6	575	4000	90	54	50	25 000		10	1
MR16 50 36° DIM S 8 W 927 GU5.3 ¹	4058075757745	50	GU5.3	8	621	2700	90	44	50	25 000		10	3
MR16 50 36° DIM S 8 W 940 GU5.3 ¹	4058075757769	50	GU5.3	8	621	4000	90	44	50	25 000		10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PAR16 DIM S

LED reflector lamps

SUPERIOR
CLASS

1

2



Compatibility list also online:
ledvance.com/compatibility



2

PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High colour consistency: ≤ 3 SDCM
- Dimmable
- Base: GU10
- Lamp made of glass
- Excellent colour rendering: 97

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
PAR16 35 36° DIM S 3.4W 927 GU10 ¹	4099854059810	35	GU10	3.4	230	400	2700	97	36	50	40 000		10	1
PAR16 35 36° DIM S 3.4W 930 GU10 ¹	4099854059834	35	GU10	3.4	230	400	3000	97	36	50	40 000		10	1
PAR16 35 36° DIM S 3.4W 940 GU10 ¹	4099854059858	35	GU10	3.4	230	400	4000	97	36	50	40 000		10	1
PAR16 50 36° DIM S 6W 927 GU10 ¹	4099854058998	50	GU10	6	350	700	2700	97	36	50	40 000		10	1
PAR16 50 36° DIM S 6W 930 GU10 ¹	4099854059032	50	GU10	6	350	700	3000	97	36	50	40 000		10	1
PAR16 50 36° DIM S 6W 940 GU10 ¹	4099854059070	50	GU10	6	350	700	4000	97	36	50	40 000		10	1
PAR16 80 36° DIM S 9.5W 927 GU10 ¹	4099854070792	80	GU10	9.5	575	840	2700	97	36	50	40 000		10	2
PAR16 80 36° DIM S 9.5W 930 GU10 ¹	4099854070815	80	GU10	9.5	575	840	3000	97	36	50	40 000		10	2
PAR16 80 36° DIM S 9.5W 940 GU10 ¹	4099854070839	80	GU10	9.5	575	840	4000	97	36	50	40 000		10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PAR16 DIM P

Dimmable LED reflector lamps PAR16 with retrofit pin base

PERFORMANCE CLASS



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High colour consistency: ≤ 5 SDCM
- Dimmable
- Lamp made of glass
- Very high colour rendering ($R_a: 90$)

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	E	W	lm	cd	K	CRI	Beam angle	Ø d (mm)	t ₉₀ (h)	Energy efficiency class	Energy efficiency class	No.
PAR16 50 36° DIM P 4.8W 927 E14 ¹	4099854071393	50	E14	4.8	350	600	2700	90	36	50	25 000	F	10	1
PAR16 35 36° DIM P 3.4W 927 GU10 ¹	4099854059872	35	GU10	3.4	230	400	2700	90	36	50	25 000	F	10	2
PAR16 35 36° DIM P 3.4W 930 GU10 ¹	4099854059896	35	GU10	3.4	230	400	3000	90	36	50	25 000	F	10	2
PAR16 35 36° DIM P 3.4W 940 GU10 ¹	4099854059919	35	GU10	3.4	230	400	4000	90	36	50	25 000	F	10	2
PAR16 50 36° DIM P 4.5W 927 GU10 ¹	4099854044984	50	GU10	4.5	350	600	2700	90	36	50	15 000	F	10	3
PAR16 50 36° DIM P 4.5W 927 GU10 ¹	4099854044908	50	GU10	4.5	350	600	2700	90	36	50	15 000	F	50	3
PAR16 50 36° DIM P 4.5W 930 GU10 ¹	4099854045462	50	GU10	4.5	350	600	3000	90	36	50	25 000	F	10	3
PAR16 50 36° DIM P 4.5W 930 GU10 ¹	4099854045448	50	GU10	4.5	350	600	3000	90	36	50	15 000	F	50	3
PAR16 50 36° DIM P 4.5W 940 GU10 ¹	4099854045509	50	GU10	4.5	350	600	4000	90	36	50	15 000	F	10	3
PAR16 50 36° DIM P 4.5W 940 GU10 ¹	4099854045486	50	GU10	4.5	350	600	4000	90	36	50	15 000	F	50	3
PAR16 80 120° DIM P 7.9W 927 GU10 ¹	4099854059018	51	GU10	7.9	650	210	2700	90	120	50	25 000	F	10	4
PAR16 80 120° DIM P 7.9W 930 GU10 ¹	4099854059094	51	GU10	7.9	650	210	3000	90	120	50	25 000	F	10	4
PAR16 80 120° DIM P 7.9W 940 GU10 ¹	4099854059131	51	GU10	7.9	650	210	4000	90	120	50	25 000	F	10	4
PAR16 80 60° DIM P 8.3W 927 GU10 ¹	4099854058752	80	GU10	8.3	575	560	2700	90	60	50	25 000	F	10	3
PAR16 80 36° DIM P 8.3W 927 GU10 ¹	4099854059117	80	GU10	8.3	575	840	2700	90	36	50	25 000	F	10	3
PAR16 80 60° DIM P 8.3W 930 GU10 ¹	4099854058868	80	GU10	8.3	575	560	3000	90	60	50	25 000	F	10	3
PAR16 80 36° DIM P 8.3W 930 GU10 ¹	4099854058578	80	GU10	8.3	575	840	3000	90	36	50	25 000	F	10	3
PAR16 80 60° DIM P 8.3W 940 GU10 ¹	4099854058943	80	GU10	8.3	575	560	4000	90	60	50	25 000	F	10	3
PAR16 80 36° DIM P 8.3W 940 GU10 ¹	4099854058738	80	GU10	8.3	575	840	4000	90	36	50	25 000	F	10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² 4099854071393, 4099854044984, 4099854045462, 4099854045509 | ^{3,4} Refer to www.ledvance.com/guarantee for precise conditions | ⁴ 4099854044908, 4099854045448, 4099854045486 | ⁵ L70/B50 | ⁶ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PAR16 DIM P

Dimmable LED reflector lamps PAR16 with retrofit pin base

PERFORMANCE CLASS



1



Compatibility list also online:
ledvance.com/compatibility



2

PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High colour consistency: ≤ 5 SDCM
- Dimmable
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W	W	lm	cd	K	CRI	°	d (mm)	t (h)	°	°	No.
PAR16 100 36° DIM P 9.6W 827 GU10 ¹	4099854070853	100	GU10	9.6	750	1100	2700	80	36	50	25 000	10	1
PAR16 100 36° DIM P 9.6W 830 GU10 ¹	4099854070877	100	GU10	9.6	750	1100	3000	80	36	50	25 000	10	1
PAR16 100 36° DIM P 9.6W 840 GU10 ¹	4099854070891	100	GU10	9.6	750	1100	4000	80	36	50	25 000	10	1

¹ Protection class: IP20 | ² All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value |

² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PAR16 P

LED reflector lamps PAR16 with retrofit pin base



PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High colour consistency: ≤ 6 SDCM
- Not dimmable
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	Base	W	lm	cd	K	CRI	Beam angle	Ø d [mm]	t ₉₀ [h]	Energy efficiency class	RoHS	No.
PAR16 50 120° P 4.3W 827 GU10 ¹	4099854045165	32	GU10	4.3	350	100	2700	80	120	50	15000		10	3
PAR16 50 120° P 4.3W 830 GU10 ¹	4099854045189	32	GU10	4.3	350	100	3000	80	120	50	15000		10	3
PAR16 50 120° P 4.3W 865 GU10 ¹	4099854044588	32	GU10	4.3	350	100	4000	80	120	50	15000		10	3
PAR16 35 36° P 2.6W 827 GU10 ¹	4099854044687	35	GU10	2.6	230	400	2700	80	36	50	15000		10	2
PAR16 35 36° P 2.6W 830 GU10 ¹	4099854044731	35	GU10	2.6	230	400	3000	80	36	50	15000		10	2
PAR16 35 36° P 2.6W 840 GU10 ¹	4099854044755	35	GU10	2.6	230	400	4000	80	36	50	15000		10	2
PAR16 80 120° P 6.9W 827 GU10 ¹	4099854055034	49	GU10	6.9	620	160	2700	80	120	50	15000		10	4
PAR16 80 120° P 6.9W 830 GU10 ¹	4099854055058	49	GU10	6.9	620	160	3000	80	120	50	15000		10	4
PAR16 80 120° P 6.9W 840 GU10 ¹	4099854055133	49	GU10	6.9	620	170	4000	80	120	50	15000		10	4
PAR16 50 36° P 4.3W 827 GU10 ¹	4099854045752	50	GU10	4.3	350	600	2700	80	36	50	10000		50	2
PAR16 50 36° P 4.3W 827 GU10 ¹	4099854045660	50	GU10	4.3	350	600	2700	80	36	50	15000		10	2
PAR16 50 36° P 4.3W 830 GU10 ¹	4099854068119	50	GU10	4.3	350	600	3000	80	36	50	10000		50	2
PAR16 50 36° P 4.3W 830 GU10 ¹	4099854067891	50	GU10	4.3	350	600	3000	80	36	50	15000		10	2
PAR16 50 36° P 4.3W 840 GU10 ¹	4099854068010	50	GU10	4.3	350	600	4000	80	36	50	15000		10	2
PAR16 50 36° P 4.3W 840 GU10 ¹	4099854068133	50	GU10	4.3	350	600	4000	80	36	50	10000		50	2
PAR16 50 36° P 4.5W 827 E14 ¹	4099854071379	50	E14	4.5	350	700	2700	80	36	50	10000		10	1
PAR16 80 60° P 6.9W 827 GU10 ¹	4099854055928	80	GU10	6.9	575	700	2700	80	60	50	15000		10	5
PAR16 80 36° P 6.9W 827 GU10 ¹	4099854054785	80	GU10	6.9	575	860	2700	80	36	50	15000		10	5
PAR16 80 60° P 6.9W 830 GU10 ¹	4099854054891	80	GU10	6.9	575	700	3000	80	60	50	15000		10	5
PAR16 80 36° P 6.9W 830 GU10 ¹	4099854054808	80	GU10	6.9	575	860	3000	80	36	50	15000		10	5
PAR16 80 60° P 6.9W 840 GU10 ¹	4099854054976	80	GU10	6.9	575	750	4000	80	60	50	15000		10	5
PAR16 80 36° P 6.9W 840 GU10 ¹	4099854054860	80	GU10	6.9	575	910	4000	80	36	50	15000		10	5
PAR16 100 36° P 9.6W 827 GU10 ¹	4099854070952	100	GU10	9.6	750	1100	2700	80	36	50	15000		10	2
PAR16 100 36° P 9.6W 830 GU10 ¹	4099854070990	100	GU10	9.6	750	1100	3000	80	36	50	15000		10	2
PAR16 100 36° P 9.6W 840 GU10 ¹	4099854071058	100	GU10	9.6	750	1100	4000	80	36	50	15000		10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² 4099854044687, 4099854044731, 4099854044755, 4099854045660, 4099854070952, 4099854070990, 4099854071058 | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PAR16 V

LED reflector lamps PAR16 with retrofit pin base



PRODUCT FEATURES

- LED alternative to halogen lamps
- Not dimmable
- Base: GU10
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W	lm	cd	K	CRI	°	Ø d (mm)	t _h 2	3	4	5	6
PAR16 80 120° V 6.9W 830 GU10 ¹	4099854055096	49	GU10	6.9	620	160	3000	80	120	50	10 000	EF	10	1
PAR16 80 120° V 6.9W 840 GU10 ¹	4099854055157	49	GU10	6.9	620	170	4000	80	120	50	10 000	EF	10	1
PAR16 80 120° V 6.9W 865 GU10 ¹	4099854055256	49	GU10	6.9	620	170	6500	80	120	50	10 000	EF	10	1
PAR16 50 36° V 4.3W 830 GU10 ¹	4099854067914	50	GU10	4.3	350	600	3000	80	36	50	10 000	EF	10	2
PAR16 50 36° V 4.3W 840 GU10 ¹	4099854067976	50	GU10	4.3	350	600	4000	80	36	50	10 000	EF	10	2
PAR16 50 36° V 4.3W 865 GU10 ¹	4099854045080	50	GU10	4.3	350	600	6500	80	36	50	10 000	EF	10	2
PAR16 80 36° V 6.9W 830 GU10 ¹	4099854054822	80	GU10	6.9	575	860	3000	80	36	50	10 000	EF	10	3
PAR16 80 36° V 6.9W 840 GU10 ¹	4099854055331	80	GU10	6.9	575	910	4000	80	36	50	10 000	EF	10	3
PAR16 80 36° V 6.9W 865 GU10 ¹	4099854055379	80	GU10	6.9	575	910	6500	80	36	50	10 000	EF	10	3
PAR16 80 60° V 6.9W 830 GU10 ¹	4099854054938	80	GU10	6.9	575	700	3000	80	60	50	10 000	EF	10	3
PAR16 80 60° V 6.9W 840 GU10 ¹	4099854054990	80	GU10	6.9	575	750	4000	80	60	50	10 000	EF	10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² L70/B50 | ³ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED MR16 DIM S

SUPERIOR
CLASS

Dimmable low-voltage LED reflector lamps MR16 with retrofit pin base



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED alternative to low voltage halogen lamps
- High colour consistency: ≤ 3 SDCM
- Dimmable
- Base: GU5.3
- Lamp made of glass
- Excellent colour rendering 97

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs and cost savings thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
MR16 20 36° DIM S 3.6W 927 GU5.3 ¹	4099854070501	20	GU5.3	3.6	230	500	2700	97	36	50	40 000		10	1
MR16 20 36° DIM S 3.6W 930 GU5.3 ¹	4099854070525	20	GU5.3	3.6	230	500	3000	97	36	50	40 000		10	1
MR16 20 36° DIM S 3.6W 940 GU5.3 ¹	4099854070549	20	GU5.3	3.6	230	500	4000	97	36	50	40 000		10	1
MR16 35 36° DIM S 6.3W 927 GU5.3 ¹	4099854058776	35	GU5.3	5.3	345	620	2700	97	36	51	40 000		10	2
MR16 35 36° DIM S 6.3W 930 GU5.3 ¹	4099854058837	35	GU5.3	5.3	345	620	3000	97	36	51	40 000		10	2
MR16 35 36° DIM S 6.3W 940 GU5.3 ¹	4099854058929	35	GU5.3	5.3	345	620	4000	97	36	51	40 000		10	2
MR16 43 36° DIM S 7.8W 927 GU5.3 ¹	4099854048111	43	GU5.3	6.6	500	850	2700	97	36	50	40 000		10	3
MR16 43 36° DIM S 7.8W 930 GU5.3 ¹	4099854048159	43	GU5.3	6.6	500	850	3000	97	36	50	40 000		10	3
MR16 43 36° DIM S 7.8W 940 GU5.3 ¹	4099854048234	43	GU5.3	6.6	500	850	4000	97	36	50	40 000		10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED MR16 DIM P

Dimmable low-voltage LED reflector lamps MR16 with retrofit pin base

PERFORMANCE CLASS



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED alternative to low voltage halogen lamps
- High colour consistency: ≤ 5 SDCM
- Dimmable
- Base: GU5.3
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
MR16 20 36° DIM P 3.4W 927 GU5.3 ¹	4099854070563	20	GU5.3	3.4	230	500	2700	90	36	50	25 000		10	2
MR16 20 36° DIM P 3.4W 930 GU5.3 ¹	4099854070594	20	GU5.3	3.4	230	500	3000	90	36	50	25 000		10	2
MR16 20 36° DIM P 3.4W 940 GU5.3 ¹	4099854070617	20	GU5.3	3.4	230	500	4000	90	36	50	25 000		10	2
MR16 35 36° DIM P 5W 927 GU5.3 ¹	4099854059698	35	GU5.3	5	345	700	2700	90	36	50	25 000		10	3
MR16 35 36° DIM P 5W 930 GU5.3 ¹	4099854059711	35	GU5.3	5	345	700	3000	90	36	50	25 000		10	3
MR16 35 36° DIM P 5W 940 GU5.3 ¹	4099854059735	35	GU5.3	5	345	700	4000	90	36	50	25 000		10	3
MR16 50 36° DIM P 8W 927 GU5.3 ¹	4099854050473	50	GU5.3	8	621	1150	2700	90	36	50	25 000		10	1
MR16 50 36° DIM P 8W 930 GU5.3 ¹	4099854050497	50	GU5.3	8	621	1150	3000	90	36	50	25 000		10	1
MR16 50 36° DIM P 8W 940 GU5.3 ¹	4099854050510	50	GU5.3	8	621	1150	4000	90	36	50	25 000		10	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED MR16 P

PERFORMANCE CLASS

Low-voltage LED reflector lamps MR16 with retrofit pin base



1 2



PRODUCT FEATURES

- LED alternative to low voltage halogen lamps
- High colour consistency: ≤ 6 SDCM
- Not dimmable
- Base: GU5.3
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	W _{LED}	W	lm	cd	K	CRI	Beam angle	Ø d (mm)	t _h (h)	Energy efficiency class	RoHS	Warranty
MR16 20 36° P 2.6W 827 GU5.3 ¹	4099854059759	20	GU5.3	2.6	210	500	2700	80	36	50	15 000	EF	10	2
MR16 20 36° P 2.6W 830 GU5.3 ¹	4099854059773	20	GU5.3	2.6	210	500	3000	80	36	50	15 000	EF	10	2
MR16 20 36° P 2.6W 840 GU5.3 ¹	4099854059797	20	GU5.3	2.6	210	500	4000	80	36	50	15 000	EF	10	2
MR16 35 36° P 3.8W 827 GU5.3 ¹	4099854068058	35	GU5.3	3.8	345	700	2700	80	36	50	15 000	EF	10	1
MR16 35 36° P 3.8W 830 GU5.3 ¹	4099854068072	35	GU5.3	3.8	345	700	3000	80	36	50	15 000	EF	10	1
MR16 35 36° P 3.8W 840 GU5.3 ¹	4099854068096	35	GU5.3	3.8	345	700	4000	80	36	50	15 000	EF	10	1
MR16 50 36° P 6.3W 827 GU5.3 ¹	4099854047817	50	GU5.3	6.5	621	1150	2700	80	36	50	15 000	EF	10	1
MR16 50 36° P 6.3W 830 GU5.3 ¹	4099854047992	50	GU5.3	6.5	621	1150	3000	80	36	50	15 000	EF	10	1
MR16 50 36° P 6.3W 840 GU5.3 ¹	4099854048036	50	GU5.3	6.5	621	1150	4000	80	36	50	15 000	EF	10	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² 4099854059773, 4099854047992 |

^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED MR11 DIM AND NON-DIM P

PERFORMANCE CLASS

Dimmable and non-dimmable low-voltage LED reflector lamps MR11 with retrofit pin base



1



Compatibility list also online:
ledvance.com/compatibility

LEDVANCE
4 year guarantee

PRODUCT FEATURES

- LED alternative to low voltage halogen lamps
- High colour consistency: ≤ 6 SDCM
- Base: G4
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

LED MR11 DIM P

Product name	GTIN (EAN)	W _W	Base	W	lm	cd	K	CRI	Beam angle	Ø d (mm)	t _h	Energy efficiency class	Dimmable	No.
MR11 20 36° DIM P 2.8W 927 GU4 ¹	4099854050206	20	GU4	2.8	184	350	2700	90	36	35	25 000	F	10	1
MR11 35 36° DIM P 4.5W 927 GU4 ¹	4099854050268	35	GU4	4.5	345	500	2700	90	36	35	25 000	F	10	1



LEDVANCE
4 year guarantee

LED MR11 P

Product name	GTIN (EAN)	W _W	Base	W	lm	cd	K	CRI	Beam angle	Ø d (mm)	t _h	Energy efficiency class	Dimmable	No.
MR11 20 36° P 2.5W 827 GU4 ¹	4099854070365	20	GU4	2.5	184	400	2700	80	36	35	15 000	F	10	1
MR11 20 36° P 2.5W 840 GU4 ¹	4099854070396	20	GU4	2.5	184	400	4000	80	36	35	15 000	F	10	1
MR11 35 36° P 4.2W 827 GU4 ¹	4099854050329	35	GU4	4.2	345	700	2700	80	36	35	15 000	F	10	1
MR11 35 36° P 4.2W 840 GU4 ¹	4099854050350	35	GU4	4.2	345	700	4000	80	36	35	15 000	F	10	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PAR 20/30/38 DIM P

PERFORMANCE CLASS

Dimmable LED reflector lamps with retrofit screw base



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High colour consistency: ≤ 6 SDCM
- Dimmable
- Base: E27
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W $\pm$ W	E	W	lm	cd	K	CRI	α°	$\varnothing$ d [mm]	t [h]	λ	λ	No.
PAR20 50 36° DIM P 6.4 927 E27 ¹	4099854071133	50	E27	6.4	350	750	2700	≥ 90	36	65	25 000		6	1
PAR30 75 36° DIM P 10W 927 E27 ¹	4099854071195	75	E27	10	633	1500	2700	≥ 90	36	95	25 000		6	2
PAR38 120 30° DIM P 15.2W 927 E27 ¹	4099854071270	120	E27	15.2	1035	2800	2700	≥ 90	30	122	25 000		6	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PAR38 P

LED reflector lamps PAR38 with retrofit screw base

PERFORM-
MANCE
CLASS

1

LEDVANCE
4 year
guarantee

2

PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High colour consistency: ≤ 6 SDCM
- Not dimmable
- Base: E27
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W	W	lm	cd	K	CRI	°	d (mm)	t _h	°	h	h	No.
PAR38 120 15° P 12W 827 E27 ¹	4099854067808	120	E27	13.5	1035	6800	2700	80	15	122	25 000	EF	6	1
PAR38 120 30° P 12W 827 E27 ¹	4099854067822	120	E27	13.5	1035	2600	2700	80	30	122	25 000	EF	6	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED AR111 DIM S

SUPERIOR CLASS

Low-voltage LED reflector lamps AR111 with retrofit pin base



1



Compatibility list also online:
ledvance.com/compatibility



2

PRODUCT FEATURES

- LED alternative to low voltage halogen lamps
- High colour consistency: ≤ 4 SDCM
- Dimmable
- Base: G53
- Excellent colour rendering ($R_a: 97$)

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W Δ W		W	lm	cd	K	CRI		$\varnothing$ d [mm]	t _h °C			
AR111 50 24° S 7.4W 927 G53 ¹	4099854048524	50	G53	7.4	450	1800	2700	97	24	110.7	40 000		6	1
AR111 50 40° S 7.4W 927 G53 ¹	4099854048708	50	G53	7.4	450	1000	2700	97	40	110.7	40 000		6	1
AR111 50 24° S 7.4W 930 G53 ¹	4099854048548	50	G53	7.4	450	1800	3000	97	24	110.7	40 000		6	1
AR111 50 40° S 7.4W 930 G53 ¹	4099854048845	50	G53	7.4	450	1000	3000	97	40	110.7	40 000		6	1
AR111 75 24° S 11.7W 927 G53 ¹	4099854048982	75	G53	11.7	800	2800	2700	97	24	110.7	40 000		6	1
AR111 75 40° S 11.7W 927 G53 ¹	4099854049125	75	G53	11.7	800	1600	2700	97	40	110.7	40 000		6	1
AR111 75 24° S 11.7W 930 G53 ¹	4099854049040	75	G53	11.7	800	2800	3000	97	24	110.7	40 000		6	1
AR111 75 40° S 11.7W 930 G53 ¹	4099854049163	75	G53	11.7	800	1600	3000	97	40	110.7	40 000		6	1
AR111 75 24° S 11.7W 940 G53 ¹	4099854049064	75	G53	11.7	800	2800	4000	97	24	110.7	40 000		6	1
AR111 100 24° DIM S 13.5W 927 G53 ¹	4099854070655	100	G53	13.5	950	2500	2700	97	24	111	40 000		6	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED R50/R63/R80

SUPERIOR
CLASS

Dimmable LED reflector lamps with screw base, natural daylight



1 2 3

Compatibility list also online:
ledvance.com/compatibility

PRODUCT FEATURES

- LED alternative to conventional low voltage lamps
- Dimmable
- Colour rendering index $R_a \geq 90$
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding colour rendering of $CRI > 90$
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	t _h	$\frac{l}{d}$	$\frac{d}{d}$	No.
R50 60 36° DIM S 4.8W 927 E14 ¹	4099854059179	60	E14	4.8	345	2700	90	85	50	25 000	10	1
R50 60 36° DIM S 4.8W 940 E14 ¹	4099854059216	60	E14	4.8	345	4000	90	85	50	25 000	10	1
R63 60 36° DIM S 4.9W 927 E27 ¹	4099854048456	60	E27	4.9	345	2700	90	98	62.9	25 000	10	2
R80 60 36° DIM S 4.9W 927 E27 ¹	4099854048418	60	E27	4.9	345	2700	90	105	80	25 000	10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ³ 4099854048456, 4099854048418 | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED R50/R63/R80 DIM P

PERFORM-
MANCE
CLASS

Dimmable LED reflector lamps with retrofit screw base



1 2 3



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High colour consistency: ≤ 5 SDCM
- Dimmable
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
R50 60 36° DIM P 5.9W 927 E14 ¹	4099854058608	60	E14	5.9	350	607	2700	90	36	50	25 000		10	1
R63 60 36° DIM P 4.9W 927 E14 ¹	4099854047954	60	E27	4.9	345	550	2700	90	36	63	25 000		10	2
R80 60 36° DIM P 4.9W 927 E27 ¹	4099854051234	60	E27	4.9	345	550	2700	90	36	80	25 000		10	3
R80 100 36° DIM P 8.5W 827 E27 ¹	4099854051258	100	E27	8.5	670	1 000	2700	80	36	80	25 000		10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED R39/R50/R63/R80

LED reflector lamps with retrofit screw base



PERFORM-
ANCE
CLASS

LEDVANCE
3
year
guarantee

PRODUCT FEATURES

- LED alternative to high voltage halogen lamp
- High colour consistency: ≤ 6 SDCM
- Not dimmable
- Lamp made of glass

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W $\triangle$ W		W	lm	cd	K	CRI		$\varnothing$ d [mm]	t [h]			No.
ST R39 25 36° 1.5 W/2700 K E14 ¹	4058075433243	25	E14	1.5	110	248	2700	80	36	39	15 000		6	1
R50 25 36° P 1.5W 827 E14 ¹	4099854058639	25	E14	1.5	110	248	2700	80	36	50	15 000		10	2
R50 40 36° P 2.6W 827 E14 ¹	4099854058660	40	E14	2.6	210	398	2700	80	36	50	15 000		10	2
R50 60 36° P 4.3W 827 E14 ¹	4099854058714	60	E14	4.3	350	582	2700	80	36	50	15 000		10	2
R63 40 36° P 2.9W 827 E27 ¹	4099854048012	40	E27	2.9	210	430	2700	80	36	63	15 000		10	3
R63 60 36° P 4.8W 827 E27 ¹	4099854048371	60	E27	4.8	350	650	2700	80	36	63	15 000		10	3
R80 60 36° P 4.8W 827 E27 ¹	4099854050091	60	E27	4.8	350	650	2700	80	36	80	15 000		10	4
R80 100 36° P 8.5W 827 E27 ¹	4099854050114	100	E27	8.5	670	1 000	2700	80	36	80	15 000		10	4

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED STAR GX53

Flat LED Lamp with GX53 socket



1



PRODUCT FEATURES

- 230 V line voltage operation
- High colour consistency: ≤ 6 SDCM
- Not dimmable
- Type of protection: IP20
- Very long average lifetime: 15,000 h

PRODUCT BENEFITS

- Compact dimensions
- Easy installation
- Excellent luminous efficiency
- Good quality of light
- Low weight and low profile

AREAS OF APPLICATION

- Area lighting
- As a downlight for marking walkways, doors, stairs, etc.
- Background lighting
- Domestic applications
- Entrance lighting

Product name	GTIN (EAN)													
ST GX53 40 120° 4.9 W/2700 K GX53 ¹	4058075433441	40	GX53	4.9	470	2700	80	28	75	120	15 000		6	1
ST GX53 40 120° 4.9 W/4000 K GX53 ¹	4058075433465	40	GX53	4.9	470	4000	80	28	75	120	15 000		6	1

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED SPECIAL T26

Small special LED lamps with E14 screw base



PRODUCT FEATURES

- LED alternative to conventional high voltage lamps
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Extremely small dimensions
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Long lifetime of up to 15,000 h

AREAS OF APPLICATION

- Small designer luminaires
- Domestic refrigerators
- Sewing machines
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _g W		W	lm	K	CRI							
SPC.T26 5 1.6 W/2400 K E14 ¹	4058075432819	5	E14	1.6	50	2400	80	63	26	320	15 000		6	1
SPC.T26 10 P 1.3W 827 FIL E14 ¹	4099854066108	10	E14	1.3	110	2700	80	65	26	300	15 000		20	1
SPC.T26 20 P 2.3W 827 FR E14 ¹	4099854066993	20	E14	2.3	200	2700	80	58	25	200	15 000		20	2
SPC.T26 20 P 2.3W 865 FR E14 ¹	4099854067020	20	E14	2.3	200	6500	80	58	25	200	15 000		20	2
SPC.T26 25 P 2.8W 827 FIL E14 ¹	4099854066320	25	E14	2.8	250	2700	80	65	26	300	15 000		20	3
SPC.T26 25P 2.8W 865 FIL E14 ¹	4099854066498	25	E14	2.8	250	6500	80	65	26	300	15 000		20	3
SPC.T26 40 P 4.2W 827 FIL E14 ¹	4099854066665	40	E14	4.2	470	2700	80	83	25	300	15 000		20	4
SPC.T26 55 6.5 W/2700 K E14 ¹	4058075432963	55	E14	6.5	730	2700	80	80	25	320	15 000		6	4

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ³ 4058075432819, 4058075432963 | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED SPECIAL T SLIM DIM AND NON-DIM

Dimmable and non-dimmable slim LED lamps



Compatibility list also online:
ledvance.com/compatibility



LED SPECIAL T SLIM DIM

PRODUCT FEATURES

- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- LED alternative to conventional high voltage lamps
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Easy replacement of halogen lamps thanks to compact design
- Ideal in particular for many small designer luminaires
- Lower thermal output (compared with the standard reference product)
- Three year guarantee

AREAS OF APPLICATION

- Small designer luminaires
- Wherever compact and efficient lamps are needed
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	Base	W	lm	K	CRI	$\frac{l}{d}$ (mm)	ϕ d (mm)	α°	t _h (h) ⁴	Energy efficiency class ⁵	Superior class	No.
T SLIM DIM 60 320° 7 W/2700 K E14 ¹	4058075607316	60	E14	7	806	2700	80	92	20	320	15000	E	6	1
T SLIM DIM 60 320° 7 W/2700 K GU10 ¹	4058075607378	60	GU10	7	806	2700	80	82	20	320	15000	E	6	2
T SLIM DIM 60 320° 7.3 W/2700 K E27 ¹	4058075607347	60	E27	7.3	806	2700	80	90	32	320	15000	E	6	3
T SLIM DIM 75 320° 9 W/2700 K B15d ¹	4058075607194	75	B15d	9	1055	2700	80	100	18	320	15000	E	4	4

LED SPECIAL T SLIM

PRODUCT FEATURES

- LED replacement for halogen lamps with B15d base
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity
- Not dimmable

PRODUCT BENEFITS

- Easy replacement of halogen lamps thanks to compact design
- Ideal in particular for many small designer luminaires
- Long lifetime of up to 15,000 h
- Very low energy consumption

AREAS OF APPLICATION

- Small designer luminaires
- Luxurious living areas
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	Base	W	lm	K	CRI	$\frac{l}{d}$ (mm)	ϕ d (mm)	α°	t _h (h) ⁴	Energy efficiency class ⁵	Superior class	No.
SPC.T SLIM 60 320° 7 W/2700 K B15d ¹	4058075606968	60	B15d	7	806	2700	80	90	18	320	15000	E	4	5

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ³ 4058075606968 | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PIN 12 V DIM

Dimmable low-voltage 12 V LED lamps with retrofit pin base



1

2



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4, GY6.35

PRODUCT BENEFITS

- Variable use at Direct Current and Alternating Current
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Very long lifetime of up to 25,000 h

AREAS OF APPLICATION

- Decorative applications
- Atmospheric accent lighting throughout the home
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
PIN20 DIM P 2 W 827 CL G4 ¹	4099854 064661	20	G4	2	200	2700	80	40	15	320	25 000		20	1
DIM PIN 40 320° 4.5 W/2700 K GY6.35 ¹	4058075 607255	40	GY6.35	4.5	470	2700	80	50	18	320	20 000		6	2

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ³ 4058075607255 | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PIN MICRO 12 V

Small sized low-voltage 12 V LED lamps with retrofit pin base



1



Compatibility list also online:
ledvance.com/compatibility



2

PRODUCT FEATURES

- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4

PRODUCT BENEFITS

- Extremely small dimensions
- Variable use at Direct Current and Alternating Current
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Long lifetime of up to 15,000 h

AREAS OF APPLICATION

- Decorative applications
- Atmospheric accent lighting throughout the home
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
PIN MICRO 10 300° 1 W/2700 K G4 ¹	4058075523098	10	G4	1	100	2700	80	30	10	300	15 000		6	1

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PIN 12V

Low-voltage 12 V LED lamps with retrofit pin base

PERFORMANCE CLASS



Compatibility list also online:
ledvance.com/compatibility

12V
AC/DCLEDVANCE
4 year
guarantee

PRODUCT FEATURES

- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4, GY6.35

PRODUCT BENEFITS

- Variable use at Direct Current and Alternating Current
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Long lifetime of up to 15,000 h

AREAS OF APPLICATION

- Decorative applications
- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{gW}		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]	Δ	t _h ³			
PIN10 P 0.9 W 827 CL G4 ¹	4099854064722	10	G4	0.9	100	2700	80	33	12	320	15 000		20	1
PIN20 P 1.8 W 827 CL G4 ¹	4099854064753	20	G4	1.8	200	2700	80	36	13	320	15 000		20	1
PIN28 P 2.6 W 827 CL G4 ¹	4099854048616	28	G4	2.6	300	2700	80	40	14	320	15 000		20	2
PIN28 P 2.6 W 827 CL GY6.35 ¹	4099854048470	28	GY6.35	2.6	300	2700	80	40	14	320	15 000		20	3
PIN40 P 4 W 827 CL GY6.35 ¹	4099854064692	40	GY6.35	4	470	2700	80	50	18	320	15 000		20	4

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED BASE PIN G4 12 V

Special LED lamps



Compatibility list also online:
ledvance.com/compatibility

12V
AC/DC

PRODUCT FEATURES

- LED alternative to conventional low voltage lamps
- Mercury-free lamps

PRODUCT BENEFITS

- Low energy consumption
- Ideal for decorative and free-burning applications

AREAS OF APPLICATION

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Foyers, offices
- Outdoor use in suitable outdoor luminaires only

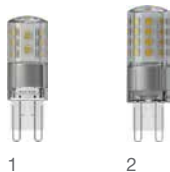
Product name	GTIN (EAN)	W _{LED}		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]	Δ°	t _h ²	³		 No.
BASE PIN 10 0.9 W/2700 K G4 ¹	4058075758001	10	G4	0.9	100	2700	80	33	12	320	10 000		50	1
BASE PIN 20 1.8 W/2700 K G4 ¹	4058075758025	20	G4	1.8	200	2700	80	36	13	320	10 000		50	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² L70/B50 | ³ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PIN G9 DIM

Dimmable LED lamps with retrofit pin base G9

PERFORMANCE CLASS



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- LED alternative to high voltage halogen lamps

PRODUCT BENEFITS

- Good all-around light emission
- Very long lifetime of up to 25,000 h
- Ideal for decorative and free-burning applications
- Five year guarantee

AREAS OF APPLICATION

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W	W	lm	K	CRI	I [mm]	d [mm]	°	t _h	°	°	°	°
PIN30 DIM P 3W 827 CL G9 ¹	4099854048586	30	G9	3	320	2700	80	52	16	300	25 000	20	1	
PIN40 DIM P 4 W 827 CL G9 ¹	4099854064814	40	G9	4	470	2700	80	59	18	320	25 000	20	2	

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PIN G9

PERFORMANCE CLASS

LED lamps with retrofit pin base G9

LEDVANCE
4 year guarantee

PRODUCT FEATURES

- LED alternative to conventional high voltage lamps
- Good quality of light; colour rendering index $R_a: \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Good all-around light emission
- Long lifetime of up to 15,000 h
- Four year guarantee

AREAS OF APPLICATION

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{in} W	W	lm	K	CRI	$\frac{l}{d}$ [mm]	ϕ [mm]	α°	t _h ³	η ⁴	Energy efficiency class	Light output [lm]	No.
PIN20 P 1.9 W 827 CL G9 ¹	4099854064579	20	G9	1.9	200	2700	80	46	15	300	15 000	E	20	1
PIN30 P 2.6 W 827 CL G9 ¹	4099854064548	30	G9	2.6	320	2700	80	47	15	300	15 000	E	20	2
PIN30 P 2.6 W 840 CL G9 ¹	4099854064517	30	G9	2.6	320	4000	80	47	15	300	15 000	E	20	2
PIN40 P 4.2 W 827 CL G9 ¹	4099854064609	40	G9	4.2	470	2700	80	52	19	300	15 000	E	20	3
PIN40 P 4.2 W 840 CL G9 ¹	4099854064630	40	G9	4.2	470	4000	80	52	19	300	15 000	E	20	3
PIN50 P 4.8 W 827 CL G9 ¹	4099854064784	50	G9	4.8	600	2700	80	59	18	320	15 000	E	20	4
PIN50 P 4.8 W 840 CL G9 ¹	4099854064845	50	G9	4.8	600	4000	80	59	18	320	15 000	E	20	4

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50s | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED PIN G9

LED lamps with retrofit pin base G9



LEDVANCE²
4 year
guarantee

LED PIN G9 FROSTED

PRODUCT FEATURES

- LED alternative to conventional high voltage lamps
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Good all-around light emission
- Long lifetime of up to 15,000 h
- Ideal for decorative and free-burning applications
- Three year guarantee

AREAS OF APPLICATION

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	wΔW		W	lm	K	CRI	$\frac{l}{d}$ (mm)	$\frac{\phi}{d}$ (mm)	α°	t_{90} ³	η ⁴		No.
PIN 19 1.9 W/2700 K G9 ¹	4058075757943	19	G9	1.9	180	2700	80	46	15	300	15000		6	1
PIN 28 2.6 W/2700 K G9 ¹	4058075757967	28	G9	2.6	290	2700	80	47	15	300	15000		6	2
PIN 37 4.2 W/2700 K G9 ¹	4058075757981	37	G9	4.2	430	2700	80	52	19	300	15000		6	3

LEDVANCE²
3 year
guarantee

LED BASE PIN G9

PRODUCT FEATURES

- LED alternative to conventional high voltage lamps
- Mercury-free lamps

PRODUCT BENEFITS

- Low energy consumption
- Ideal for decorative and free-burning applications

AREAS OF APPLICATION

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Foyers, offices
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	wΔW		W	lm	K	CRI	$\frac{l}{d}$ (mm)	$\frac{\phi}{d}$ (mm)	α°	t_{90} ³	η ⁴		No.
BASE PIN 20 1.9 W/2700 K G9 ¹	4058075758049	20	G9	1.9	200	2700	80	46	15	300	10000		50	4
BASE PIN 30 2.6 W/2700 K G9 ¹	4058075758063	30	G9	2.6	320	2700	80	47	15	300	10000		50	5
BASE PIN 40 4.2 W/2700 K G9 ¹	4058075758087	40	G9	4.2	470	2700	80	52	19	300	10000		50	6

SAFETY ADVICE

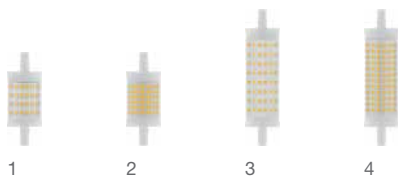
To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50s | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LINE R7s DIM

PERFORMANCE CLASS

Dimmable double-ended special LED lamps



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- LED alternative to conventional R7s lamps
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Fits into most R7s luminaires thanks to excentric base
- Good all-around light emission
- Lower thermal output (compared with the standard reference product)
- Five year guarantee

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+40^{\circ}\text{C}$
- Hospitality
- Domestic applications
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Δ	t _h			
LINE R7S 75 DIM P 9.5 W 827 R7s ¹	4099854064906	75	R7s	9.5	1055	2700	80	78	28	300	25 000		20	1
LINE R7S 100 DIM P 12 W 827 R7s ¹	4099854064876	100	R7s	12	1521	2700	80	78	28	300	25 000		20	2
LINE R7S 125 DIM P 15 W 827 R7s ¹	4099854048753	125	R7s	15	2000	2700	80	118	28	300	25 000		20	3
LINE R7S 150 DIM P 18.5 W 827 R7s ¹	4099854048678	150	R7s	18.2	2452	2700	80	118	28	300	25 000		20	4

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ³ 4099854048753, 4099854048678 | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED LINE R7s

Double-ended special LED lamps



PRODUCT FEATURES

- LED alternative to conventional R7s lamps
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Fits into most R7s luminaires thanks to excentric base
- Good all-around light emission
- Long lifetime of up to 15,000 h
- Lower thermal output (compared with the standard reference product)

AREAS OF APPLICATION

- General illumination within ambient temperatures from $-20...+40^{\circ}\text{C}$
- Hospitality
- Domestic applications
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
LINE R7S 60 P 7.3W 827 R7s ¹	4099854 049682	60	R7s	7.3	806	2700	80	78	28	330	15 000		20	1
LINE R7S 75 P 9W 827 R7s ¹	4099854 049736	75	R7s	8	1055	2700	80	78	28	330	15 000		20	1
LINE R7S 100 P 11.5W 827 R7s ¹	4099854 049767	100	R7s	11.5	1521	2700	80	78	28	300	15 000		20	2
LINE R7S 100 P 13 W 827 R7s ¹	4099854 064937	100	R7s	13	1521	2700	80	118	28	300	15 000		20	3
LINE R7S 125 P 15W 827 R7s ¹	4099854 048647	125	R7s	15	2000	2700	80	118	28	300	15 000		20	4
LINE R7S 150 P 18.5W 827 R7s ¹	4099854 048722	150	R7s	18.2	2452	2700	80	118	28	300	15 000		20	5
SLIM LINE R7s 78.00 mm 60 7 W/2700 K R7s ¹	40580754 32710	60	R7s	7	806	2700	80	78	20	300	15 000		6	6
SLIM LINE R7s 118.00 mm 100 12 W/2700 K R7s ¹	40580754 32734	100	R7s	12	1521	2700	80	118	20	300	15 000		6	7

SAFETY ADVICE

To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED LINE S15 / S19

Special LED lamps with S15 and S19 base



PRODUCT FEATURES

- LED alternative to conventional lamps
- Mercury-free lamps

PRODUCT BENEFITS

- Long life
- Low energy consumption
- No UV and near-IR radiation in the light beam
- Three year guarantee

AREAS OF APPLICATION

- Domestic applications
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{ΔW}		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]	α°	t _h ³			
ST LINE S15 4 W/2700 K 221.00 mm ¹	4058075699434	32	S15s	4	350	2700	>80	221	26	140	15 000		10	1
ST LINE S15 7 W/2700 K 284.00 mm ¹	4058075699458	57	S15s	7	750	2700	>80	284	26	140	15 000		10	2
ST LINE S19 9 W/2700 K 310.00 mm ¹	4052899955066	60	S19 s	9	830	2700	80	310	38	140	15 000		10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LEDinestra DIM

Dimmable tubular LED lamps



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED alternative to tubular incandescent lamps
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- For especially uniform illumination
- Mercury-free lamps
- Bulb made from glass

PRODUCT BENEFITS

- Very long lifetime of up to 25,000 h
- Low energy consumption
- Good colour rendering

AREAS OF APPLICATION

- Ideal for mirror lighting
- Hotels, restaurants
- Domestic applications
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{GE} W	W	lm	K	CRI	I _a [lm]	d [mm]	Δ	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
LEDinestra 300 mm 27 3.1 W/2700 K S14s ¹	4058075607033	27	S14s	3.1	275	2700	80	300	29	200	25 000	10	1
LEDinestra 300 mm 27 3.1 W/2700 K S14d ¹	4058075607019	27	S14d	3.1	275	2700	80	300	29	200	25 000	10	2
LEDinestra 500 mm 40 4.9 W/2700 K S14s ¹	4058075607071	40	S14s	4.9	470	2700	80	500	29	200	25 000	10	3
LEDinestra 500 mm 40 4.9 W/2700 K S14d ¹	4058075607057	40	S14d	4.9	470	2700	80	500	29	200	25 000	10	4
LEDinestra 1000 mm 75 9.9 W/2700 K S14s ¹	4058075607095	75	S14s	9.9	1 055	2700	80	1 000	29	200	25 000	5	5

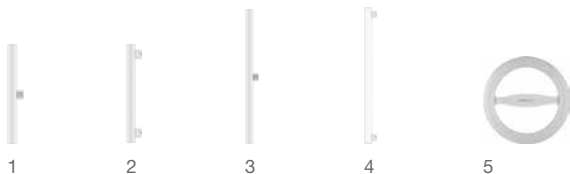
¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LEDinestra BASE

Tubular LED lamps

CIRCOLUX LED

Circular LED lamps with E27 screw base



LEDVANCE
3
year
guarantee

LEDinestra BASE

PRODUCT FEATURES

- LED alternative to tubular incandescent lamps
- Uniform illumination
- Mercury-free lamps

PRODUCT BENEFITS

- Long lifetime of up to 15,000 h
- Low energy consumption
- Good colour rendering

AREAS OF APPLICATION

- Ideal for mirror lighting
- Hotels, restaurants
- Domestic applications
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _Δ W	W	lm	K	CRI	$\frac{l}{d}$ (mm)	$\frac{\phi}{d}$ (mm)	Δ	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
LEDINESTRA BASE 300 mm 25 3.5 W/2700 K S14d ¹	4058075762398	25	S14d	3.5	370	2700	80	300	28	145	15 000	Energy efficiency class ⁴	10	1
LEDINESTRA BASE 300 mm 25 3.5 W/2700 K S14s ¹	4058075762374	25	S14s	3.5	370	2700	80	300	28	145	15 000	Energy efficiency class ⁴	10	2
LEDINESTRA BASE 500 mm 40 6 W/2700 K S14d ¹	4058075762435	40	S14d	6	640	2700	80	500	28	145	15 000	Energy efficiency class ⁴	10	3
LEDINESTRA BASE 500 mm 40 6 W/2700 K S14s ¹	4058075762411	40	S14s	6	640	2700	80	500	28	145	15 000	Energy efficiency class ⁴	10	4

LEDVANCE
4
year
guarantee

CIRCOLUX LED

PRODUCT FEATURES

- Fold out base before first use
- Good quality of light; colour rendering index R_a: ≥ 80; constant chromaticity
- Not dimmable

PRODUCT BENEFITS

- High luminous flux
- Long lifetime of up to 15,000 h
- Low energy consumption
- Three year guarantee

AREAS OF APPLICATION

- LED alternative for applications requiring a high luminous flux
- General illumination
- Large shades and pendant luminaires
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _Δ W	W	lm	K	CRI	$\frac{l}{d}$ (mm)	$\frac{\phi}{d}$ (mm)	Δ	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CIR 100 160° 14.5 W/2700 K E27 ¹	4058075606999	100	E27	14.5	1521	2700	80	86	260	160	15 000	Energy efficiency class ⁴	4	5

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A MOTION SENSOR S

SUPERIOR
CLASS

Special lamps with motion sensor, classic bulb shape



1 2 3



PRODUCT FEATURES

- LED alternative to conventional lamps
- High colour consistency: ≤ 6 SDCM
- Detection range upto 3 meter and 90°
- Integrated microwave sensor can detect fine movement

PRODUCT BENEFITS

- Short payback period thanks to low energy consumption and maintenance costs
- Energy-saving lighting solution thanks to automatic switch off at daylight
- Very long lifetime of up to 25,000 h
- Automatic light switch off 30 seconds after the last motion detection

AREAS OF APPLICATION

- Staircases, corridor, basement, entrance
- Lamp needs to be turn on only when motion is detected and ambient is dark
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}	W _{inc}	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	Light bulb icon	t _h ³	Energy efficiency class ⁴	Energy efficiency class ⁴	Energy efficiency class ⁴
CLAS A60 Motion Sensor S 7.3W 827 FIL CL E27 ¹	4099854096051	60	E27	7.3	806	2700	80	116	60	Clear	15 000	E	10	1
CLAS A 60 MS S 8.8W 827 FR E27	4099854094200	60	E27	8.8	806	2700	80	112	60	Frosted	25 000	F	10	2
CLAS A 75 MS S 10W 827 FR E27	4099854094224	75	E27	10	1 055	2700	80	112	60	Frosted	25 000	F	10	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A/B/P/GLOBE/PAR16/AR111 GLOWdim

LED lamps with GLOWdim effect, classic bulb shape



Compatibility list also online:
ledvance.com/compatibility



PRODUCT FEATURES

- LED alternative to conventional lamps
- Dimming changes light colour from warm white (2,700 K) to extra warm white (2,200 K)
- Good quality of light; colour rendering index $R_a \geq 80$

PRODUCT BENEFITS

- Provides an especially warm light when dimmed down
- Directly controllable via standard dimmer, no remote control required
- Clear lamps with innovative LED „filament“ technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Long lifetime of up to 15,000 h

AREAS OF APPLICATION

- Perfect for decorative installations
- Hospitality
- Historical buildings
- Residential interiors
- Marine lighting

Product name	GTIN (EAN)	W _{LED}	Base	W	lm	K	CRI	I _{avg} [lm]	d [mm]	Light colour	t _h [h]	Energy efficiency class	Energy efficiency class	No.
ST PLUS GLOW DIM CLAS A 40 CL 4 W/2200...2700 K E27 ¹	4058075435568	40	E27	4	470	2200...2700	80	105	60	Clear	15 000	E	4	1
ST PLUS GLOW DIM CLAS A 60 CL 7 W/2200...2700 K E27 ¹	4058075435537	60	E27	7	806	2200...2700	80	105	60	Clear	15 000	E	4	2
ST PLUS GLOW DIM CLAS B 40 4 W/2200...2700 K E14 ¹	4058075435490	40	E14	4	470	2200...2700	80	97	35	Clear	15 000	E	4	3
ST PLUS GLOW DIM CLAS P 40 4 W/2200...2700 K E14 ¹	4058075435476	40	E14	4	470	2200...2700	80	78	45	Clear	15 000	E	4	4
ST PLUS GLOW DIM GLOBE 60 7 W/2200...2700 K E27 ¹	4058075808942	60	E27	7	806	2200...2700	80	173	124	Clear	15 000	E	4	5
PAR16 50 36° GLD S 4.5W 827 GU10	4099854071430	50	GU10	4.5	350	1800...2700	80	54	50	—	25 000	F	10	6
AR111 50 24° GD S 7.2W 927 G53	4099854048562	50	G53	7.2	450	2700	90	55	110.7	—	40 000	E	6	7
AR111 50 40° GD S 7.2W 927 G53	4099854048920	50	G53	7.2	450	2700	90	55	110.7	—	40 000	E	6	7

¹ Dimmable (with many common dimmers, see also www.ledvance.com/dim). All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ³ 4099854071430, 4099854048562, 4099854048920 | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED RELAX and ACTIVE CLASSIC A/B/P

LED lamps, classic bulb shape



PRODUCT FEATURES

- Provides colour temperatures of 2,700 K and 4,000 K in the same lamp
- Controllable via standard wall switch
- Good quality of light; colour rendering index $R_a \geq 80$

PRODUCT BENEFITS

- Creates individual atmospheres: Warm White to relax, Cool White for activity
- Easy change of colour temperature with double click of wall switch
- Always fitting light due to two light colours in one lamp: Warm White and Cool White
- Supports the biorhythm through activating and relaxing light colour
- Long lifetime of up to 15,000 h

AREAS OF APPLICATION

- Supports the bio rhythm when used in bed and children's room
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	wΔW	≡	W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{\phi}{d}$ [mm]	Light bulb icon	t[h]	Energy efficiency class	Energy efficiency class icon	Energy efficiency class icon	No.
ST PLUS ACT/REL CLAS A 60 FIL 7 W/2700 K/4000 K E27 ¹	4058075434820	60	E27	7	806	2700 K/4000 K	80	105	60	Clear	15 000	A	A	A	1
ST PLUS ACT/REL CLAS B 40 FIL 4 W/2700 K/4000 K E14 ¹	4058075434783	40	E14	4	470	2700 K/4000 K	80	97	35	Clear	15 000	A	A	A	2
ST PLUS ACT/REL P 40 4 W/2700 K/4000 K E14 ¹	4058075434745	40	E14	4	470	2700 K/4000 K	80	78	45	Clear	15 000	A	A	A	3

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED THREE STEP DIM CLASSIC A/B/P/PAR16/PIN G9

LED lamps with three-step dimming



PRODUCT FEATURES

- Dimmable in three steps:
Classic A: 100%, 50% and 15%,
Classic B and P: 100%, 50% and 25%
- Controllable via standard wall switch
- Good quality of light;
colour rendering index $R_a \geq 80$
- Mercury-free lamps

PRODUCT BENEFITS

- Easy three-step dimming by repeatedly pressing the wall switch
- Easy and cost-effective operation,
no dimmer required
- Low energy consumption
- Easy relamping thanks to compact design
- Instant 100 % light, no warm-up time

AREAS OF APPLICATION

- Wherever dimming was originally not planned
- Residential interiors
- Hospitality
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)	W _{LED}		W	lm	K	CRI	$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]		t _h ⁴			
ST PLUS 3xDIM CLAS A 60 7 W/2700 K E27 ¹	4058075436787	60	E27	7	806	2700	80	105	60	Clear	15 000		4	1
ST PLUS 3xDIM CLAS B 40 4 W/2700 K E14 ¹	4058075434462	40	E14	4	470	2700	80	97	35	Clear	15 000		4	2
ST PLUS 3xDIM CLAS P 40 4 W/2700 K E14 ¹	4058075434448	40	E14	4	470	2700	80	78	45	Clear	15 000		4	3
SST PAR 16 50 36° 3.7 W/2700 K GU10	4058075433182	50	GU10	3.7	350	2700	80	54	50	—	15 000		4	4
ST+ 3XD PIN 40 4 W/2700 K G9 ¹	4058075432277	40	G9	4	470	2700	80	59	18	Clear	25 000		4	5

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ^{2,3} Refer to www.ledvance.com/guarantee for precise conditions | ³ 4058075433182 | ⁴ L70/B50 | ⁵ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

LED CLASSIC A DAYLIGHT SENSOR S

SUPERIOR
CLASS

Special lamps with daylight sensor, classic bulb shape



1

2



2

PRODUCT FEATURES

- LED alternative to conventional lamps
- Not dimmable
- Good quality of light; colour rendering index $R_a \geq 80$; constant chromaticity

PRODUCT BENEFITS

- Short payback period thanks to low energy consumption and maintenance costs
- Energy-saving lighting solution thanks to automatic switch off at daylight
- Safety through automatic switch-on at darkness
- Low energy consumption
- Easy replacement of classic lamps thanks to compact design

AREAS OF APPLICATION

- Wherever constant lighting is necessary at night
- Outdoor use in suitable outdoor luminaires only

Product name	GTIN (EAN)													
CLAS A40 Daylight Sensor S 4.9W 827 FIL CL E27 ¹	4099854048197	40	E27	4.9	470	2700	80	106	60	Clear	15 000		10	1
CLAS A60 Daylight Sensor S 7.3W 827 FIL CL E27 ¹	4099854048210	60	E27	7.3	806	2700	80	106	60	Clear	15 000		10	1
CLAS A 60 DS S 8.8W 827 FR E27 ²	4099854043956	60	E27	8.8	806	2700	80	108	60	Frosted	25 000		10	2

¹ All technical parameters apply to the entire lamp. Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value | ² Refer to www.ledvance.com/guarantee for precise conditions | ³ L70/B50 | ⁴ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

SHEDDING LIGHT AND SYMBOLS



Shatter protection



Operating frequency in Hz



Operation on conventional control gear



Type of protection



Base



Operation on electronic control gear



Dimmable



Length [mm]



Operation on conventional control gear and ignitor



Sensor versions



Diameter [mm]



Energy efficiency class



Wireless



Beam angle in °



Unit of Packaging



Glow DIM 2000K...2700K



Colour temperature in K



Fig. no.



Power in W for conventional technology



Colour rendering index



Dimming interface DALI-2



Power in W



Light intensity in cd



Push-DIM function



Output voltage in V



Average period of use/life in hours (B50/L70)



LED TUBE EXTERNAL SYSTEM



Luminous flux in lm



Glass Material



SELV voltage



Luminous efficacy



AC Mains

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 if you're looking for energy-efficient and future-proof lighting. Whether you need luminaires, lamps, HCL systems, electronic components, light management systems or smart residential products, LEDVANCE is your expert partner for complex lighting projects. You can always rely on LEDVANCE for excellent brand quality, professional service and a good price/performance ratio.



FUNCTIONAL AESTHETIC LUMINAIRES

The extensive luminaire portfolio covers virtually all professional and residential applications and delivers outstanding quality and functionality. The new BIOLUX HCL system is a winner of the VDE Quality Certificate, the 2020 Red Dot Award for Product Design and the 2020 German Innovation Award.

HIGHLY EFFICIENT LAMPS

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

FLEXIBLE LED STRIP SYSTEM

The LED Strip System comprises a large number of flexible LED strips, drivers and matching accessories. With a wide range of luminous fluxes and light colours, the system allows bespoke lighting solutions 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 and offers potential energy and CO₂ savings of up to 80 %. The system offers all LMS components and matching LED luminaires from one source.

SMART LIGHTING FOR RESIDENTIAL APPLICATIONS

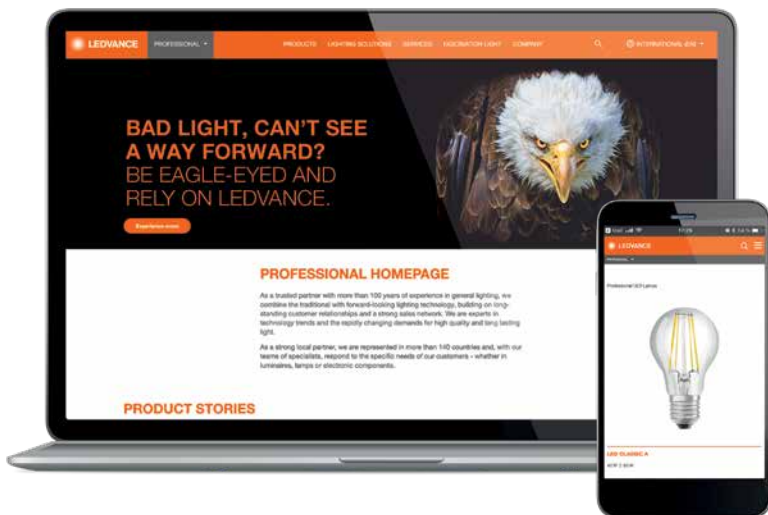
Our smart residential products offer a comprehensive combination of innovation, quality, reliability and user-friendliness. We provide a suitable solution for a variety of requirements that intelligent lighting has to meet.

MORE INFORMATION AND CLEVER TOOLS

Go to ledvance.co.uk for more information on LEDVANCE's extensive product portfolio, clever apps and tools that will help you in your day-to-day work.
www.ledvance.co.uk

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 Centre (email: csc.uk@ledvance.com). Here you'll find an overview of our services, databases and tools.



► THE PRODUCT PORTFOLIO FILTERED TO PERFECTION

Type of base, light colour, colour rendering – use our online filter for targeted searches in our LED lamp portfolio:

ledvance.com/led-lamps

► REFERENCES PROVIDE INSPIRATION

A selection of some top lighting projects can be found at

ledvance.com/projects

► LEDVANCE SERVICE-PLUS

Our specialised sales department supports and advises our commercial end customers – including face-to-face. Find out all you need to know at ledvance.com/vam

► DOWNLOAD CENTRE

Catalogs, compatibility overviews, brochures, and much more are available for you in our download centre:

ledvance.com/download

► SERVICE AT A GLANCE

You will find a summary of all of our service offerings at ledvance.com/services

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THE ONLINE TRAINING PLATFORM

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

Register and find out more at training.ledvance.com



FAST LIGHT CALCULATOR

The light calculation tool – calculate your LED lamp requirement really conveniently, taking account of relevant parameters such as room size or reflection level.¹ Available directly in the eCatalog.

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 Calculator is not intended to replace comprehensive, expertly executed light planning with DIALux, RELUX or another professional light planning software. The light distribution of a LED lamp can be influenced by a luminaire.

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.



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