SPOT ON: SHOP LIGHTING FROM LEDVANCE

AS OF MARCH 2019

LEDVANCE is the licensee of product trademark OSRAM in general lighting
GOOD FOR BUSINESS
SHOP LUMINAIRES
FROM LEDVANCE

The right shop lighting creates a relaxing atmosphere for customers, helps them find their way around the shop and displays merchandise to best effect. What’s more, it delivers impressive energy efficiency, long life, low maintenance and great versatility. In short: light is an important factor for the revenue, economic efficiency and therefore the long-term success of a shop.

OUR PRODUCTS –
innovative, efficient and extensive
— LED spotlights with excellent color rendering and brilliance for optimum merchandise presentation
— Modular LED trunking system for cost-effective illumination of large areas
— Everything from a single source: LED luminaires, intelligent light management systems and LED lamps

OUR SERVICES –
project-specific, competent and global
— Lighting calculations and project management for shop lighting solutions
— Clever planning of LEDVANCE luminaires with DIALux and RELUX software
— International sales network for individual contacts around the globe
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SEARCHING MADE EASY
Look out for these symbols and let us guide you.

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

Our solution:
Ideal shop luminaires from LEDVANCE for these requirements, including the most important advantages and technical data.

Our highlight:
Additional details, technical features, useful lighting knowledge, application tips and product information.
KNOWING WHAT MATTERS…

The challenges for planning the lighting in retail areas are extremely diverse, complex and different in every shop. Behind successful shop lighting is technical know-how and application-based expertise. LEDVANCE supports you with tailored advice and modern lighting solutions.

1. EFFECTIVE SALES PROMOTION

– Attractive product and brand presentation
– Optimum adaptation of the lighting concept to the merchandise and shop situation through individual combinations of accent, general and effect lighting

2. FIND YOUR WAY AROUND

– Varied lighting design breaks up the space and guides customers
– Statutory safety lighting for emergencies

4. HIGH VISUAL COMFORT
3. CRYSTAL-CLEAR DISPLAY

- Creating transparency through high levels of illuminance
- Exciting shop window displays through high-contrast accent lighting

- Avoiding glare for customers and employees: very good anti-glare properties and correct positioning of the luminaires
- Uniform vertical illumination for clear shelf areas

5. BRILLIANT PRESENTATION

- Excellent color rendering (CRI > 90) and the correct color temperature bring out materials and colors to best effect
- Focused light through spot optics provides exciting accents

6. ATTRACTIVE ECONOMY

- Modern durable LED technology and intelligent light management (for example daylight and presence sensors) provide high energy efficiency, low maintenance and low operating costs
A WINDOW ON THE WORLD

High illuminance levels attract more attention and create a clearer display. Accent and contrast lighting add depth and excitement, turning the shop window into a stage.

SPOTLIGHT ON THE PRESENTATION

Three reflector optics for flexible accent lighting
THE CHALLENGE:

1. Transparency:
   – High illuminance levels avoid a mirror effect of the shop window; depends on ambient light

2. Excellent quality of light for the display:
   – Spotlighting: highlights on the merchandise attract the attention of passers-by
   – Excellent color rendering and brilliancy
   – Light color and beam angle matched to products and materials

3. Ideal positioning of the lighting:
   – Flexible positioning of the spotlights for changing decorations
   – Avoid steep illumination angles because of unfavorable shadows
   – Foreground and background lighting creates depth; use rear wall for reflection

OUR SOLUTION:

LEDVANCE Tracklight Spot

Outstanding quality of light for merchandise presentation
   – Excellent color rendering at CRI > 90
   – Homogeneous light color: very good LED binning SDCM < 3
   – Neutral white (4,000 K) and warm white versions (3,000 K)

High flexibility
   – Replaceable reflectors: 15° Spot, 24° Medium and 38° Flood
   – Rotating (0 – 350°) and swiveling (0 – 90°) track-mounted spotlight (3 phases), flexible positioning
   – Various luminous flux values up to 4,200 lm (25/35/55 W outputs)

For product details see page 18
STANDOUT LIGHTING: MERCHANDISE PRESENTATION IN SHOPS

Light sets the scene for the shopping experience – accent lighting highlights items on presentation surfaces and tables, directing the customer's attention to the merchandise. This is how the right light can give you a competitive advantage.

HIGHLIGHTING FOR SALE

Rotating and swiveling spotlights allow for flexible accentuation of the merchandise.
THE CHALLENGE:

1. Presentation of the retail area:
   — Adaptation of the lighting solution to the shop concept
   — High-contrast accent lighting for a stimulating sales atmosphere

2. Flexible lighting:
   — Adaptable track-mounted spotlights for changing settings and ranges

3. Outstanding product presentation:
   — High illuminance on merchandise attracts attention
   — Brilliant accents through narrow-beam spotlights
   — Excellent color rendering
   — Choice of light color matched to product quality

OUR SOLUTION:

Tracklight Spot: impressive functionality and attractive product design

— Compact spotlight in the award-winning SCALE design in matt white, matt black and concrete grey
— High compatibility of the 3-phase adapter
— Great adaptability thanks to ability to rotate (0°– 350°) and swivel (0°– 90°), interchangeable reflectors (15°, 24° and 38°) and various luminous flux values: 1,750 lm to 4,200 lm
— Excellent quality of light and anti-glare properties: CRI > 90; SDCM < 3; UGR < 16

AESTHETIC, INDIVIDUAL AND FUNCTIONAL: SCALE – OUR NEW DESIGN LANGUAGE

LEDVANCE stands for innovation. This innovation is manifested in our new SCALE design language which won the 2019 German Design Award. SCALE brings together ambitious design with a value that is noticeable in every creation – and ensures that the luminaire is a design product even when it’s switched off.
GUIDING THE WAY: LIGHTING FOR WALKWAYS AND PERIPHERAL AREAS

Balanced general lighting and focused accent lighting – for easy orientation and good visual perception in the retail area.

ORIENTATION AND OPTIMUM PERCEPTION

ILLUMINATION OF SHELVING
– Guide value: distance between the light source and shelf corresponds to about one third of the room height
– In the peripheral areas, swiveling downlights are suitable for product presentation
THE CHALLENGE:

1. Orientation in the shop:
   zoning of the shop by means of light; separate light points for walkways and crossing points
2. Room layout: create depth by illuminating peripheral areas and vertical areas/walls
3. Wall lighting: full illumination of the walls, no shadows on the merchandise
4. Balanced general lighting: regular arrangement of wide-beam luminaires

OUR SOLUTION:

Flexible all-round spotlights that combine general and accent lighting (depending on the swivel).

LEDVANCE Spot Vario
— Versatile swiveling spotlight: 0° – 35°
— Rotating: 0° – 350°
— Very high efficiency (up to 100 lm/W)

LEDVANCE Spot Square Adjust
— Direct replacement for halogen spotlights (75 W)
— Decorative square-shaped spotlight with a very narrow frame
— Luminaire head can be swiveled through +/- 25° with 30° cut-off

LEDVANCE Spot Multi
— Cassette spotlight with one, two or three luminaire heads
— Light alignment through cardan joints with a tilt of +/- 25°
— Pleasant light with excellent anti-glare properties (UGR < 16)
— High luminous flux values with up to 3 x 2,700 lm

CHECK IT OUT!

Checkouts and counters are workplaces – and are nowadays often also highly modern screen-based workstations. Therefore, according to DIN EN 12464-1 they need to be illuminated with a minimum of 500 lux and UGR < 19 to ensure bright light with low glare.

The LEDVANCE Spot Multi meets this lighting requirement.
SUPERMARKET: EFFICIENT AND ATTRACTION LIGHTING

Shelf lighting with accentuated goods presentation provides orientation and ensures an attractive product display at high energy efficiency.

ALWAYS IN THE RIGHT LIGHT

ASYMMETRICAL
The oblique beam angle can be used to highlight walls and shelves, accentuate advertising images and shine the light in a particular direction.

DOUBLE ASYMMETRICAL
The double asymmetrical light distribution is recommended for uniform double-sided shelf lighting in walkways.
THE CHALLENGE:

1. **Arrangement:** continuous lighting systems parallel to the shelves for more efficient lighting, lower power consumption and therefore lower operating costs
2. **Lighting focus:** the goods are brightly lit, and the walkways and traffic areas fade into the background
3. **Sales support:** product presentation and overview through light distribution matched to shelf geometry and goods placement

OUR SOLUTION:

LEDVANCE TruSys®

High-intensity, efficient and versatile LED trunking system for varied and modern goods presentations at particularly high energy and cost efficiency.

- **Track system in 1.5 m, 3 m or 4.5 m lengths**
- **Energy rails can be connected along the axis**
- **Self-closing system with end caps on the luminaire and on the track**
- **High-quality anodized aluminum**
- **Lenses for different beam angles (wide, narrow, asymmetrical, double asymmetrical)**
- **Separate TruSys® luminaires in 1.5 m length**
- **Metal mounting brackets**
- **Safety hooks**

For product details see page 20/21
HARDWARE STORES: HIGH ROOMS, HIGH LUMINOUS FLUX

A special challenge – in high-ceiling rooms and high-bay shelving you don’t only need deep-beam luminaires but also sufficient vertical brightness which accentuates the goods on the shelves.

UNIFORM ILLUMINATION FOR GOOD VISIBILITY

WIDE
The wide beam angle is particularly suitable for the homogeneous illumination of high rooms.

NARROW
The narrow beam angle is ideal for high-bay warehouses with narrow aisles.
THE CHALLENGE:

1. **Flexibility:** a constant change in the presentation of goods requires flexible lighting concepts
2. **Distribution of light:** high light points up to 5–6 m require deep-beam and high-intensity luminaires. At the same time, in narrow aisles both the goods on the shelves and the pathways have to be well lit
3. **Positioning:** uniform basic brightness through continuous lighting systems mounted in the middle of the aisles, which also highlight the products on all the shelves
4. **Attention:** goods lighting with sufficiently vertical illuminance

OUR SOLUTION:

LED trunking system with high lumen packages in numerous versions for high-intensity, efficient and flexible lighting.

**LEDVANCE TruSys®**
- High luminous flux of up to 7,200 lumen
- Luminous efficacy of up to 135 lm/W
- Different color temperatures: 3,000 K, 4,000 K, 6,500 K
- Very quick and simple luminaire installation thanks to click system
- Internal luminaire holders simplify the installation even further
- High-quality design thanks to built-in mounting brackets and continuous lens technology

Various beam angles also enable particularly focused and effective lighting for different room requirements, product ranges and presentation systems.

EFFICIENCY CALCULATOR

The performance of a luminaire is shown in the operating costs. You can see from this real-life example how much energy can be saved.

<table>
<thead>
<tr>
<th>Type</th>
<th>Luminaires with 2 x 54 W T5 Fluorescent lamps</th>
<th>TruSys LED 53 W 4 000 K</th>
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</thead>
<tbody>
<tr>
<td>Number of luminaires</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Lumen per luminaire</td>
<td>7,100 lm</td>
<td>7,200 lm</td>
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<tr>
<td>System wattage of the luminaire (incl. power loss of the control gear)</td>
<td>115 W</td>
<td>53 W</td>
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<tr>
<td>System wattage of all luminaires</td>
<td>11.5 kW</td>
<td>5.3 kW</td>
</tr>
<tr>
<td>Energy costs/year (EUR)</td>
<td>EUR 6,900</td>
<td>EUR 3,180</td>
</tr>
<tr>
<td>Energy savings/year (EUR)</td>
<td>EUR 3,720</td>
<td></td>
</tr>
<tr>
<td>Energy savings in %</td>
<td>53.91 %</td>
<td></td>
</tr>
</tbody>
</table>

Hours burned per day: 10 h
Operating days per year: 300
Electricity costs: EUR 0.20 kWh
SUBTLE BEAUTY: COVES

Attractive highlighting through subtle indirect lighting – with linear light all around.

THE CHALLENGE:
- Adaptation of lighting strip to the architecture of the room
- Create indirect lighting: ideally, luminaires hidden in recesses or protrusions should not be visible from any viewing angle
- Little available space requires compact luminaire dimensions
- Required photometric properties: soft and uniform

OUR SOLUTION:
Seamless lighting strips with up to ten luminaires and small space requirements thanks to compact dimensions and a simple plug system.

LEDVANCE Linear Compact
- Available in three versions: Switch (with built-in switch), High Output and Batten featuring rear wiring
- Low flicker thanks to special electronic control gear
- Complete installation and connection accessories included with the luminaires

SEAMLESS LIGHT
With the Linear Compact models you can create seamless strip lighting with up to ten luminaires with translucent end caps. The “Linear Compact Batten” luminaire can be used as the initial luminaire in strip lighting. This can be expanded with the “High Output” or “Switch” models as required. The result: uninterrupted strip lights without any visible wiring.

For product details see page 22
GUIDING THE WAY: EMERGENCY LIGHTING

Emergency lighting helps you find your way around and safely leave the building.

THE CHALLENGE:

- Task: allow people to safely leave the building in the event of a power failure
- Adequate emergency lighting is mandatory for public buildings and many workplaces – but also for shops, hotels, cultural facilities, medical institutions and high-rise buildings

OUR SOLUTION:

Emergency lighting for escape routes and anti-panic lighting.

LEVDANCE Emergency Downlight
- Simple planning and installation as a recessed or surface-mounted luminaire (using surface mounting frame) with a built-in battery and driver
- High luminous flux (up to 335 lm) and optimized light distribution
- Easy maintenance with automatic test function or integrated test switch
- Rugged design with IP43 and IK07

For product details see page 21
TECHNICAL DATA

All the LED luminaires from LEDVANCE are equipped with high-quality LED modules of the highest energy efficiency classes (A, A+ and A++). Energy efficiency class (EEC) on a scale from A++ (highest efficiency) to E (lowest efficiency). The luminaires contain built-in LED modules. They cannot be replaced.

All the following values for the IP and IK protection classes apply exclusively to luminaires (excl. accessories).

LEDVANCE TRACKLIGHT SPOT

Ideal for use in shop windows and for accentuating merchandise displays in shops; for more information about the product see pages 06–09

SHOP LIGHTING FROM LEDVANCE | TECHNICAL PRODUCT DATA

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1 Refer to www.ledvance.com/guarantee for precise conditions | 2 Replacement for traditional equivalent | 3 t [h]: L70 @ 25 °C (Ta) | 4 t [h]: L80 @ 25 °C (Ta) | 5 t [h]: L90 @ 25 °C (Ta)
# SHOP LIGHTING FROM LEDVANCE | TECHNICAL PRODUCT DATA

## LEDVANCE SPOT VARIO

Ideal for general and accent lighting in shops; for more information about the product see pages 10/11

<table>
<thead>
<tr>
<th>Product-name</th>
<th>GTIN</th>
<th>Replacement for</th>
<th>TES</th>
<th>$S$</th>
<th>L70</th>
<th>L80</th>
<th>L90</th>
<th>Ø x H [mm]</th>
<th>Cutout Ø [mm]</th>
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<tbody>
<tr>
<td>NEW SP VARIO DN170 35W/3000K 24DEG WT</td>
<td>4058075104020</td>
<td>1 × 70W HID</td>
<td>3350</td>
<td>95</td>
<td>24</td>
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<td>45000</td>
<td>30000</td>
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<td>NEW SP VARIO DN170 35W/4000K 24DEG WT</td>
<td>4058075104044</td>
<td>1 × 70W HID</td>
<td>3500</td>
<td>100</td>
<td>24</td>
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<td>180 × 129</td>
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## LEDVANCE SPOT MULTI

Ideal for general and accent lighting in shops; for more information about the product see pages 10/11

<table>
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<th>Product-name</th>
<th>GTIN</th>
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<th>$S$</th>
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<th>L80</th>
<th>L90</th>
<th>Ø x H [mm]</th>
<th>Cutout L x B [mm]</th>
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<td>1 × 35W HID</td>
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## LEDVANCE SPOT SQUARE ADJUST

Ideal for general and accent lighting in shops; for more information about the product see pages 10/11

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<th>GTIN</th>
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<th>$S$</th>
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<th>L80</th>
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<th>Cutout L x B [mm]</th>
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<td>NEW SP SQUARE DK ADJ.WT/3000K FL WT</td>
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<td>75 W HAL</td>
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1. Refer to www.ledvance.com/guarantee for precise conditions
2. Replacement for traditional equivalent
3. t [h]: L70 @ 25 °C (Ta)
4. t [h]: L80 @ 25 °C (Ta)
5. t [h]: L90 @ 25 °C (Ta)
### TECHNICAL DATA

**LEDVANCE TRUSYS® & TRUSYS® DALI**

Ideal for use in supermarkets and hardware stores; for more information about the product see pages 12 – 15

#### TRUSYS®

<table>
<thead>
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</tbody>
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W: Wide (90°), NFL: Narrow Flood (beam angle), DA: Double asymmetrical (Shelf Beam), WW: Wallwasher (= asymmetrical)

#### TRUSYS® DALI

<table>
<thead>
<tr>
<th>Product</th>
<th>GTIN</th>
<th>Battery technology</th>
<th>L × W × H [mm]</th>
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<td>NEW TRUSYS® LED DALI 53W 4000K DA SI</td>
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<td>✔</td>
<td>1534 x 71 x 53</td>
</tr>
<tr>
<td>NEW TRUSYS® LED DALI 53W 6500K DA SI</td>
<td>405807162692</td>
<td>✔</td>
<td>1534 x 71 x 53</td>
</tr>
</tbody>
</table>

Dimmable with DALI Interface, for lighting controls

### LEDVANCE EMERGENCY EXIT SIGN

— Compact aluminum luminaire housing
— 4 pictograms (ISO 7010) and white foil included with each luminaire
— High homogeneous brightness in accordance with DIN 4844-1
— For more information about the product go to page 17

#### EMERGENCY EXIT SIGN

<table>
<thead>
<tr>
<th>Product name</th>
<th>GTIN</th>
<th>Battery technology</th>
<th>L × W × H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW EM SIGN HB 27W 3/4h AT</td>
<td>405807144484</td>
<td>—</td>
<td>274 x 40 x 195</td>
</tr>
</tbody>
</table>

1 Refer to www.ledvance.com/guarantee for precise conditions | 2 Replacement for traditional equivalent | 3 t[h]: L70 @ 25 °C (Ta) | 4 t[h]: L80 @ 25 °C (Ta) | 5 t[h]: L90 @ 25 °C (Ta)

Dimmable with DALI Interface, for lighting controls
LEDVANCE TRUSYS® ENERGY RAIL & ACCESSORIES

- Power rails for TruSyS® luminaires in 1.5 m, 3.0 m and 4.5 m
- Torsion-resistant anodized aluminum rails
- Other accessories available: mounting solutions, end caps, blind covers, electrical connectors

<table>
<thead>
<tr>
<th>Product-name</th>
<th>GTIN</th>
<th>Replacement for a</th>
<th>lm</th>
<th>L [mm]</th>
<th>W [mm]</th>
<th>H [mm]</th>
<th>L × W × H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRUSYS® ENERGY RAIL ACCESSORIES</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>NEW TRUSYS® SUSPENSION KIT 3000</td>
<td>4058075100350</td>
<td>— — — — — — —</td>
<td>3000</td>
<td></td>
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<tr>
<td>NEW TRUSYS® CHAIN KIT</td>
<td>4058075100374</td>
<td>— — — — — — —</td>
<td>3000</td>
<td></td>
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<tr>
<td>NEW TRUSYS® MOUNTING BRACKETS</td>
<td>4058075100435</td>
<td>— — — — — — —</td>
<td>30 × 20 × 15</td>
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<tr>
<td>NEW TRUSYS® BLIND COVER 1500</td>
<td>4058075100398</td>
<td>— — — — — — —</td>
<td>1534 × 67 × 12</td>
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<tr>
<td>NEW TRUSYS® ENDCAP ENERGY RAIL</td>
<td>4058075100411</td>
<td>— — — — — — —</td>
<td>12 × 67 × 47</td>
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<tr>
<td>NEW TRUSYS® ELECTRICAL CONNECTOR 5 × 2.5</td>
<td>4058075155565</td>
<td>— — — — — — —</td>
<td>42.2 × 40.5 × 28.6</td>
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<tr>
<td>NEW TRUSYS® ELECTRICAL CONNECTOR 7 × 2.5</td>
<td>4058075155589</td>
<td>— — — — — — —</td>
<td>42.2 × 40.5 × 28.6</td>
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<tr>
<td>EMERGENCY DOWNLIGHT ACCESSORIES</td>
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<tr>
<td>NEW EM DL SURFACE MOUNT KIT</td>
<td>4058075124092</td>
<td>— — — — — — —</td>
<td>140 × 48.5</td>
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</tbody>
</table>

**EMERGENCY LIGHTING**

- Product range for escape routes and anti-panic lighting in accordance with EN 60598-1:2015 and EN 60598-2-22:2014
- Recessed or surface-mounted luminaire with a built-in battery and driver
- Easy maintenance with automatic test function or integrated test switch
- For more information about the product go to page 17

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1 Refer to www.ledvance.com/guarantee for precise conditions | 2 Replacement for traditional equivalent | 3 t [h]: L70 @ 25 °C (Ta) | 4 t [h]: L80 @ 25 °C (Ta) | 5 t [h]: L90 @ 25 °C (Ta)
LEDVANCE LINEAR COMPACT

Ideal for use in cove lighting; for more information about the product see page 16

<table>
<thead>
<tr>
<th>Product-name</th>
<th>GTIN</th>
<th>Replace-ment for</th>
<th>lm</th>
<th>W</th>
<th>°L70/B50</th>
<th>°L80/B50</th>
<th>°L90/B50</th>
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<tbody>
<tr>
<td>LINEAR COMPACT SWITCH (WITH BUILT-IN SWITCH)</td>
<td></td>
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<td></td>
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<tr>
<td>LN COMP SWITCH 300 4W/3000K</td>
<td>405071106079</td>
<td>1 × 9W T8</td>
<td>400</td>
<td>100</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
</tr>
<tr>
<td>LN COMP SWITCH 300 4W/4000K</td>
<td>405071106093</td>
<td>1 × 9W T8</td>
<td>450</td>
<td>110</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
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<tr>
<td>LN COMP SWITCH 600 6W/3000K</td>
<td>405071106116</td>
<td>1 × 18W T8</td>
<td>800</td>
<td>100</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
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<tr>
<td>LN COMP SWITCH 600 6W/4000K</td>
<td>405071106130</td>
<td>1 × 18W T8</td>
<td>800</td>
<td>100</td>
<td>140</td>
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<tr>
<td>LN COMP SWITCH 900 12W/3000K</td>
<td>405071106152</td>
<td>1 × 30W T8</td>
<td>1200</td>
<td>100</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
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<tr>
<td>LN COMP SWITCH 900 12W/4000K</td>
<td>405071106166</td>
<td>1 × 30W T8</td>
<td>1200</td>
<td>100</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
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<tr>
<td>LN COMP SWITCH 1200 14W/3000K</td>
<td>405071106188</td>
<td>1 × 36W T8</td>
<td>1400</td>
<td>100</td>
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<tr>
<td>LN COMP SWITCH 1200 14W/4000K</td>
<td>405071106202</td>
<td>1 × 36W T8</td>
<td>1400</td>
<td>100</td>
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<tr>
<td>LINEAR COMPACT HIGH OUTPUT (WITHOUT SWITCH)</td>
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<tr>
<td>LN COMP HO 600 10W/3000K</td>
<td>405071106277</td>
<td>1 × 18W T8</td>
<td>1000</td>
<td>100</td>
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<tr>
<td>LN COMP HO 600 10W/4000K</td>
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<td>1 × 18W T8</td>
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<td>1 × 30W T8</td>
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<td>LN COMP HO 900 15W/4000K</td>
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<td>1 × 30W T8</td>
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<tr>
<td>LN COMP HO 1200 20W/3000K</td>
<td>405071106352</td>
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<td>2000</td>
<td>100</td>
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<tr>
<td>LN COMP HO 1200 20W/4000K</td>
<td>405071106366</td>
<td>1 × 36W T8</td>
<td>2000</td>
<td>100</td>
<td>140</td>
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<td>40000</td>
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<tr>
<td>LINEAR COMPACT BATTEN (WITH REAR WIRING)</td>
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<tr>
<td>NEW LN COMP Batten 600 10W/3000K</td>
<td>405070109962</td>
<td>1 × 18W T8</td>
<td>1000</td>
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<td>NEW LN COMP Batten 600 10W/4000K</td>
<td>405070109975</td>
<td>1 × 18W T8</td>
<td>1000</td>
<td>100</td>
<td>140</td>
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<td>40000</td>
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<tr>
<td>NEW LN COMP Batten 1200 20W/3000K</td>
<td>405070109989</td>
<td>1 × 36W T8</td>
<td>2000</td>
<td>100</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
</tr>
<tr>
<td>NEW LN COMP Batten 1200 20W/4000K</td>
<td>405070109993</td>
<td>1 × 36W T8</td>
<td>2000</td>
<td>100</td>
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<tr>
<td>NEW LN COMP Batten 1500 25W/3000K</td>
<td>405070110007</td>
<td>1 × 58W T8</td>
<td>2500</td>
<td>100</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
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<tr>
<td>NEW LN COMP Batten 1500 25W/4000K</td>
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<td>1 × 58W T8</td>
<td>2500</td>
<td>100</td>
<td>140</td>
<td>50000</td>
<td>40000</td>
</tr>
</tbody>
</table>

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LED LAMPS FOR DIRECT REPLACEMENT

The latest generation of OSRAM LED reflector lamps and OSRAM SubstiTUBE® LED tubular lamps from LEDVANCE.

**LED reflector lamps**
- High color rendering index: PARATHOM® PRO PAR16, MR16 and AR111 up to CRI 97
- Energy efficiency classes: A to A++
- Many all-glass versions for design-oriented applications
- All types with innovative single optics for homogeneous light distribution

**SubstiTUBE® LED tubular lamps**
- T8 Ultra Output: luminous efficacy of up to 165 lm/W
- T8 Universal: one solution for everything – ECGs, CCGs and mains voltage
- T8 Connected: wireless and sensor-controlled light management
- T5: complete portfolio in glass design and shatterproof film
- Energy efficiency classes: A+ to A++

**1**Energy efficiency class (EEC) on a scale from A++ (highest efficiency) to E (lowest efficiency) | **2**Replacement for traditional equivalent | **3**t[h]: L70 @ 25 °C (Ta) | **4**t[h]: L80 @ 25 °C (Ta) | **5**t[h]: L90 @ 25 °C (Ta)

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**TECHNICAL DATA**

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**LEDVANCE LINEAR COMPACT**

Linear Compact

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EVEN MORE INFORMATION, ADVICE AND EXPERTISE

LEDVANCE provides you with all the information you need for successfully planning your shop lighting system. Here you will find an overview of our expertise pages, databases and tools.

Perfectly filtered
Use the online filters to find precisely what you’re looking for in our luminaire portfolio – type of mounting, IP rating, light color, etc.: ledvance.com/luminaires

References provide inspiration
You can find a selection of top lighting projects at ledvance.com/projects

LEDVANCE Service Plus
With our special sales department we support and advise our commercial end customers – also in person. More at ledvance.com/vam

Download Center
Catalogs, price lists, brochures and much more are available for you in our Download Center: ledvance.com/download

Our tools for you
From the mobile app to the energy-savings calculator, practical tools are available at ledvance.com/services-and-tools/tools

All in one place
Our service packages are listed at ledvance.com/services-and-tools/services.

FAST CALCULATION TOOL
We now offer a handy calculation tool for our luminaires on our website. Simply click on the Fast Calculation button on the product page. The tool provides a simple way to calculate the luminaires you need for the particular application and the space to be illuminated.1

LIGHTING CALCULATION WITH DIALUX AND RELUX
Good news for DIALux and RELUX users: since the start of 2018 LEDVANCE has been working with the software producers. DIALux and RELUX users can now easily integrate LEDVANCE products in their lighting plans. Our luminaire data is also BIM-compatible. And we support users in the form of consultation, calculation and after-sales services.

1 The Fast Calculation tool does not replace comprehensive professional light planning with DIALux, RELUX or any other professional light planning software.
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 the general lighting business of OSRAM GmbH, LEDVANCE offers a wide-ranging assortment of LED luminaires for a broad spectrum of application areas, intelligent lighting products for Smart Homes and Buildings, one of the largest LED lamps portfolios in the industry as well as traditional light sources.

Your direct line to the shop project experts in DACH, Key Account Managers André Schweinsberg and Torsten Hegener: shoplighting@ledvance.com

LEDVANCE is the competent partner for shop lighting applications in a wide range of markets such as food, fashion, construction and furniture. In addition to our extensive range of luminaires we also offer a large portfolio of innovative LED lamps in excellent brand quality. Further information about our range of products and services is available online at www.ledvance.com

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85748 Garching
Germany

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