LEDTEC

COB LED TAPES

Homogeneous light for the highest demands.

COB LED TAPES

When Design Meets Precision

In modern retail construction and sophisticated architecture, lighting defines the overall impact. It structures spaces, guides attention, highlights products, and creates atmosphere. At the same time, as a planner or installation company, you expect a solution that is technically reliable, economically viable, and easy to install.

COB LED Tapes from LEDTEC combine exactly these requirements.

Thanks to “Chip on Board” technology, they create an almost continuous, homogeneous line of light – without visible LED dots. Even with shallow profiles or open lighting channels, you achieve a calm, premium appearance. This is especially important for visible coves, shadow gaps, shelf integrations, or illuminated architectural details.

INFO: COB stands for **“Chip on Board”**. Unlike conventional SMD **“Surface Mounted Device”** LED strips, COB LED Tapes feature numerous LED chips mounted directly onto the substrate and coated with a continuous phosphor silicone layer.

Dot-Free Lines of Light for the Highest Standards.

COB LED Tapes for Architecture and Retail Applications

Especially in retail environments, you benefit from uniform product presentation without disturbing dot effects. In architectural concepts, COB LED Tapes enable clean linear designs and precise lighting edges that enhance the design instead of dominating it.

Your key advantages in everyday projects:

- **Homogeneous line of light** – no visible individual LED points
- **High color rendering (CRI ≥ 90)** – natural presentation of materials and products
- **Low glare effect** – pleasant room atmosphere
- **High LED density** – uniform illumination even with shallow profiles
- **Low installation height & minimalist design** – ideal for delicate profiles, narrow shadow gaps, and reduced architectural concepts
- **24 V systems** – reduced voltage drop over longer lighting runs
- **Flexible integration** – ideal for coves, shelving, counters, and shadow gaps

For you, this means greater design freedom, increased planning reliability, and a lighting solution that impresses both aesthetically and technically.

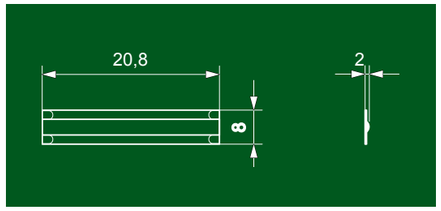
With COB LED Tapes from LEDTEC, you realize architectural and retail projects that leave a lasting impression through precision, quality, and efficiency.
Technology that convinces – visible in the result.

LINEARLINE COB FLEX MODUL 24V

SPECIFICATIONS

- Input voltage: 24 V DC
- Dimensions (L x W x H): 5000 x 8 x 1,2 mm
- LED type: COB
- Beam angle: 150°
- Nominal power/m: 10 W
- Color rendering CRI: Ra >90
- Color consistency: 5 SDCM

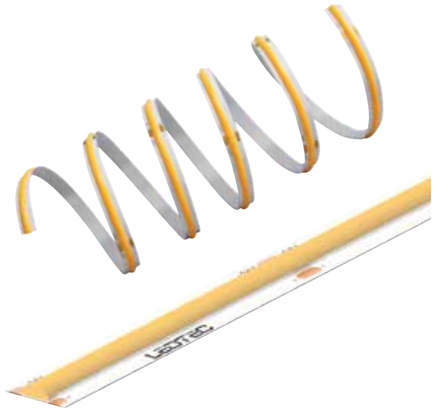
Article number	Color temperature (Kelvin)	Luminous flux (lm/m)	Efficiency (lm/W)	EEK
0029110920	2700 K	1040	104	F
0029110921	3000 K	1040	104	F
0029110922	4000 K	1140	114	F
0029110924	6500 K	1140	114	F



LINEARLINE COB FLEX MODUL 24V

SPECIFICATIONS

- Input voltage: 24 V DC
- Dimensions (L x W x H): 5000 x 10 x 2,3 mm
- LED type: COB
- Beam angle: 150°
- Nominal power/m: 14,4 W
- Color rendering CRI: Ra >90
- Color consistency: 5 SDCM



Article number	Color temperature (Kelvin)	Luminous flux (lm/m)	Efficiency (lm/W)	EEK
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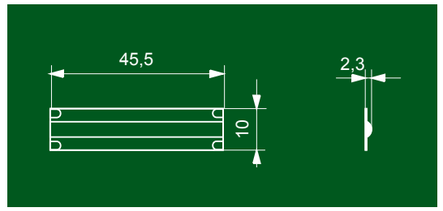
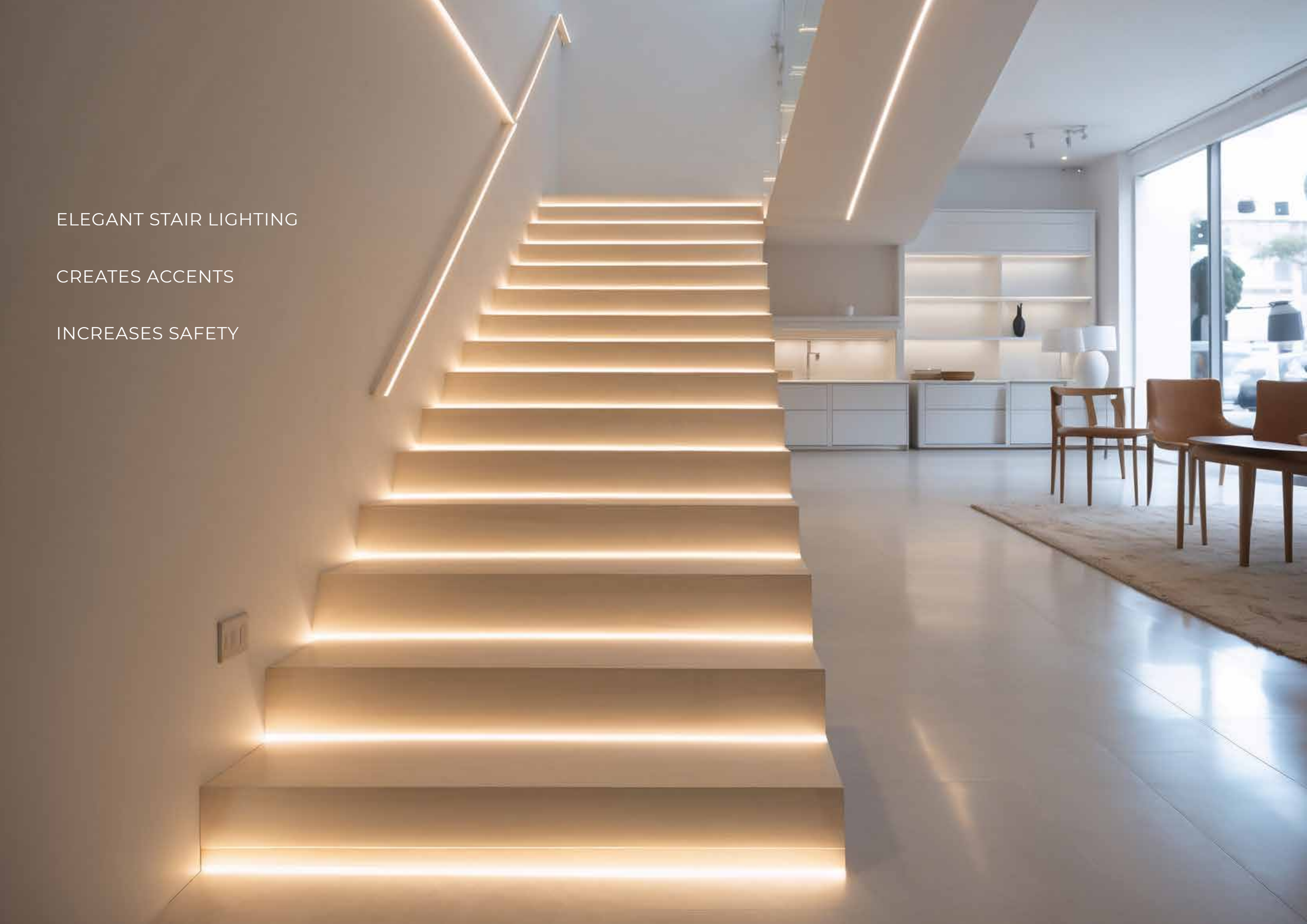
0029110931	3000 K	1370	95	F
0029110932	4000 K	1450	101	F
0029110934	6500 K	1450	101	F





ELEGANT STAIR LIGHTING

CREATES ACCENTS

INCREASES SAFETY

Versatile in Application. Technically Convincing.

Overview of Application Area

Light is far more than brightness. It creates orientation, directs attention, and shapes the perception of spaces, products, and materials. Especially in retail construction, architecture, or premium interior design, a uniform, high-quality lighting effect is essential – implemented with technical precision and long-term economic efficiency.

COB LED Tapes from LEDTEC provide exactly these possibilities. Thanks to the homogeneous line of light without visible LED points, clean and calm linear designs are created that integrate seamlessly into modern architectural concepts. At the same time, you benefit from high color rendering and reliable long-term performance.

Ideal for demanding indoor and commercial projects

Retail & Commercial Construction

- Cove and ceiling integration
- Shelf and product presentation lighting
- Counter and reception lighting
- Accent lines for visitor guidance

The uniform light distribution creates premium product presentation – without disturbing dot effects or harsh transitions.

Architecture & Interior Design

- Indirect ceiling lighting
- Shadow gaps
- Stair lighting
- Wall and linear accents

The low installation height allows even delicate details to be illuminated precisely – ideal for minimalist architectural concepts.

Furniture & Kitchen Design

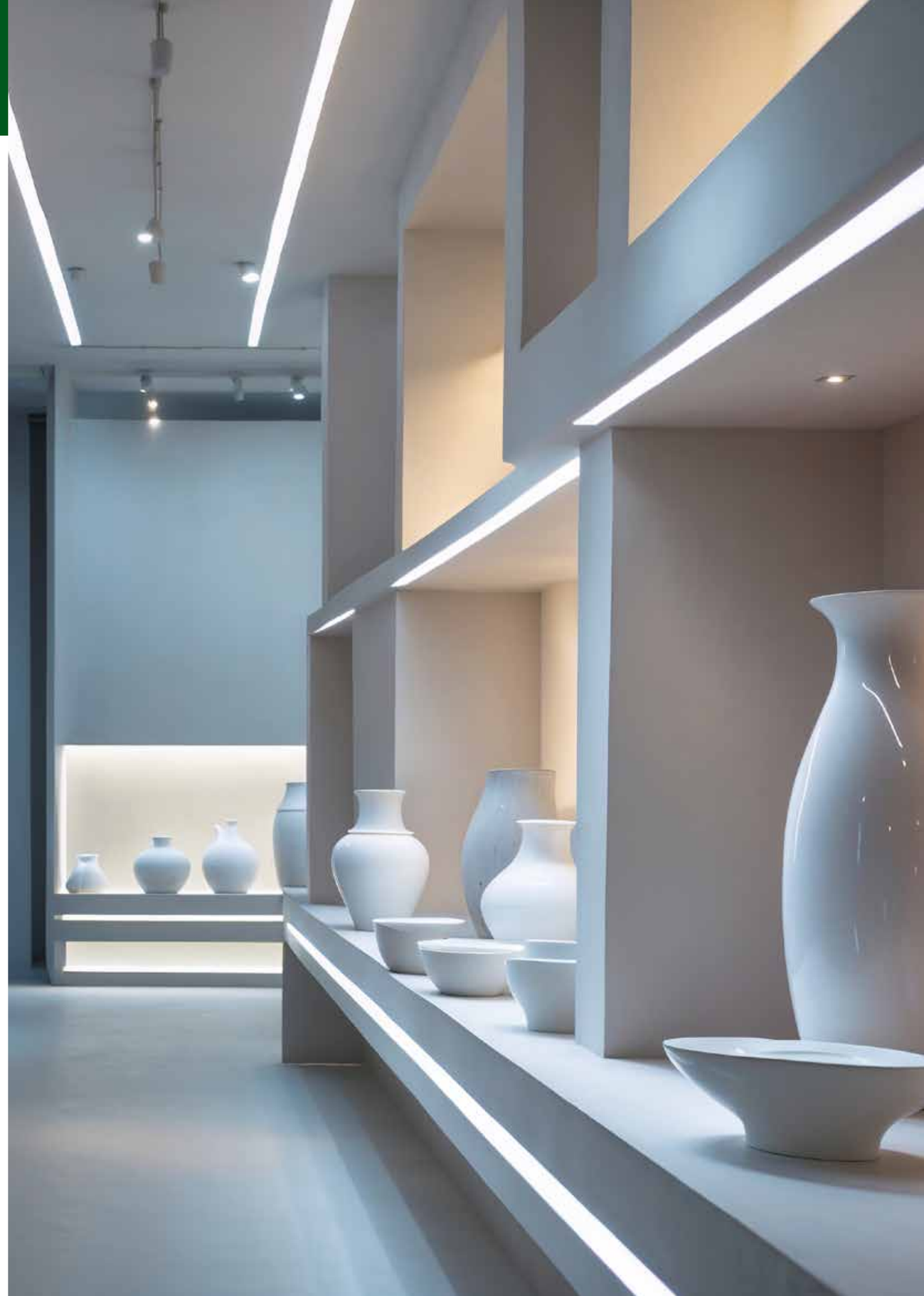
- Under-cabinet and work surface lighting
- Handle profile integration
- Glass shelf and display cabinet lighting

The high LED density enables uniform illumination even in extremely shallow profiles.

Industry & Technical Applications

- Workplace lighting
- Machine integration
- Control cabinet solutions

Here, COB LED Tapes impress through efficiency, durability, and consistent light quality.



Quality and Efficiency That Pay Off.

Light Quality That Makes the Difference

Especially in retail spaces, showrooms, or representative areas, color rendering is crucial. With a CRI ≥ 90, COB LED Tapes reproduce colors naturally and accurately. Materials appear more premium, products more authentic, and spaces more harmonious overall.

The homogeneous light distribution additionally ensures:

- A calm spatial atmosphere
- Reduced glare
- Uniform illumination without shadow formation
- Precise, high-quality lighting edges

But light quality does not end with appearance – it is also reflected in reliability and durability.

Depending on project requirements, COB LED Tapes are available in different protection ratings:

- IP20 for dry indoor areas
- IP65 for humid rooms or protected areas (on request)
- IP67 for demanding outdoor applications (on request)

Designed for Longevity. Economical in Operation.

In combination with aluminum profiles, you ensure optimal heat dissipation – a decisive factor for consistent light output and maximum service life.

Thanks to **long lifetime**, high energy efficiency, and reduced maintenance requirements, your projects remain **economically viable** – especially in continuous operation for retail areas, public buildings, or industrial facilities.

For installation-safe implementation, we support you with system-compatible power supplies, suitable control solutions (e.g. PWM, DALI, 0–10 V, or KNX), as well as a coordinated accessory range.

An additional power reserve of approximately 20% in power supply planning further ensures long-term operational reliability.

For you, this means not only creative freedom, but also technical planning security.

With COB LED Tapes from LEDTEC, you realize projects that impress aesthetically, remain economically sustainable, and function reliably for years – **technology that convinces.**

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2026 Images: LEDtec GmbH & AI-generated