



WAREHOUSES

Large and high warehouses require efficient lighting solutions that contribute to workers safety and productivity



THE CHALLENGES OF WAREHOUSES

Big and high spaces

Workers and forklifts need a clear sight of the goods and their surroundings to drive quick and safely.

High performance luminaires illuminate all zones, from the floor to the ceiling and on the shelving.

Location of the goods

Workers need optimal visual conditions on the floor and in the upper regions of the shelves.

Uniform horizontal and vertical light helps them.

Dust

Transport of goods brings dust, which fly around when forklifts drive by.

*It accumulates over the luminaires, so they must be **sealed** against its income. Resistant materials **guarantee quality lighting** during more time.*

Visual comfort

Glare make workers feel uncomfortable or even temporarily blinded, which can cause accidents when running a forklift or looking upwards to look for goods.

*Luminaires must guarantee **low glare** to guarantee optimal visual conditions for workers.*

Safety

Light must be enough and comfortable for workers to move securely and be concentrated.

*Well illuminated areas and **flicker-free luminaires** increases productivity and safety while avoiding mistakes.*

Maintenance

Warehouses usually have very high ceilings, so luminaires are installed out of reach.

*Robust LED luminaires with **long lifetime and quick installation** save maintenance costs and **increase profitability**.*

Different use

Some areas are used during short times, while others 24/7, so dimming can adapt the light to the needs.

Intelligent controls increase energy savings through better use of the light.

*Presence and daylight sensors activate when the area is empty or there is natural light, to optimize light and **reduce consumption**.*



DUNA FLEX HE HIGH BAY



Up to 170lm/W
 Up to 10,000lm IP66
 L80 100,000 hours at 35°C IK03



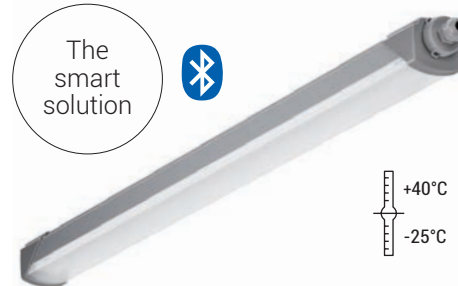
The right mix for warehouses

- PMMA diffuser and GRP housing.
- Stainless steel closing clips.

Options for higher flexibility

- Through wiring with up to 5 wires 2.5mm².
- Emergency kit optional.
- IK08 with polycarbonate housing and diffuser.
- Up to 15,000lm for the highest installations.

ZALUX BASE WIRELESS



Up to 138lm/W
 Up to 6,000lm IP66 / IP69K
 L80 70,000 hours IK10



Quick, easy and safe mounting

- Single-part polycarbonate profile with cable gland.
- Impact-resistant end caps.

Intelligent lighting

- Bluetooth wireless control and sensors.
- Suitable for dimming, scenes control and data monitoring.
- Quick configuration thanks to its mesh connection: fully interconnected and flexible



- Intelligent wireless control, with presence and daylight sensors to optimize the installation.



- DALI dimming to adapt the light to the needs and save energy.



- Extensive and narrow optics available for aisles and open areas.

ZALED A



High performance also in cold storages

- Wide temperature range from -30°C to +45°C.
- Excellent thermal management.
- Weatherproof fast connector for a simple installation.
- High bay versions up to 10,000lm available.





Warehouses need to guarantee safety and optimal visual conditions for workers and forklifts in the right time.

ZALUX luminaires are developed to offer high protection and visual comfort, while improving energy efficiency.

- Robust materials guarantee lighting quality over long times, even in outdoor.
- High performance lighting systems improve visibility even in high bay installations.
- Intelligent luminaires provide the right light only when and where it is needed.
- Wireless lighting control and sensors optimize the installation to save costs with flexibility.

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