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# EXPLOSION PROOF LUMINAIRES

POWERFUL PROTECTION, EFFICIENT  
PERFORMANCE, DESIGNED FOR DURABILITY



# HEAVY DUTY PRODUCTS FOR CRITICAL APPLICATIONS

Our new portfolio of LED luminaires for ATEX environments, not just offers high efficiency and energy savings, but has been designed, tried and tested for the installation in areas with risk of explosion for a vast variety of applications.



## PRODUCTION AND STORAGE

Lighting up challenging logistic and manufacturing environments. E.g. painting areas, woodworking, food or metal production.



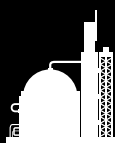
## CHEMICAL INDUSTRY

High uptime, regardless if agricultural, pharmaceutical or any other background.



## OIL AND GAS

Illumination of refineries and similar petrochemical plants.



## POWER PLANTS

Securing illumination within critical energy infrastructure.



## OFF-SHORE OIL AND GAS

Robust and durable, even at the most remote places.



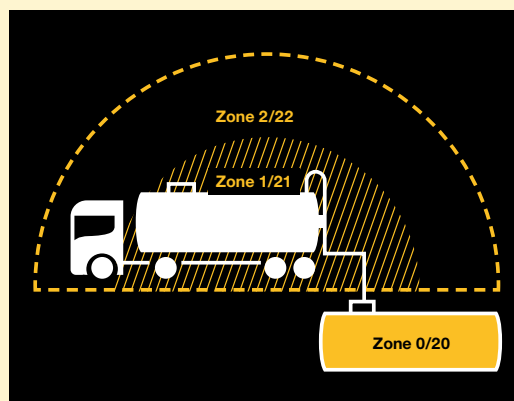
## MARITIME AND TERMINALS

Lighting 24/7 in tough working environments.



## WE OFFER PRODUCTS FOR EX ZONE 1 AND EX ZONE 2

| Zones   | Description                                                                                                                                                                                                                               | Duration of hazardous atmosphere |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Zone 0  | Area in which an explosive atmosphere consisting of a mixture with air of flammable substances in the shape of gas, vapour or mist, is continuously present, or it is foreseen to be present during long periods.                         | Constant                         |
| Zone 20 |                                                                                                                                                                                                                                           |                                  |
| Zone 1  | Area in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is likely to occur in normal operation.                                                                 | Likely                           |
| Zone 21 |                                                                                                                                                                                                                                           |                                  |
| Zone 2  | Area in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only. | Seldom                           |
| Zone 22 |                                                                                                                                                                                                                                           |                                  |



# EXPLOSION PROOF LUMINAIRES



- Zone 1
- Ex II 2G Ex eb mb IIC T4 Gb
  - Ex II 2D Ex tb IIIC 85°C Db
- Zone 2
- Ex II 3G Ex ec IIC T6..T4 Gc
  - Ex II 3D Ex tc IIIC 85°C Dc

## STRONGEx G2

- Robust luminaire with increased safety protection and suitable for outdoor.
- Extreme chemical and impacts resistance and up to 100 000 h lifetime.
- Available with wireless control and sensors to optimize energy savings.

ZONE 1, 21

ZONE 2, 22



IP66/69K  
IK10



RoHS  
REACH

## ACQUEX

- Extremely simply, safe and reliable for explosive atmospheres.
- Traditional aesthetics luminaire with GRP housing.

ACQUEX 1 TA, with LED module

ZONE 1, 21

ZONE 2, 22



IP66  
IK10



RoHS  
REACH

ACQUEX LED-M, with LED module

ZONE 2, 22



IP66  
IK10



RoHS  
REACH

ACQUEX LED-T8, with LEDVANCE LED and external system

ZONE 2, 22



IP66  
IK10



RoHS  
REACH



- Ex II 2G Ex eb ib mb IIC T6/T5 Gb
- Ex II 2D Ex tb IIIC T85°C Db

- Ex II 3G Ex ec IIC T6 Gc
- Ex II 3D Ex tc IIIC T85°C Dc

NEW



- Ex II 3G Ex ec IIC T6 Gc
- Ex II 3D Ex tc IIIC T85°C Dc

- Ex II 2G Ex db IIC T6 Gb
- Ex II 2D Ex tb IIIC T85°C Dba

NEW

## KRATEx

- Explosionproof luminaire with Ex db eb protection, with up to 11 750.
- With a wide range of options: DALI, Bluetooth wireless control or through wiring.

ZONE 1, 21

ZONE 2, 22



IP66  
Glass: IK07/IK09  
Pc: IK10



RoHS  
REACH

## OREx1 G2

- High bay solution, suitable for outdoor, with up to 25 600 lm.
- Extreme resistance thanks to its copper-free aluminium housing with glass cover.
- Flameproof version with safety portection device.

ZONE 1, 21



IP66/IP67  
IK10



RoHS  
REACH

### Increased safety/high temperature

- Ex II 2G Ex eb ib mb op is IIC T4 Gb
- Ex II 2D Ex tb op is IIIC T121°C Db

### Flameproof

- Ex II 2G Ex db eb ib mb op is IIC T5 Gb
- Ex II 2D Ex tb op is IIIC T95°C Db



### Increased safety

- Ex II 2G Ex eb ib mb op is IIC T5 Gb
- Ex II 2D Ex tb op is IIIC T95°C Db

NEW



- Ex II 3G Ex ec op is IIC T5..T4 Gc
- Ex II 3D Ex tc op is IIIC T80°C...T115°C Dc

NEW

## OREx2 G2

- High bay explosion proof LED luminaire with up to 41 850 lm.
- Extremely resistant to weather and industrial conditions, suitable for outdoor.
- With mounting and connection accessories to make installation easier.

ZONE 2, 22



IP66/IP67  
IK10



RoHS  
REACH

ALL PRODUCTS ARE DELIVERED IN BRAND ZALUX.



## ABOUT LEDVANCE

With business activities in over 140 countries, LEDVANCE is one of the world's leading general lighting companies. Emerging from OSRAM's general lighting division, LEDVANCE's portfolio includes LED lamps and luminaires, intelligent lighting products, traditional lamps and renewable energy solutions.

#POWERTHROUGHLIGHT

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**LEDVANCE**

### WOULD YOU LIKE MORE INFORMATION?

Are you interested in explosion proof lighting for your project? Our experts are happy to advise you.

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