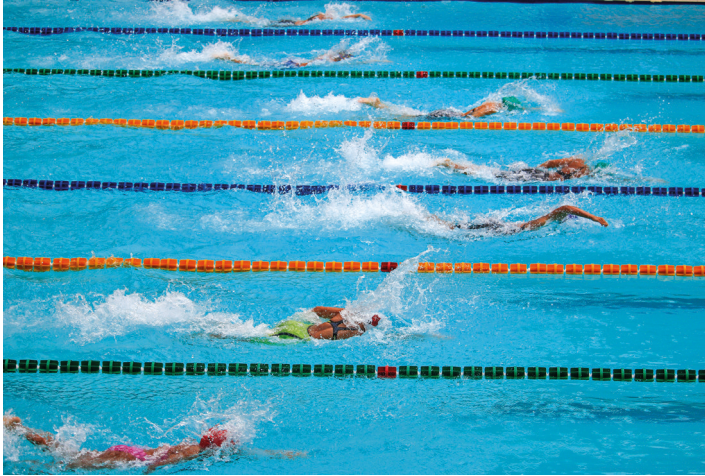


SWIMMING POOLS



Indoor swimming pools are highly humid places, so luminaires must resist and adapt to demanding mounting.



The challenges

Humidity and chlorine

High humidity and chlorine accelerate corrosion of materials, which can affect luminaires lifetime.

Gas tight and IP69K luminaires resist humidity and splashes.

High temperature

Heat from high humidity and heating accumulates in ceilings, which can damage electronic components.

Luminaires must offer high reliability and lifetime even in high temperature environments.

Reflection of water

Lighting quality affects swimmers safety and could difficult the view of lifeguards and viewers during competitions.

An excessive brightness reflected in the water could cause discomfort.

Luminaires with low glare and an specific light distribution improve users experience.

Visibility

Recreational swimming needs 300lux, while competitions require at least 500lux.

Uniform neutral white light with CRI>80 make surfaces clearly visible around the pool and below the water.

Difficult access

The building layout usually requires mounting around the vessel in ceiling or walls, with some tilting.

These difficult-to-reach locations are challenging for maintenance.

Resistant luminaires with flexible mounting and low maintenance facilitate installation and reduce costs.

Energy efficiency

Swimming pools are open during long times, so higher lumen/W, improves energy efficiency with less light points.

Also natural light could contribute to illuminate the pool with daylight sensors.



The solution

- High resistant materials against humidity and chlorine guarantee the installation over long times.
- Robust luminaires with long lifetime offer reliability even with high temperatures.
- Reliable LED luminaires improve lighting quality and users comfort.
- Flexible mounting and high resistance reduce installation and maintenance costs.
- Optional intelligent controls and sensors increase energy savings through better use of the light.



The product

STRONGERTUBE G2 ZB

Reliability for challenging environments

Up to 150lm/W

Up to 8,000lm

L80 100,000 hours at 35°C

Double asymmetric light

Gas tight

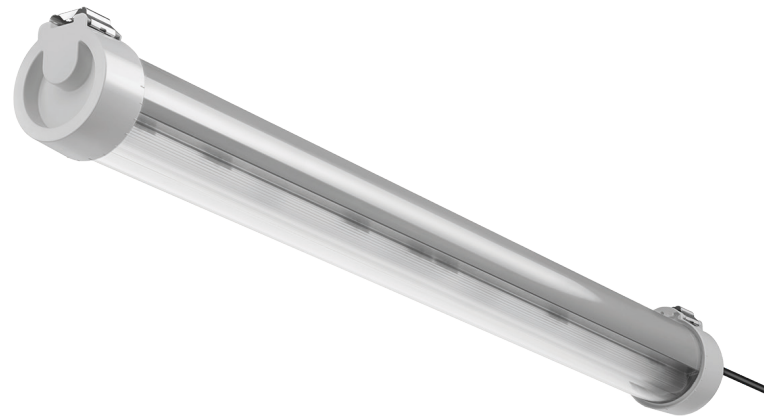


IP 69K

IK 10



5 YEARS warranty



Suitable for hyper chlorinated environments

Benefits

High resistance to ambient conditions

- Chemical resistant PMMA with UV protection and extra thickness to guarantee robustness.
- Resistant to cleaners with water up to 80°C and 100 bar.
- Rounded shape to avoid accumulation of dust.

Fit and forget

- Specific potting process for a full gas tight sealing, to avoid the penetration of gases and water.
- Completely safe against the corrosion of LED modules and electronic components.
- Excellent thermal management.

Quick, flexible and comfortable

- Special stainless steel fixing bracket.
- 3 m connection cable with outer sheath.
- 4000K and CRI >80 for high visual comfort and accuracy.



Stainless steel fixing bracket included
It allows luminaire rotation



A good light helps users to enjoy swimming with security. The challenge is to combine the lighting needs with luminaires resistant to demanding environments.

ZALUX luminaires provide maximum reliability where the highest protection is needed. STRONGERTUBE is a full gas tight luminaire suitable for swimming pools.

- Resistant materials avoid the damage caused by corrosive elements.
- Specific potting process avoid the income of water and gases into the luminaire.
- Excellent thermal management resistant to high temperatures during long times.
- Stainless steel fixing clips and special clamps make installation quicker and easier.

ZALUX is since 1980 your expert partner for weatherproof luminaries. Developed and manufactured to achieve high efficiency, maximum safety and optimal functionality.

Perfectly made for all conditions



ZALUX, S.A.

Avda. Manuel Rodríguez Ayuso, 114
Centro Empresarial Miralbuena
Planta 1ª – Local P2.
E-50012 Zaragoza, Spain
Tel.: +34 976 462 200
info@zalux.com

www.zalux.com