

Press information

PLEASE NOTE: EMBARGO UNTIL 30. APRIL 2018, 22H

AMPHIBIA – high resistance meets high performance

The AMPHIBIA moisture-proof luminaire from Zumtobel breaks new ground in industry lighting. The advanced design and durable components of this tough IP66 product guarantee optimum safety and reliability in more than 245 industry applications. Its compact size, high-quality construction and one-material concept combine to ensure certified protection against chemicals, physical impact and extreme temperatures, while advanced lighting technology creates a safe and productive working environment.

Dornbirn, 25 april 2018 – Industry applications are tough places for lighting solutions. Dust, moisture, chemicals and extreme temperatures pose a constant threat, pushing materials to their physical limits and compromising the effectiveness and efficiency of most luminaires. At the same time, an increased focus on user well-being and new standards of lighting quality make a difficult job even harder. [AMPHIBIA](#) now overcomes all of these challenges, blending high mechanical resistance with performance levels optimised for the most demanding lighting tasks.

One solution with one material – for countless applications

[Zumtobel](#) has called on its extensive industry experience to engineer one solution for a wide range of applications. Leading designer Stefan Ambrosius helped devise a luminaire that meets the varied environmental and lighting requirements of factories, technical rooms, agricultural sites, indoor car parks and outside covered areas – thanks especially to an effective one-material concept. Both the luminaire housing and the diffuser are made from the same high-quality material, composed of PC, PMMA or CHEMA, ensuring optimum resistance over the full lifetime of the solution.

AMPHIBIA can be specified in three versions, depending on the particular project requirements. With a certified rating of IK08, the PC (polycarbonate) luminaire ensures high resistance against impacts and mechanical stress. The PMMA variant offers outstanding protection against a long list of chemicals, including cleaning agents commonly used in the food industry, while the CHEMA product features a unique Zumtobel plastic compound that combines excellent chemical resistance with robust mechanical stability. High IP66 protection against dust and powerful jets of water is standard across the AMPHIBIA range.

Application-based design features

The AMPHIBIA development team devised a number of clever product features as a direct response to defined application requirements. The unique Drip-Edge-Effect design meets the strictest hygiene regulations, helping to prevent dirt and detergents from gathering on the fitting. The flat areas where dust and moisture tend to collect on conventional moisture-proof solutions have been replaced by carefully angled surfaces that repel any particles, leading to major improvements in terms of protection and performance. In addition, dedicated versions for extreme temperatures come with a special gear tray and an industry converter, enabling them to withstand ambient temperatures ranging from -35°C to +50°C.

Efficient performance for maximum lighting quality

Yet AMPHIBIA also puts the focus on lighting quality. In line with the principles of Active Light, the pioneering Zumtobel concept, four different light distributions cater for specific application requirements. Alongside familiar wide-beam and narrow-beam options, a luminaire with a medium beam for mounting heights of 4-6 metres helps to save energy and cut the number of light points. The AMPHIBIA range is completed by a product with an asymmetric distribution that has been specially engineered (along with the wide-beam variant) to meet the new DIN 67528 norm for lighting in car parks. Five outputs supply up to 8000 lumens with a luminous efficacy of up to 150 lumens per watt, promising maximum visual quality with minimum energy consumption, while precise glare management and a transparent canopy (with wide-beam and asymmetric-beam versions) boost vertical illuminance and deliver pleasant indirect light for a safer and more effective lit environment. Luminaires with integrated emergency lighting and controls, including microwave presence detection and wireless connection, support smart industry concepts and complete a powerful portfolio. AMPHIBIA: the Zumtobel solution for 245 industry applications – not counting jungles.

Facts and figures:

- One-material concept ensures optimum protection against physical impacts, chemicals and sudden changes in temperature. Available in PC, PMMA or CHEMO
- Unique Drip-Edge-Effect feature helps meet strict hygiene regulations
- Patented snap-on InvisiClick mechanism enables cliplless mounting
- Two lengths (1100mm and 1600mm) and seven wiring possibilities
- Dedicated versions for extreme ambient temperatures (from -35°C to +50°C)
- Four light distributions for specific application requirements: wide beam (WB), medium beam (MB), narrow beam (NB) and asymmetric beam (AB)
- AB & WB versions engineered to meet the new DIN 67528 norm for car-park lighting.
- Transparent canopy (with WB and AB variants) delivers pleasant indirect light for a safer and more effective lit environment
- Precise glare management and high vertical illuminance
- Five outputs with up to 8000 lumens and an efficiency of up to 150 lm/W
- Optional emergency and sensor versions

Captions:

(Photo Credits: Zumtobel)



Fig. 1: The AMPHIBIA moisture-proof luminaire from Zumtobel breaks new ground in industry lighting.



Fig. 2: The advanced design and durable components of this IP66 product guarantee optimum safety and reliability in more than 245 industry applications - not counting jungles.



Fig. 3: Both the luminaire housing and the diffuser are made from the same high-quality material, composed of PC, PMMA or CHEMO, ensuring optimum resistance over the full lifetime of the solution.

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About Zumtobel

We are passionate about designing and producing the highest quality of light. Our work is driven by the knowledge that the right light can create the right environment for people to thrive when tailored to their individual needs. Guided by a unique design approach, we continuously push our boundaries in search for perfection through unique and timeless design. As we develop the next generation of lighting, we build on our family heritage to refine the aesthetics of light and shape the lighting of tomorrow. With a special blend of passion, grace and avant-garde ideas, we turn light in to an experience and remain committed to the goal of improving the quality of life through light. Zumtobel is a brand of the Zumtobel Group AG with its headquarter in Dornbirn, Vorarlberg (Austria).

Zumtobel. The Light.