AMPHIBIA
Industry applications are tough places. AMPHIBIA helps customers achieve their targets and minimise risks. Different versions fulfil the most demanding lighting tasks by combining high performance levels with strong resistance against water, dust, chemicals and extreme temperatures.
Mechanical resistance

A compact design and highly impact-resistant materials provide the kind of mechanical stability required for logistics, agriculture and car-park applications.

Temperature resistance

A consistent material concept and a specially engineered gear tray make sure that the luminaire can withstand ambient temperatures ranging from -35 °C to + 50 °C.

Chemical resistance

The versatility of AMPHIBIA is based on the specific benefits of three materials. These offer maximum resistance against chemical substances such as acids, alkalis, halogens, solvents, fats and oils.

The luminaire housing and diffuser are made from the same material. This means that the product maintains full resistance during any physical expansion caused by changes in temperature.

PMMAplus

This special acrylic is not only highly transparent, but also resistant against impacts, UV radiation and weather. Even the risk of tension cracking has been minimised. When it comes to chemicals, luminaires made of PMMAplus are able to withstand a variety of acids, alkalis, halogens, mineral oils, fats and oils.

Chemo

The unique plastic compound combines wide-ranging chemical resistance with high impact resistance and durability – tension cracks therefore become a thing of the past. This highly translucent luminaire is also able to cope with alkalis, anorganic salts, solvents, fuels, fats and oils.

PC

Stability is the top priority when people or objects come into direct contact with the luminaire. The most mechanically robust luminaire in the portfolio is also UV-stable, high-impact and chemically resistant against alcohol, ethanol or hydrogen peroxide.
One housing
One material
Built to stay clean.

AMPHIBIA stays clean. Waste water has no chance, it simply drips off without dirtying the optics, while surfaces and niches where dust could gather have been completely avoided. Not even a mounting clip interrupts the smooth surface of the entirely transparent and IP66-protected luminaire.
Cleaning experts have confirmed that AMPHIBIA can be safely cleaned with the most commonly used cleaning agents and disinfectants, alkaline solutions and acidic descaling agents in the food industry.

Compact

Hygienic design starts with a smooth surface that leaves no place for deposits. With Invisi-Click, AMPHIBIA has swapped a conventional fastening clip for a clipless version that works out of sight.

Smart

A long list of technical refinements enable AMPHIBIA to stay clean for longer. Injection edges with an angle of more than 15° and optics with a Drip-Edge-Effect help guide dust and water away from the fitting.

Easy to clean

Rounded corners and smooth surfaces support quick and easy cleaning – especially as pressure washers and strong detergents can be used if required.
Built to bring spaces to life.

When fulfilling visual tasks on point priorities can vary. Sometimes, it is ensuring the effective illumination of extensive production areas. Other times, the focus is on long corridors of high-level racking or busy traffic routes. AMPHIBIA hits the mark from every height – with good uniformity and maximum efficiency.
Impressively effective

AMPHIBIA fulfils different visual tasks with maximum effectiveness. Homogeneous light without glare is offered in four beam characteristics for high halls and low rooms, for wide areas and narrow corridors.

**Narrow Beam (NB)**
The narrow-beam distribution directs high light levels onto shelves and down to the floor from heights of up to 8 metres, making it the ideal choice for high production facilities and logistics halls.

**Medium Beam (MB)**
Production and logistics areas with mounting heights of between 4 and 6 metres can benefit from the optimum efficiency achieved by this medium-wide option.

**Wide Beam (WB)**
The wide light distribution makes it possible to evenly illuminate production areas, shelving units and corridors – even from low mounting heights.

**Asymmetric Beam (AB)**
Focused asymmetric light provides high vertical illuminance for added visual comfort in rooms with heights of up to 4 metres (such as car parks or production zones).
Length
1100 mm | 1600 mm

Material
PMMAplus | Chemo | PC

Light distribution
Narrow Beam | Medium Beam | Wide Beam | Asymmetric Beam

Colour temperature
3000 K | 4000 K | 6500 K

Colour rendering
Ra > 80

Glare Control
UGR < 22

Luminaire efficiency
Up to 160 lm/W

Protection class
IP66

Direct and indirect light
A completely clear luminaire covers all requirements. Wide-beam and asymmetric luminaires create a pleasant spatial effect through an indirect light component, while narrow-beam and medium-beam versions of AMPHIBIA use direct light to illuminate higher rooms with maximum efficiency.

Optical diffuser cover
Linear microprisms broaden the light distribution in line with the visual task. Luminaires with a narrow or medium-wide beam only require light to be emitted laterally, while a completely structured diffuser generates the wide and asymmetrical light distributions.

Diffuse primary optics
A diffuse optic mounted above the LEDs dissolves the individual light points. This helps AMPHIBIA produce homogeneous glare-free light.

LED module
The precise light output and high luminaire efficiency stem from powerful LED modules, which are photometrically optimised and positioned according to the visual task.
Built to be flexible.

Whether a ceiling or a wall, horizontal or vertical – whatever you need, AMPHIBIA promises the highest installation flexibility on the market. This moisture-proof luminaire can be safely positioned and neatly installed in just a few simple steps – in even less via a BESA box.
Built to be precise.

As a truly versatile lighting tool, AMPHIBIA complies with all the norms and standards associated with a modern lighting solution. For example, it adheres with the newly introduced specifications for parking garages by achieving the required cylindrical illuminance levels for parking areas.

<table>
<thead>
<tr>
<th>Room height</th>
<th>Production</th>
<th>Logistics</th>
<th>Car park</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,5 m</td>
<td>Wide Beam</td>
<td>Medium Beam Wide Beam Asymmetric Beam Wide Beam</td>
<td></td>
</tr>
<tr>
<td>4 m</td>
<td>Wide Beam</td>
<td>Medium Beam</td>
<td>Wide Beam</td>
</tr>
<tr>
<td>6 m</td>
<td>Medium Beam Medium Beam</td>
<td>Medium Beam</td>
<td></td>
</tr>
<tr>
<td>8 m</td>
<td>Narrow Beam Narrow Beam</td>
<td>Narrow Beam</td>
<td></td>
</tr>
</tbody>
</table>
Until now EN 12464-1:2011 defines minimum values for horizontal illuminance on the ground.

Traffic routes
- min. 75 lx horizontal | \( g_1 = 0.4 \)

Parking areas
- min. 75 lx horizontal | \( g_1 = 0.4 \)

In the future The aim of DIN 67528:2017-09 is to use specifications for cylindrical and vertical illuminance levels at different heights to improve visibility, while at the same time not wasting any energy.

Traffic routes
- min. 50 lx cylindrical | 1.2 m height above the floor | \( g_1 = 0.4 \)

Parking areas
- min. 50 lx vertical | 1.5 m from drive lane
- 0.8 m, 1.2 m and 1.6 m height above the floor | \( g_1 = 0.4 \)
Built to explore.
AMPHIBIA round

Two round versions of AMPHIBIA offer additional creative potential. For example, while the linear luminaire looks after general lighting in applications such as indoor car parks, the round model is often used to highlight special areas like entrances, exits or ticket machines.

**Diameter**
ø 390 mm | ø 680 mm

**Material**
Polycarbonate

**Light distribution**
Direct/Indirect

**Colour temperature**
3000 K | 4000 K

**Luminous intensity**
3000 lm | 5000 lm

**Colour rendering**
Ra > 80

**Protection class**
IP65
AMPHIBIA
Moisture-proof luminaire

AMPHIBIA
Moisture-proof luminaire

long-lasting
identical material for housing and diffuser expands at the same rate

Metal
Wide Beam | Medium Beam
2.5 m – 6 m room heights
UGR < 22
CHEMO
IP66 
-25 °C
+35 °C

Food
Wide Beam | Medium Beam | Asymmetric Beam
2.5 m – 6 m room heights
UGR < 22
PMMAplus | CHEMO
IP66 
-25 °C
+35 °C

Logistics
Medium Beam | Narrow Beam
up to 8 m room heights
UGR < 25
PC
IP66 
-35 °C
+50 °C

15 % indirect
direct 100 %
Medium Beam Narrow Beam
15 % indirect
direct 85 %
Wide Beam Asymmetric Beam

3000 K 4000 K 6500 K
2900 lm 4000 lm 4600 lm 6400 lm 8000 lm 10 000 lm
versatile

Parking

Wide Beam | Asymmetric Beam
2.3 m – 3 m room heights

UGR < 22
PC
IP66 UV stable

Agriculture

Wide Beam | Medium Beam | Asymmetric Beam
2.5 m – 6 m room heights

UGR < 22
PMMAplus
IP66 -10 °C +35 °C

245 application areas illuminated to EN standards

hygienic

Drip-Edge-Effect
smooth surface without fastening clips
rounded corners
injection edge

luminaire efficiency up to 160 lm/W
lifetime 50 000 h L90
emergency lighting
presence detectors
radio modules for wireless networking
Zumtobel, a company of the Zumtobel Group, is an internationally leading supplier of integral lighting solutions for professional indoor and outdoor building lighting applications.

We provide unique customer benefits by integrating technology, design, emotion and energy efficiency. We combine the best possible ergonomic lighting quality for an individual’s well-being with the responsible use of energy resources. The company’s own sales organisations in twenty countries, as well as commercial agencies in fifty other countries, form an international network of experts and design partners providing professional lighting consulting, design assistance and comprehensive services.

**Lighting and sustainability**
In line with our corporate philosophy “We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment”, Zumtobel offers energy-efficient high-quality products, while at the same time making sure that our production processes based on the considerate use of resources are environmentally compatible.

Top quality – with a five-year guarantee.
As a globally leading luminaire manufacturer, Zumtobel provides a five-year manufacturer’s guarantee on all Zumtobel branded products in accordance with the terms of guarantee at zumtobel.com/guarantee.

EN 12/19 © Zumtobel Lighting GmbH
Technical data was correct at time of going to press. We reserve the right to make technical changes without notice. Please contact your local sales office for further information.
United Kingdom
ZG Lighting (UK) Limited
Chiltem Hill, Chalfont St. Peter
Buckinghamshire SL9 9GF
T +44(0)1494 821400
info.uk@zumtobelgroup.com
zumtobel.co.uk

USA and Canada
Zumtobel Lighting Inc.
3300 Route 9W
Highland, NY 12528
T +1/845/691 6262
F +1/845/691 6289
info.us@zumtobelgroup.com
zumtobel.us

Australia
Zumtobel Lighting Australia Pty Ltd
2/7 Milner Avenue,
Horsley Park, NSW 2175
T +61/2/9731 1396
info.au@zumtobelgroup.com
zumtobel.com.au

New Zealand
ZG Lighting (NZ) Limited
27 Jomac Place,
Avondale, Auckland 1026
PO Box 71134, Rosebank,
Auckland 1148
T 0800 808 019
F +64/9/828 7155
info.nz@zumtobelgroup.com
zumtobel.co.nz

China
Thorn Lighting (Guangzhou) Limited
12A Lian Yun Road,
Eastern Section,
GETOO, Guangzhou
510350, P.R. China
T +8620/8232 6000
info.cn@zumtobelgroup.com
zumtobel.cn

Hong Kong
ZG Lighting Hong Kong Ltd.
Unit 503 – 508, 5/F, Building 16W,
Phase 3, Hong Kong Science Park,
New Territories, Hong Kong
T +852/2752 8303
F +852/2787 0247
info.hk@zumtobelgroup.com

India
ZG Lighting Singapore Pte. Ltd.
15B Hallang Way #06-01/02
Singapore 349245
T +65/6745 7707
F +65/6745 7708
info.sg@zumtobelgroup.com

United Arab Emirates
Zumtobel Lighting GmbH (Branch)
48 Street, Al Quoz industrial area 1,
P.O.Box: 22672, Dubai,
United Arab Emirates
T +971 4 442 8646
info.ae@zumtobelgroup.com
zumtobel.ae

Qatar
ZG Lighting Trading WLL
Abdul Jaleel Business Centre,
Office No. 304, Najma Airport Road
P.O.Box: 6026
Doha, Qatar
T +974 4 430 1445
info.q@zumtobelgroup.com
zumtobel.qa

Romania
Zumtobel Lighting Romania SRL
Radu Grozceanu Street, no. 2,
Ground Floor, sector 4
012255 Bucharest
T +40 31255 3801
F +40 31255 3804
info.ro@zumtobelgroup.com
zumtobel.com

Spain
ZG Lighting Ibérica, S.L.
C/ Inocencio Fernández, 81 Bajo C
28035 Madrid
T +34 916 593 076
F +34 916 593 074
info.es@zumtobelgroup.com
www.zumtobel.es

Hungary
ZG Lighting Hungary Kft.
Vaci út 49
1140 Budapest
T +36/(1) 450 2400
F +36/(1) 350 2189
info.hu@zumtobelgroup.com
zumtobel.hu

Croatia
ZG Lighting d.o.o.
Ulica Petra Hektorovića 2
10000 Zagreb
T +385/(1) 640 080
F +385/(1) 640 080
info.hr@zumtobelgroup.com
zumtobel.hr

Bohemia and Herzegovina
ZG Lighting d.o.o.
Predstavništvo u BIH
Zmajova od Bosne 7
71000 Sarajevo
T +387 33 590 463
info.ba@zumtobelgroup.com
zumtobel.ba

Serbia
ZG Lighting SRB d.o.o.
Rudnikova 14
11000 Belgrad, Serbia
M +381 69 54 44 80
F +381 69 54 44 80
info.rs@zumtobelgroup.com
zumtobel.rs

Czech Republic
ZG Lighting Czech Republic s.r.o.
Jankovcova 2
170 00 Praha
T +420 318 673 200
info.cz@zumtobelgroup.com
zumtobel.cz

Slovak Republic
ZG Lighting Slovakia s.r.o.
Tomášikova 6a
891 04 Bratislava
T +421 22 030 0044
info.sk@zumtobelgroup.com
zumtobel.sk

Poland
Zumtobel Lighting Polska Sp. z o.o.
Wolska 9a
Platinum Business Park III
02-583 Warszawa
T +48 22 856 37 31
info.pl@zumtobelgroup.com
zumtobel.pl

Bosnia and Herzegovina
ZG Lighting d.o.o.
Ulica Petra Hektorovića 2
71000 Sarajevo
T +387 33 590 463
F +385/(1) 64 04 090
info.hr@zumtobelgroup.com
zumtobel.hr

Croatia
ZG Lighting d.o.o.
Ulica Petra Hektorovića 2
10000 Zagreb
T +385/(1) 640 080
F +385/(1) 640 080
info.hr@zumtobelgroup.com
zumtobel.hr

Sweden
ZG Lighting Nordic AB
Hyllie Boulevard 10b
215 32 Malmö
T +46 469 1000
info.se@zumtobelgroup.com
zumtobel.se

Denmark
ZG Lighting Denmark A/S
Salmholmen 755, 5. sal
2650 Hvidovre
T +45 35 43 70 00
info.dk@zumtobelgroup.com
zumtobel.dk

Zumtobel Lighting GmbH
Schweizer Strasse 30
6851 Dornbirn, AUSTRIA
T +43/(0)55 72/390-0
info@zumtobel.info
zumtobel.com
The Light.