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# AMALION® LED solutions

Innovative lighting for indoor plant installations

BLV is a brand of the Ushio Group and is distributed by Ushio Germany GmbH



# AMALION® LED

## Combination of architectural beauty & plant needs

Natural oases in indoor spaces are becoming increasingly important as urbanisation progresses. Plant installations range from small flower containers to green walls and large-scale natural compositions in public spaces. The advantages of interior greening have long been recognised: they offer a wide range of possibilities for combining design-oriented architecture with sustainable and positive effects. Thus they not only embellish the ambience, but also improve the room climate and the overall atmosphere, increase productivity and as architectural elements are often part of an overall composition.

However, to keep indoor plants healthy over a long time they need special light.

Finding a lighting which keeps your plants healthy without compromising the atmosphere of your exhibition can be a challenge.

Designated plant lightings are usually pink, designed to stimulate extensive growth, but are disturbing to the human eye. White light, on the other hand, is pleasing for the visitors, but inefficient when it comes to photosynthesis.

With AMALION® BLV presents a lighting solution that combines neutral white light with a spectrum that the plants need for healthy growth.

***„Architecture is the masterly, correct, and magnificent play of masses brought together in light.“ Le Corbusier***

## Illumination of architecture

White light sets the plant installation as an architectonic and decorative element perfectly in scene as desired by the architects and light planners.

White light makes the leaves and blossoms of an installation look natural and alive to the human eye as under sunlight.

With a CCT of 4000K, the AMALION® series blends harmoniously into the general lighting and thus creates a visual calm and enjoyable light atmosphere for clients, visitors and employees.

*For the ideal visual perception  
white light and the right colour  
temperature are essential*

*Plants are living organism  
and need a specific spectrum  
for healthy growth and  
conservation*



## Special light spectrum for plants

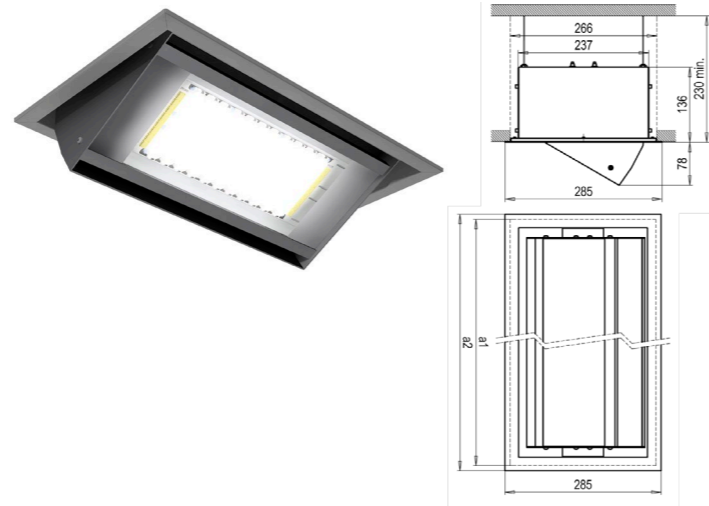
Indoor plant installations, however, are not pure works of art, but usually living organisms that have very specific needs. The AMALION® series is tailored to the needs of decorative plants without masking their natural colours in pink; an effect known from many LED lights for horticulture. With its particular spectrum, the AMALION® series stimulates photosynthesis and thus, supports healthy growth and a lasting natural appearance of the plants. At the same time, it prevents excessive and unnatural growth, so that plant installations maintain the designed shape. It reduces maintenance efforts and premature replacement of stunted plants and thus saves costs.

# AMALION® Wallwasher

for recessed ceiling mounting

## Linear LED luminaires for mounting in suspended ceilings

- Available as single or double module version
- Anodised aluminium body with clear glass cover, IP20, tilted 30°
- Ceiling mounting frame white powder-coated
- Special lens optics for uniform wall illumination
- Neutral white light (4000 K) with high colour rendering CRI > 90
- Spectral distribution and  $\mu\text{mol}$  performance optimised for balanced plant growth
- Power levels up to 240 W
- System scalable for different wall dimensions

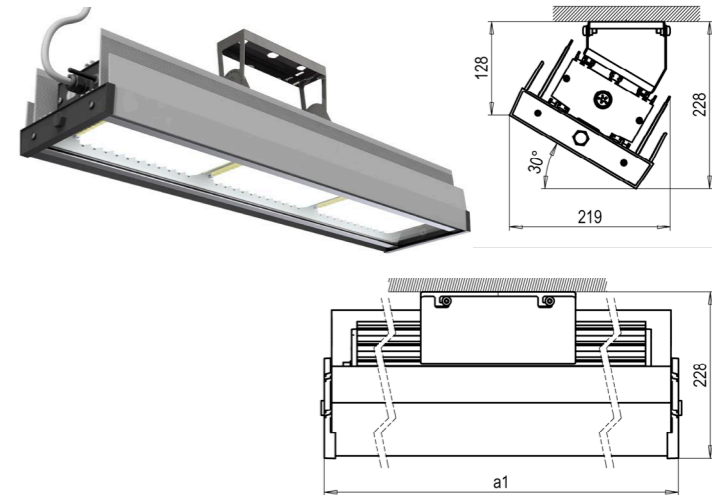


# AMALION® Wallwasher

for ceiling surface and suspended mounting

## Linear LED luminaires for ceiling surface and suspended mounting

- Available as single, double or triple module version
- Anodised aluminium body with clear glass cover, IP65
- Special lens optics for uniform wall illumination
- Neutral white light (4000 K) with high colour rendering CRI > 90
- Spectral distribution and  $\mu\text{mol}$  performance optimised for balanced plant growth
- Power levels up to 360 W
- System scalable for different wall dimensions
- Fixing with 30° ceiling mounting bracket or steel cord suspension

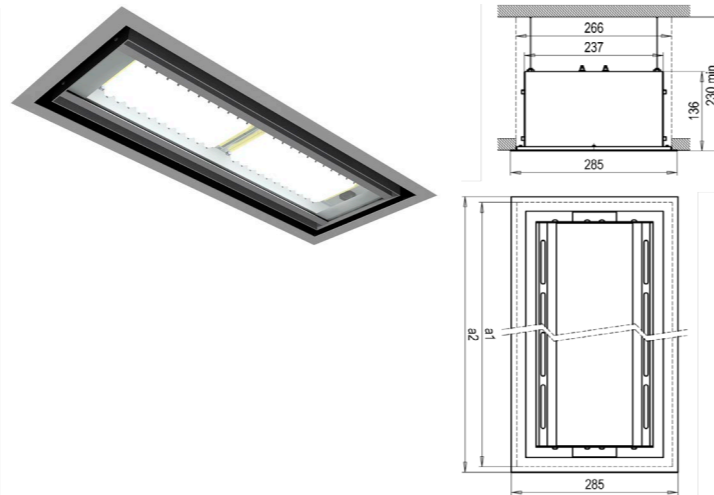


# AMALION® Toplights

for recessed ceiling mounting

## Linear LED luminaires mounting in suspended ceilings

- Available as single or double module version
- Anodised aluminium body with clear glass cover, IP20, recessed flush with the ceiling
- Ceiling mounting frame white powder-coated
- Secondary optics with 25°, 60° or 85° beam angle
- Neutral white light (4000 K) with high colour rendering CRI > 90
- Spectral distribution and  $\mu\text{mol}$  performance optimised for balanced plant growth
- Power levels up to 240 W

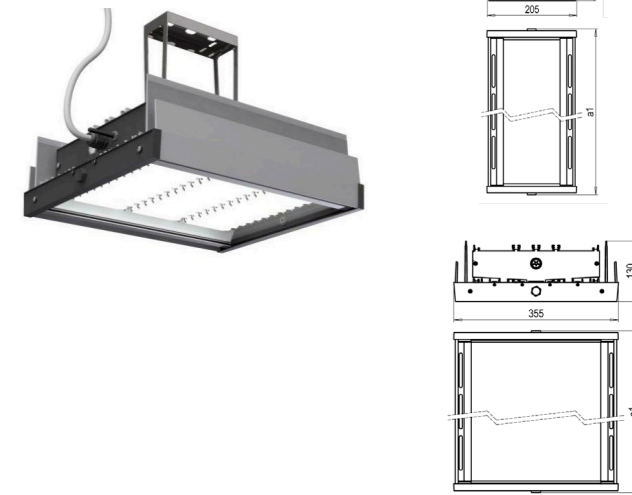


# AMALION® Toplights

for ceiling surface and suspended mounting

## Linear and square LED luminaires for ceiling surface or suspended mounting

- Available as single, double or triple module version
- Anodised aluminium body with clear glass cover, IP65
- Secondary optics with 25°, 60° or 85° beam angle
- Neutral white light (4000 K) with high colour rendering CRI > 90
- Spectral distribution and  $\mu\text{mol}$  performance optimised for balanced plant growth
- Power levels up to 360 W
- Fixing with ceiling mounting bracket or steel cord suspension

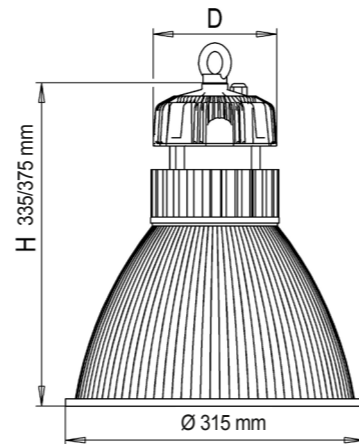


# AMALION® Low Bay

for suspended mounting

## LED pendant luminaires for suspended mounting

- Driver body / heat sink painted black
- Optical system consisting of lens and reflector for optimum homogeneous light distribution
- Choice of reflectors: clear, partly painted silver or opal white
- Beam angle approx. 70°
- Neutral white light (4000 K) with high colour rendering CRI > 90
- Spectral distribution and  $\mu\text{mol}$  performance optimised for balanced plant growth
- Power levels 60 and 100 W
- 1-point suspension with central suspension lug



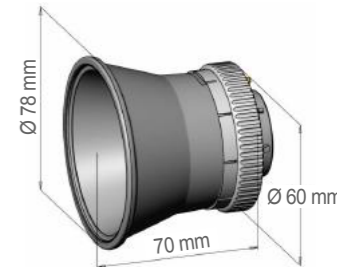
# AMALION® Accents

compatible with BLV HEDRION luminaires

## Exchangeable LED lamps with faceted high-gloss glass reflector

- Choice of beam angles: 12°, 25° or 40°
- G46d QuickChange™ base for easy lamp replacement
- Lamp wattage 25 W
- Neutral white light (4000 K) with high colour rendering CRI 95 / R9 95
- Spectral distribution and  $\mu\text{mol}$  performance optimised for balanced plant growth
- Ideal for smaller plant installations

**Fully compatible with the following luminaires of the BLV HEDRION series**



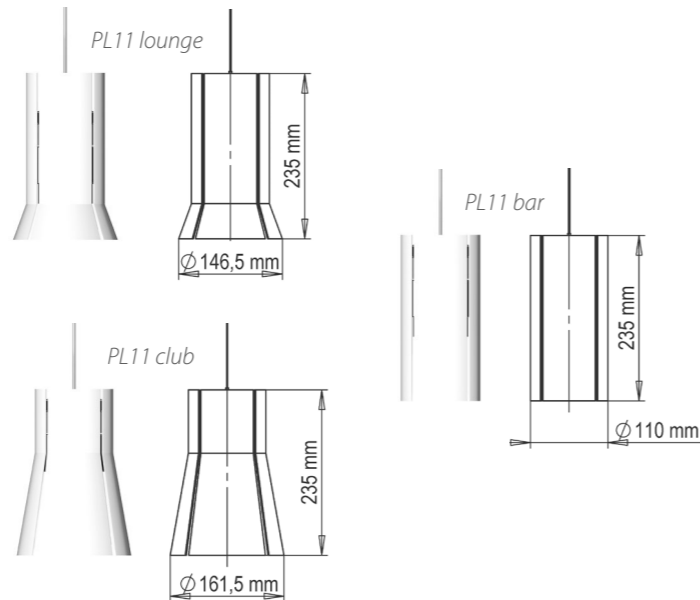
# HEDRION Pendant light

for suspended mounting

## HEDRION Pendant light PL 11

### LED pendant luminaires for suspended mounting

- For AMALION® glass reflector lamps
- Easy lamp change with G46d QuickChange™ system
- Three different design options
- Housing colour white (similar RAL 9003), glossy
- Mounting with ceiling canopy (suspended ceilings only)
- Dimmable versions available



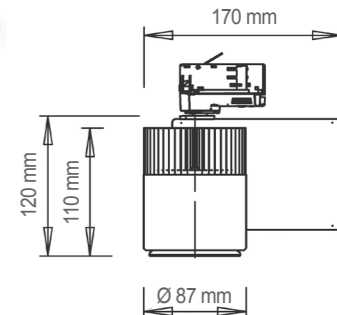
# HEDRION Spotlight

for accent lighting

## HEDRION Spotlight SL 30

### LED spotlights with 3-phase universal track adapter

- For AMALION® glass reflector lamps
- Easy lamp change with G46d QuickChange™ system
- Aluminum die-cast body, powder coated
- Two colour options: white and black, matt finish
- Dimmable 1-10V version with built-in potentiometer



# HEDRION Downlights

for recessed ceiling mounting

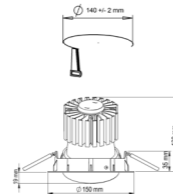
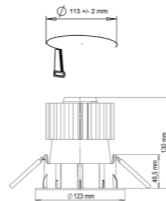
## HEDRION Downlights DL 150

### LED downlights for installation in suspended ceilings

- Different versions available: fixed, rotatable and/or tiltable up to 20°
- For AMALION® glass reflector lamps
- Easy lamp change with G46d QuickChange™ system
- Aluminum die-cast body, powder coated white, matt finish
- Dimmable versions available
- Driver connection by means of easy to install plug contact



DL 150 RF



DL 150 RC



DL 150 SR

