

# AmphiLux surface mounted – light up your outdoor social areas

## AmphiLux, surface mounted

People want to spend more quality time outdoors with family and friends. The AmphiLux surface-mounted spotlight range is designed to enhance outdoor social areas (gardens, terraces, fountains, waterfalls, etc.) with architectural lighting. AmphiLux is a family of LED spots featuring a stunning, sleek Italian design with a stylish chrome finish. These solutions can be used under water and in semi-wet and dry environments. Available in Micro, Mini and Compact sizes, the range offers a choice of dynamic white-light and colored-light versions for maximum flexibility in tasteful flood and accent lighting.

### Benefits

- All mono-color products are powered via a standard 12 V DC driver, making them safe in human-occupied water and extremely easy to install.
- The dynamic color spots provide a rich color spectrum (RGBW), from fully saturated to soft pastel colors; the color-temperature-variation spots create a variety of white tones.
- The use of LEDs and quality optics make the AmphiLux spots very energy-efficient, with energy savings of up to 80% possible, depending on the application.

### Features

- Sleek, attractive design
- Highly efficient, low-power LED spots
- Every spot available in the mono-colors high-quality white (2700, 4000, 6000 K) and blue
- Mini and Compact spots also available in dynamic versions with RGBW or color temperature variation
- IP68-rated for underwater use, but also suitable for dry environments
- Very installation-friendly due to 12 V DC driver system for all mono-color spots

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## Application

- Architectural flood and accent lighting in fountains, waterfalls, gardens or on buildings system for all mono-color spots

## Specifications

<b>Type</b>	BVD400 Micro (1 x LED, Mono color version)	<b>Maintenance of lumen output - L90</b>	43.000 hours at 35°C	
	BVD410 Mini (4 x LED, Mono and Dynamic color version)		<b>Maintenance of lumen output - L70</b>	147.000 hours at 35°C
	BVD420 Compact (12 x LED, Mono and Dynamic color version)			<b>Maintenance of lumen output - L50</b>
<b>Light source</b>	Non replaceable LED-module	<b>Operating temperature range</b>	-20 to +35°C	
<b>Power</b>	Micro versions: 1.5 W	<b>Driver</b>	Built-in for Mono color versions	
	Mini version (Mono color): 5 W		External (DMX-RDM driver) for Dynamic color versions	
	Mini version (Dynamic color): 4 W	<b>Mains voltage</b>	12 V DC for Mono color versions	
	Compact version (Mono color): 15 W		<b>Material</b>	Housing: chromed brass
Compact version (Dynamic color): 12 W	<b>Corrosion resistance</b>	Salt water resistant up to 35gr/L salinity		
<b>Beam angle</b>	Micro versions: 10, 20 and 35°	<b>Color</b>	Chrome	
	Mini and Compact versions: 10 and 40°		<b>Connection</b>	Flying leads
<b>Luminous flux</b>	Micro versions: +/- 60 lm	<b>Installation</b>		Screwed on surface
	Mini version: +/- 240 lm			
	Compact version: +/- 720 lm			
<b>Correlated Color Temperature</b>	2700, 4000 and 6000 K for the Mono color versions			
<b>Color Rendering Index</b>	2700 - 6000 K for tunable white			
	> 80 (2700 and 4000 K)			
	> 70 (6000 K)			

## Versions



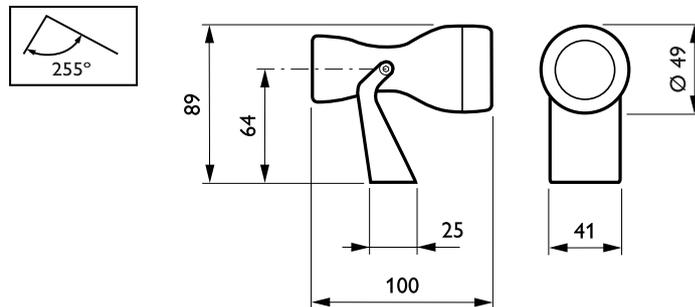
AmphiLux BVD400 surface-mounted  
Micro spotlight with narrow or medium  
beam angle



AmphiLux BVD410 surface-mounted  
Mini spotlight with narrow or medium  
beam angle

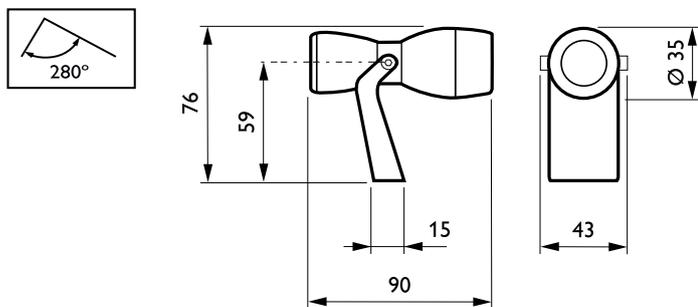
# AmphiLux, surface mounted

## Dimensional drawing



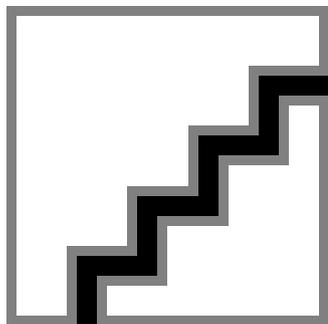
AmphiLux BBD/BVD400

AmphiLux BBD/BVD400



AmphiLux BBD/BVD400

## Product details



AmphiLux surface-mounted family  
(BVD400/410/420)

## AmphiLux, surface mounted

### Approval and Application

Mech. impact protection code	IK05
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### General Information

CE mark	CE mark
Optical cover/lens type	No
Driver included	No
Lamp family code	LED-HB
Light source replaceable	No
Lifetime to 50% luminous flux	200000
Lifetime to 70% luminous flux	147000
Lifetime to 90% luminous flux	43000

### Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1
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### Controls and Dimming

order code	Dimmable
89301099	No
89310299	No
89311999	No
89457499	No
89458199	No
89459899	No
89465999	Yes
89466699	Yes
89488899	No
89496399	Yes

### General Information

order code	Light source		Number of		Product
	color	Gear	light sources	Optic type	Family Code
89301099	Cool white	-	1	Narrow beam angle 10°	BVD400
89310299	Neutral white	-	1	Medium beam angle 35°	BVD400
89311999	Warm white	-	1	Medium beam angle 35°	BVD400
89457499	Warm white	-	4	Narrow beam angle 10°	BVD410
89458199	Warm white	-	4	Medium beam angle 40°	ILMISC

order code	Light source		Number of		Product
	color	Gear	light sources	Optic type	Family Code
89459899	Neutral white	-	4	Narrow beam angle 10°	BVD410
89465999	-	E	4	Narrow beam angle 15°	BVD410
89466699	-	E	4	Medium beam angle 30°	ILMISC
89488899	Warm white	-	12	Medium beam angle 40°	BVD420
89496399	-	E	12	Medium beam angle 30°	BVD420

### Initial Performance (IEC Compliant)

order code	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
89301099	6000	-	65
89310299	4000 K	80	60
89311999	2700 K	80	55
89457499	2700 K	80	220
89458199	2700 K	80	220

order code	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
89459899	4000 K	80	240
89465999	-	80	127
89466699	-	80	127
89488899	2700 K	80	660
89496399	-	80	534

