



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

Type	BVD400 Micro (1 x LED, Mono color version)
	BVD410 Mini (4 x LED, Mono and Dynamic color version)
	BVD420 Compact (12 x LED, Mono and Dynamic color version)
Light source	Non replaceable LED-module
Power	Micro versions: 1.5 W
	Mini version (Mono color): 5 W
	Mini version (Dynamic color): 4 W
	Compact version (Mono color): 15 W
	Compact version (Dynamic color): 12 W
Beam angle	Micro versions: 10, 20 and 35°
	Mini and Compact versions: 10 and 40°
Luminous flux	Micro versions: +/- 60 lm
	Mini version: +/- 240 lm
	Compact version: +/- 720 lm
Correlated Color Temperature	2700, 4000 and 6000 K for the Mono color versions
	2700 - 6000 K for tunable white
Color Rendering Index	> 80 (2700 and 4000 K)
	> 70 (6000 K)

Maintenance of lumen output - L90	43.000 hours at 35°C
Maintenance of lumen output - L70	147.000 hours at 35°C
Maintenance of lumen output - L50	> 200.000 hours at 35°C
Operating temperature range	-20 to +35°C
Driver	Built-in for Mono color versions
	External (DMX-RDM driver) for Dynamic color versions
Mains voltage	12 V DC for Mono color versions
Material	Housing: chromed brass
	Optical cover: hardened glass
Corrosion resistance	Salt water resistant up to 35gr/L salinity
	Chlorine resistant if water has a stable PH level between 6.8 and 8
Color	Chrome
Connection	Flying leads
Installation	Screwed on surface

Versions



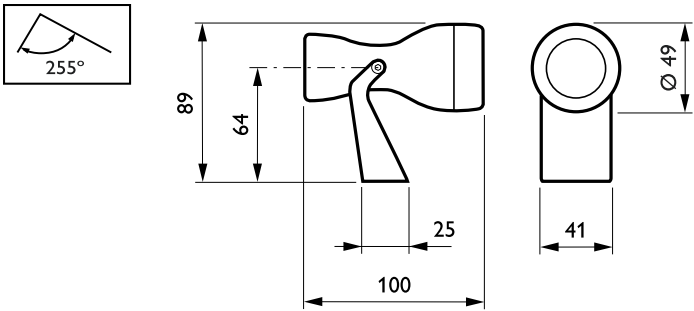
AmphiLux BVD400 surface-mounted
Micro spotlight with narrow or medium
beam angle



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

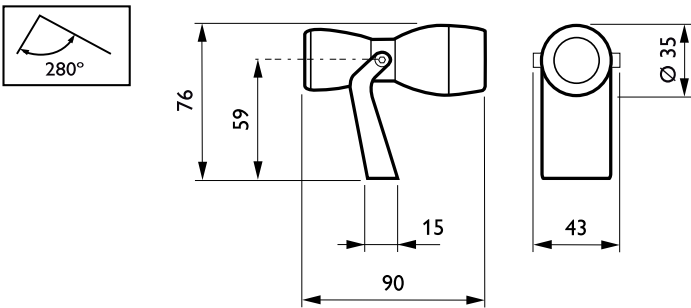
AmphiLux, surface mounted

Dimensional drawing



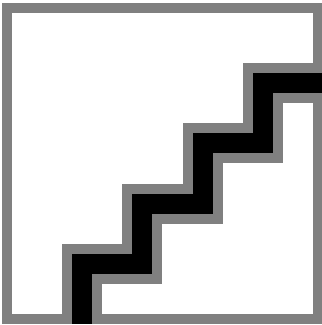
AmphiLux BBD/BVD400

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AmphiLux BBD/BVD400

Product details



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

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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 Family Code
	color	Gear	light sources	Optic type	
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 Family Code
	color	Gear	light sources	Optic type	
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

