

WIBRE

THE
LIGHTING
COLLECTION

EN

No. 1

WIBRE

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MADE IN
GERMANY

„With light, every place transforms
into a place where you love to linger.“

Lighting Collection No. 1

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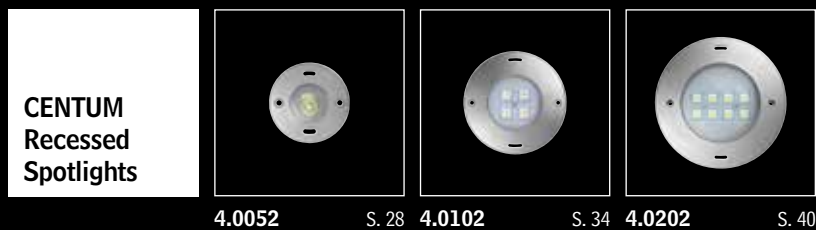
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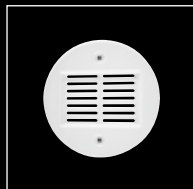
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© Private Villa, France
Photo: Tom Philippi, www.tomphilippi.com

IP68

EN 60529:2014-09
EN 60598-1.9.2.9
EN 60598-2-18.13

Protection class IP68

Far exceeds the standard

“International Protection” (IP) indicates the suitability of electrical equipment for use under various environmental conditions. Given that our specific challenges could not be greater, we leave nothing to chance. Without exception, all Wibre underwater spotlights fulfil the IP68 protection class and are permanently 100 percent waterproof. This guarantee reflects our credo, our mission, and our passion. In this respect, we have been, and continue to be, pioneers.

According to DIN EN 60529, the digit 6 after the abbreviation IP stands for dust-tightness and complete protection against contact. The second digit 8 stands for protection against continuous immersion. As such, our spotlights are absolutely waterproof.

In addition, the IP68 test procedures include tests in accordance with the EN 60598-1 and EN 60598-2-18 standards. These standards govern the general and specific requirements for luminaires; in particular luminaires for swimming pools or comparable applications. We aim to exceed the standard and, therefore, we go one step further. To ensure optimum protection, we significantly increase the test duration and the spotlight temperature during the certification process by applying a water pressure far exceeding the standard value.

EN 60529:2014-09 | IEC 60529

Protection class provided by enclosures (IP code)

EN 60598-1.9.2.9 | IEC 60598-1

Luminaires – Part 1: General requirements and tests

EN 60598-2-18.13 | IEC 60598-2-18

Luminaires – Part 2-18: Particular requirements –
Luminaires for swimming pools and similar applications



Protection class IP69

Withstands any pressure

The majority of our spotlights is now IP69 certified and, thus, protected against high pressure and high jet-water temperatures. In this way, we further increase the requirements on our luminaires, guaranteeing both extreme robustness and additional protection in particularly demanding environments.

During IP69 testing, water with a pressure of 100 bar and a temperature of 80 °C is projected against the enclosure of the luminaire from all directions (standard: EN 60529). The water is projected from a very small distance of only 10 centimetres, and the procedure lasts half a minute.

All IP69 certified luminaires from Wibre, to complement the IP68 protection class, can withstand the most adverse conditions, as they provide the highest level of resistance. Their durability is second to none.

EN 60529:2014-09 | IEC 60529

Protection class provided by enclosures (IP code)

The IP69 protection class only applies to the spotlight. The connected cable is not IP69 resistant. If too high a jet water jet comes too close or hits the cable, it may be damaged and then no longer tight.



Stainless Steel

The material our spotlights are made of

Our high-quality and carefully selected stainless steel is essential to ensure a long service life and to comprehensively protect the internals of the spotlight against all external influences, in the truest sense of the word. Plastic, aluminium or red brass housings have no place here. The material 1.4571 is a type of stainless steel stabilised with titanium. It is primarily used in shipbuilding and in the demanding medical industry. The addition of titanium creates exceptional corrosion resistance, enabling the long-term use of our spotlights in water. Urban and industrial waters, such as fresh and chlorinated water, provide the best environments for our spotlights.

Of course, the Wibre portfolio also includes spotlights for use in saltwater without concerns. Many of our luminaires are configured as special brine versions for precisely this purpose. They are made of the material 1.4539, a rustproof, super-austenitic nickel-chromium-molybdenum-copper steel resistant to numerous organic and inorganic acids. With its water resistance up to a salt concentration of approximately 3.5 percent, the high-alloy material guarantees the permanent use of our brine spotlights in most sea, brackish and thermal waters.

**V4A stainless steel 1.4571 | AISI 316Ti
SS 2350, UNS S31635 | AFNOR Z6CNDT17-12**

Use of the spotlights in urban and industrial water such as fresh and chlorinated water.

**V4A stainless steel 1.4539 | AISI 904L
SS 2562 | UNS N08904 | AFNOR Z2NCDU25-20**

Use of the spotlights in water with a maximum salt concentration of 3.5 percent.



WIBRE - GARANTIE - GUARANTEE

10 YEARS

against rust perforation of stainless steel housings*
gegen Durchrostung von Edelstahlgehäusen*

WIBRE - GARANTIE - GUARANTEE

5 YEARS

for CENTUM luminaires, seals, cables ...*
für CENTUM-Leuchten, Dichtungen, Kabel ...*

WIBRE - GARANTIE - GUARANTEE

3 YEARS

for power supplies, controller, transformers*
für Netzteile, Controller, Transformatoren*

Guarantee

Guaranteed durability

We never make empty promises. We rely on solid guarantees for consistently durable and functioning products. Because we truly understand the capabilities of our spotlights. Since 1950, they have exemplified our experience with underwater luminaires, incorporating our more than one hundred years of passion for quality products.

5 years - on all CENTUM spotlights

The CENTUM series captivates with high-grade materials together with sophisticated development and manufacturing processes. In addition, every CENTUM spotlight undergoes to a multi-stage quality control process. Enjoyment and satisfaction with the light are guaranteed.

- 5-year warranty for CENTUM LED recessed and surface-mounted spotlights both for underwater and outdoor use with protection classes IP67 and IP68.*
- 5-year warranty for seals, cables, cable glands, protective conduits.*

10 years - against rust perforation

Our high-quality and carefully selected stainless steel forms the foundation for a long service life. This material comprehensively protects the internal of the spotlight from all external influences in the truest sense of the word, because it is made to last.

- 10-year warranty against rust perforation for stainless steel built-in housings and stainless steel spotlight housings.*

3 years - on all other Wibre spotlights

In addition to the CENTUM series, we offer a range of spotlights for additional applications. This allows projects to be carried out entirely with luminaires from the Wibre portfolio. Top-quality guaranteed.

- 3-year warranty for LED recessed and surface-mounted spotlights both for underwater and outdoor use with protection classes IP67 and IP68, except for products belonging to the CENTUM series (see above).*
- 3-year warranty for spotlights fitted with conventional light sources (halogen, sodium vapour lamps, etc.) with protection classes IP67 and IP68.*

*According to our warranty conditions (www.wibre.de).



Tempered safety glass and mechanical strength

The safest cover

All Wibre spotlights are covered with tempered safety glass of particularly high quality that is manufactured in Germany to protect the optical elements. Recessed and surface-mounted luminaires for safe use in public spaces as well as spotlights installed in swimming pools benefit from its outstanding robustness. Due to the resistance strength of the glass, the spotlights withstand the destructive potential of wilful or accidental actions.

The material is a white glass that, unlike normal glass, has no greenish tinge. Thanks to its high transparency, the flat white glass - commonly referred to as Optiwhite - is highly translucent.

The protection against external mechanical stress is indicated by the IK code. The range in this case extends from IK00 (no protection) to IK11 (impact energy 50 joules), wherein the legal minimum requirement in swimming pools according to IEC 60598-2-18 is IK05 (0.7 joules). Wibre spotlights always exceed this standard, for the most part up to the

maximum, and can thus withstand far higher impact energies. The mechanical strength test is carried out in the laboratory with a free-fall hammer conforming to standards.

EN 62262:2002 + A1:2021

IEC 62262:2002 + A1:2021

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

EN 60068-2-75:2015-08 | IEC 60068-2-75:2014

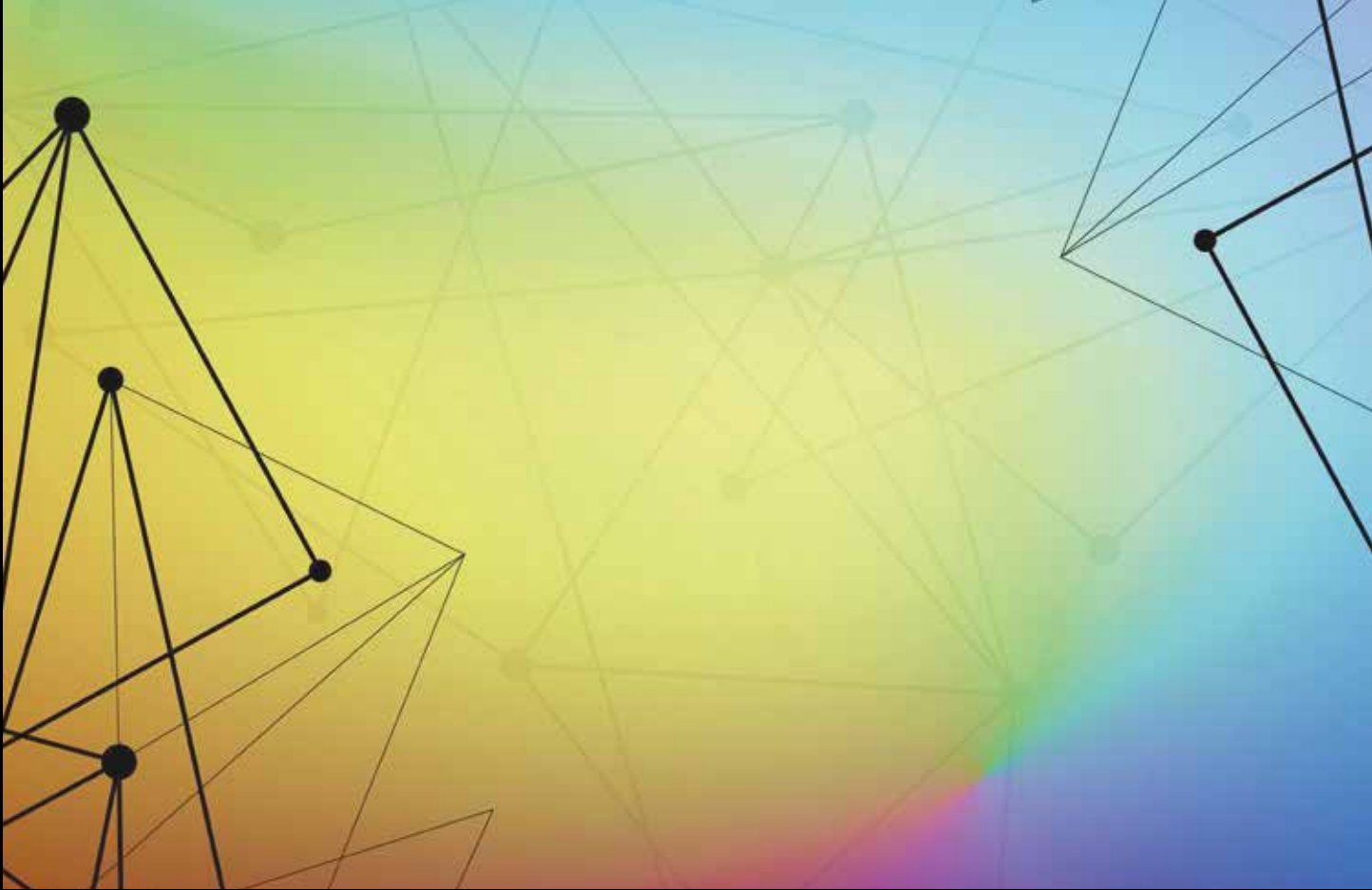
Environmental testing – Part 2-75: Tests - Test Eh:
Hammer tests

EN 60598-1.4.13.1 | IEC 60598-1.4.13.1

Luminaires - Part 1: General requirements and tests

EN 60598-2-18.6.1 | IEC 60598-2-18.6.1

Luminaires – Part 2-18: Particular requirements –
Luminaires for swimming pools and similar applications



Colour temperatures and beam angles

Choosing versatility

There are no limits for planners and users with Wibre's extensive product portfolio. For every lighting application in architecture or in swimming pools, Wibre not only provides the right spotlights, but also an abundance of beam angles and colour temperatures plus a huge variety of creative solutions, lighting concepts and scenes. The most frequently used beam angles range from spot to medium, wide and floodlighting, and are topped by special developments to make building facades, fountains, or swimming pools particularly attractive. In larger pools, wide and deep beam spotlights provide a particularly appealing illumination of the water surface. In addition, elliptical optics are available for almost all Wibre spotlights.

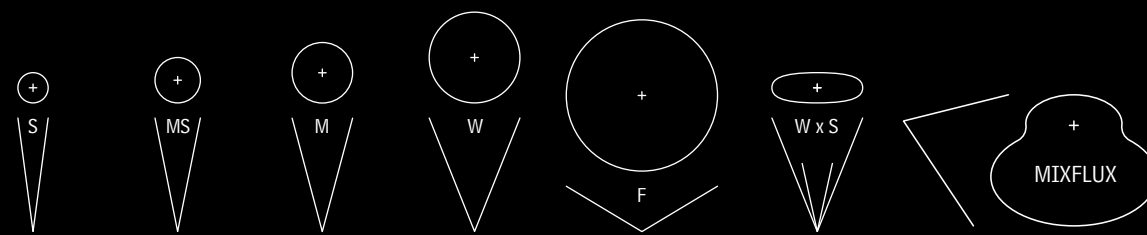
Cold, neutral, and warm white colour temperatures are available for all spotlights. RGBW versions in three colour temperatures are also available for a large part of the product range. The Dynamic White option allows flexible colour temperature settings from warm to cool white (3,000 to 6,000 K) to create fascinating effects in urban spaces or parks. Special spotlights are available for use in swimming areas and create a distinctive royal blue light: the ideal match between wavelength and water.

Colour temperatures



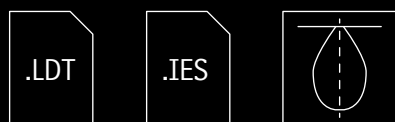
6000K cold white	4500K neutral white	3000K warm white	royal blue	RGB-6000K + cold white	RGB-4500K + neutral white	RGB-3000K + warm white	dynamic white 3000-6000K	2700K extra warm white
The first choice when maximum light intensity is required. Used on stainless steel surfaces and tiles in cold tones such as blue.	In neutral colouring and pleasant to the eye. Used for a variety of surfaces such as white tiles or exposed concrete.	Creating a warm and sophisticated atmosphere. Used for surfaces in natural and earth tones.	Bold blue tone optimally transferred by the water. Emphasises the element water. Ideal use for blue surfaces.	Dynamic lighting with unlimited possibilities. Providing for millions of colours as well as programmable colour changes. The additional white light colour intensifies the light and also serves as pure white monochrome illumination of the water. Ideal for use in fun pools, hotel pools, various trick fountains and colourful fountains.			Individual, inspiring adjustment of the white tones from cold to warm white. Use in areas of Human Centric Lighting (HCL).	Extremely warm, pleasant colour tone for a relaxed atmosphere of well-being. Used for surfaces in natural and earth tones.

Beam angles



Spot symmetrical	Medium-spot symmetrical	Medium symmetrical	Wide symmetrical	Flood symmetrical	Wide x Spot elliptical	Mixflux asymmetrical
Emitting a very narrow beam. Providing a bundled, selective lighting.	Emitting a narrow beam. Providing an accentuating effective lighting.	Emitting a compact beam. Providing an individual powerful illumination.	Emitting a wide beam. Providing a wide, extensive illumination.	Emitting a very wide beam. Providing a wide and large-area illumination.	Emitting horizontal beam and narrow vertical beam. Providing a wide, horizontal illumination.	Specially developed light spreading characteristics for swimming pools. Providing a wide, non-glare illumination down to the pool floor.

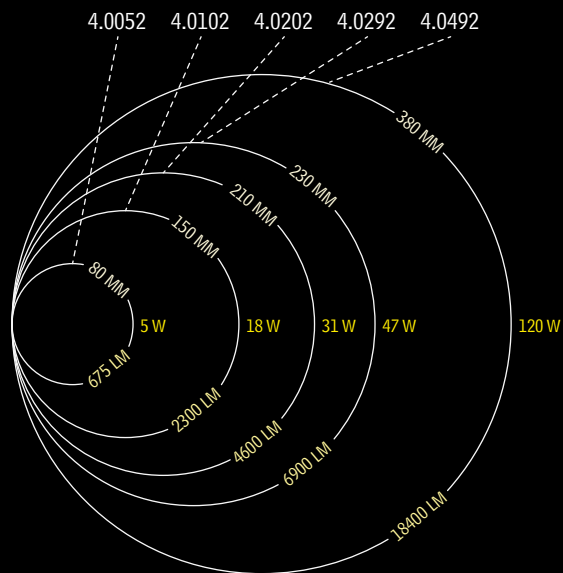
Photometric data



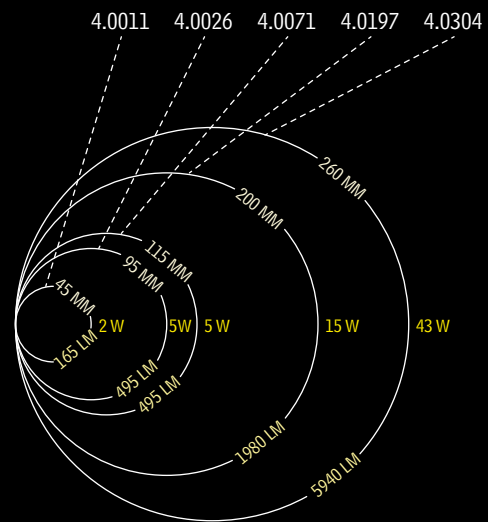
On our website (www.wibre.de), photometric data for light calculation and visualisation as well as graphical light curves are up-to-date available for all spotlights.

Spotlight comparison

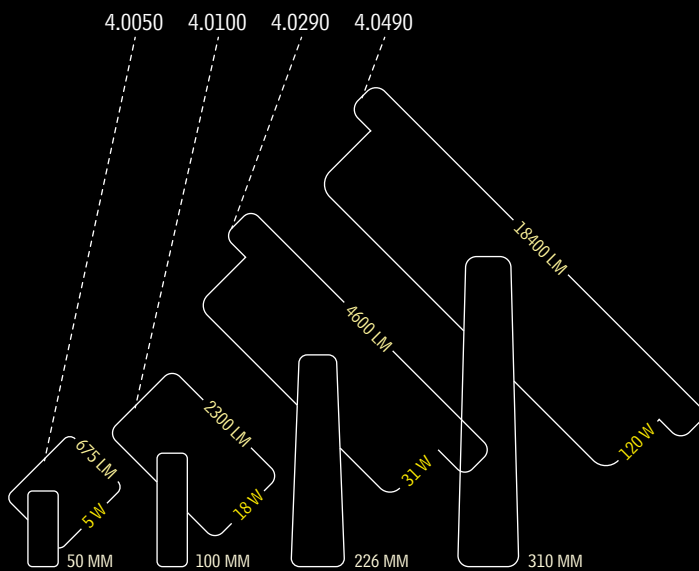
Recessed spotlights | Underwater



Recessed spotlights | Exterior



Surface-mounted spotlights



Pool lighting

Lights the place you long to be

Whether large or small, square, rectangular or free-form: underwater spotlights transform every pool into a place where you love to linger. Our spotlights enable countless scenarios to be created using white or coloured light.





© Lindenhof Lifestyle DolceVita Resort, Naturns, Italia
Partner: Winkler GmbH, www.winkler-schwimmbad.com

Lighting fountains

Light makes an attraction even more attractive

A fountain in a park or urban space creates a real attraction. Using spotlights enhances the fascinating play of water many times over. We offer the perfect lighting for any fountain, no matter how large or small, for internal or external illumination.





© Place Jean Jaurès, Tours, France
Photo: Caroline Gasch
Partner: MW MarvalWay

Urban lighting

Outstanding design and excellent feeling

Our professional spotlights enable squares and buildings to be designed and structured using only the medium of light. This serves to guide the viewer's gaze to the beautiful elements while artfully concealing the less attractive aspects. The light accompanies passers-by on their way and conveys a feeling of security. Wibre provides large and small spotlights for precisely these applications.





© Stavros Niarchos Foundation Cultural Center, Athen, Greece
Lighting Design: ARUP
Lighting Supplier: Foss SA
Installer: Joint Venture Salini Impregilo-TERNA
Design Architect: Renzo Piano Building Workshop
Photos: The Dark Room Photo Production Ltd

Lighting for near-water architecture

Aesthetic and functional

Professional lighting is essential in outdoor areas close to water and on coasts as it conveys a feeling of safety, enhances the constructed environment and adds a very special flair with charming reflections to the wet element. Whether accent lighting, spotlights for wide-area illumination of facades or orientation luminaires: the Wibre portfolio has it all.





© UNDER Restaurant, Lindesnes, Norway
Partner: Luminator AS, www.luminator.no
Photo: Tomas Majewski, www.tomaszmajewski.no



CENTUM Recessed Spotlights

For illumination of pools and
other water areas



© Bürgenstock Hotels & Resort Lake Lucerne, Obbürgen, www.buergenstock.ch
Lichtplaner: Licht Kunst Licht AG, Berlin/Bonn, www.lichtkunstlicht.com
Planer Außenpool: Kannewischer Ingenieurbüro AG, Cham-Zug, www.kannewischer.ch; Mauchle Pool AG, Sursee, www.mauchlepool.ch



Recessed Spotlight

4.0052

The miniature recessed spotlight has it all because, despite its small size, it achieves a light intensity of up to 675 lumen. This is why this smallest version of the Centum series is presentable everywhere. At pool entry zones, the spotlight offers orientation and safety; in the pool itself, it can seduce you to dream with great effect. In cool or warm white light or in a frenzy of colours. Precisely because it is so tiny, it is also suitable for small water basins or playgrounds.



1:1 SCALE



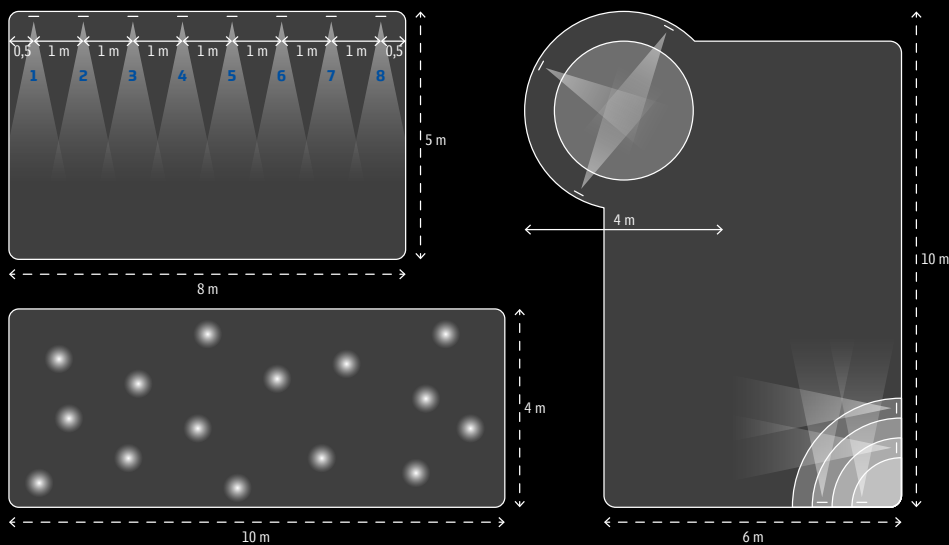
4.0052 | Recessed Spotlight

Up to 675 lumen – Perfect for accentuation

- Protection class IP68 – up to 5 m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Round attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Multichip POW-LED dynamic white
- Operating mode: constant current
- Rotationally symmetric light distribution
- ...
- Cable pressure sleeve, stainless steel 316Ti
- Constant-current power source/RGB-W-controller external
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 3m of underwater cable

Typical applications

Individual effect lighting symmetrically as wall installation (recommendation: for example one luminaire per 1 metre of pool length) or randomly placed as starry sky in the pool floor. Atmospheric stairs lighting and accentuation of pool sections are likewise possible.





© Park Hyatt Bangkok;
Client: Mosaic Eins;
Lighting design: Inverse Lighting Design



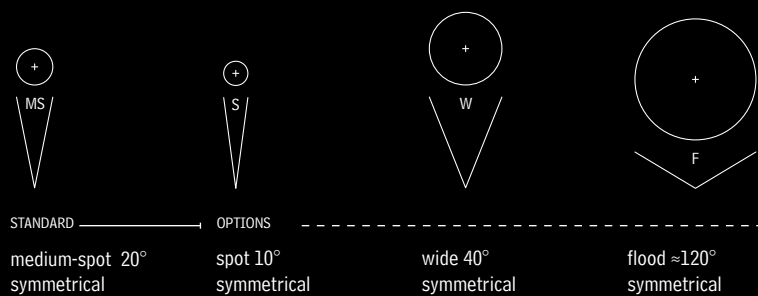
© THERMEN & BADEWELT SINSHEIM, Germany

4.0052 | Recessed Spotlight

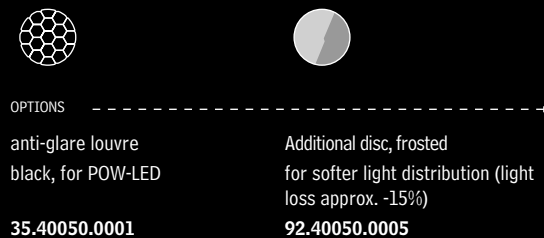
Colour temperatures



Beam angles



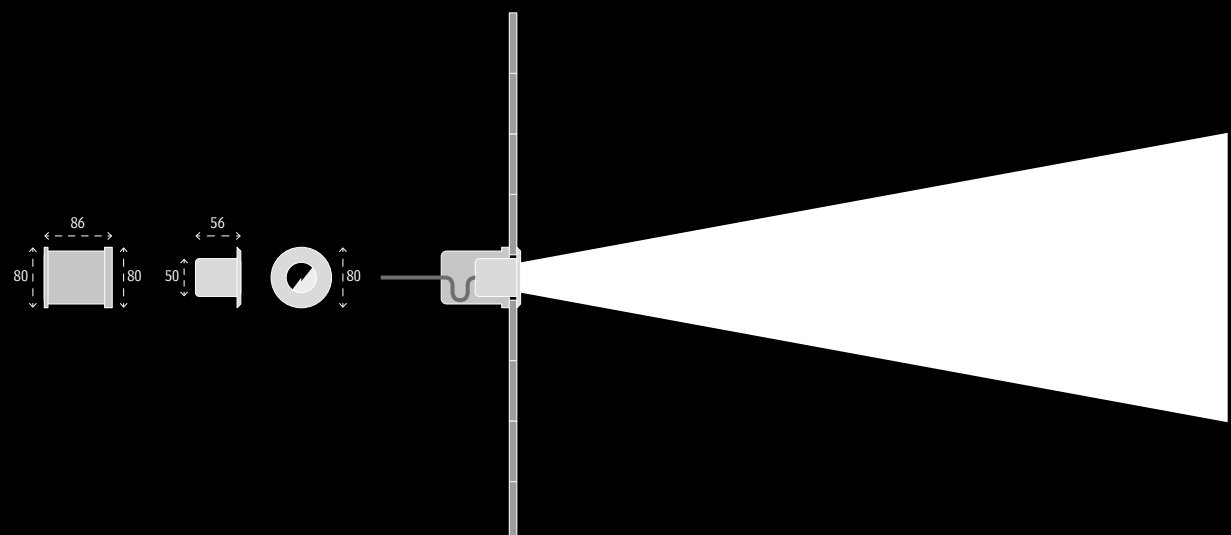
Additional parts



Notes

- SALINE version possible - Article number with an additional „S“ at the end
- Matching installation housing should be selected, depending on the installation type and situation.
- Elliptical beam angle 45x10° on request.

Dimensions





IP68 IP69	IK07	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K	RGB-W	DYNAMIC WHITE	DALI 1-10 V OPTIONAL DIMM	CONSTANT CURRENT KONSTANT STROM	CABLE INCL.	max 5m	↕	↕	CE	III
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Underwater environments only

Monochrome illumination

#	Color	Lumen
4.0052.20.11	6.000K cold white	675 lm
4.0052.20.12	3.000K warm white	540 lm
4.0052.20.13	4.500K neutral white	575 lm

Specifications	
LED	1 POW-LED
WATT	total 5 W
POWER	CC 350mA @12 V-DC
BEAM	20° medium-spot
CABLE	UW, 2x0,5 qmm

Control gear	Details
5.0635.65.20 max 2 (3*)	→ 210
5.0635.03.30 max 2 (4*)	
5.0635.03.31 max 2 (4*)	

Dynamic illumination

#	Color	Lumen
4.0052.20.41	RGB-CW cold white 6000K	cold white: 145 lm
4.0052.20.42	RGB-WW warm white 3000K	warm white: 125 lm
4.0052.20.43	RGB-NW neutral white 4500K	neutral white: 135 lm
4.0052.20.80	3000K-6000K dynamic white	250-290 lm

Specifications	
LED	1 Multichip POW-LED
WATT	all on 4 W
POWER	CC 350mA @12 V-DC
BEAM	20° medium-spot
CABLE	UW, 8x0,25 qmm

Control gear	Details
5.0635.19.52 max 6 (12*)	→ 216

Installation housings



Concrete pools with tile covering



Stainless steel pools



Facing concrete pools



Foil-lined pools (pressure flange)



Thin-walled pools (pressure flange)



Pools with adhesive/foil coating (adhesive flange)

4.0052.01.00	4.0052.05.00	4.0052.02.00	4.0052.03.00
made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for wall installation, for welding into stainless steel pools and for installation in concrete pools with tile covering (flange ø 80 mm)	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in the ground up to water depth 1,30 m, for welding into stainless steel pools and for installation in concrete pools with tile covering (Housing depth 110 mm, base plate ø 120 mm with fixing/alignment possibility, flange ø 80 mm)	made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for wall installation, for installation in thin-walled pools and foil-lined pools (pressure flange ø 84 mm)	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for wall installation, for installation in pools with adhesive/foil coating (adhesive flange ø 150 mm)

*Only for areas without people inside the water

Recessed Spotlight

4.0102

With a diameter of 150 mm, this very compact recessed spotlight offers professional quality for private pools and water attractions. With up to 2300 lumen, it is a real powerhouse and its stainless steel housing promises the durability required in professional swimming facilities. Four compact LEDs evenly illuminate small and medium-sized pools with white or coloured light. With its small dimensions, the spotlight integrates harmoniously not only into linear but even into organic basin shapes.



1:1 SCALE

4.0102 | Recessed Spotlight

Up to 2300 lumen – Ideal for organic-shaped pools and private pools

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Round and square attachment cover, made of stainless steel 316Ti, height 2 mm

...

- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Multichip POW-LED dynamic white
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Rotationally symmetric light distribution

...

- Constant-current power source/RGB-W-controller ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 3 m of special underwater cable



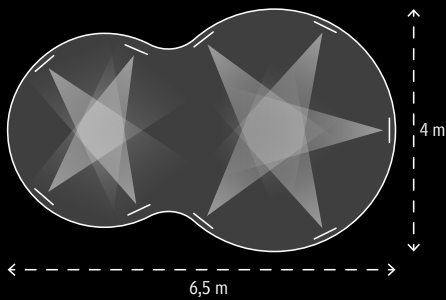
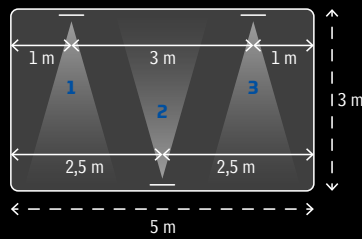
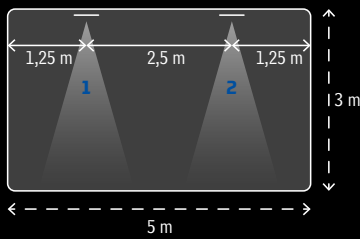
© Conrad Maldives Rangali Island
Lighting Design: Bo Steiber Lighting Design, Singapore
Photo: Sebastian Posingis, Adam Bruzzone



© Private Villa
Photo: Tom Philippi, www.tomphilippi.com

Typical applications

For pools up to 3 or 4 metres wide, choose a single-sided arrangement or offset positioning of the spotlights on both sides. This luminaire allows for individual design - one spotlight is recommended for every 2 metres of pool length. Organically shaped pools show the best effect with an even arrangement.

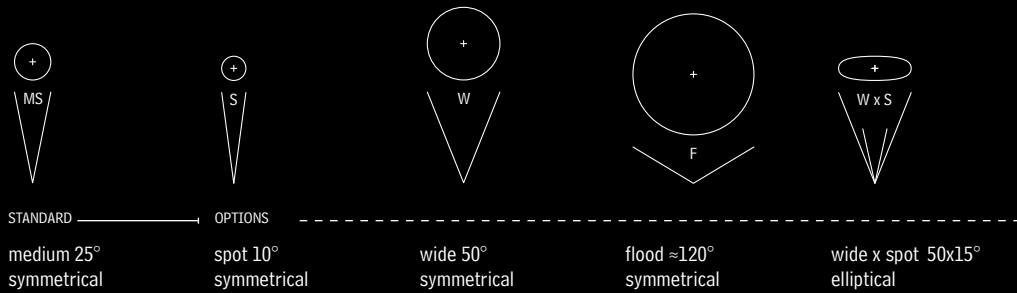


4.0102 | Recessed Spotlight

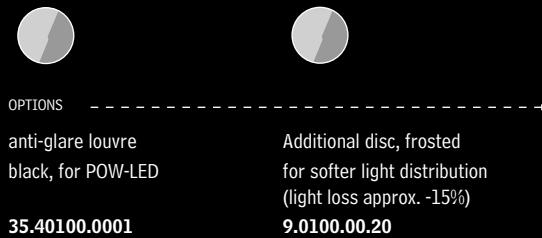
Colour temperatures



Beam angles



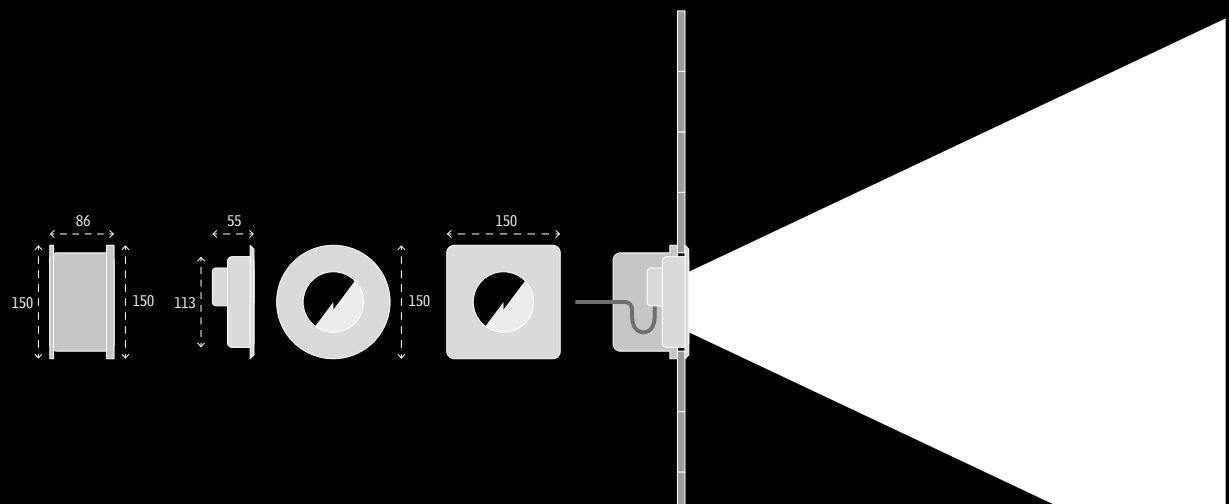
Additional parts



Notes

- SALINE version possible - Article number with an additional „S“ at the end
- Matching installation housing should be selected, depending on the installation type and situation.

Dimensions





IP68 IP69	IK09	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K	RGB-W	DYNAMIC WHITE	DALI 1-10 V OPTIONAL DIMM	CONSTANT CURRENT KONSTANT STROM	CABLE INCL.	max 5m		CE	
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Underwater environments only

Monochrome illumination

Cover	#	Color	Lumen
Round Cover	4.0102.20.11	6000K cold white	2300 lm
	4.0102.20.12	3000K warm white	1880 lm
	4.0102.20.13	4500K neutral white	2010 lm
	4.0102.20.16	royal blue (450 nm)	500mW/LED
Square Cover	4.0102.40.11	6000K cold white	2300 lm
	4.0102.40.12	3000K warm white	1880 lm
	4.0102.40.13	4500K neutral white	2010 lm
	4.0102.40.16	royal blue (450 nm)	500mW/LED

Specifications	
LED	4 POW-LED
Watt	total 18 W
POWER	CC 1200mA @12 V-DC
BEAM	25° medium
CABLE	UW, 2x1,5 qmm

Control gear	Details
5.0630.10.04 max 1	→ 210
5.0630.00.04 max 1 (without mounting housing)	

Dynamic illumination

Cover	#	Color	Lumen
Round Cover	4.0102.20.41	RGB-CW cold white 6000K	cold white: 580 lm
	4.0102.20.42	RGB-WW warm white 3000K	warm white: 500 lm
	4.0102.20.43	RGB-NW neutral white 4500K	neutral white: 540 lm
	4.0102.20.80	3000K-6000K dynamic white	1000-1160 lm
Square Cover	4.0102.40.41	RGB-CW cold white 6000K	cold white: 580 lm
	4.0102.40.42	RGB-WW warm white 3000K	warm white: 500 lm
	4.0102.40.43	RGB-NW neutral white 4500K	neutral white: 540 lm
	4.0102.40.80	3000K-6000K dynamic white	1000-1160 lm

Specifications	
LED	4 Multichip POW-LED
WATT	all on 17 W
POWER	CC 350mA @12 V-DC
BEAM	25° medium
CABLE	UW, 8x0,25 qmm

Control gear	Details
5.0635.19.52 max 2 (4*)	→ 216

Installation housings



Concrete pools with tile covering



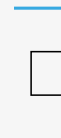
Stainless steel pools



Facing concrete pools



Foil-lined pools (pressure flange)



Thin-walled pools (pressure flange)



Pools with adhesive/foil coating (adhesive flange)

4.0102.01.00	4.0102.02.00	4.0102.02.40	4.0102.03.00
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for round and squared cover, made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools and for installation in concrete pools with tile covering

for round cover, made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 155 mm)

for squared cover, made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange 155 x 155 mm)

for round and squared cover, made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange ø 250 mm)

*Only for areas without people inside the water

Swimming pool Light

4.0202

The bright all-rounder for pool lighting stands out technically, but not in space. With its round top cover of only two millimetres in height, the application on the pool wall, with which it seems to merge, is hardly noticeable, both visually and physically. With various beam angles from spot to flood, it adapts to the most diverse requirements and enables complete illumination of the water surface.

1:1 SCALE



4.0202 | Swimming pool Light

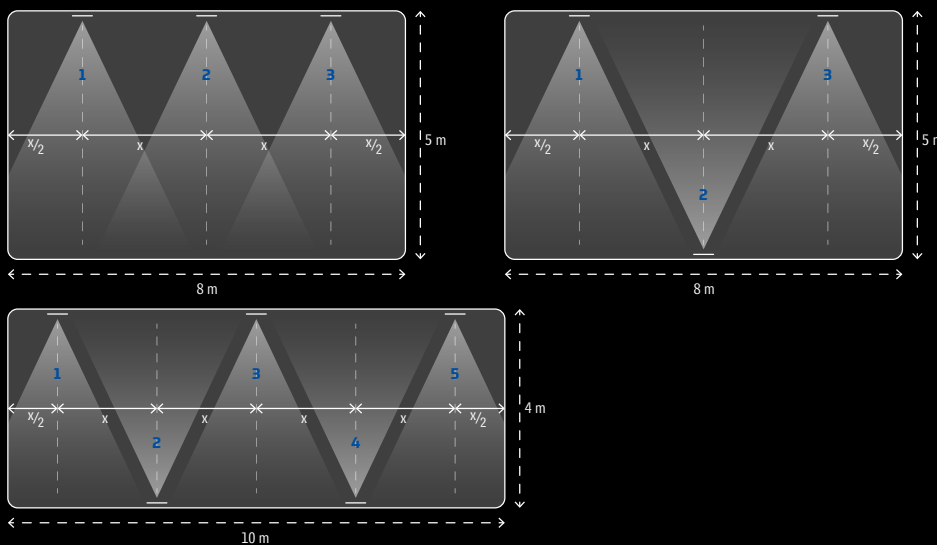
Up to 4600 lumen – Ideal for hotel and private pools

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, epolished
- Round attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Rotationally symmetric wide light distribution
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 5 m of special underwater cable



Typical applications

For pools in standard sizes up to 5 metres wide, choose a single-sided arrangement or offset positioning of the spotlights on both sides. The number of spotlights depends on the pool length - one spotlight per 2 to 3 metres is recommended.



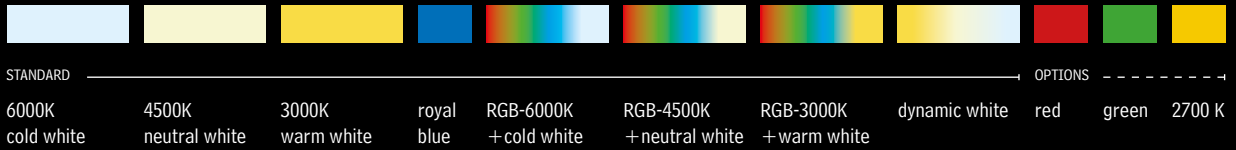


© Private Villa
Photo: Tom Philippi, www.tomphilippi.com, Stuttgart

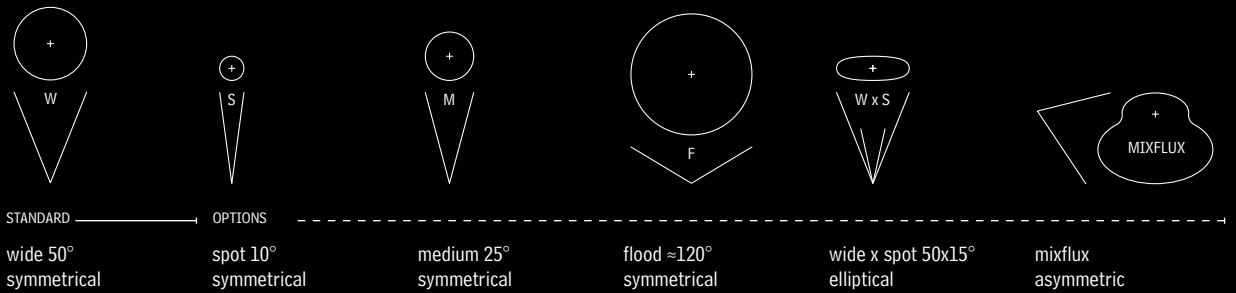


© Paradise City, CIMER SPA, Incheon, Korea
Lighting Designer: EON SLD
Lighting Supplier: SJL Corp.

Colour temperatures



Beam angles



Additional parts



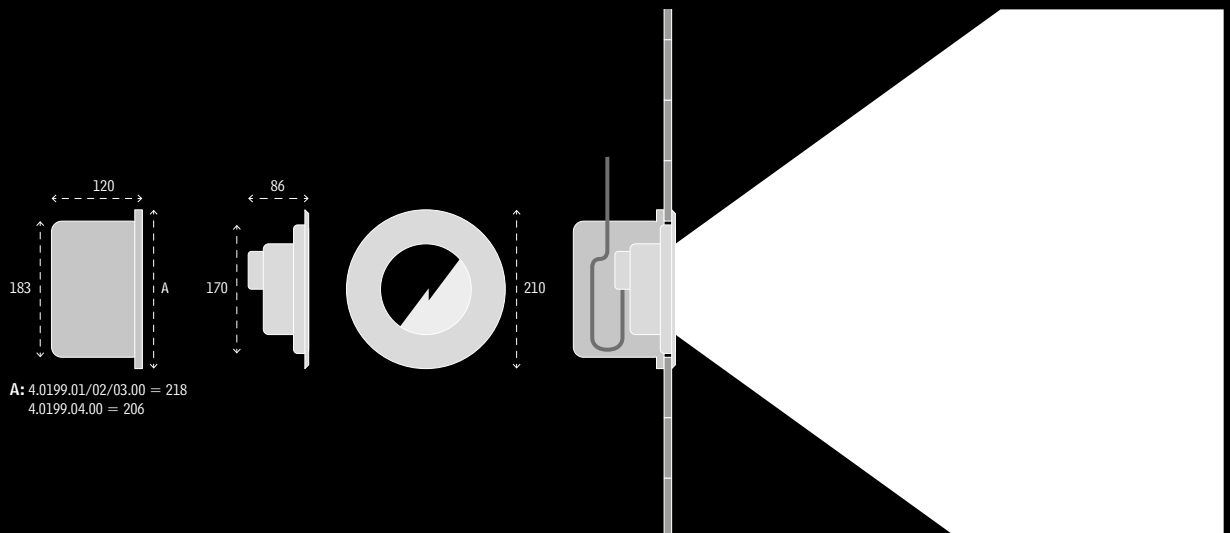
OPTIONS ----->

glass disc, frosted
for softer light distribution
(light loss approx. -15%)
50.40202.0002

Notes

- SALINE version possible - Article number with an additional „S“ at the end
- Matching installation housing should be selected, depending on the installation type and situation.
- For facing concrete, please use housing 4.0199.04.00

Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K BLUE	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 5m			CE	III		
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Underwater environments only

Monochrome illumination

#	Color	Lumen	Watt	Specifications	Control gear	Details
4.0202.00.11	6.000K cold white	4600 lm	total 31 W	LED 8 POW-LED	5.0630.10.08 max 1	→ 210
4.0202.00.12	3.000K warm white	3760 lm		POWER CC 2400mA @12 V-DC	5.0630.11.08 max 1	
4.0202.00.13	4.500K neutral white	4024 lm		BEAM 50° symmetrisch		
4.0202.00.16	royal blue (450 nm)	500mW/LED	total 33 W	CABLE UW, 2x2,5 qmm		

Dynamic illumination

#	Color	Lumen	Specifications	Control gear	Details
4.0202.00.41	RGB-CW cold white 6000K	cold white: 1160 lm	LED 8 Multichip POW-LED	5.0670.19.52 max 1	→ 216
4.0202.00.42	RGB-WW warm white 3000K	warm white: 1080 lm	WATT all on 50 W		
4.0202.00.43	RGB-NW neutral white 4500K	neutral white: 1080 lm	POWER CC 700mA @12 V-DC		
4.0202.00.80	3000K-6000K dynamic white	2000-2320 lm	BEAM 50° symmetrisch		
			CABLE UW, 10x0,5 qmm		

Installation housings



Concrete pools with tile covering



Stainless steel pools



Facing concrete pools



Foil-lined pools (pressure flange)



Thin-walled pools (pressure flange)



Pools with adhesive/foil coating (adhesive flange)

4.0199.01.00	4.0199.04.00	4.0199.02.00	4.0199.03.00
made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in concrete pools with tile covering	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for facing concrete and for welding into stainless steel pools	made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 218 mm)	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange ø 360 mm)

Swimming pool Light

4.0292

The bestseller has written history because for generations it has been adding value to pool installations up to 12 metres wide in public pools and hotels all over the world with white or royal blue light. The performance and quality of the recessed spotlight are unsurpassed to this day and, by avoiding light pollution, it makes a valuable contribution to environmental protection thanks to its unique light spreading characteristics. The innovative technology directs the light solely to the width and depth towards the pool floor. As a result, hardly light beam enters the atmosphere and, at the same time, glare is avoided.

1:1 SCALE



Only to use under water

WIBRE
Made in Germany

4.0292 | Swimming pool Light

Up to 6900 lumen – Ideal for hotel pools and public pools

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, epolished
- Round attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 5 m of special underwater cable



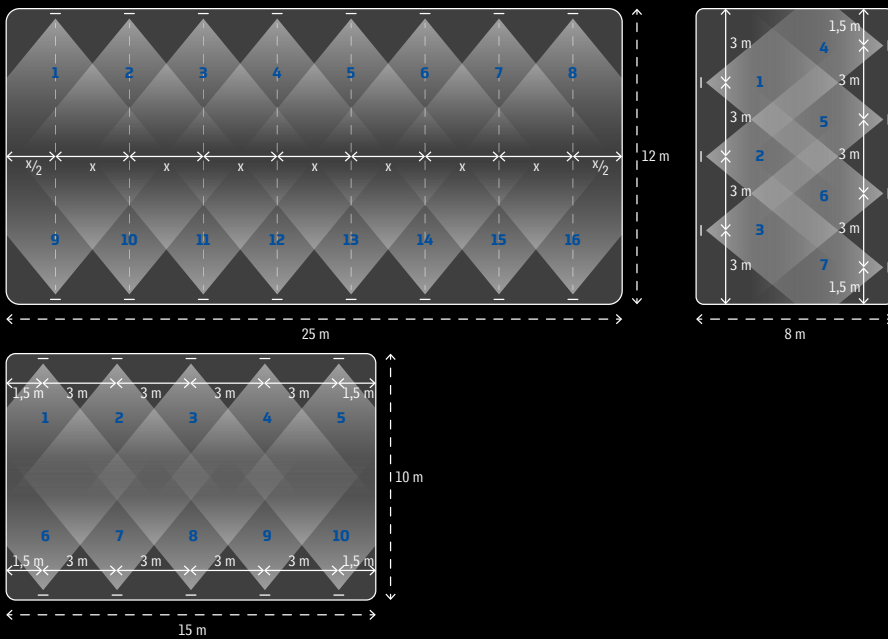
© Schloss Elmau, Germany
Partner: Kapfer GmbH, Wertingen



© Hotel Tenis, Zvolen, Slovak Republic, www.hoteltenis.sk
 Partner: BERNDORF BÄDERBAU s.r.o, www.berndorf-bazen.cz

Typical applications

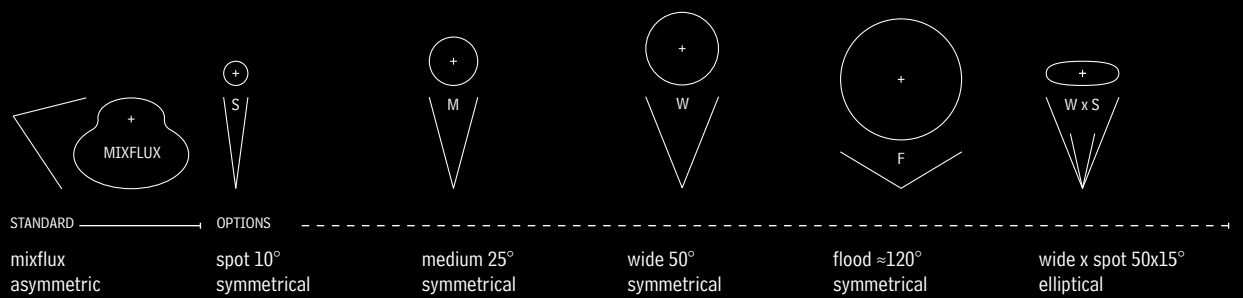
Starting from a pool width of 8 metres, choose an opposite arrangement of the spotlights, with a distance of approximately 3 metres between each. This determines the number of spotlights per pool length. The positioning can be parallel or offset. For narrower pools, a one-sided arrangement is practical.



Colour temperatures



Beam angles



Additional parts



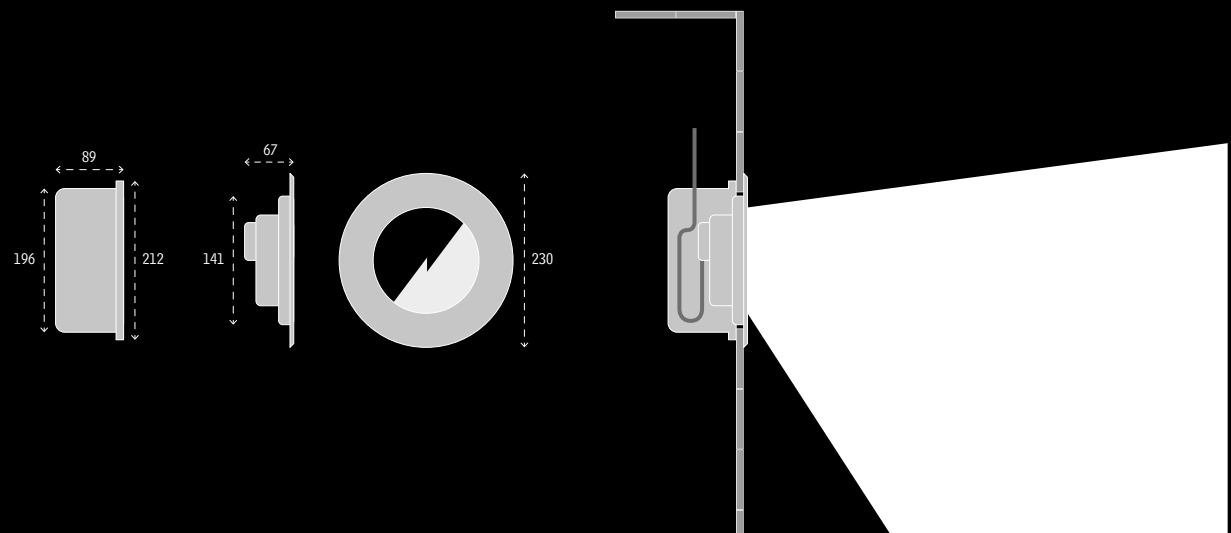
OPTIONS -----

glass disc, frosted
for softer light distribution
(light loss approx. -15%)
50.40292.0004

Notes

- Individual configuration of the LED multichips possible
- Spotlights can (according to prior agreement) also be supplied without the connected cable to simplify installation with large cable lengths (up to max. 40m). The cable can be connected to the connection box without opening the spotlight.
- Matching installation housing should be selected, depending on the installation type and situation.
- Version for saline water see page 52

Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K BLUE	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 5m			CE	III		
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Underwater environments only

Monochrome illumination

#	Color	Lumen	LED	Watt
4.0292.00.11	6000K cold white	6900 lm	12 POW-LED	total 47 W
4.0292.00.12	3000K warm white	5640 lm		
4.0292.00.13	4500K neutral white	6036 lm		
4.0292.00.16	royal blue (450 nm)	500mW/LED	48 POW-LED	total 49,5 W

Specifications	
POWER	CC 3600mA @12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 2x2,5 qmm

Control gear	Details
5.0630.01.12 max 1	→ 210
5.0630.10.12 max 1	
5.0630.11.12 max 1	
5.0630.03.12 max 3	

Dynamic illumination

#	Color	Lumen
4.0292.00.41	RGB-CW cold white 6000K	cold white: 2100 lm
4.0292.00.42	RGB-WW warm white 3000K	warm white: 1800 lm
4.0292.00.43	RGB-NW neutral white 4500K	neutral white: 1920 lm

Specifications	
LED	12 Multichip POW-LED
WATT	all on 75 W
POWER	CC 1400mA @12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm

Control gear	Details
5.0630.09.52 max 1	→ 216

Installation housings



Concrete pools
with tile covering



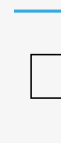
Stainless steel pools



Facing concrete pools



Foil-lined pools
(pressure flange)



Thin-walled pools
(pressure flange)



Pools with adhesive/
foil coating
(adhesive flange)

4.0292.01.00	4.0292.02.00	4.0292.03.00
made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools and for installation in concrete pools with tile covering	made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 244 mm)	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange ø 350 mm)

Swimming pool Light

4.0292.73

The brine version is a further development of the bestseller 4.0292 especially for use in salty water. In addition to its excellent properties, which include a unique pool-specific light distribution, it has other quality features. With its body made of high-alloy stainless steel (1.4539 904L), the spotlight is resistant to salt concentrations of up to 3.5 percent as well as organic and inorganic acids. High resistance to pitting corrosion and good skin compatibility are further advantages.

1:1 SCALE



Only to use under water

WIBRE
Made in Germany

4.0292.73 | Swimming pool Light

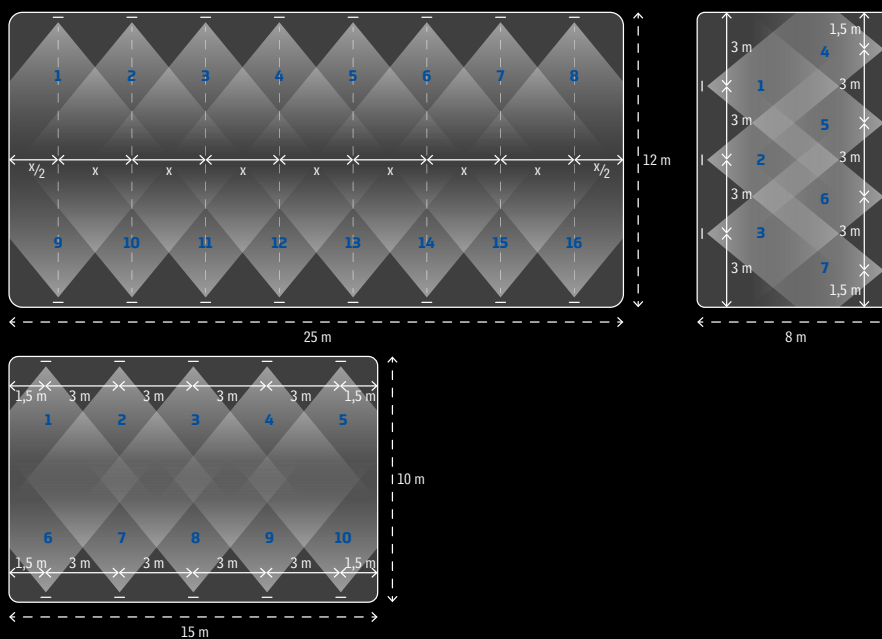
Up to 6900 lumen – For baths with increased brine concentration

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- special corrosion-proof version made marine grade 904L stainless steel 1.4539
- for pools with increased saltwater concentration (up to 3.5 %)
- Round attachment cover, made of stainless steel 904L, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- operating mode: constant current
- temperature controlled (onboard)
- surge protection
- light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Installation housing made of stainless steel 904L with 1.5 m cable protection tube
- Supplied with 5 m of special underwater cable



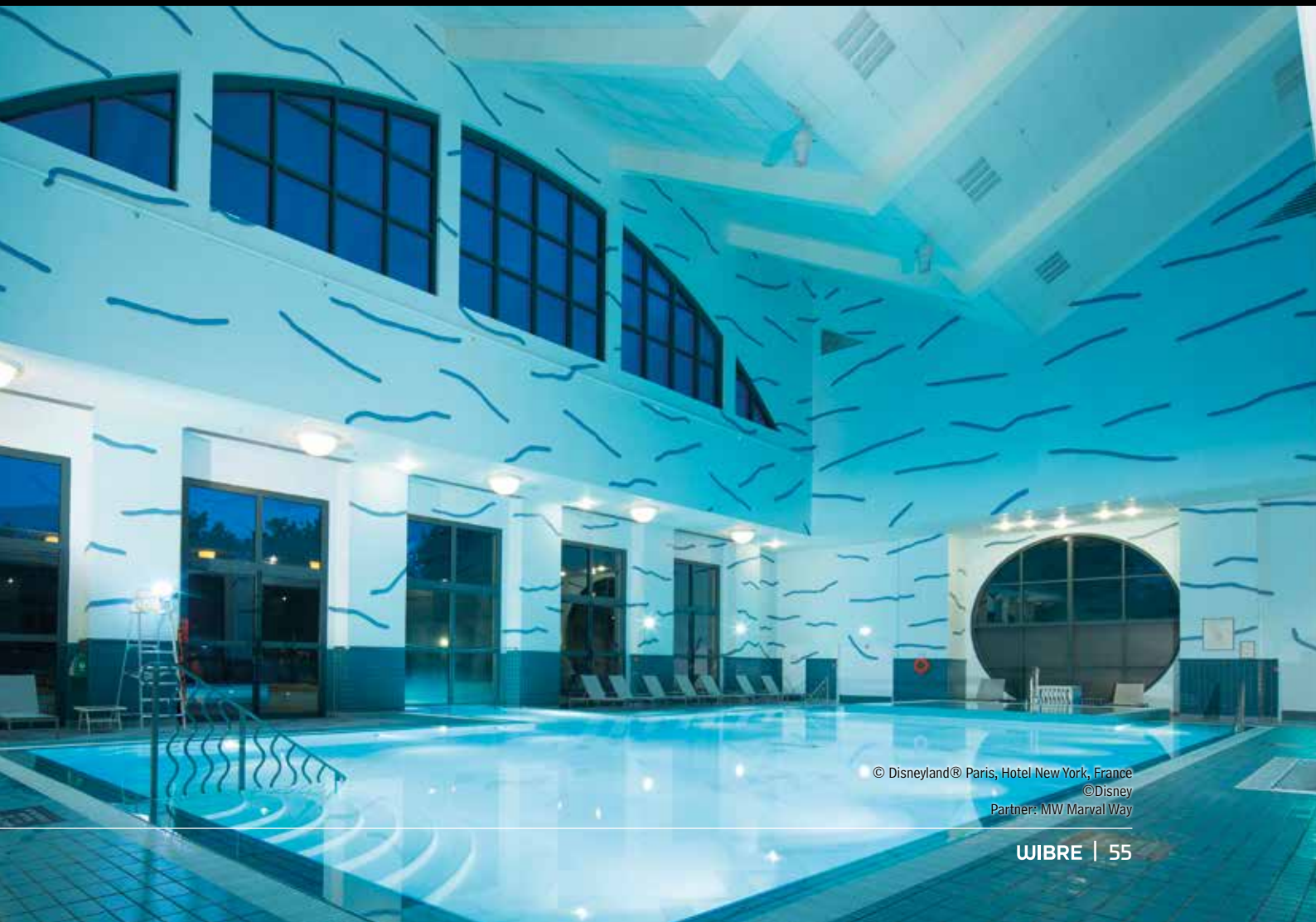
Typical applications

Starting from a pool width of 8 metres, choose an opposite arrangement of the spotlights, with a distance of approximately 3 metres between each. This determines the number of spotlights per pool length. The positioning can be parallel or offset. For narrower pools, a one-sided arrangement is practical.





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Partner: Winkler GmbH, www.winkler-schwimmbad.com

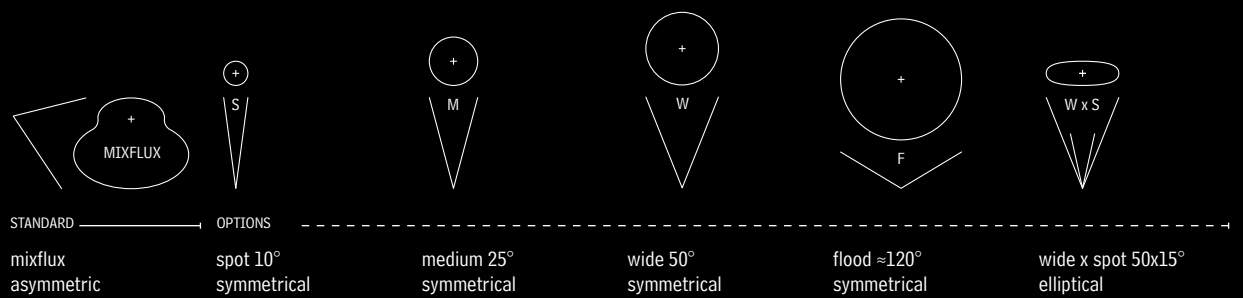


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© Disney
Partner: MW Marval Way

Colour temperatures



Beam angles



Additional parts



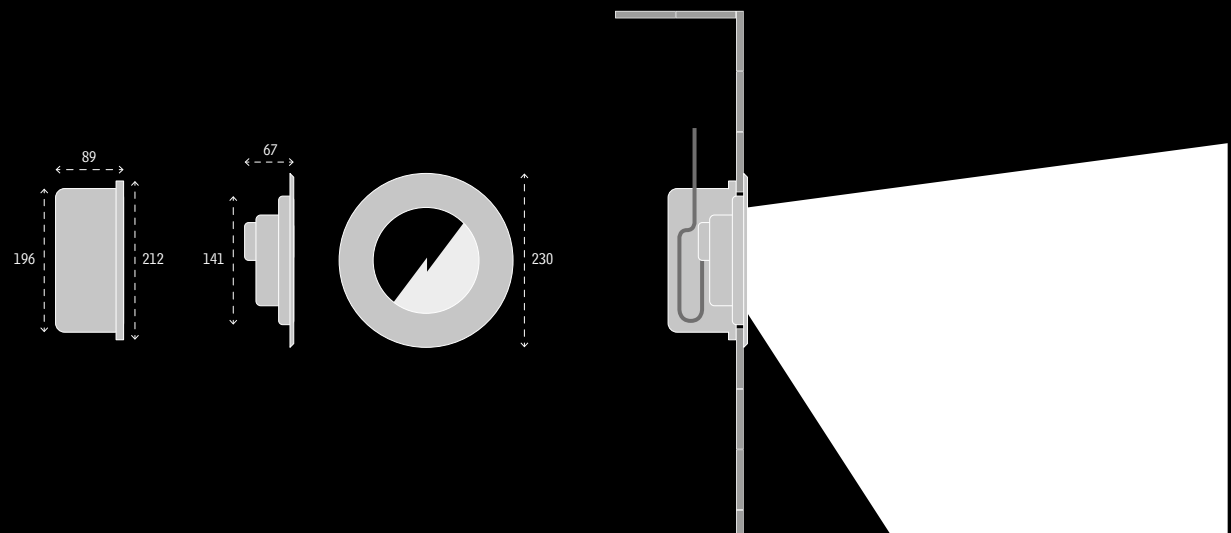
OPTIONS -----

glass disc, frosted
for softer light distribution
(light loss approx. -15%)
50.40292.0004

Notes

- Individual configuration of the LED multichips possible
- Spotlights can (according to prior agreement) also be supplied without the connected cable to simplify installation with large cable lengths (up to max. 40m). The cable can be connected to the connection box without opening the spotlight.
- Matching installation housing should be selected, depending on the installation type and situation.

Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4539 904L	3.000 K 4.500 K 6.000 K BLUE	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 5m			CE	III		
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Underwater environments only

Monochrome illumination

#	Color	Lumen	LED	Watt	Specifications	Control gear	Details	
4.0292.73.11	6000K cold white	6900 lm	12 POW-LED	total 47 W	POWER	CC 3600mA @12 V-DC	5.0630.01.12 max 1	
4.0292.73.12	3000K warm white	5640 lm			BEAM	asymmetric Mixflux	5.0630.10.12 max 1	→ 210
4.0292.73.13	4500K neutral white	6036 lm			CABLE	UW, 2x2,5 qmm	5.0630.11.12 max 1	
4.0292.73.16	royal blue (450 nm)	500mW/LED	48 POW-LED	total 49,5 W		5.0630.03.12 max 3		

Dynamic illumination

#	Color	Lumen	Specifications	Control gear	Details
4.0292.73.41	RGB-CW cold white 6000K	cold white: 2100 lm	LED	12 Multichip POW-LED	5.0630.09.52 max 1
4.0292.73.42	RGB-WW warm white 3000K	warm white: 1800 lm	WATT	all on 75 W	→ 216
4.0292.73.43	RGB-NW neutral white 4500K	neutral white: 1920 lm	POWER	CC 1400mA @12 V-DC	
			BEAM	asymmetric Mixflux	
			CABLE	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm	

Installation housings

Concrete pools with tile covering	Stainless steel pools	Facing concrete pools	Foil-lined pools (pressure flange)	Thin-walled pools (pressure flange)	Pools with adhesive/foil coating (adhesive flange)

4.0292.01.73	4.0292.02.73	4.0292.03.73
saline version, for round and squared cover, made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools and for installation in concrete pools with tile covering	saline version, made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 234 mm)	saline version, made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange ø 350 mm)

Swimming pool Light

4.0492

Thanks to enormously simplified installation and innovative operation options from the waterside, the largest recessed spotlight available for swimming pools now facilitates professional lighting of competition pools. With a powerful output of approximately 19,000 lumens and no glare, its light ensures the safety of athletes. Thanks to the unique environmentally friendly light spreading characteristics, no light is directed upwards, but always to the width and depth towards the pool floor. Compared to the predecessor model, the spotlight requires more than 70 percent less installation space.

1:1 SCALE



WIBRE
Made in Germany

4.0492 | Swimming pool Light

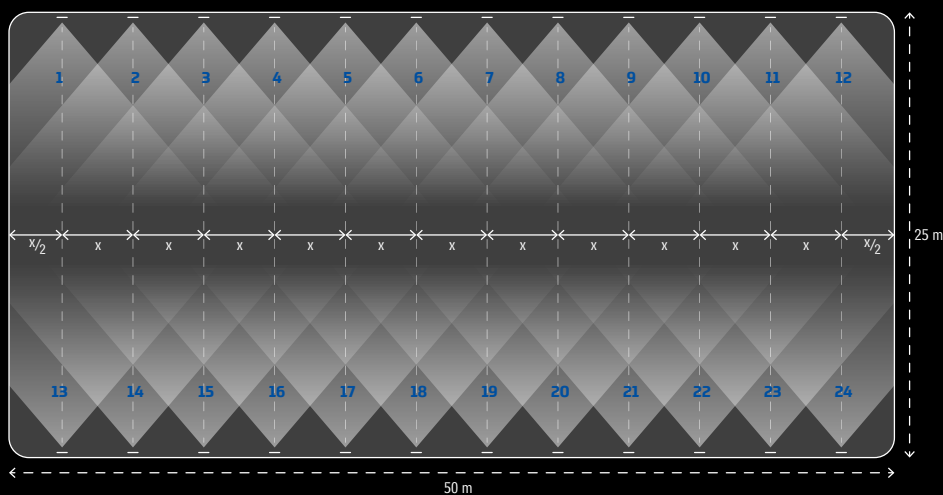
Up to 18600 lumen – Ideal for competition and sport pools

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, epolished
- Round attachment cover, made of stainless steel 316Ti, height 3 mm
- ...
- POW-LED cold white, warm white, neutral white
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Constant-current power source ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 5 m of special underwater cable



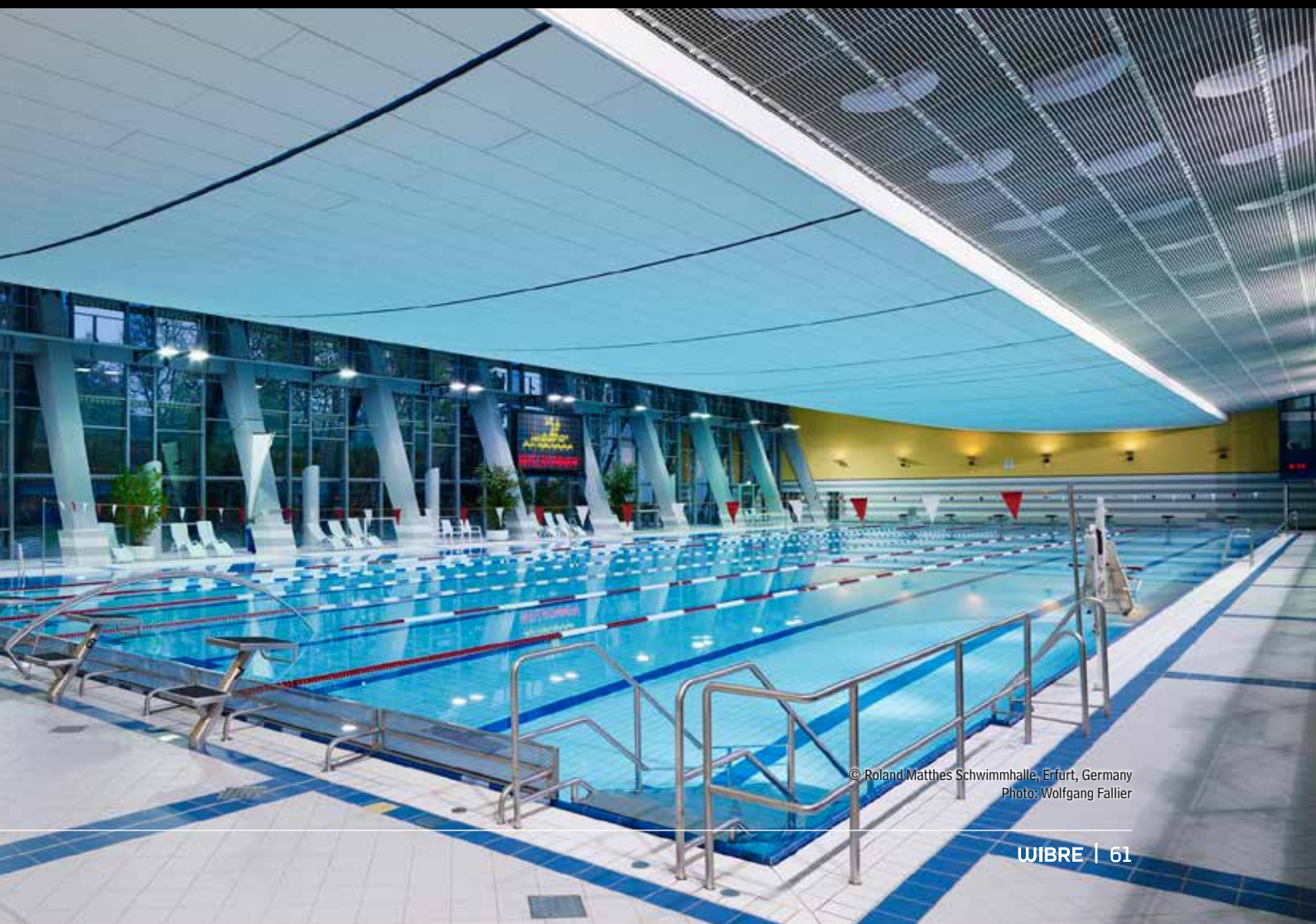
Typical applications

With a distance of about 4 metres each, you choose an opposite parallel arrangement to illuminate competition pools optimally - 12 spotlights per pool length are recommended here. For sports pools with a size of 25 x 12 metres, 5 to 6 spotlights per side are intended. The positioning can also be done in a diagonally offset way.





© Campus Sursee, Oberkirch, Switzerland
Photo: Samuel Trümpy



© Roland Matthes Schwimmhalle, Erfurt, Germany
Photo: Wolfgang Fallier

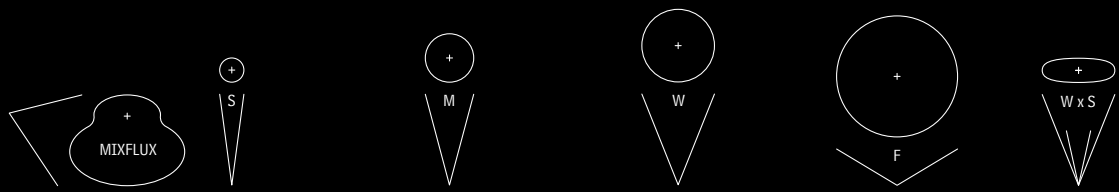
Colour temperatures



STANDARD

6000K cold white	4500K neutral white	3000K warm white	RGB-6000K + cold white	RGB-4500K + neutral white	RGB-3000K + warm white
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Beam angles



STANDARD

mixflux asymmetric	spot 10° symmetrical	medium 25° symmetrical	wide 50° symmetrical	flood ~120° symmetrical	wide x spot 50x15° elliptical
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Additional parts



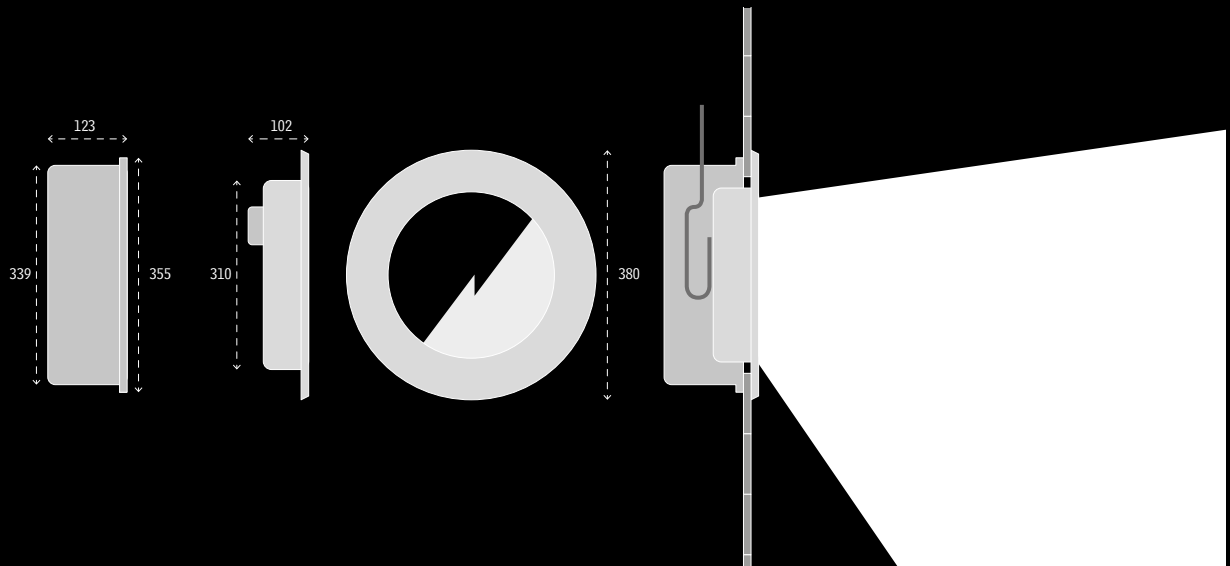
OPTIONS

Additional disc, frosted
for softer light distribution
(light loss approx. -15%)
for spotlight 4.0490 and 4.0492
9.0490.00.20

Notes

- Matching installation housing should be selected, depending on the installation type and situation.
- Saline version possible on request for specific projects
- Dimmable power supply units on request

Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 25m	←	⏏	CE	III		
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Underwater environments only

Monochrome illumination

#	Color	Lumen
4.0492.00.11	6000K cold white	18600 lm
4.0492.00.12	3000K warm white	15040 lm
4.0492.00.13	4500K neutral white	16080 lm

Specifications	
LED	32 POW-LED
WATT	total 120 W
POWER	CV 12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 2x4,0 qmm

Control gear	Details
5.0630.10.32 max 1	→ 210

Dynamic illumination

#	Color	Lumen
4.0492.00.41	RGB-CW cold white 6000K	cold white: 4640 lm
4.0492.00.42	RGB-WW warm white 3000K	warm white: 4020 lm
4.0492.00.43	RGB-NW neutral white 4500K	neutral white: 4320 lm

Specifications	
LED	32 Multichip POW-LED
WATT	all on 150 W
POWER	CC max 24 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 10x1,0 qmm

Control gear	Details
5.0670.49.52 max 1	→ 216

Installation housings



Concrete pools
with tile covering



Stainless steel pools



Facing concrete pools



Foil-lined pools
(pressure flange)



Thin-walled pools
(pressure flange)



Pools with adhesive/
foil coating
(adhesive flange)

4.0492.01.00

made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools and for installation in concrete pools with tile covering

4.0492.02.00

made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 385 mm)

4.0492.03.00

made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange ø 450 mm)



CENTUM Retrofit Spotlights

As a sustainable replacement for
older spotlights in existing basins



© Hotel Waldsägmühle, Pfalzgrafenweiler-Kälberbronn, Germany
Photo: Tom Philippi, www.tomphilippi.com



Retrofit Spotlight

4.0291

The retrofit spotlight makes every pool more attractive. Unlike halogen, it can conjure up magnificent colours on the surface of the water. Its economic efficiency is also advantageous. The luminous efficacy is many times higher than with halogen and result in electricity savings of more than 70 percent. The spotlight replaces all predecessor models and even third-party makes without difficulty.



1:1 SCALE



Only to use under water

WIBRE
Made in Germany

4.0291 | Retrofit Spotlight

Up to 6900 lumen – Sustainable replacement for halogen spotlights

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Round attachment cover, made of stainless steel 316Ti, height 13 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Supplied without cable



© Private Villa, France
Photo: Tom Philippi, www.tomphilippi.com



© Private Villa, France
Photo: Tom Philippi, www.tomphilippi.com

Typical applications

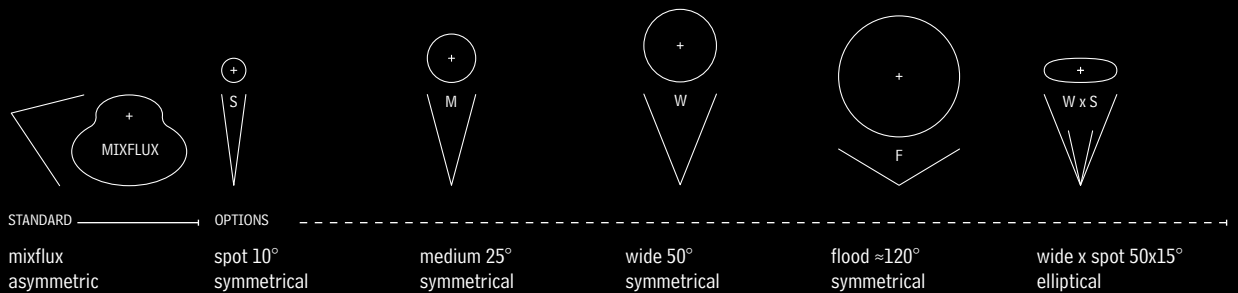
This retrofit spotlight is intended as a replacement for existing spotlights with halogen technology, primarily types 4.0267 and 4.0271 and various other makes. This spotlight has everything for a hassle-free change. Better lighting power, considerably less consumption, long service life and safety - operation in accordance with standards VDE0100-702 resp. IEC 60598-2-18 in water accessible to persons.

4.0291 | Retrofit Spotlight

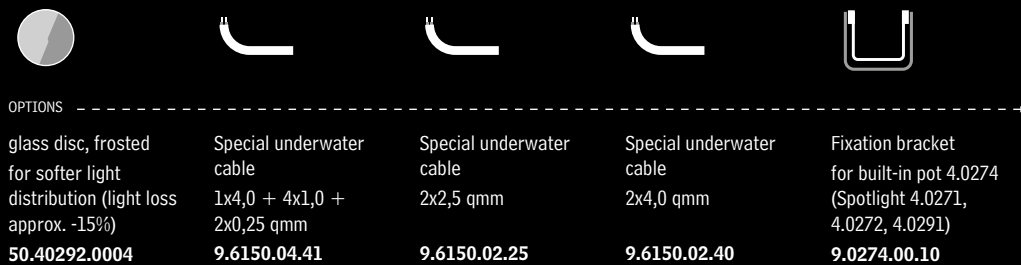
Colour temperatures



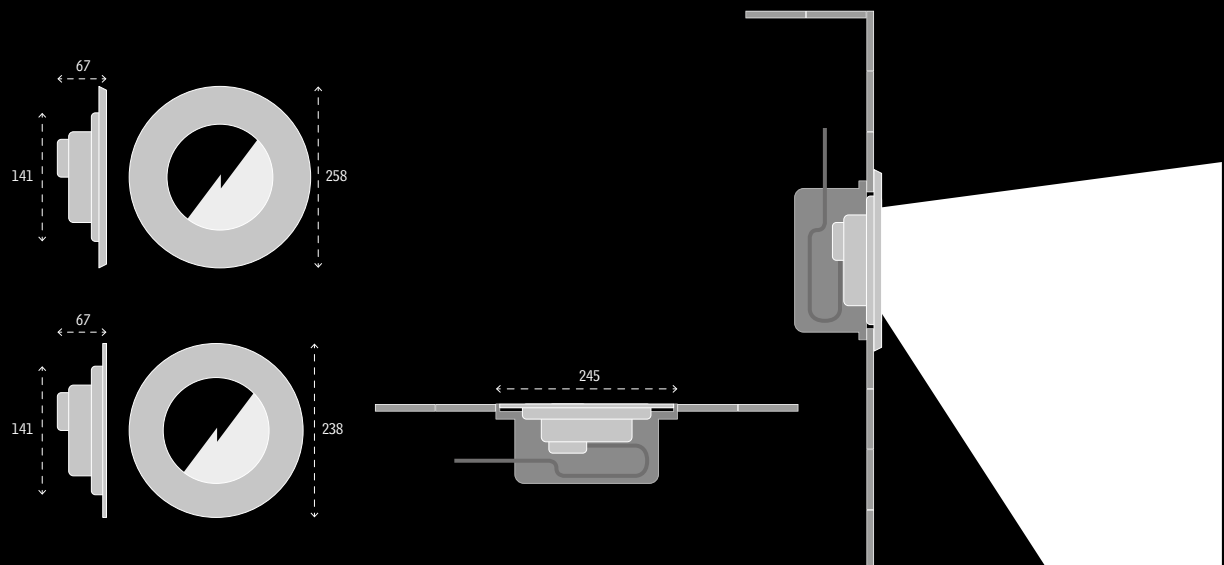
Beam angles



Additional parts



Dimensions





Underwater environments only

Monochrome illumination

Cover	#	Color	Lumen
Standard	4.0291.00.11	6000K cold white	6900 lm
	4.0291.00.12	3000K warm white	5640 lm
	4.0291.00.13	4500K neutral white	6036 lm
	4.0291.00.16	royal blue (450 nm)	500mW/LED
Flush Version	4.0291.75.11	6000K cold white	6900 lm
	4.0291.75.12	3000K warm white	5640 lm
	4.0291.75.13	4500K neutral white	6036 lm
	4.0291.75.16	royal blue (450 nm)	500mW/LED

Specifications	
LED	white: 12 POW-LED blue: 48 POW-LED
WATT	white: total 47 W blue: total 49,5 W
POWER	CC 3600mA @12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 2x2,5 qmm

Control gear	Details
5.0630.01.12 max 1	→ 210
5.0630.10.12 max 1	
5.0630.11.12 max 1	
5.0630.03.12 max 3	

Dynamic illumination

Cover	#	Color	Lumen
Standard	4.0291.00.41	RGB-CW cold white 6000K	cold white: 2100 lm
	4.0291.00.42	RGB-WW warm white 3000K	warm white: 1800 lm
	4.0291.00.43	RGB-NW neutral white 4500K	neutral white: 1920 lm
Flush Version	4.0291.75.41	RGB-CW cold white 6000K	cold white: 2100 lm
	4.0291.75.42	RGB-WW warm white 3000K	warm white: 1800 lm
	4.0291.75.43	RGB-NW neutral white 4500K	neutral white: 1920 lm

Specifications	
LED	12 Multichip POW-LED
WATT	all on 75 W
POWER	CC 1400mA @12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm

Control gear	Details
5.0630.09.52 max 1	→ 216

Notes

- Individual configuration of the LED multichips possible
- Versions with plastic component for retrofit installations available. For wall installation or flexible use on the edge of the pool.
- Spotlights without connected cable for simple retrofitting of halogen to POW LED with use of the existing 2-pin cable (Only monochrome, cross section min. 2x2.5qmm). The cable can be connected to the connection box without opening the spotlight. Always observe the separate manual instructions.
- In case of retrofitting to RGB-W version, the cable must be replaced with special underwater cable (9.6150.04.41).
- Existing transformers must be replaced by appropriate power supply units and RGBW-controllers.
- Version for saline water see page 72

Retrofit Spotlight

4.0291.73

For use in saltwater, special solutions made of particularly resistant material are required. For this reason, a special high-alloy stainless steel (1.4539 904L) was chosen for the brine version of the 4.0291 retrofit spotlight, which can withstand salt concentrations of up to 3.5 percent as well as organic and inorganic acids. In addition, the spotlight offers high resistance to pitting corrosion and good skin compatibility.

1:1 SCALE



Only to use under water

WIBRE
Made in Germany

4.0291.73 | Retrofit Spotlight

Up to 6900 lumen – Sustainable replacement for halogen spotlights in baths with increased brine concentration

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Special corrosion-proof version made marine grade 904L stainless steel 1.4539
- For pools with increased saltwater concentration (up to 3.5 %)
- Round attachment cover, made of stainless steel 904L, height 13 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Supplied without cable

Typical applications

This retrofit spotlight is intended as a replacement for existing saline spotlights with halogen technology, primarily types 4.0267 and 4.0271 and various other makes. This spotlight has everything for a hassle-free change. Better lighting power, considerably less consumption, long service life and safety - operation in accordance with standards VDE0100-702 resp. IEC 60598-2-18 in water accessible to persons.





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Photo: Tom Philippi, www.tomphilippi.com



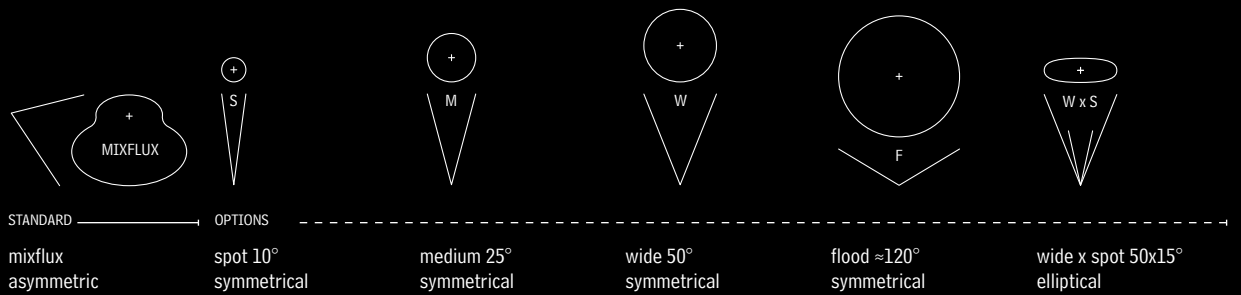
© Vabali Spa Berlin, Germany
Photo: David Burghardt/db-photo.de

4.0291.73 | Retrofit Spotlight

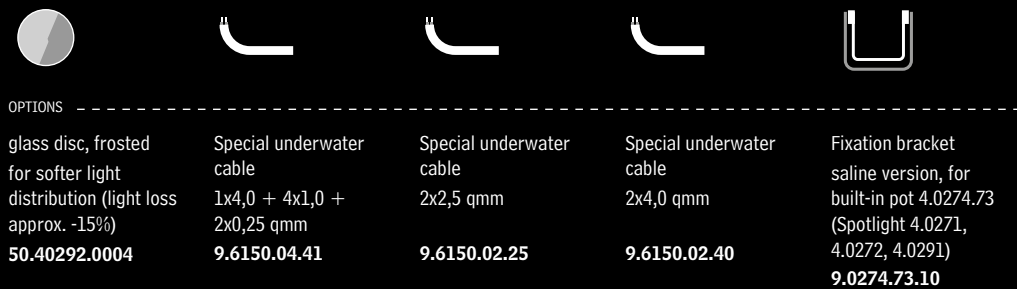
Colour temperatures



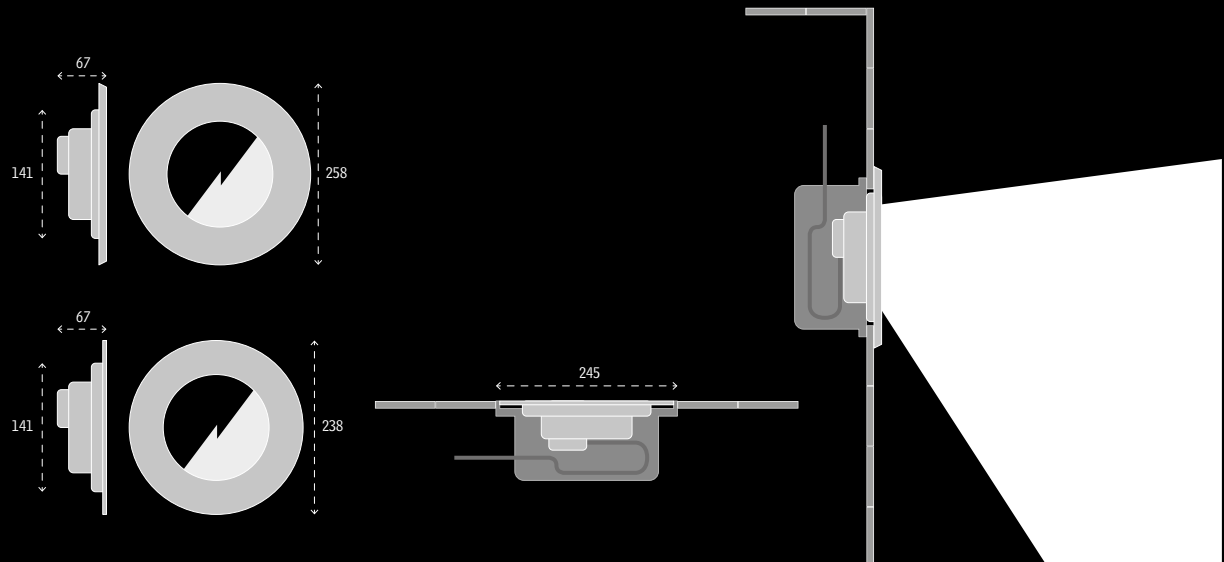
Beam angles



Additional parts



Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4539 904L	3.000 K 4.500 K 6.000 K BLUE	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE EXCL.	max 5m			CE			
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Underwater environments only

Monochrome illumination

Cover	#	Color	Lumen	Specifications	Control gear	Details
Saline-Version	4.0291.73.11	6000K cold white	6900 lm	LED white: 12 POW-LED blue: 48 POW-LED white: total 47 W blue: total 49,5 W WATT CC 3600mA @12 V-DC BEAM asymmetric Mixflux CABLE UW, 2x2,5 qmm	5.0630.01.12 max 1 5.0630.10.12 max 1 5.0630.11.12 max 1 5.0630.03.12 max 3	→ 210
	4.0291.73.12	3000K warm white	5640 lm			
	4.0291.73.13	4500K neutral white	6036 lm			
	4.0291.73.16	royal blue (450 nm)	500mW/LED			
Flush Saline-Version	4.0291.78.11	6000K cold white	6900 lm			
	4.0291.78.12	3000K warm white	5640 lm			
	4.0291.78.13	4500K neutral white	6036 lm			
	4.0291.78.16	royal blue (450 nm)	500mW/LED			

Dynamic illumination

Cover	#	Color	Lumen	Specifications	Control gear	Details
Saline-Version	4.0291.73.41	RGB-CW cold white 6000K	cold white: 2100 lm	LED 12 Multichip POW-LED WATT all on 75 W POWER CC 1400mA @12 V-DC BEAM asymmetric Mixflux CABLE UW, 1x4,0 + 4x1,0 + 2x0,25 qmm	5.0630.09.52 max 1	→ 216
	4.0291.73.42	RGB-WW warm white 3000K	warm white: 1800 lm			
	4.0291.73.43	RGB-NW neutral white 4500K	neutral white: 1920 lm			
Flush Saline-Version	4.0291.78.41	RGB-CW cold white 6000K	cold white: 2100 lm			
	4.0291.78.42	RGB-WW warm white 3000K	warm white: 1800 lm			
	4.0291.78.43	RGB-NW neutral white 4500K	neutral white: 1920 lm			

Notes

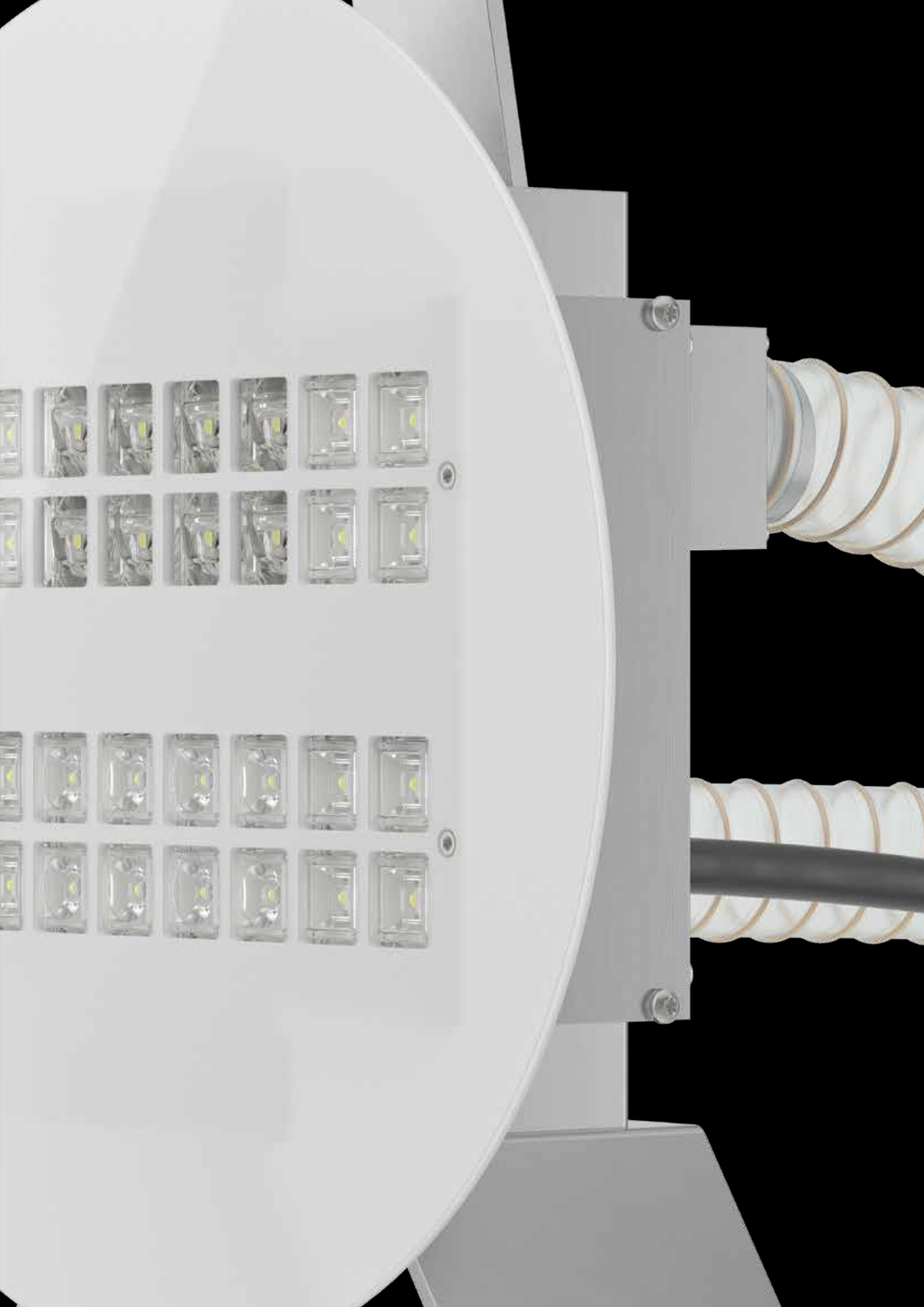
- Individual configuration of the LED multichips possible
- Spotlights without connected cable for simple retrofitting of halogen to POW LED with use of the existing 2-pin cable (Only monochrome, cross section min. 2x2.5qmm). The cable can be connected to the connection box without opening the spotlight. Always observe the separate manual instructions.
- In case of retrofitting to RGB-W version, the cable must be replaced with special underwater cable (9.6150.04.41).
- Existing transformers must be replaced by appropriate power supply units and RGBW-controllers.

Retrofit-Insert for 4.2000

4.2013

With the LED insert, existing competition and sports pool lighting systems (spot-light size 4.2000) with operation from the pool perimeter or the back of the pool can be transformed into innovative solutions in no time at all. In addition to high performance with simultaneous energy efficiency, it stands out due to minimised maintenance costs and above-average safety for swimmers. Compared to old 400-watt metal vapour lamps, the LED insert consumes only 125 watts, the frequent time-consuming replacement of lamps is no longer necessary and the water illuminated by light directed forwards without loss appears particularly clear.

1:1 SCALE



4.2013 | Retrofit-Insert for 4.2000

Up to 18600 lumen – Sustainable replacement for 400 Watt HIT

- Retrofit insertion for installation in existing spotlights 4.2000
- For retrofitting halogen to LED
- Entirely made of high-quality anodised aluminium
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Operating mode mono: constant voltage
- Operating mode RGB-W: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Delivered ready for connection
- Incl. end cover with integrated access port for easy installation
- Constant-voltage power source/RGB-W controller ordered separately
- Supplied with 2 m of special underwater cable

Typical applications

This retrofit insert is intended for existing 4.2000 type spotlights, which are primarily installed in sports pools. The insert has everything for a hassle-free change to LED. Better lighting power, considerably less consumption, long service life, safety and sophisticated temperature management. The latter is important in order to put the spotlight back into operation in accordance with regulations, namely as a closed unit with a cover plate.





© Campus Sursee, Oberkirch, Switzerland
Photo: Samuel Trümpy



© Aquatoll, Neckarsulm, Germany

Colour temperatures



STANDARD

6000K
cold white

4500K
neutral white

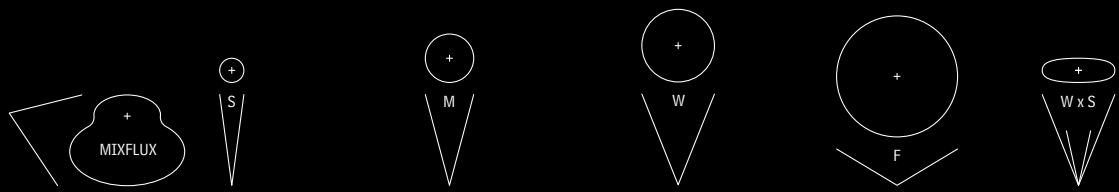
3000K
warm white

RGB-6000K
+ cold white

RGB-4500K
+ neutral white

RGB-3000K
+ warm white

Beam angles



STANDARD

mixflux
asymmetric

OPTIONS

spot 10°
symmetrical

medium 25°
symmetrical

wide 50°
symmetrical

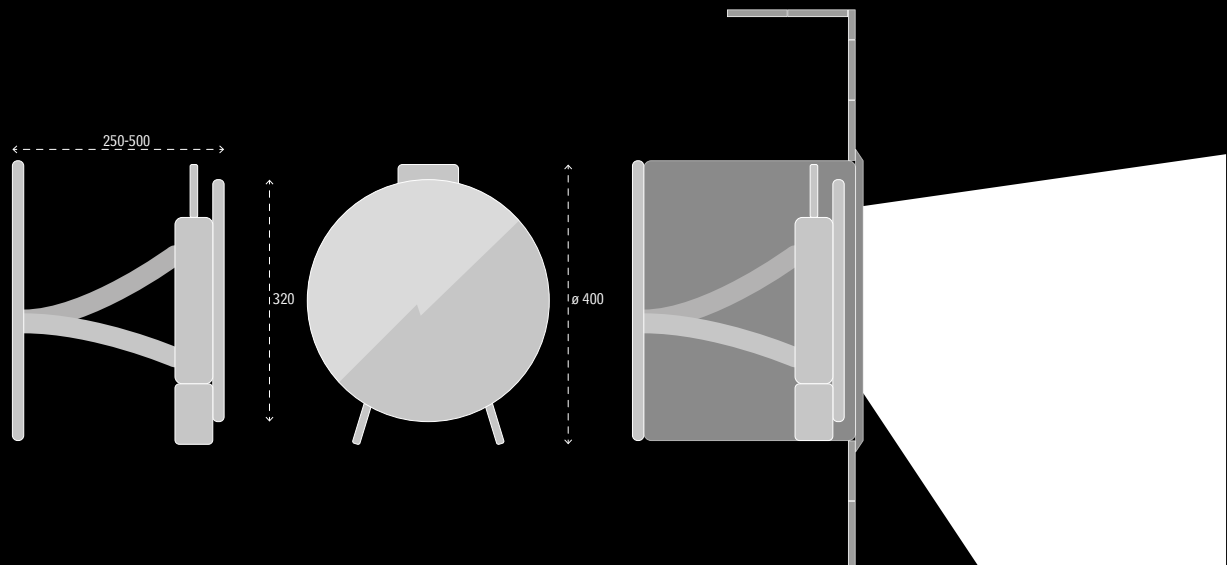
flood ~120°
symmetrical

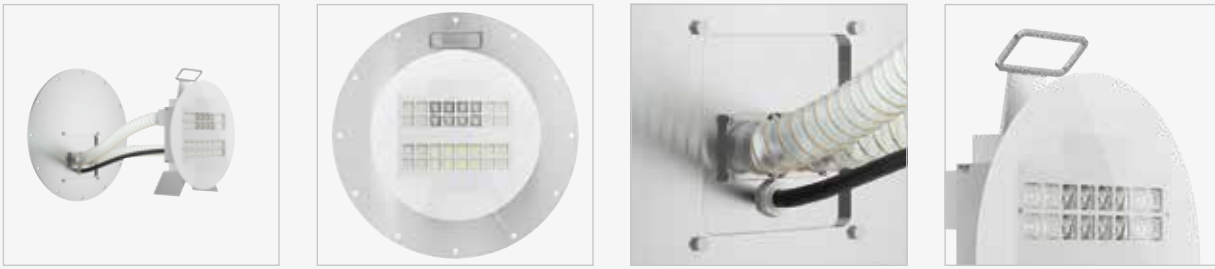
wide x spot 50x15°
elliptical

Notes

- Replacement/exchange requires separate agreements.
- Dimmable power supply units on request

Dimensions





ALU	POW-LED INCL.	3.000 K 4.500 K 6.000 K RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	CABLE INCL.	max 3m	←	CE	III							
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Underwater environments only

Monochrome illumination

#	Color	Lumen
4.2013.00.11	6000K cold white	18600 lm
4.2013.00.12	3000K warm white	15040 lm
4.2013.00.13	4500K neutral white	16080 lm

Specifications	
LED	32 POW-LED
WATT	total 124 W
POWER	CV 12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 5x1,5 qmm

Control gear	Details
5.0630.20.32 max 1	→ 210

Dynamic illumination

#	Color	Lumen
4.2013.02.41	RGB-CW cold white 6000K	cold white: 4640 lm
4.2013.02.42	RGB-WW warm white 3000K	warm white: 4020 lm
4.2013.02.43	RGB-NW neutral white 4500K	neutral white: 4320 lm

Specifications	
LED	32 Multichip POW-LED
WATT	all on 152 W
POWER	CC max 24 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 10x0,5 qmm

Control gear	Details
5.0670.69.52 max 1	→ 216

Retrofit-Insert for 4.1900

4.1913

The powerful LED insert for the replacement of existing sports pool spotlights (size 4.1900) with operation from the pool perimeter or the back of the pool increases the safety of swimmers and minimises maintenance and energy costs. Compared to outmoded 150-watt metal vapour lamps, it consumes only 62 watts and the frequent time-consuming replacement of lamps is no longer necessary. The light, which is directed forwards without loss, illuminates the water particularly clearly and intensively.



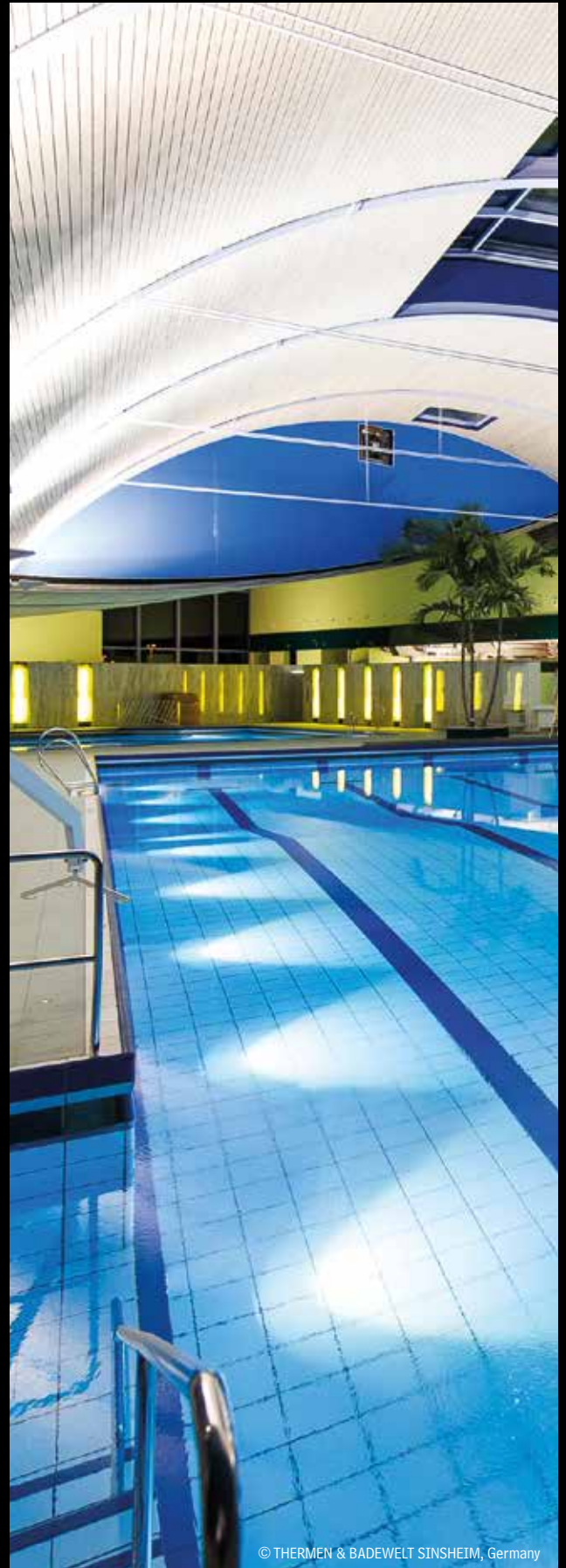
1:1 SCALE



4.1913 | Retrofit-Insert for 4.1900

Up to 9300 lumen – Sustainable replacement for 150 Watt HIT

- Retrofit insertion for installation in existing spotlights 4.1900
- For retrofitting halogen to LED
- Entirely made of high-quality anodised aluminium
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Operating mode mono: constant voltage
- Operating mode RGB-W: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting
„asymmetric Mixflux“
- ...
- Delivered ready for connection
- Incl. end cover with integrated access port
for easy installation
- Constant-voltage power source/RGB-W controller
ordered separately
- Supplied with 2 m of special underwater cable



© THERMEN & BADEWELT SINSHEIM, Germany



© Hallenbad Biel-Bienne, Switzerland
Photo: Tridea Grafik Fotografie Webdesign Nidau Biel-Bienne

Typical applications

This retrofit insert is intended for existing 4.1900 type spotlights, which are primarily installed in sports pools. The insert has everything for a hassle-free change to LED. Better lighting power, considerably less consumption, long service life, safety and sophisticated temperature management. The latter is important in order to put the spotlight back into operation in accordance with regulations, namely as a closed unit with a cover plate.

Colour temperatures



STANDARD

6000K
cold white

4500K
neutral white

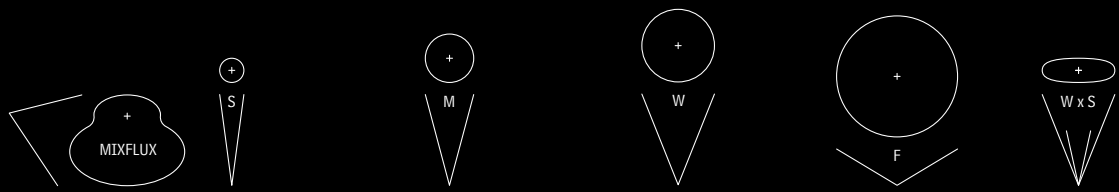
3000K
warm white

RGB-6000K
+ cold white

RGB-4500K
+ neutral white

RGB-3000K
+ warm white

Beam angles



STANDARD

mixflux
asymmetric

OPTIONS

spot 10°
symmetrical

medium 25°
symmetrical

wide 50°
symmetrical

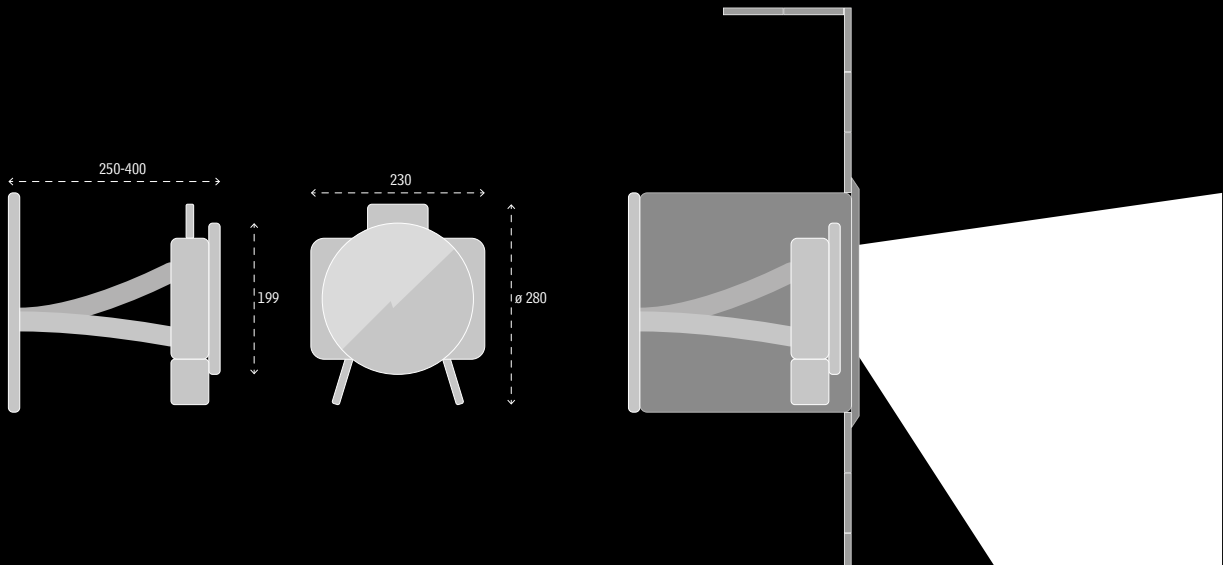
flood ≈120°
symmetrical

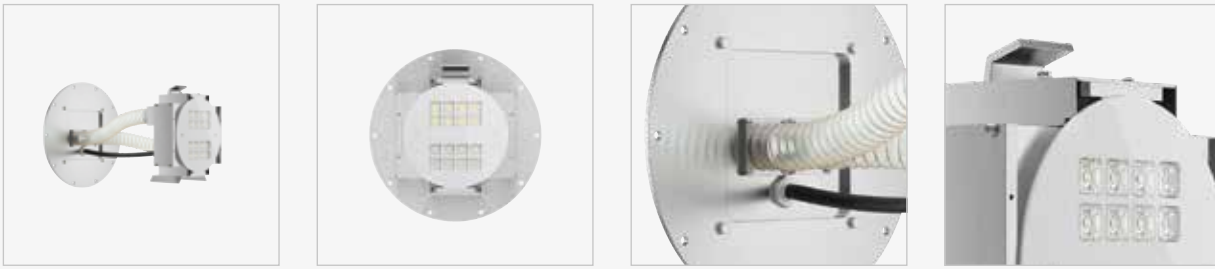
wide x spot 50x15°
elliptical

Notes

- Replacement/exchange requires separate agreements.
- Dimmable power supply units on request

Dimensions





Underwater environments only

Monochrome illumination

#	Color	Lumen
4.1913.00.11	6000K cold white	9300 lm
4.1913.00.12	3000K warm white	7520 lm
4.1913.00.13	4500K neutral white	8040 lm

Specifications	
LED	16 POW-LED
WATT	total 62 W
POWER	CV 12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 5x1,5 qmm

Control gear	Details
5.0630.20.16 max 1	→ 210

Dynamic illumination

#	Color	Lumen
4.1913.00.41	RGB-CW cold white 6000K	cold white: 2320 lm
4.1913.00.42	RGB-WW warm white 3000K	warm white: 1880 lm
4.1913.00.43	RGB-NW neutral white 4500K	neutral white: 2010 lm

Specifications	
LED	16 Multichip POW-LED
WATT	all on 76 W
POWER	CC 12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 25x0,5 qmm

Control gear	Details
5.0670.39.52 max 1	→ 216



Recessed Spotlights

Spotlight for illuminating pools and other water areas, as a supplement to the CENTUM series



© Badeschiff Berlin, Germany
www.badeschiff.de



Recessed Linear Spotlight

4.3061

With 18 linearly arranged high-performance LEDs, the robust stainless steel recessed spotlight with its above-average high quality creates a wide light distribution that homogeneously illuminates the entire surface of the water in large public swimming pools or hotel pools. It is also used for marking lines in sports pools.

Options ranging from cool to neutral to warm white, blue and RGB are available as colour temperatures. Thanks to the swivelling capability of the LED unit during production, the light cone can be directed onto the floor to achieve better illumination and minimise glare.





4.3061 | Recessed Linear Spotlight

Up to 4140 lumen – Linear illumination for swimming pools

- Protection class IP68 – up to 5m water depth
- Entirely made of stainless steel 316Ti 1.4571
- Rectangular cover, made of stainless steel 316Ti, height 5 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED blue
- POW-LED RGB
- Operating mode: constant current
- ...
- Rotation-symmetric light distribution
- Temperature controlled (NTC)
- Adjustable +/- 15°
- ...
- Constant-current power source/RGB Controller external
- Cable gland PG11, stainless steel 316Ti
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube and connection socket (order separately)
- Supplied with 3m of underwater cable



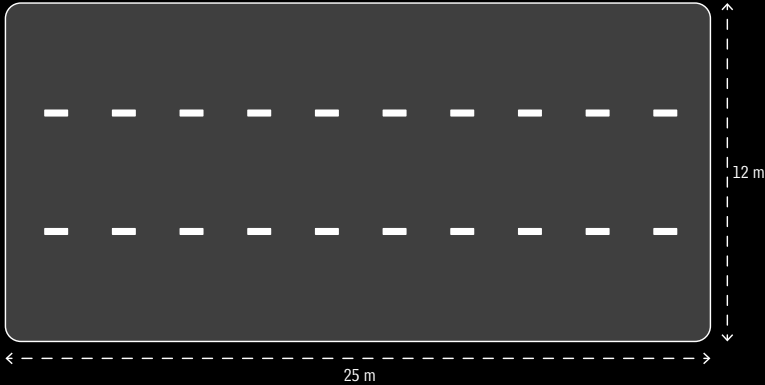
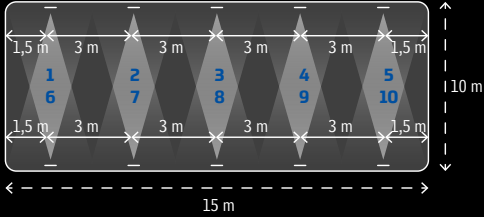
© Campus Sursee, Oberkirch, Switzerland
Photo: Samuel Trümpy



© Parkhotel Vitznau, Switzerland

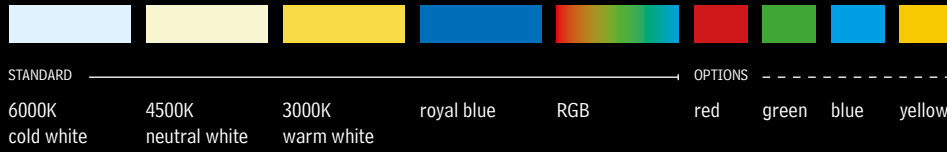
Typical applications

Starting from a pool width of 8 metres, choose an opposite arrangement of the spotlights, with a distance of approximately 3 metres between each. For narrower pools, a one-sided arrangement is practical. The spotlight can be used individually, for example in the floor as orientation or in wide stair areas. It can also be used in various water features.

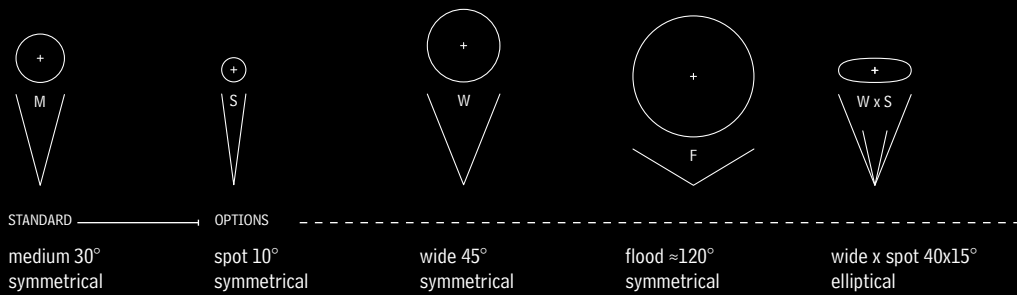


4.3061 | Recessed Linear Spotlight

Colour temperatures



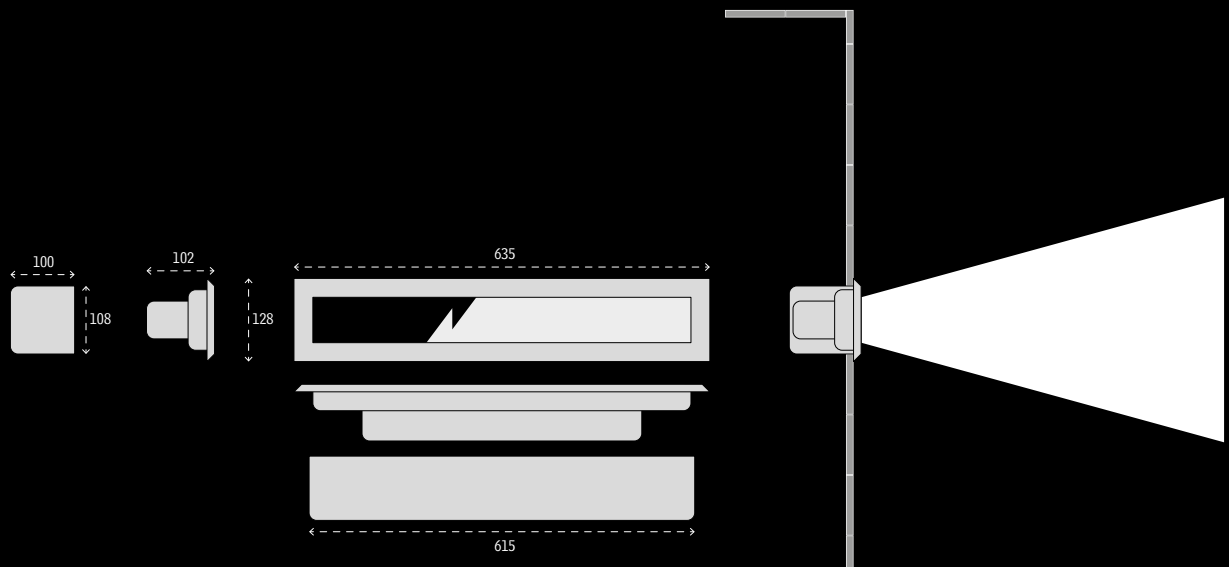
Beam angles



Notes

- Installation housing for other pool types or flush cover version on request.
- Variant as surface-mounted spotlight available (tiltable from 180 °)
- Matching installation housing should be selected, depending on the installation type and situation.

Dimensions





IP68	IK11	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K BLUE	RGB	CONSTANT CURRENT KONSTANT STROM	DALI 1-10V OPTIONAL DIMM	CABLE INCL.	max 5m					
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Underwater environments only

Monochrome illumination

#	Color	Lumen
4.3061.40.11	6000K cold white	4140 lm
4.3061.40.12	3000K warm white	2700 lm
4.3061.40.13	4500K neutral white	2880 lm
4.3061.40.16	royal blue	610 mW/LED

Specifications	
LED	18 POW-LED
WATT	total 48 W
POWER	CC 700 mA @24 V-DC
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm

Control gear	Details
5.0670.00.18 max 1	→ 212

Dynamic illumination

#	Color	Lumen
4.3061.40.19	RGB	

Specifications	
LED	18 POW-LED
WATT	all on 50 W
POWER	CC 700 mA @24 V-DC
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm

Control gear	Details
5.0670.09.18 max 1	→ 218

Installation housings



Concrete pools with tile covering



Stainless steel pools



Facing concrete pools

4.3061.01.00

made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools and for installation in concrete pools with tile covering

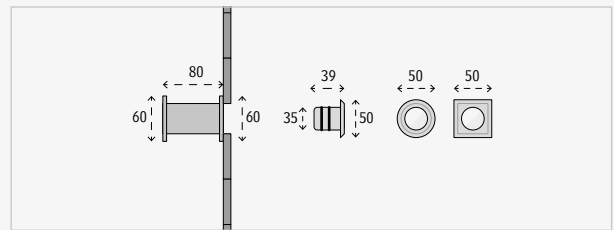
Recessed Spotlight

4.0012

- Protection class IP68 – Water depth 5 m
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti
- Round or square attachment cover, height 3 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED blue
- Multichip POW-LED RGB
- Operating mode: constant current
- Rotationally symmetric light distribution
- ...
- Cable pressure sleeve, stainless steel 316Ti
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube and connection socket
- Supplied with 3m of UW-cable



IP68 IP69	IK07	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K BLUE	RGB	CONSTANT CURRENT KONSTANT STROM	DALI 1-10V OPTIONAL DIMM
CABLE INCL.	max 5m			CE			



Monochrome and dynamic illumination

Cover	#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
Round Cover	4.0012.20.11	6000K cold white	165 lm	1 POW-LED	total 2 W	CC 350 mA	10° spot	UW, 2x0,5 qmm	5.0635.65.03 max 3 5.0635.65.20 max 4-12 5.0635.03.30 max 7 (14*) 5.0635.03.31 max 7 (14*)
	4.0012.20.12	3000K warm white	135 lm						
	4.0012.20.13	4500K neutral white	155 lm						
	4.0012.20.16	blue	400 mW/LED						
Square Cover	4.0012.40.11	6000K cold white	165 lm						
	4.0012.40.12	3000K warm white	135 lm						
	4.0012.40.13	4500K neutral white	155 lm						
	4.0012.40.16	blue	400 mW/LED						
Round Cover	4.0012.20.19	RGB		1 Multichip POW-LED	all on 5 W	CC 350 mA	120° flood	UW, 6x0,5 qmm	5.0635.09.16 max 4 5.0635.09.24 max 8

Installation housings

4.0012.01.00	4.0012.02.00	4.0012.03.00	4.0012.10.00
made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools and for installation in concrete pools with tile covering	made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 80 mm) - spotlight with special cover ø 74 mm	made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange) ø 150 mm	made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in the floor area (without sheathing flange) with a housing installation height of max. 80 mm

Notes

- POW-LED with beam angle spot 10°, medium 30°, wide 45°, flood 90° and elliptical 15x40°
- POW-LED monochrome, single colour in green, red, amber, blue
- Homogeneous diffuse light distribution for accentuation on request.
- SALINE version possible - Article number with an additional „S“ at the end
- Spotlight with special cover ø 74 mm using installation housing with pressure flange
- POW-LED, series-connected

*Only for areas without people inside the water

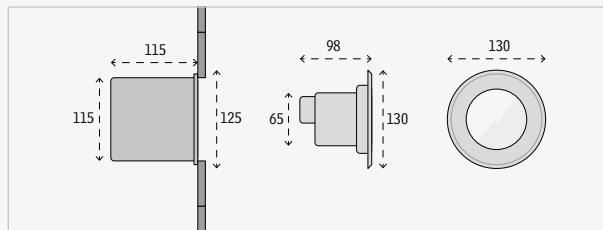
Recessed Spotlight

4.0171

- Protection class IP68 – up to 5m water depth
- Protection class IP69 – protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti
- Round attachment cover, made of stainless steel 316Ti, height 3 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED blue
- Multichip POW-LED RGB
- Multichip POW-LED RGB-W
- Multichip POW-LED Dynamic white
- Operating mode: constant current
- Rotationally symmetric light distribution
- ...
- Cable gland M16x1,5
- Constant-current power source/RGB controller external
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube and connection socket (order separately)
- Supplied with lamp and 3 m of underwater cable



IP68 IP69	IK09	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K BLUE	RGB RGB-W	DYNAMIC WHITE	CONSTANT CURRENT KONSTANT STROM
DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 5m			CE		



Additional parts

glass disc, frosted for softer light distribution (light loss approx. -15%) 50.4.00012.746	anti-glare louvre black, for 3 POW-LED and halogen 4.0071.00.50	anti-glare louvre black, for 6 POW-LED 4.0071.01.50
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Notes

- POW-LED with beam angle spot 10°, medium 30°, wide 45°, flood 90° and elliptical 15x40°
- RGB-W Radiation angle 10° und 25°
- POW-LED monochrome, single colour in green, red, amber, blue
- Version with square cover
- 3 POW-LED unit rotatable and +/-15° adjustable
- SALINE version possible - Article number with an additional „S“ at the end
- POW-LED, series-connected
- Versions with QR-CB51 lamp available

Monochrome and dynamic illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0171.20.11	6000K cold white	915 lm	3 POW-LED	total 9 W	CC 700 mA	30° medium	UW, 2x1,5 qmm	5.0670.65.20 max 2 5.0670.03.30 max 2 (3*) 5.0670.03.31 max 2 (3*)
4.0171.20.12	3000K warm white	750 lm						
4.0171.20.13	4500K neutral white	855 lm						
4.0171.20.16	blue	630 mW/LED						
4.0171.20.31	6000K cold white	1830 lm	6 POW-LED	total 17 W	CC 1400 mA			5.0670.00.06 max 1
4.0171.20.32	3000K warm white	1500 lm						
4.0171.20.33	4500K neutral white	1710 lm						
4.0171.20.19	RGB		3 Multichip POW-LED	all on 28 W	CC 700 mA	45° medium	UW, 6x0,5 qmm	5.0670.09.18 max 2
4.0171.20.41	RGB-CW cold white 6000K	cold white: 150 lm	1 Multichip POW-LED	all on 4 W	CC 350 mA	35° medium	UW, 8x0,25 qmm	5.0635.09.52 max 12
4.0171.20.42	RGB-WW warm white 3000K	warm white: 120 lm						
4.0171.20.43	RGB-NW neutral white 4500K	neutral white: 140 lm						
4.0171.20.80	3000K-6000K dynamic white							

Installation housings

4.0171.01.00 made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools and for installation in concrete pools with tile covering	4.0171.02.00 made of V4A stainless steel with 1.5m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 137 mm)	4.0171.03.00 made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange ø 215 mm)
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*Only for areas without people inside the water

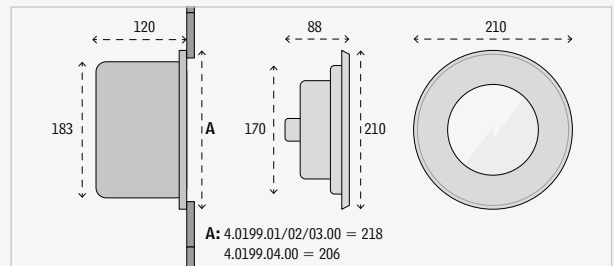
Swimming pool Light

4.0199

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Round attachment cover, made of stainless steel 316Ti, height 3 mm
- ...
- Operating mode: constant current
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB
- Operating mode: constant voltage
- Multichip POW-LED RGB-W
- Rotationally symmetric light distribution
- ...
- Constant-current power source/RGB controller ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 3 m of special underwater cable



IP68 IP69	IK08	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K BLUE	RGB RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	DALI 1-10V OPTIONAL DIMM	CABLE INCL.



Additional parts

- | | |
|---|--|
| glass disc, frosted
for softer light
distribution (light loss
approx. -15%)
50.4.00109.138 | mounting plate
for adaptation to 4.0199 series
with already installed housing,
made of stainless steel 316Ti,
round, ø 300 mm
9.0199.20.00 |
|---|--|

Notes

- POW-LED with beam angle spot 10°, medium 30° and wide 45° on request
- POW-LED monochrome, single colour in green, red, amber, turquoise, capriblue
- Version without Scatter disc at RGB-W
- SALINE version possible - Spotlight 4.0299.73
- Matching installation housing should be selected, depending on the installation type and situation.
- For facing concrete please use housing 4.0199.04.00

Underwater environments only

Monochrome and dynamic illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0199.00.11	6000K cold white	3450 lm	15 POW-LED	total 42 W	CC 3500mA @12 V-DC	120° flood	UW, 2x2,5 qmm	5.0670.00.15 max 1 5.0670.11.15 max 1
4.0199.00.12	3000K warm white	2850 lm						
4.0199.00.13	4500K neutral white	3225 lm						
4.0199.00.16	royal blue	650 mW/LED						
4.0199.00.19	RGB		9 Multichip POW-LED	all on 85 W	CC 700mA @12 V-DC	120° flood	UW, 6x1,0 + 2x0,5 qmm	5.0670.19.24 max 1
4.0199.00.41	RGB-CW cold white 6000K	coldwhite: 1590 lm	6 Multichip POW-LED	all on 60 W	CV 12 V-DC	diffus	UW, 2x2,5 + 4x0,5 qmm	5.0670.09.52 max 2
4.0199.00.42	RGB-VW warm white 3000K	warmwhite: 1220 lm						
4.0199.00.43	RGB-NW neutral white 4500K	neutralwhite: 1390 lm						
4.0199.00.44	RGB amber							
4.0199.01.41	RGB-CW cold white 6000K	coldwhite: 1590 lm						
4.0199.01.42	RGB-VW warm white 3000K	warmwhite: 1220 lm						
4.0199.01.43	RGB-NW neutral white 4500K	neutralwhite: 1390 lm						
4.0199.01.44	RGB amber							

Installation housings

4.0199.01.00	4.0199.02.00	4.0199.03.00	4.0199.04.00
made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in concrete pools with tile covering	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in thin-walled pools and foil-lined pools (pressure flange ø 218 mm)	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in pools with adhesive/foil coating (adhesive flange ø 360 mm)	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for facing concrete and for welding into stainless steel pools

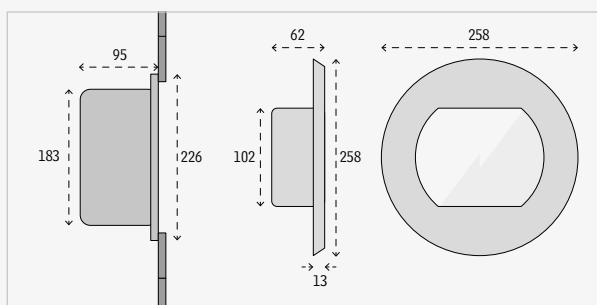
Swimming pool Light

4.0271

- Protection class IP68 – up to 3m water depth
- Entirely made of stainless steel 316Ti 1.4571
- Round attachment cover, made of stainless steel 316Ti, height 13 mm
- For all standard pool types
- ...
- QT12 or QT16 light sources
- POW-LED white 12 V-DC
- POW-LED capriblue 12 V-DC
- POW-LED RGB 12 V-DC
- POW-LED white 24 V-DC
- POW-LED RGB 24 V-DC
- Optimization of beam angle character
- POW-LED-Platine temperature control (NTC)
- Beam angle: 80° symmetric/horizontal and 45° asymmetric/vertical (halogen)
- ...
- Light source can be changed without draining the water (halogen)
- Type 4.0272 with frosted glass for soft light distribution (light losses approx. 15 %)
- Supplied with light source and special underwater cable already connected



IP68	STAINLESS STEEL V4A 1.4571 316Ti	POW-LED INCL.	3.000 K 4.500 K 6.000 K RGB	CONSTANT CURRENT KONSTANT STROM	QT12 QT16 12 V-AC 30 V-DC	CABLE INCL.	max 3m
←	↗	CE	III				



Additional parts

pressure flange for thin-walled pools or pools with fitted plastic foil 4.0274.00.25	gluing and pressure flange for adhesive/foil coating with pressure flange 4.0274.55.25	gluing flange for adhesive/foil coating 4.0274.55.55	mounting plate for replacement to Wibre, round, grade 316, ø 302 x 9 mm 9.8267.00.00
mounting plate for replacement to Wibre, square, grade 316, 290 x 290 x 11 mm 9.8167.00.00	built in pot of 316L stainless steel with 1,5m cable duct, cable entry from side 4.0274.00.00	built in pot of 316L stainless steel with 1,5m cable duct, cable entry from behind 4.0274.00.50	

Notes

- Monochrome POW-LED available in red, green, blue, amber and warm white
- An installation housing is required for a new installation. Please order separately.
- Must only be operated with a WIBRE power supply or controller
- Saline version (4.0273) and flush version (4.0275) available - www.wibre.de

Underwater environments only

Monochrome and dynamic illumination

#		Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0271.00.01	6000K cold white	2700 lm	18 POW-LED	total 50 W	CC 700 mA @24 V-DC	asym-metrical	UW, 2x2,5 qmm	5.0670.00.40 max 1
4.0271.00.09	RGB		24 POW-LED	all on 30 W	CC 350 mA @24 V-DC		UW, 6x1,0 + 2x0,5 qmm	5.0635.09.24 max 1
4.0271.00.11	6000K cold white	4050 lm	27 POW-LED	total 85 W	CC 700 mA @12 V-DC	asym-metrical	UW, 6x1,0 + 2x0,5 qmm	5.0670.11.24 max 1
4.0271.00.12	3000K warm white	3510 lm						
4.0271.00.13	4500K neutral white	3780 lm						
4.0271.00.26	capri blue (9 x blue, 9 x green, 9 x white)							
4.0271.00.19	RGB			all on 85 W				5.0670.19.24 max 1
4.0271.03.10	3000K	2.200lm	QT12	100W	12V-AC	asym-metrical	UW, 2x2,5 qmm	5.0100.00.00 max 1
4.0271.03.17	3000K	5.100lm		175W				5.0311.00.00 max 2
4.0271.03.20	3000K	5.800lm		200W	30V-DC			5.0103.00.00 max 2
4.0271.03.40	3000K	11.600lm		400W				5.0410.00.01 max 1
								5.0420.00.01 max 2
								5.0420.00.01 max 1

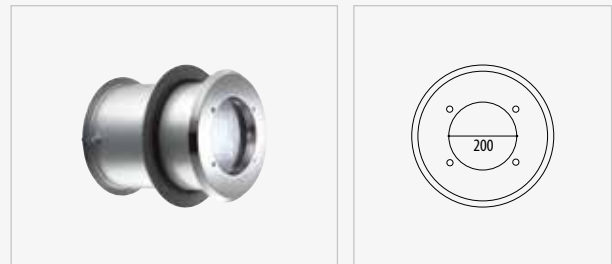
Swimming pool Light

4.1900

- Protection class IP68 – for a water depth of up to 3 m
- Spotlight housing entirely made of stainless steel 316Ti 1.4571
- ...

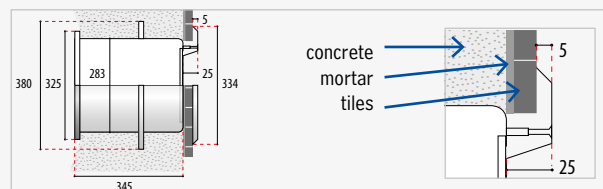
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Operating mode mono: constant voltage
- Operating mode RGB-W: constant current
- Temperature controlled (onboard); surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...

- For leisure pools and sports pools with walkaround or surrounding shaft
- Wall installation in all standard pool types
- Incl. end cover with integrated access port
- Constant-voltage power source/RGB-W controller ordered separately
- Supplied with 2 m of special underwater cable

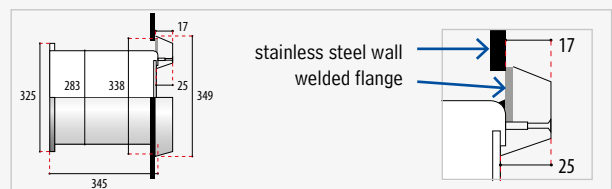


IP68	STAINLESS STEEL V4A 1.4571 316Ti	POW-LED INCL.	3.000 K 4.500 K 6.000 K RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	CABLE INCL. max 3m	←
	CE					

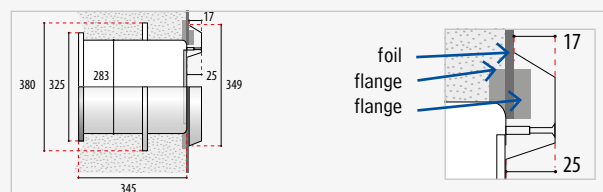
[00] Tiled concrete pools (tiles + mortar 15–20 mm)



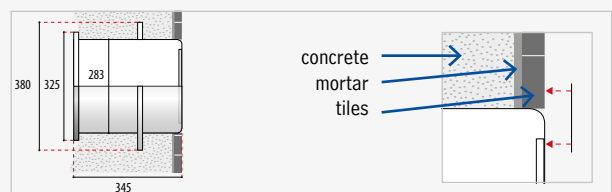
[04] Stainless steel pools (welded flange)



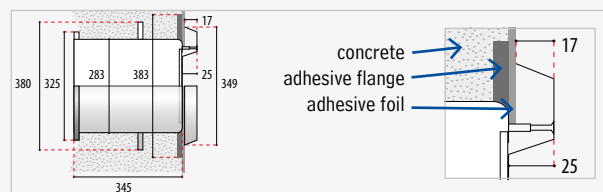
[01] Concrete pools with fitted foil (pressure flange)



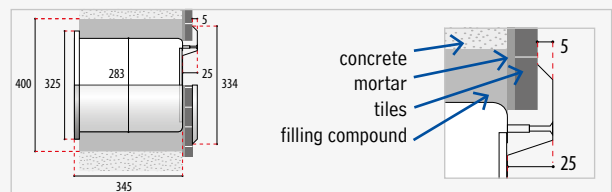
[50] Tiled pools with movable floors (tiles + mortar 16–20 mm)



[03] Pools with adhesive/foil coatings (adhesive flange)



[60] later installation (tiles + mortar 15–20 mm)



housing extension
per each 380 mm
9.1920.00.00

housing shorten
minimal 280 mm
9.1921.00.00

Customer-specific
installations and
special designs
available on request.

Underwater environments only

Monochrome and dynamic illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.1903. [].11	6000K cold white	9300 lm	16 POW-LED	total 62 W	CV 12 V-DC	asymmetric Mixflux	UW, 5x1,5 qmm	5.0630.20.16 max 1
4.1903. [].12	3000K warm white	7520 lm						
4.1903. [].13	4500K neutral white	8040 lm						
4.1903. [].41	RGB-CW cold white 6000K	cold white: 2320 lm	16 Multichip POW-LED	all on 76 W	CC 12 V-DC	asymmetric Mixflux	UW, 25x0,5 qmm	5.0670.39.52 max 1
4.1903. [].42	RGB-VW warm white 3000K	warm white: 1880 lm						
4.1903. [].43	RGB-NW neutral white 4500K	neutral white: 2010 lm						

[] Complete the article number with the code of the installation variant

Swimming pool Light

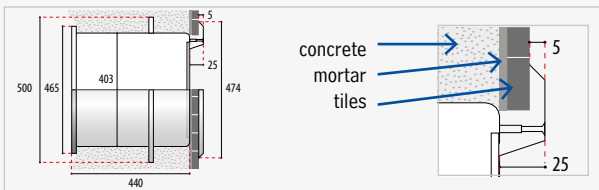
4.2000

- Protection class IP68 – for a water depth of up to 3 m
- Spotlight housing entirely made of stainless steel 316Ti 1.4571
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Operating mode mono: constant voltage
- Operating mode RGB-W: constant current
- Temperature controlled (onboard); surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- For competition pools and sports pools with walkaround or surrounding shaft
- Wall installation in all standard pool types
- Incl. end cover with integrated access port
- Constant-voltage power source/RGB-W controller ordered separately
- Supplied with 2 m of special underwater cable

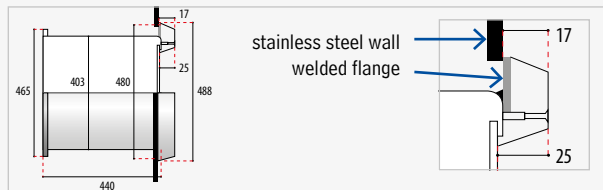


IP68	STAINLESS STEEL V4A 1.4571 316Ti	POW-LED INCL.	3.000 K 4.500 K 6.000 K RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	CABLE INCL.	max 3m	←
	CE						

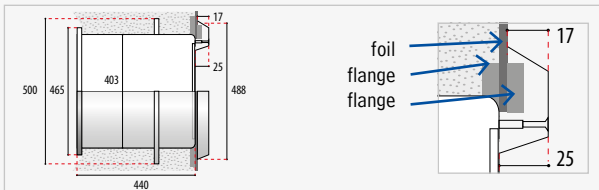
[00] Tiled concrete pools (tiles+ mortar 15–20 mm)



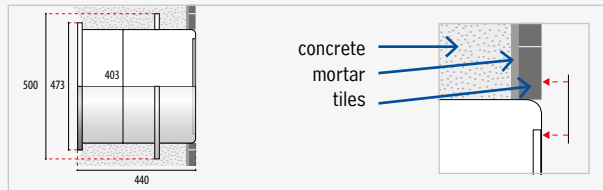
[04] Stainless steel pools (welded flange)



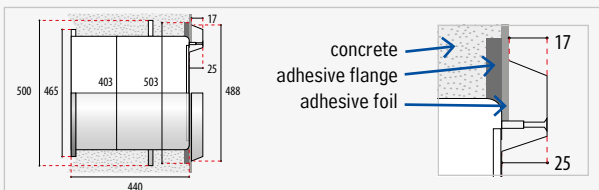
[01] Concrete pools with fitted foil (pressure flange)



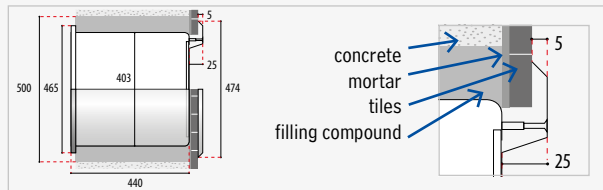
[50] Tiled pools with movable floors (tiles+ mortar 16–20 mm)



[03] Pools with adhesive/foil coatings (adhesive flange)



[60] later installation (tiles+ mortar 15–20 mm)



housing extension
per each 400 mm
9.2020.00.00

housing shorten
minimal 290 mm
9.2021.00.00

Customer-specific
installations and
special designs
available on request.

*Total length of the
light 4.2002 = length
+ 70 mm

Underwater environments only

Monochrome and dynamic illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.2002.[] .11*	6500K cold white	25000 lm	High-POW-LED	total 170 W	CV 12 V-DC	flood	incl.	integrated
4.2002.[] .12*	3000K warm white	20110 lm						
4.2002.[] .13*	4000K neutral white	21680 lm						
4.2003.[] .11	6000K cold white	18600 lm	32 POW-LED	total 124 W	CV 12 V-DC	asymmetric Mixflux	UW, 5x1,5 qmm	5.0630.20.32 max 1
4.2003.[] .12	3000K warm white	15040 lm						
4.2003.[] .13	4500K neutral white	16080 lm						
4.2003.[] .41	RGB-CW cold white 6000K	cold white: 4640 lm						
4.2003.[] .42	RGB-WW warm white 3000K	warm white: 4020 lm	32 Multichip POW-LED	all on 152 W	CC max 24 V-DC	asymmetric Mixflux	UW, 10x0,5 qmm	5.0670.69.52 max 1
4.2003.[] .43	RGB-NW neutral white 4500K	neutral white: 4320 lm						

[] Complete the article number with the code of the installation variant

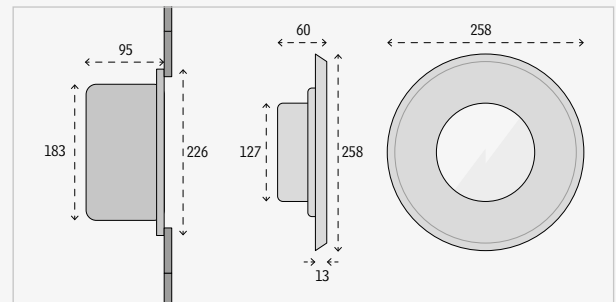
Retrofit Spotlight

4.0299

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Round attachment cover, made of stainless steel 316Ti, height 13 mm
- ...
- Operating mode: constant current
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB
- Operating mode: constant voltage
- Multichip POW-LED RGB-W
- Rotationally symmetric light distribution
- ...
- Constant-current power source/RGB controller ordered separately
- Supplied with 3 m of special underwater cable



IP68 IP69	IK08	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K BLUE	RGB RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	DALI 1-10V OPTIONAL DIMM	CABLE INCL.



Additional parts

built in pot of 316L stainless steel with 1,5 m cable duct, cable entry from side
4.0299.00.00

built in pot of 316L stainless steel with 1,5 m cable duct, cable entry from behind
4.0299.50.00

pressure flange for thin-walled pools or pools with fitted plastic foil
4.0299.00.25

gluing and pressure flange for adhesive/foil coating with pressure flange
4.0299.55.25

gluing flange for adhesive/foil coating
4.0274.55.55

mounting bracket required for Replacement
9.0299.00.10

mounting plate made of V4A-stainless steel, round, ø 310 mm
9.0299.20.00

mounting plate made of V4A-stainless steel, square, 290 x 290 mm
9.0299.40.00

glass disc, frosted for softer light distribution (light loss approx. -15%)
50.4.00109.138

Underwater environments only

Monochrome and dynamic illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0299.00.11	6000K cold white	3450 lm	15 POW-LED	total 42 W	CC 3500mA @12 V-DC	120° flood	UW, 2x2,5 qmm	5.0670.00.15 max 1 5.0670.11.15 max 1
4.0299.00.12	3000K warm white	2850 lm						
4.0299.00.13	4500K neutral white	3225 lm						
4.0299.00.16	royal blue	650 mW/LED						
4.0299.00.19	RGB		9 Multichip POW-LED	all on 85 W	CC 700mA @12 V-DC	120° flood	UW, 6x1,0 + 2x0,5 qmm	5.0670.19.24 max 1
4.0299.00.41	RGB-CW cold white 6000K	coldwhite: 1590 lm	6 Multichip POW-LED	all on 60 W	CV 12 V-DC	diffus	UW, 2x2,5 + 4x0,5 qmm	5.0670.09.52 max 2
4.0299.00.42	RGB-WW warm white 3000K	warmwhite: 1220 lm						
4.0299.00.43	RGB-NW neutral white 4500K	neutralwhite: 1390 lm						
4.0299.00.44	RGB amber							

Notes

- POW-LED with beam angle spot 10°, medium 30° and wide 45° on request
- POW-LED monochrome, single colour in green, red, amber, turquoise, capriblue
- Version for the replacement of existing PAR56 lights. All common manufacturers available (cover with different hole pitch circles).
- Version without Scatter disc at RGB-W
- A new mounting bracket is required (9.0299.00.10)

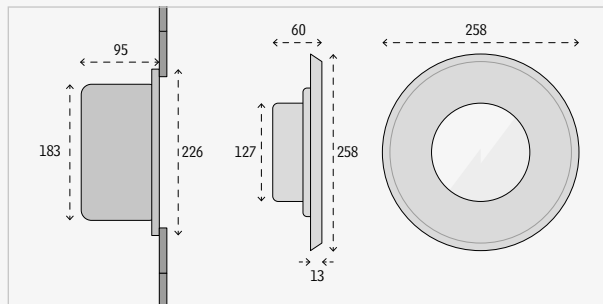
Retrofit Spotlight

4.0299.73

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Special corrosion-proof version made marine grade 904L stainless steel 1.4539
- For pools with increased saltwater concentration (up to 3.5 ‰)
- Round attachment cover, made of stainless steel 904L, height 13 mm
- ...
- Operating mode: constant current
 - POW-LED cold white, warm white, neutral white
 - POW-LED royal blue
 - Multichip POW-LED RGB
- Operating mode: constant voltage
 - Multichip POW-LED RGB-W
- Rotationally symmetric light distribution
- ...
- Constant-current power source/RGB controller ordered separately
- Supplied with 3 m of special underwater cable



IP68 IP69	IK08	STAINLESS STEEL V4A 1.4539 904L	3.000 K 4.500 K 6.000 K BLUE	RGB RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.



Additional parts

built in pot of 316L stainless steel with 1,5 m cable duct, cable entry from side, saline version 4.0299.73.00	mounting bracket required for Replacement, saline version 9.0299.73.10	mounting plate Saline version, made of V4A-stainless steel 1.4539, round, ø 310 mm 9.0299.20.73	mounting plate Saline version, made of stainless steel 904L 1.4539, square, 290 x 290 mm 9.0299.40.73	glass disc, frosted for softer light distribution (light loss approx. -15%) 50.4.00109.138
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Underwater environments only

Monochrome and dynamic illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0299.73.11	6000K cold white	3450 lm	15 POW-LED	total 42 W	CC 3500mA @12 V-DC	120° flood	UW, 2x2,5 qmm	5.0670.00.15 max 1 5.0670.11.15 max 1
4.0299.73.12	3000K warm white	2850 lm						
4.0299.73.13	4500K neutral white	3225 lm						
4.0299.73.16	royal blue	650 mW/LED						
4.0299.73.19	RGB		9 Multichip POW-LED	all on 85 W	CC 700mA @12 V-DC	120° flood	UW, 6x1,0 + 2x0,5 qmm	5.0670.19.24 max 1
4.0299.73.41	RGB-CW cold white 6000K	coldwhite: 1590 lm	6 Multichip POW-LED	all on 60 W	CV 12 V-DC	diffus	UW, 2x2,5 + 4x0,5 qmm	5.0670.09.52 max 2
4.0299.73.42	RGB-WW warm white 3000K	warmwhite: 1220 lm						
4.0299.73.43	RGB-NW neutral white 4500K	neutralwhite: 1390 lm						
4.0299.73.44	RGB amber							

Notes

- POW-LED with beam angle spot 10°, medium 30° and wide 45° on request
- POW-LED monochrome, single colour in green, red, amber, turquoise, capriblue
- Version for the replacement of existing PAR56 lights. All common manufacturers available (cover with different hole pitch circles).
- Version without Scatter disc at RGB-W
- A new mounting bracket is required (9.0299.73.10)

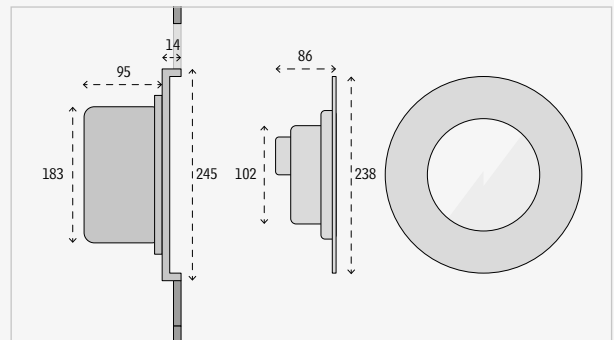
Retrofit Spotlight

4.0299.75

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Flush cover made of stainless steel 316Ti, height 2 mm
- For pools with movable floors and for flush installation
- ...
- Operating mode: constant current
 - POW-LED cold white, warm white, neutral white
 - POW-LED royal blue
 - Multichip POW-LED RGB
- Operating mode: constant voltage
 - Multichip POW-LED RGB-W
- Rotationally symmetric light distribution
- ...
- Constant-current power source/RGB controller ordered separately
- Supplied with 3 m of special underwater cable



IP68 IP69	IK08	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K BLUE	RGB RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	DALI 1-10V OPTIONAL DIMM	CABLE INCL.



Additional parts

built in pot of 316L stainless steel with 1,5 m cable duct, cable entry from side
4.0299.00.00

built in pot of 316L stainless steel with 1,5 m cable duct, cable entry from behind
4.0299.50.00

mounting bracket required for Replacement
9.0299.00.10

angular ring for flush installation, ø 245 x 14 mm
4.1367.00.00

glass disc, frosted for softer light distribution (light loss approx. -15%)
50.4.00109.138

Underwater environments only

Monochrome and dynamic illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0299.75.11	6000K cold white	3450 lm	15 POW-LED	total 42 W	CC 3500mA @12 V-DC	120° flood	UW, 2x2,5 qmm	5.0670.00.15 max 1 5.0670.11.15 max 1
4.0299.75.12	3000K warm white	2850 lm						
4.0299.75.13	4500K neutral white	3225 lm						
4.0299.75.16	royal blue	650 mW/LED						
4.0299.75.19	RGB		9 Multichip POW-LED	all on 85 W	CC 700mA @12 V-DC	120° flood	UW, 6x1,0 + 2x0,5 qmm	5.0670.19.24 max 1
4.0299.75.41	RGB-CW cold white 6000K	coldwhite: 1590 lm	6 Multichip POW-LED	all on 60 W	CV 12 V-DC	diffus	UW, 2x2,5 + 4x0,5 qmm	5.0670.09.52 max 2
4.0299.75.42	RGB-WW warm white 3000K	warmwhite: 1220 lm						
4.0299.75.43	RGB-NW neutral white 4500K	neutralwhite: 1390 lm						
4.0299.75.44	RGB amber							

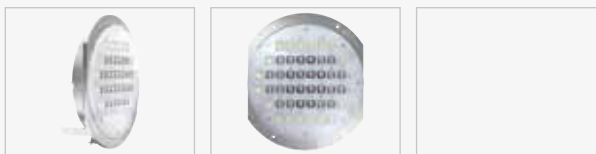
Notes

- POW-LED with beam angle spot 10°, medium 30° and wide 45° on request
- POW-LED monochrome, single colour in green, red, amber, turquoise, capriblue
- Version without Scatter disc at RGB-W
- A new mounting bracket is required (9.0299.00.10)
- for flush installation only with angular ring 4.1367.00.00

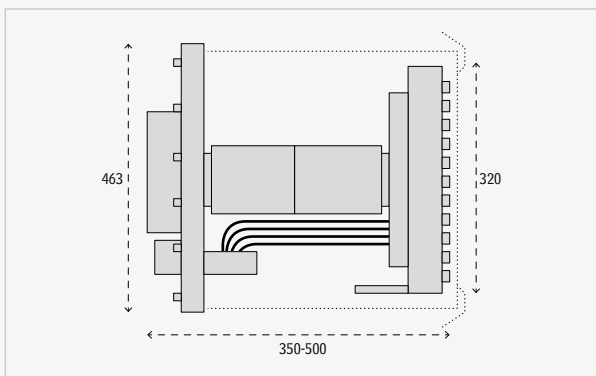
Retrofit-Insert for 4.2000

4.2012

- Retrofit insertion for installation in existing spotlights 4.2000 for retrofitting halogen to LED
- Entirely made of high-quality anodised aluminium
- ...
- HIGH-POW-LED white 12 V-DC
- Light distribution especially for swimming pool lighting
- Wide- and deep beam angle
- ...
- Delivered ready for connection with end cover
- Constant-voltage power source is preassembled (incl.)



ALU	POW-LED INCL.	3.000 K 4.500 K 6.000 K	CONSTANT VOLTAGE KONSTANT SPANNUNG	CABLE INCL.	max 3m	←	CE
III							



Underwater environments only

Monochrome illumination

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect
4.2012.00.11	6500K cold white	25000 lm	High-POW-LED	total 170 W	CV 12 V-DC	flood	incl.	integrated
4.2012.00.12	3000K warm white	20110 lm						
4.2012.00.13	4000K neutral white	21680 lm						

Notes

- Replacement/exchange requires separate agreements.

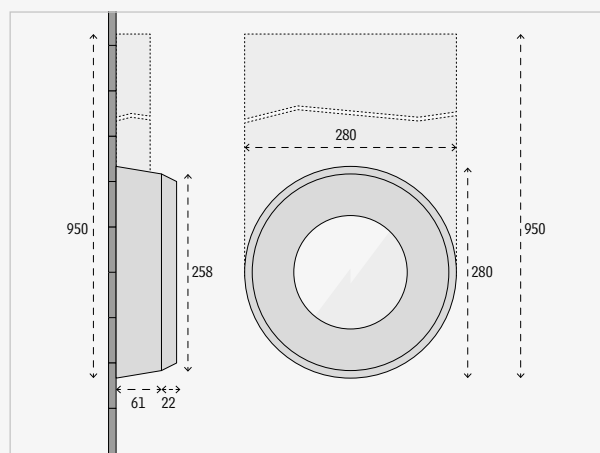
Swimming pool Light

4.0291.58/57

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Round attachment cover, made of stainless steel 316Ti, height 2 mm
- 4.0291.58: with a moulded plastic component for retrofit installation or flexible use on the edge of the pool
- 4.0291.57: With a moulded plastic component for retrofit installation on the pool wall

...

- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 10 m of special underwater cable



Underwater environments only

Monochrome and dynamic illumination

With a moulded plastic component for retrofit installation or flexible use on the edge of the pool

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0291.58.11	6000K cold white	6900 lm	12 POW-LED	total 47 W	CC 3600mA @12 V-DC	asymmetric Mixflux	UW, 2x2,5 qmm	5.0630.01.12 max 1 5.0630.10.12 max 1 5.0630.11.12 max 1 5.0630.03.12 max 3
4.0291.58.12	3000K warm white	5640 lm						
4.0291.58.13	4500K neutral white	6036 lm						
4.0291.58.16	royal blue (450 nm)	500mW/LED						
4.0291.58.41	RGB-CW cold white 6000K	cold white: 2100 lm	12 Multichip POW-LED	all on 75 W	CC 1400mA @12 V-DC	asymmetric Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm	5.0630.09.52 max 1
4.0291.58.42	RGB-WW warm white 3000K	warm white: 1800 lm						
4.0291.58.43	RGB-NW neutral white 4500K	neutral white: 1920 lm						

With a moulded plastic component for retrofit installation on the pool wall

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0291.57.11	6000K cold white	6900 lm	12 POW-LED	total 47 W	CC 3600mA @12 V-DC	asymmetric Mixflux	UW, 2x2,5 qmm	5.0630.01.12 max 1 5.0630.10.12 max 1 5.0630.11.12 max 1 5.0630.03.12 max 3
4.0291.57.12	3000K warm white	5640 lm						
4.0291.57.13	4500K neutral white	6036 lm						
4.0291.57.16	royal blue (450 nm)	500mW/LED						
4.0291.57.41	RGB-CW cold white 6000K	cold white: 2100 lm	12 Multichip POW-LED	all on 75 W	CC 1400mA @12 V-DC	asymmetric Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm	5.0630.09.52 max 1
4.0291.57.42	RGB-WW warm white 3000K	warm white: 1800 lm						
4.0291.57.43	RGB-NW neutral white 4500K	neutral white: 1920 lm						

Notes

- POW-LED with beam angle spot 15°, medium 30°, wide 45°, flood 120°, asymmetric and elliptical 15x50° on request
- POW-LED monochrome, single colour in green, red, amber, blue, capri blue, 2700K

Further recessed spotlights

The following additional recessed spotlights are listed and available at www.wibre.de.



Recessed Spotlight

4.0087



Recessed Spotlight

4.0088



Recessed spotlight

4.0080



Recessed spotlight

4.0083



Recessed spotlight

4.0093



Swimming pool Light PAR56

4.0301



CENTUM Surface-mounted Spotlights

For lighting fountains and water-side architecture



© Place de la Navigation, Lausanne, Switzerland



Surface-mounted Spotlight

4.0050

Despite its small dimensions, the continuously swivelling miniature spotlight for illuminating small and medium-sized fountains and water features produces up to 675 lumens. Its robust stainless steel housing can withstand the effects of water even over many years. Also outside the water, where it can conjure up lighting effects on objects, the smallest spotlight in the Centum series offers limitless design possibilities with static or dynamic white light or with coloured light (RGB-W).



1:1 SCALE



4.0050 | Surface-mounted Spotlight

Up to 675 lumen – Perfect for fountains and water attractions

- Protection class IP68 – up to 3 m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Mounting foot adjustable through 90°
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Multichip POW-LED dynamic white
- Operating mode: constant current
- Rotationally symmetric light distribution
- ...
- Cable pressure sleeve, stainless steel 316Ti
- Constant-current power source/RGB controller external
- Supplied with 3m of underwater cable



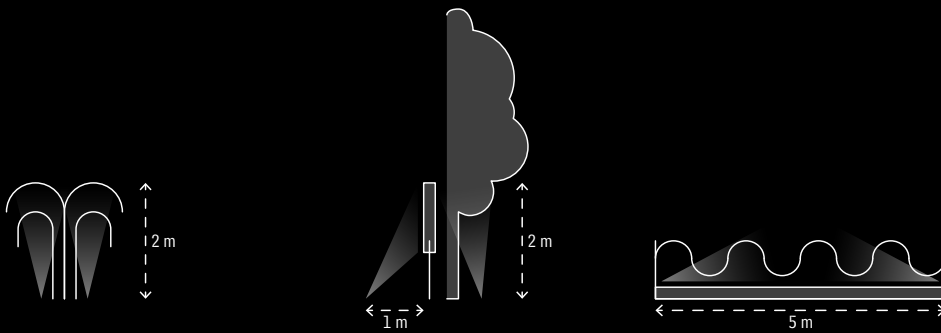
© Burgheim, Germany
Client: Brunnenmeisterei M. & S. Schreier GmbH, www.brunnenmeisterei-weimar.de



© Brunssum Lindenplein, Netherlands
Photo: Dirk-Andre Betz

Typical applications

Suitable for fountains up to a water height of 2 metres. Variable object lighting outside the water is also possible, for example in gardens. Flat water basins and trick fountains can be individually illuminated by the infinitely variable swivel spotlight.

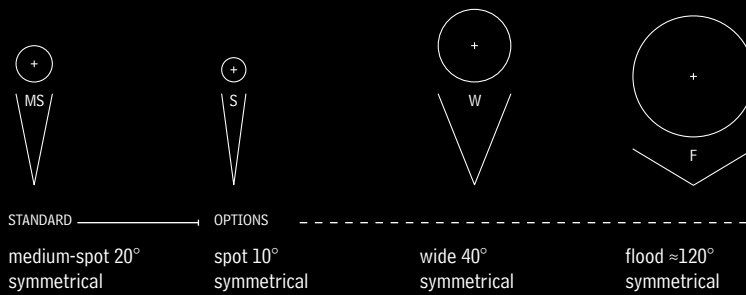


4.0050 | Surface-mounted Spotlight

Colour temperatures



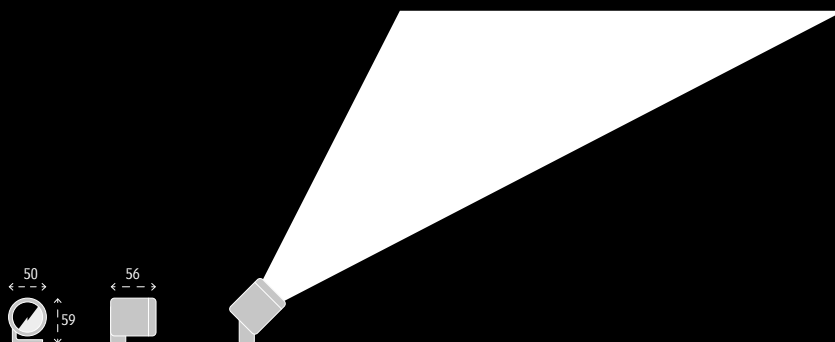
Beam angles



Additional parts



Dimensions





IP68 IP69	IK06	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K	RGB-W	DYNAMIC WHITE	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 3m	90°	CE	III
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Monochrome illumination

Under- and overwater operations

#	Color	Lumen
4.0050.30.11	6.000K cold white	675 lm
4.0050.30.12	3.000K warm white	540 lm
4.0050.30.13	4.500K neutral white	575 lm

Specifications	
LED	1 POW-LED
Watt	total 5 W
POWER	CC 350mA @12 V-DC
BEAM	20° medium-spot
CABLE	UW, 2x0,5 qmm

Control gear	Details
5.0635.65.20 max 2 (3*)	
5.0635.03.30 max 2 (4*)	→ 210
5.0635.03.31 max 2 (4*)	

Dynamic illumination

Under- and overwater operations

#	Color	Lumen
4.0050.30.41	RGB-CW cold white 6000K	cold white: 145 lm
4.0050.30.42	RGB-WW warm white 3000K	warm white: 125 lm
4.0050.30.43	RGB-NW neutral white 4500K	neutral white: 135 lm
4.0050.30.80	3000K-6000K dynamic white	250-290 lm

Specifications	
LED	1 Multichip POW-LED
WATT	all on 4 W
POWER	CC 350mA @12 V-DC
BEAM	20° medium-spot
CABLE	UW, 8x0,25 qmm

Control gear	Details
5.0635.19.52 max 6 (12*)	→ 216

Notes

- SALINE version possible - Article number with an additional „S“ at the end
- Elliptical beam angle 45x10° on request.

*Only for areas without people inside the water

Surface-mounted Spotlight

4.0100

The little powerhouse with a diameter of only 100 millimetres is a continuously swivelling all-rounder in professional quality that is just as suitable for illuminating buildings and outdoor facilities as it is for lighting fountains, trick fountains and water-jets. To this end, a choice can be made between static and dynamic white light as well as coloured staging. Four powerful LEDs ensure uniform illumination. For large applications, there is a strong version with up to 2300 lumen, for small applications a version with up to 750 lumens, which can also be used above water.





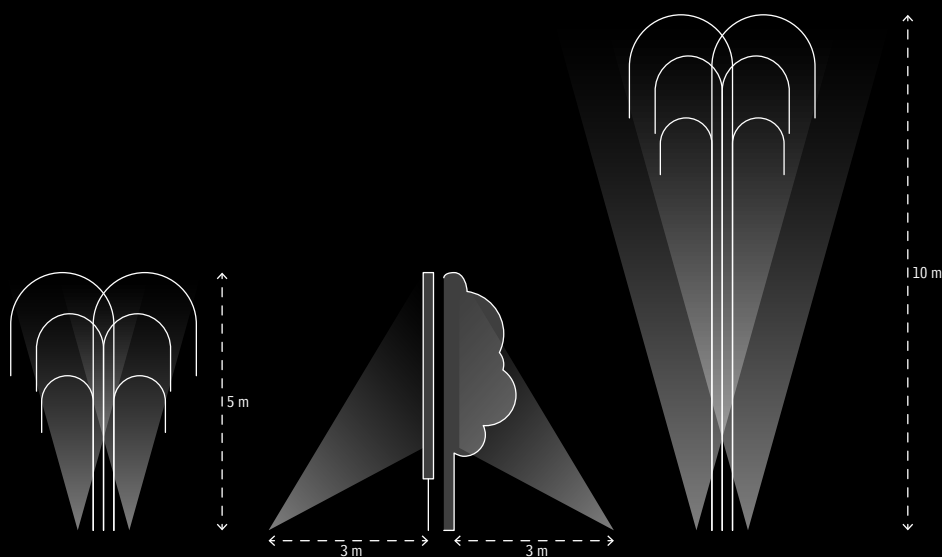
4.0100 | Surface-mounted Spotlight

Up to 2300 lumen – Perfect for fountains and water attractions

- Protection class IP68 – up to 3m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Mounting foot adjustable through 90°
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Multichip POW-LED dynamic white
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Rotationally symmetric light distribution
- ...
- Cable pressure sleeve, stainless steel 316Ti
- Constant-current power source/RGB controller external
- Supplied with 3 m of underwater cable

Typical applications

For fountains up to 5 metres high, the weak version of the spotlight is suitable. It can also be used for individual object lighting outside of the water. With the more powerful version, you can illuminate fountains up to a height of 10 metres.





© Place Jean Jaurès, Tours, France
Photo: Caroline Gasch
Partner: MW MarvalWay



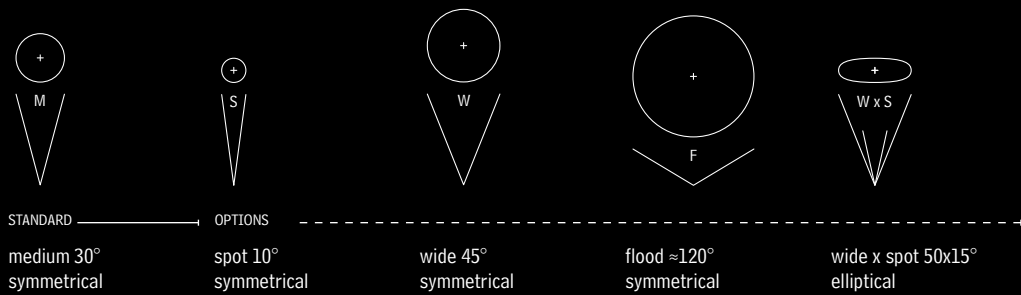
© Herrenhäuser Gärten, Hannover, Germany
Planner: Andreas Wolf, TGL Planungsgemeinschaft, Liegat Part6 mbB

4.0100 | Surface-mounted Spotlight

Colour temperatures



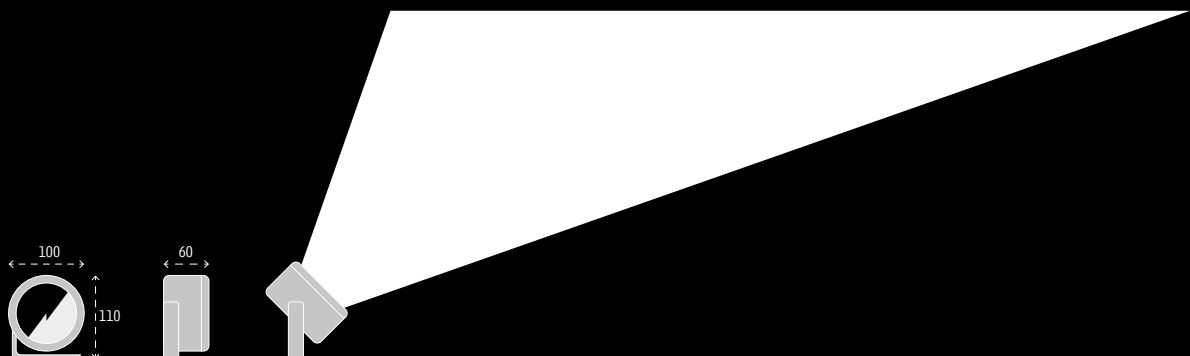
Beam angles



Additional parts



Dimensions





IP68 IP69	IK09	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K	RGB-W	DYNAMIC WHITE	DALI 1-10 V OPTIONAL DIMM	CONSTANT CURRENT KONSTANT STROM	CABLE INCL.	max 3m	90°	CE	III
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Monochrome illumination

Under- and overwater operations

#	Color	Lumen
4.0100.00.11	6000K cold white	750 lm
4.0100.00.12	3000K warm white	650 lm
4.0100.00.13	4500K neutral white	700 lm

Specifications	
LED	4 POW-LED
WATT	total 4,4 W
POWER	CC 350mA @12 V-DC
BEAM	30° medium
CABLE	UW, 2x1,5 qmm

Control gear	Details
5.0635.65.20 max 2 (3*)	
5.0635.03.30 max 2 (4*)	→ 210
5.0635.03.31 max 2 (4*)	

Underwater environments only

#	Color	Lumen
4.0100.30.11	6000K cold white	2300 lm
4.0100.30.12	3000K warm white	1880 lm
4.0100.30.13	4500K neutral white	2010 lm

Specifications	
LED	4 POW-LED
WATT	total 18 W
POWER	CC 1200mA @12 V-DC
BEAM	30° medium
CABLE	UW, 2x1,5 qmm

Control gear	Details
5.0630.10.04 max 1	
5.0630.00.04 max 1	→ 210
(without mounting housing)	

Dynamic illumination

Under- and overwater operations

#	Color	Lumen
4.0100.00.41	RGB-CW cold white 6000K	cold white: 350 lm
4.0100.00.42	RGB-WW warm white 3000K	warm white: 300 lm
4.0100.00.43	RGB-NW neutral white 4500K	neutral white: 330 lm

Specifications	
LED	4 Multichip POW-LED
WATT	all on 10 W
POWER	CC 200mA @12 V-DC
BEAM	30° medium
CABLE	UW, 8x0,25 qmm

Control gear	Details
5.0620.19.52 max 2 (4*)	→ 216

Underwater environments only

#	Color	Lumen
4.0100.30.41	RGB-CW cold white 6000K	cold white: 580 lm
4.0100.30.42	RGB-WW warm white 3000K	warm white: 500 lm
4.0100.30.43	RGB-NW neutral white 4500K	neutral white: 540 lm
4.0100.30.80	3000K-6000K dynamic white	1000-1160 lm

Specifications	
LED	4 Multichip POW-LED
WATT	all on 17 W
POWER	CC 350mA @12 V-DC
BEAM	30° medium
CABLE	UW, 8x0,25 qmm

Control gear	Details
5.0635.19.52 max 2 (4*)	→ 216

Notes

· Saline version possible on request for specific projects

*Only for areas without people inside the water

Surface-mounted Spotlight

4.0290

With its effectiveness, flexibility and high light intensity, the surface-mounted spotlight made of electro-polished stainless steel is an all-rounder for fountains up to 25 metres high, for water-jets, bridges and other waterside architecture. It goes strong with the highest possible pressure resistance (IK11) and thus withstands even the enormous pressure of falling masses of water. With its 50° symmetrical spreading angle, it illuminates the entire surface of the water. The spotlight can be used up to a water depth of 15 metres (IP68), and can withstand not only high pressure but also high jet water temperatures (IP69).



1:1 SCALE

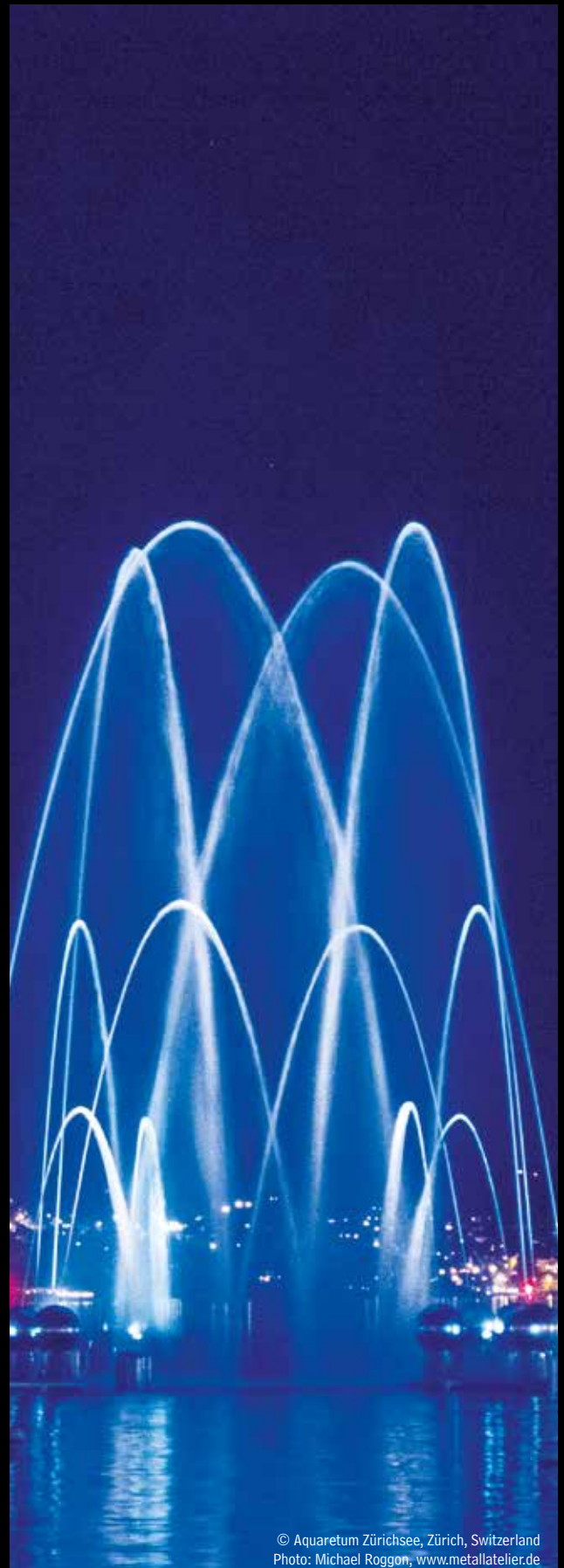


WIBRE
Made in Germany

4.0290 | Surface-mounted Spotlight

Up to 4600 lumen – Perfect for fountains and waterside architecture

- Protection class IP68 – up to 15m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Mounting foot adjustable through 90°
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Rotationally symmetric light distribution
- ...
- Constant-current power source/RGB controller external
- Supplied with 5 m of underwater cable

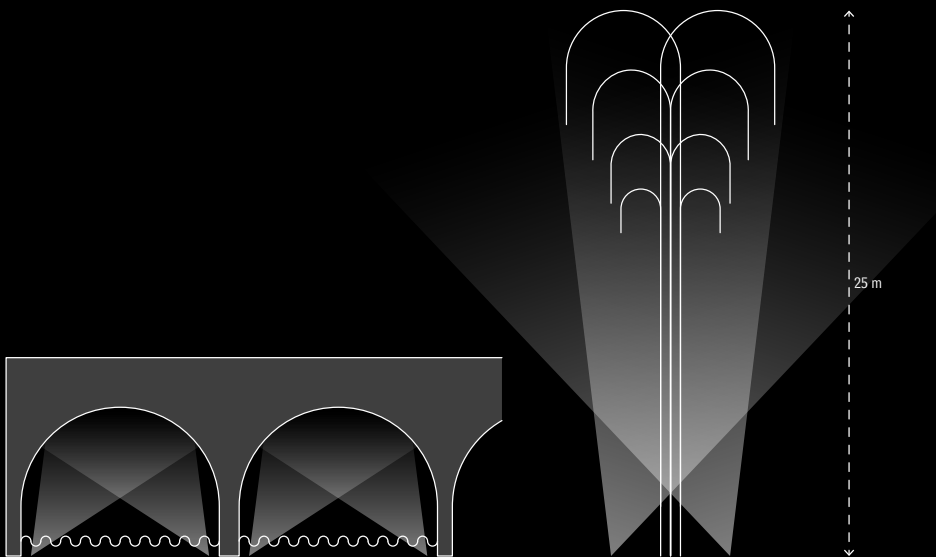


© Aquaretum Zürichsee, Zürich, Switzerland
Photo: Michael Roggon, www.metallatelier.de



Typical applications

For illuminating fountains up to a maximum height of 25 metres. The positioning and number of spotlights depends on the type of fountain - the closer the spotlight, the more intensive and accentuating the illumination. The spotlight is also ideally suited for powerful architectural lighting from the water.

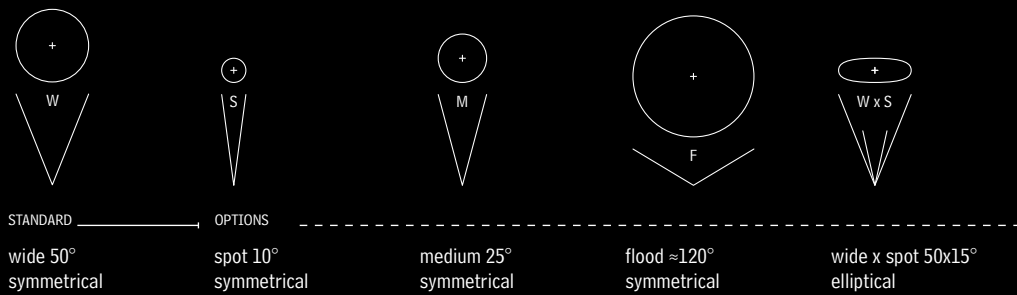


4.0290 | Surface-mounted Spotlight

Colour temperatures



Beam angles



Additional parts



OPTIONS

anti-glare louvre
black, for POW-LED

35.40290.0001



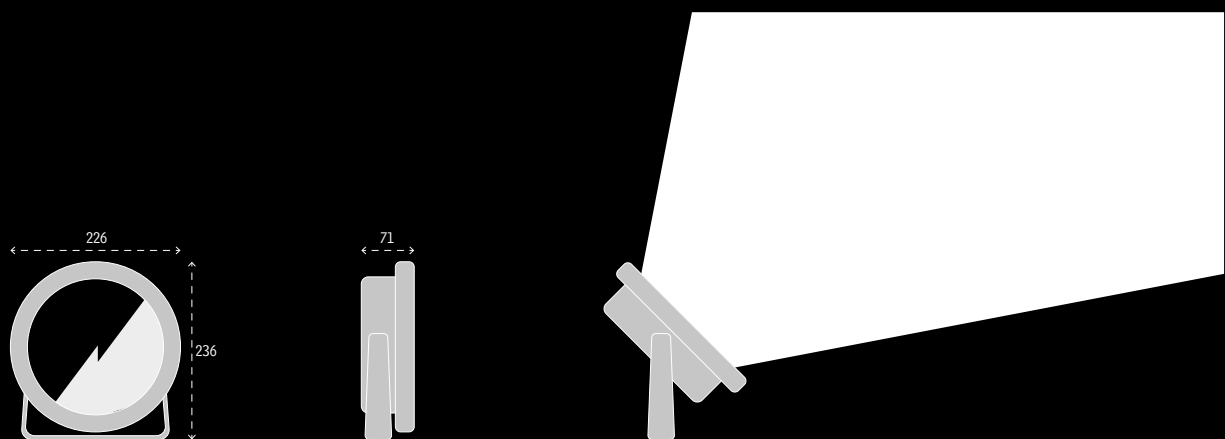
Additional disc, frosted
for softer light
distribution (light loss
approx. -15%)

9.0290.00.20

Notes

- Saline version possible on request for specific projects
- Version with integrated power supply available (230 V, housing depth 150 mm).

Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K	RGB-W	DALI 1-10 V OPTIONAL DIMM	CONSTANT CURRENT KONSTANT STROM	max 15m	CABLE INCL.	90°	CE	III	
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Monochrome illumination

Underwater environments only

#	Color	Lumen
4.0290.00.11	6.000K cold white	4600 lm
4.0290.00.12	3.000K warm white	3760 lm
4.0290.00.13	4.500K neutral white	4024 lm

Specifications	
LED	8 POW-LED
WATT	total 31 W
POWER	CC 2400mA @12 V-DC
BEAM	50° symmetrisch
CABLE	UW, 2x2,5 qmm

Control gear	Details
5.0630.10.08 max 1	→ 210
5.0630.11.08 max 1	

Dynamic illumination

Underwater environments only

#	Color	Lumen
4.0290.00.41	RGB-CW cold white 6000K	cold white: 1160 lm
4.0290.00.42	RGB-WW warm white 3000K	warm white: 1080 lm
4.0290.00.43	RGB-NW neutral white 4500K	neutral white: 1080 lm

Specifications	
LED	8 Multichip POW-LED
WATT	all on 50 W
POWER	CC 700mA @12 V-DC
BEAM	50° symmetrisch
CABLE	UW, 10x0,5 qmm

Control gear	Details
5.0670.19.52 max 1	→ 216

Surface-mounted Spotlight

4.0290.15

The generalist for above-water and underwater lighting has the same outstanding features as the 4.0290 surface-mounted spotlight. These are the highest possible pressure resistance IK11, use in water depths of up to 15 metres (IP68) and protection class IP69. The small difference is that it is available for both above and below water with direct mains connection (230V).





WIBRE
Light & Control

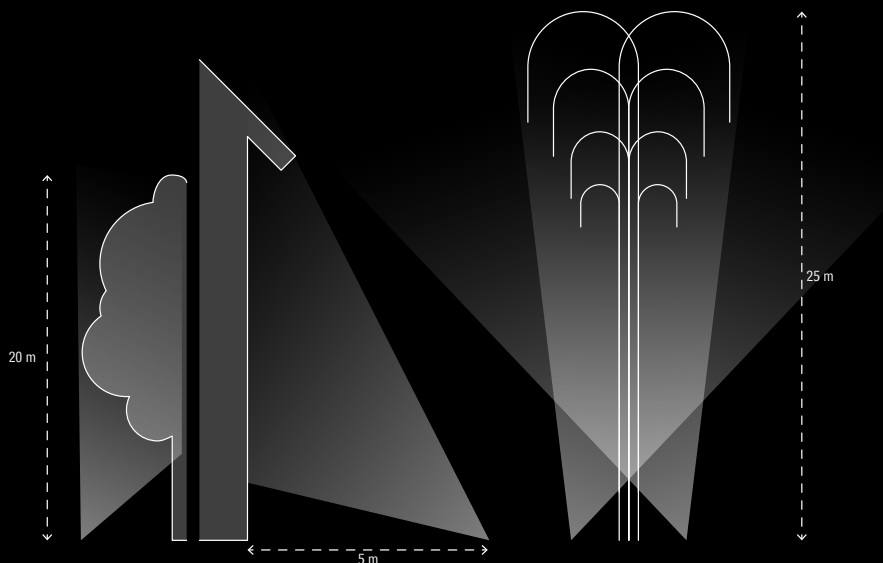
4.0290.15 | Surface-mounted Spotlight

Up to 4600 lumen – Perfect for fountains and waterside architecture

- Protection class IP68 – up to 15m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Mounting foot adjustable through 90°
- ...
- POW-LED cold white, warm white, neutral white
- Operating mode Mono: 230V
- Multichip POW-LED RGB-W
- Operating mode RGB-W: constant current
- Temperature controlled (onboard)
- Surge protection
- Rotationally symmetric light distribution
- ...
- Constant-current power source internal
- RGB-W controller external
- Supplied with 5 m of underwater cable

Typical applications

For illuminating fountains up to a maximum height of 25 metres. The positioning and number of spotlights depends on the type of fountain - the closer the spotlight, the more intensive and accentuating the illumination. The spotlight is also ideally suited for powerful architectural lighting. Depending on the version, operation above water is possible.





© Pont Neuf, Toulouse, France



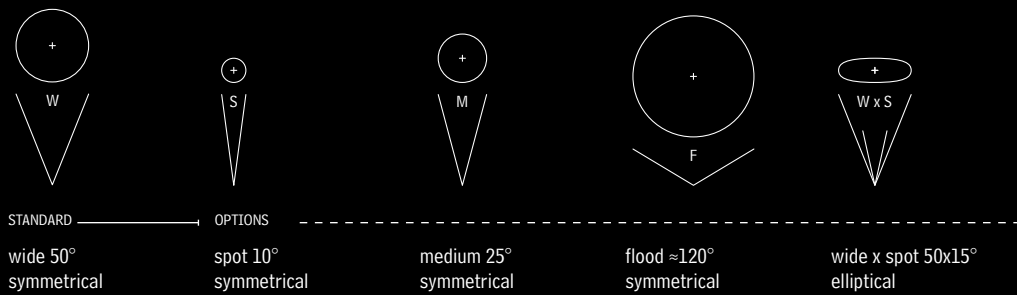
© Place de la Navigation, Lausanne, Switzerland

4.0290.15 | Surface-mounted Spotlight

Colour temperatures



Beam angles



Additional parts



anti-glare louvre
black, for POW-LED

35.40290.0001



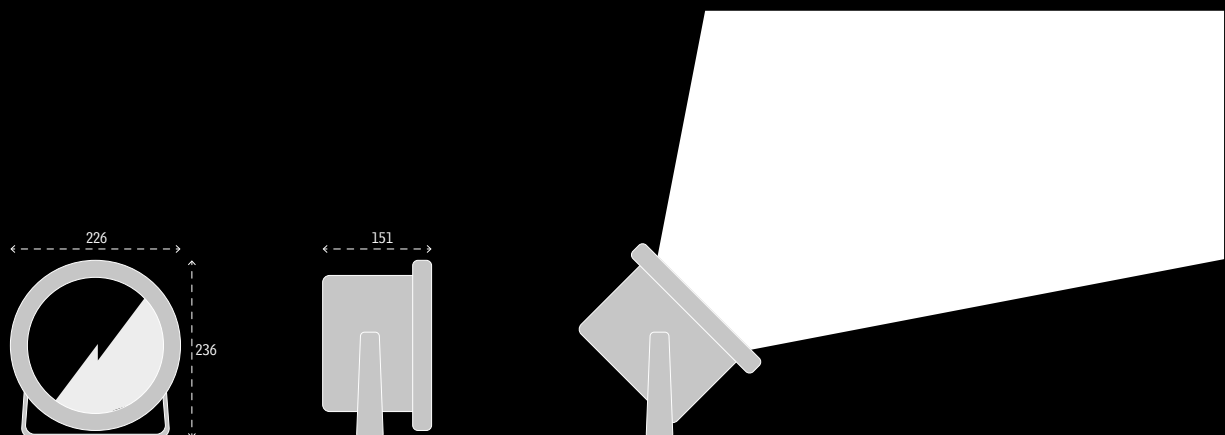
Additional disc, frosted
for softer light
distribution (light loss
approx. -15%)

9.0290.00.20

Notes

· Saline version possible on request for specific projects

Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K	RGB-W	DALI 1-10V OPTIONAL DIMM	max 15m	max 15m	CABLE INCL.	90°	CE	III	⊕
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Monochrome illumination

Under- and overwater operations

#	Color	Lumen
4.0290.15.21	6.000K cold white	3550 lm
4.0290.15.22	3.000K warm white	2900 lm
4.0290.15.23	4.500K neutral white	3100 lm

Specifications	
LED	8 POW-LED
WATT	total 26 W
POWER	230 V
BEAM	50° symmetrisch
CABLE	UW, 3x1,5 qmm

Control gear
Inclusive (230 V)

Underwater environments only

#	Color	Lumen
4.0290.15.11	6.000K cold white	4600 lm
4.0290.15.12	3.000K warm white	3760 lm
4.0290.15.13	4.500K neutral white	3760 lm

Specifications	
LED	8 POW-LED
WATT	total 35 W
POWER	230 V
BEAM	50° symmetrisch
CABLE	UW, 3x1,5 qmm

Control gear
Inclusive (230 V)

Dynamic illumination

Under- and overwater operations

#	Color	Lumen
4.0290.15.41	RGB-CW cold white 6000K	cold white: 870 lm
4.0290.15.42	RGB-WW warm white 3000K	warm white: 750 lm
4.0290.15.43	RGB-NW neutral white 4500K	neutral white: 810 lm

Specifications	
LED	8 Multichip POW-LED
WATT	all on 32 W
POWER	CC 350mA @12 V-DC
BEAM	50° symmetrisch
CABLE	UW, 10x0,5 qmm

Control gear	Details
5.0635.19.52 max 1	→ 216

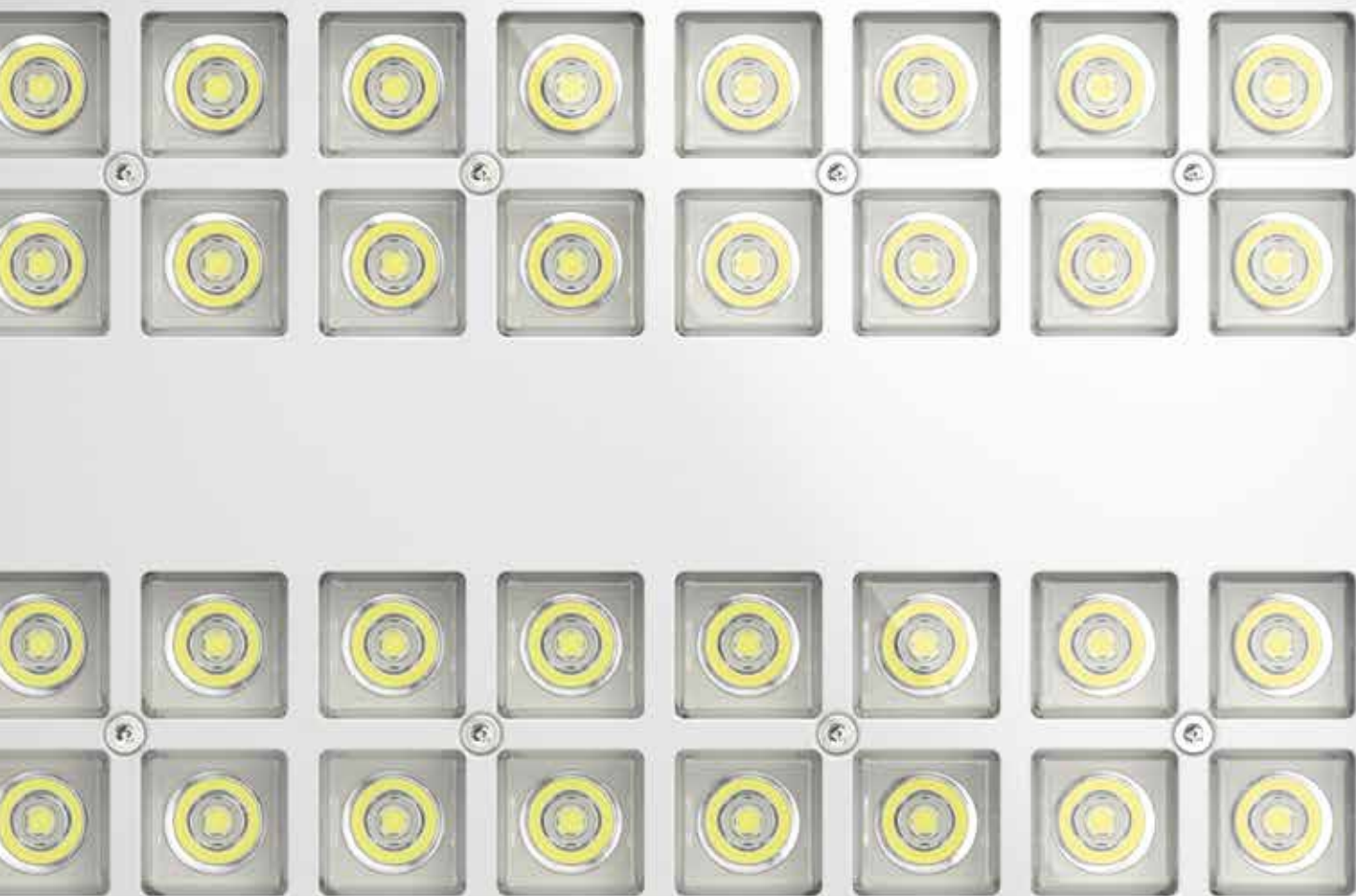
Surface-mounted Spotlight

4.0490

The dimensions and construction of the largest underwater surface-mounted spotlight in the Centum family are incomparable. With its enormous light output of almost 19,000 lumen, it illuminates high water-jets and fountains up to 50 metres high. It counters the pressure of falling water masses with the highest resistance (IK10 and IP69). Up to a depth of 25 metres, the extremely robust continuously swivelling spotlight (with fixing option) provides magical architectural lighting from the water. White and RGBW are available as light colours.



1:1 SCALE



WIBRE
Made in Germany

4.0490 | Surface-mounted Spotlight

Up to 18600 lumen – Perfect for fountains and waterside architecture

- Protection class IP68 – up to 25m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Mounting foot adjustable through 90°
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Rotationally symmetric light distribution
- ...
- Constant-current power source/RGB controller external
- Supplied with 5 m of underwater cable



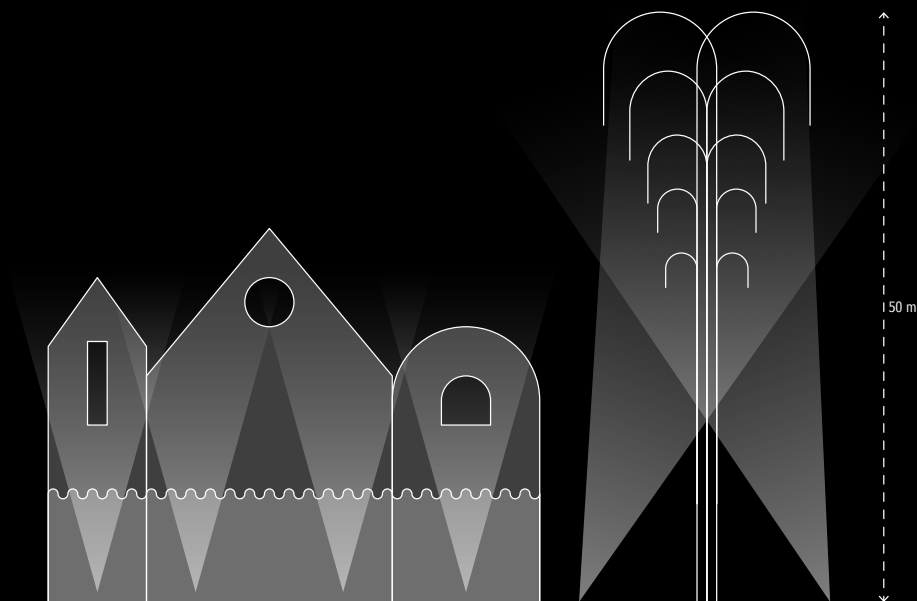
© UNDER Restaurant, Lindesnes, Norway
Partner: Luminator AS, www.luminator.no
Photo: Tomasz Majewski, www.tomaszmajewski.no



© Jet d'eau de Genève, Switzerland
Photo: Yvon Labarthe

Typical applications

For illuminating fountains up to a maximum height of 50 metres. The positioning and number of spotlights depends on the type of fountain - the closer the spotlight, the more intensive and accentuating the illumination. The spotlight is also ideally suited for powerful architectural lighting from the water.



4.0490 | Surface-mounted Spotlight

Colour temperatures



STANDARD

6000K
cold white

4500K
neutral white

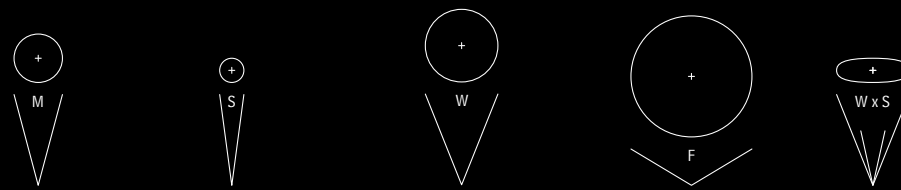
3000K
warm white

RGB-6000K
+ cold white

RGB-4500K
+ neutral white

RGB-3000K
+ warm white

Beam angles



STANDARD

medium 25°
symmetrical

OPTIONS

spot 10°
symmetrical

wide 50°
symmetrical

flood ≈120°
symmetrical

wide x spot 50x15°
elliptical

Additional parts



OPTIONS

Additional disc, frosted

for softer light distribution (light
loss approx. -15%)

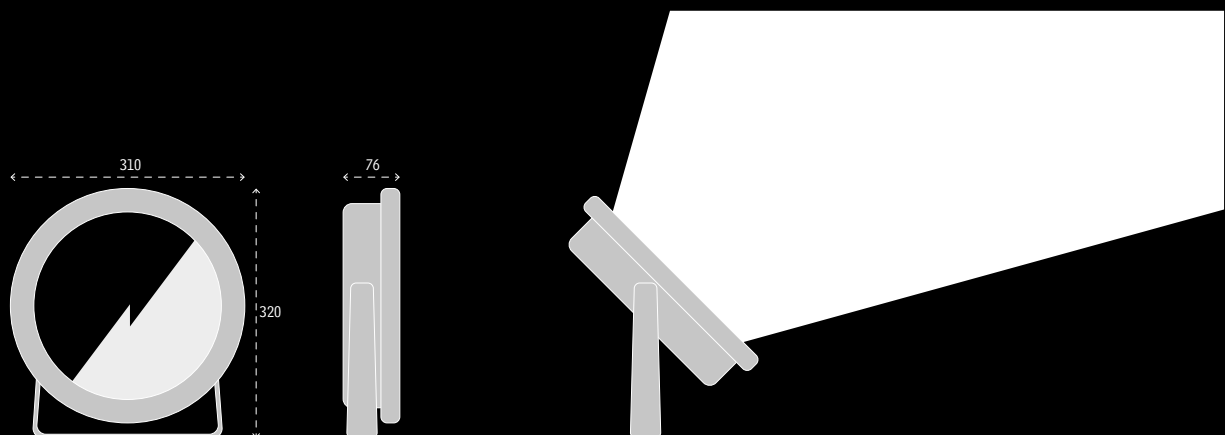
for spotlight 4.0490 and 4.0492

9.0490.00.20

Notes

- Saline version possible on request for specific projects
- Dimmable power supply units on request

Dimensions





IP68 IP69	IK10	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K	RGB-W	DALI 1-10 V OPTIONAL DIMM	CONSTANT CURRENT KONSTANT STROM	max 25m	CABLE INCL.	↓	90°	CE	III	
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Monochrome illumination

Underwater environments only

#	Color	Lumen
4.0490.00.11	6000K cold white	18600 lm
4.0490.00.12	3000K warm white	15040 lm
4.0490.00.13	4500K neutral white	16080 lm

Specifications	
LED	32 POW-LED
WATT	total 120 W
POWER	CV 12 V-DC
BEAM	25° medium
CABLE	UW, 2x4,0 qmm

Control gear	Details
5.0630.10.32 max 1	→ 210

Dynamic illumination

Underwater environments only

#	Color	Lumen
4.0490.00.41	RGB-CW cold white 6000K	cold white: 4640 lm
4.0490.00.42	RGB-CW warm white 3000K	warm white: 4020 lm
4.0490.00.43	RGB-CW neutral white 4500K	neutral white: 4320 lm

Specifications	
LED	32 Multichip POW-LED
WATT	all on 150 W
POWER	CC max 24 V-DC
BEAM	25° medium
CABLE	UW, 10x1,0 qmm

Control gear	Details
5.0670.49.52 max 1	→ 216



Surface-mounted Spotlights

Spotlights for lighting fountains and
water-side architecture as a supplement
to the CENTUM series



© Jal Mahal, Jaipur, India



Surface Spotlight

4.0240

Specially developed for lighting fountains, the spotlight is placed directly on the fountain nozzle.

It is difficult to be removed by non-professionals and is therefore largely resistant to vandalism.

Thanks to its clever design, a circular, even illumination of the water jet in white or in the most beautiful colours (RGBW) is possible.

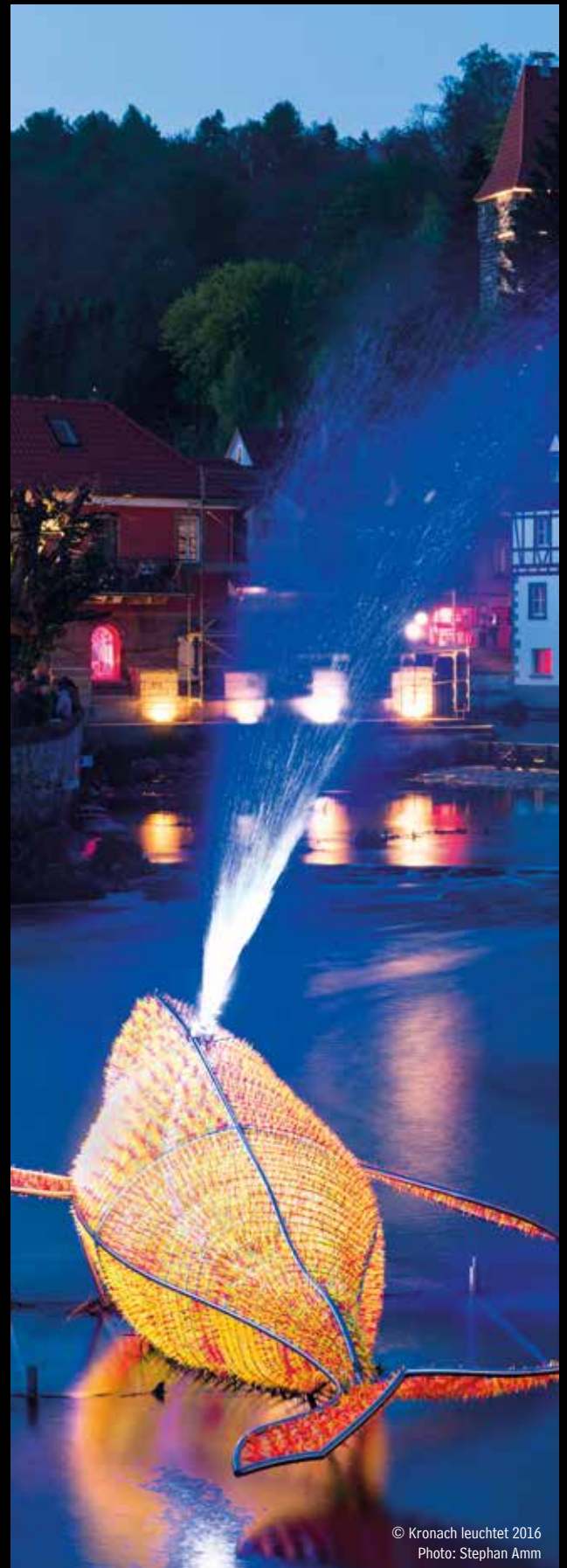


1:1 SCALE

4.0240 | Surface Spotlight

Up to 1700 lumen – Optimal for conventional fountains

- Protection class IP68 – up to 3m water depth
 - Protection class IP69 - protection against high pressure and high jet water temperatures
 - Entirely made of stainless steel 316Ti 1.4571
 - To be fitted on nozzles up to 1 inch
 - ...
 - POW-LED cold white, warm white, neutral white
 - POW-LED royal blue
 - Multichip POW-LED RGB-W
 - Operating mode: constant voltage
 - Rotationally symmetric light distribution
-
- Cable gland PG9, marine grade 316Ti stainless steel
 - Constant-voltage power source/RGB-W controller
 - Supplied with 3 m of underwater cable

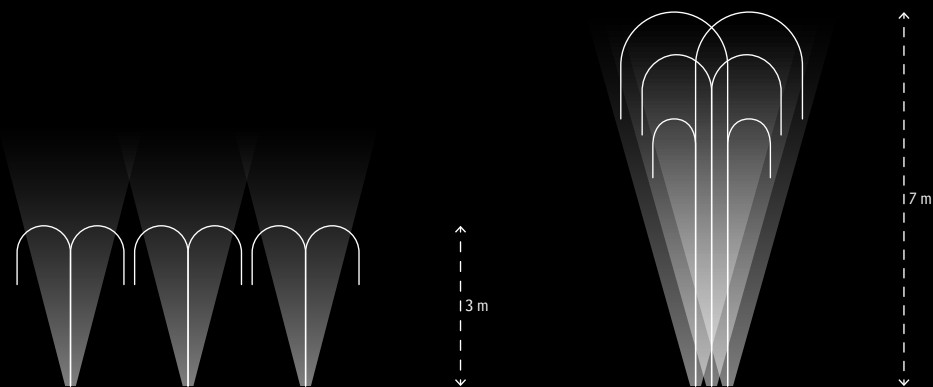


© Kronach leuchtet 2016
Photo: Stephan Amm



Typical applications

For fountains up to 7 metres high, the weak version of the spotlight is suitable. The luminaire is designed for installation on water nozzles up to 1 inch connector. For installation at ground level, the optional recessed housing can be used.

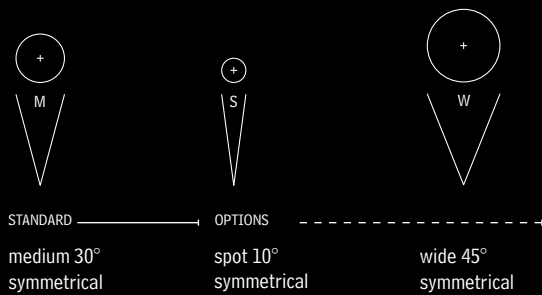


4.0240 | Surface Spotlight

Colour temperatures



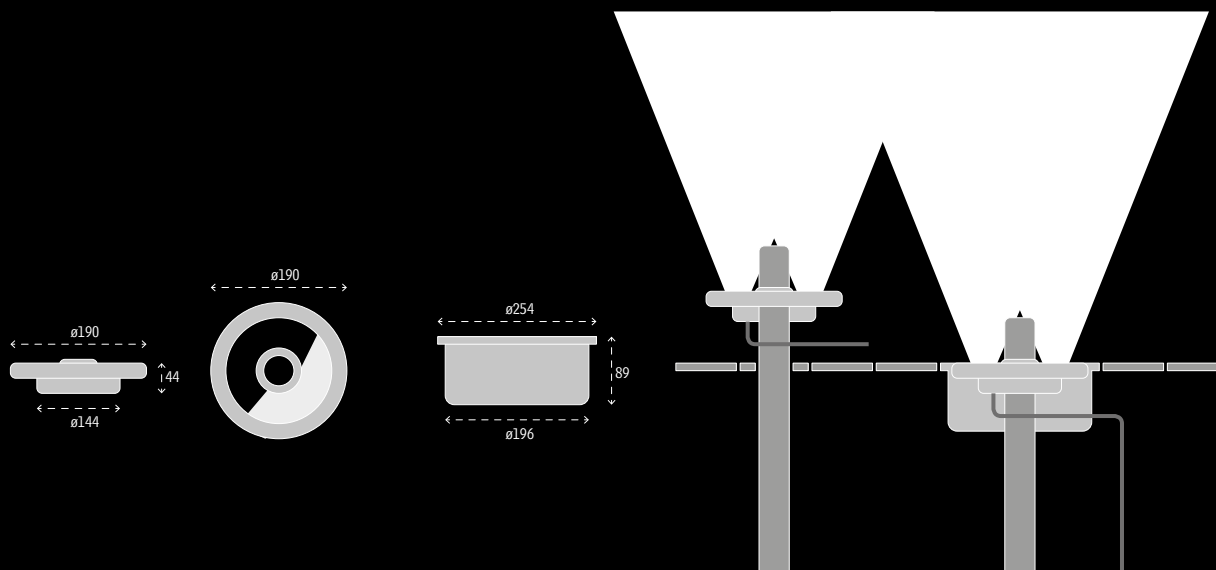
Beam angles



Notes

- Variants for other nozzle sizes on request
- 12 V-DC dimmable with dimming module 5.0690.03.15. Note: Other cable to the spotlight is required. Requires further agreements.
- Individual configuration of the LED multichips possible
- Project/installation details required.

Dimensions





IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K BLUE	RGB-W	CONSTANT VOLTAGE KONSTANT SPANNUNG	DALI 1-10 V OPTIONAL DIMM	max 3m	↓	⏏	⏏	CE	III	
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Monochrome illumination

Underwater environments only

#	Color	Lumen
4.0240.00.11	6000K cold white	1700 lm
4.0240.00.12	3000K warm white	1330 lm
4.0240.00.13	4500K neutral white	1500 lm
4.0240.00.16	460 nm royal blue	

Specifications	
LED	9 POW-LED
WATT	total 18 W
POWER	CV 12 V DC
BEAM	30° medium
CABLE	UW, 2x2,5 qmm

Control gear	Details
5.0600.65.20 max 1	
5.0600.65.61 max 3	→ 212
5.0600.65.12 max 6	

Dynamic illumination

Underwater environments only

#	Color	Lumen
4.0240.00.41	RGB-CW cold white 6000K	coldwhite: 620 lm
4.0240.00.42	RGB-WW warm white 3000K	warmwhite: 500 lm
4.0240.00.43	4500K RGB neutral white	neutralwhite: 550 lm
4.0240.00.44	RGB amber	

Specifications	
LED	3 Multichip POW-LED
WATT	all on 24 W
POWER	CV 12 V DC
BEAM	30° medium
CABLE	UW, 2x2,5 + 4x0,5 qmm

Control gear	Details
5.0670.09.52 max 4	→ 218

Installation housings



Concrete pools
with tile covering



Facing concrete pools

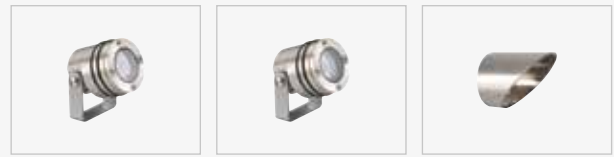
4.0240.01.00

made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in concrete

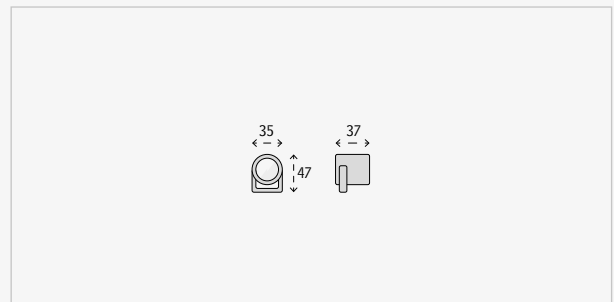
Surface-mounted Spotlight

4.0011.15

- Protection class IP68 – for a water depth of up to 3 m
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Mounting foot adjustable through 180°
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB
- Operating mode: constant current
- Rotationally symmetric light distribution
- ...
- Cable pressure sleeve, V4A stainless steel
- Temperature-resistant silicon seal
- Toughened safety glass
- Supplied with UW-cable (3 m) already connected



IP68 IP69	IK07	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K COLOR	RGB	CONSTANT CURRENT KONSTANT STROM	CABLE INCL.	DALI 1-10V OPTIONAL DIMM



Additional parts

spike	Anti-glare ring
150 mm	V4A-Edelstahl,
4.0011.50.00	ø 40 mm, Länge 50 mm
	9.0011.00.70

Under- and overwater operations

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0011.15.01	6000K cold white	165 lm	1 POW-LED	total 2 W	CC 350 mA	10° spot	UW, 2x0,5 qmm	5.0635.65.03 max 3
4.0011.15.02	3000K warm white	135 lm						5.0635.65.20 max 4-12
4.0011.15.03	4500K neutral white	155 lm						5.0635.03.30 max 7 (14*)
								5.0635.03.31 max 7 (14*)

Underwater environments only

4.0011.15.09	RGB		1 Multichip POW-LED	all on 5 W	CC 350 mA	120° flood	UW, 6x0,5 qmm	5.0635.09.16 max 4 5.0635.09.24 max 5-8 5.0635.09.50 max 5-12
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Notes

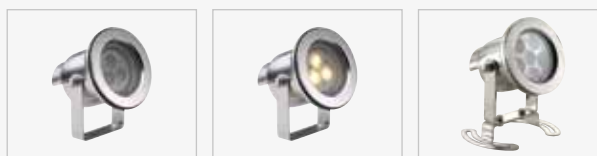
- POW-LED with beam angle spot 10°, medium 30°, wide 45°, flood 90° and elliptical 15x40°
- POW-LED, series-connected
- SALINE version possible - Article number with an additional „S“ at the end

*Only for areas without people inside the water

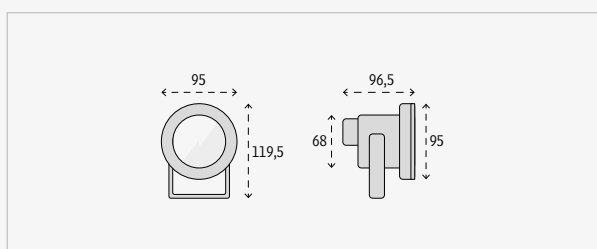
Surface Spotlight

4.0072

- Protection class IP68 – up to 3m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Mounting foot adjustable through 180°
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED blue
- POW-LED RGB
- Multichip POW-LED RGB
- Multichip POW-LED RGB-W
- Multichip POW-LED Dynamic white
- Operating mode: constant current
- Rotationally symmetric light distribution
- ...
- Screw-type cable fastener with M16x1.5, PVDF
- Constant-current power source/RGB controller external
- Supplied with lamp and 3m of underwater cable



IP68 IP69	IK09	STAINLESS STEEL V4A 1.4571 316Ti	ELECTRO POLISHED	3.000 K 4.500 K 6.000 K BLUE	RGB RGB-W	DYNAMIC WHITE	CONSTANT CURRENT KONSTANT STROM
DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 3m	180°	CE	III		



Additional parts

glass disc, frosted for softer light distribution (light loss approx. -15%) 9.0072.00.20	anti-glare louvre black, for 6 POW-LED 4.0071.01.50	anti-glare louvre black, for 3 POW-LED and halogen 4.0071.00.50
Anti-glare ring Stainless steel 316Ti, ø 102 mm, length 124 mm 9.0072.00.70	spike stainless steel, 205 mm 9.0072.20.00	Mounting plate V4A, ø125 mm, turnable +/-45° 9.0072.21.00

Notes

- POW-LED with beam angle spot 10°, medium 30°, wide 45°, flood 90° and elliptical 15x40°
- RGB-W beam angle 10° und 25°
- Internal power supply available on request
- POW-LED, series-connected
- SALINE version possible - Article number with an additional „S“ at the end
- Versions with QR-CB51 lamp available

Monochrome and dynamic illumination

Under- and overwater operations

#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
4.0072.00.11	6000K cold white	495 lm	3 POW-LED	total 5 W	CC 350 mA	30° medium	UW, 2x1,5 qmm	5.0635.65.03 max 1
4.0072.00.12	3000K warm white	405 lm						5.0635.65.20 max 2-4
4.0072.00.13	4500K neutral white	465 lm						5.0635.03.30 max 2 (4*) 5.0635.03.31 max 2 (4*)

Underwater environments only

4.0072.30.11	6000K cold white	915 lm	3 POW-LED	total 9 W	CC 700 mA	30° medium	UW, 2x1,5 qmm	5.0670.65.20 max 2
4.0072.30.12	3000K warm white	750 lm						5.0670.03.30 max 2 (3*)
4.0072.30.13	4500K neutral white	855 lm						5.0670.03.31 max 2 (3*)
4.0072.30.31	6000K cold white	1830 lm	6 POW-LED	total 17 W	CC 1400 mA	35° medium	UW, 8x0,25 qmm	5.0670.00.06 max 1
4.0072.30.32	3000K warm white	1500 lm						
4.0072.30.33	4500K neutral white	1710 lm						
4.0072.00.19	RGB		3 POW-LED	all on 5 W	CC 350 mA	30° medium	UW, 6x0,5 qmm	5.0635.09.16 max 4
4.0072.30.39			3 Multichip POW-LED	all on 28 W	CC 700 mA	45° medium		5.0670.09.18 max 2
4.0072.30.41	RGB-CW cold white 6000K	cold white: 150 lm	1 Multichip POW-LED	all on 4 W	CC 350 mA	35° medium	UW, 8x0,25 qmm	5.0635.09.52 max 12
4.0072.30.42	RGB-WW warm white 3000K	warm white: 120 lm						
4.0072.30.43	RGB-NW neutral white 4500K	neutral white: 140 lm						
4.0072.30.80	3000K-6000K dynamic white							

*Only for areas without people inside the water

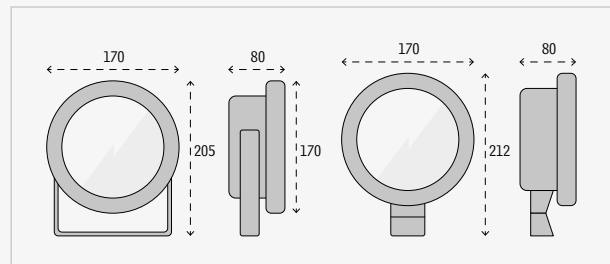
Surface-Spotlight

4.0192

- Protection class IP68 – for a water depth of up to 3 m
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti
- Mounting foot adjustable through 180° or 90°
- ...
- Operating mode: constant current
- POW-LED cold white, warm white, neutral white, CC
- POW-LED RGB
- Operating mode: constant voltage
- POW-LED cold white, warm white, neutral white, CV
- ...
- Cable gland PG13,5, marine grade 316Ti stainless steel
- Temperature-resistant silicon seal
- Toughened safety glass
- Supplied with 3 m of underwater cable



IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB	CONSTANT CURRENT CONSTANT VOLTAGE	DALI 1-10V OPTIONAL DIMM	CABLE INCL.
				CE			



Additional parts

anti-glare louvre black, for POW-LED 4.0003.02.02	glass disc, frosted for softer light distribution (light loss approx. -15%) 4.0066.01.00	spike Stainless steel, 395 mm, for mounting foot 90° 4.0305.50.00	Anti-glare ring Stainless steel 316Ti, ø 178 mm, length 203 mm 9.0192.00.70
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Monochrome and dynamic illumination

Under- and overwater operations

Cover	#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
Standard 180° adjustable	4.0192.18.01	6000K cold white	1980 lm	12 POW-LED	total 15 W	CC 350 mA	30° medium	UW, 2x1,5 qmm	5.0635.00.36 max 3 5.0635.03.30 max 1* 5.0635.03.31 max 1*
	4.0192.18.02	3000K warm white	1620 lm						
	4.0192.18.03	4500K neutral white	1860 lm						
	4.0192.18.61	6000K cold white	1980 lm						
	4.0192.18.62	3000K warm white	1620 lm						
	4.0192.18.63	4500K neutral white	1860 lm						
Standard 90° adjustable	4.0192.90.01	6000K cold white	1980 lm						
	4.0192.90.02	3000K warm white	1620 lm						
	4.0192.90.03	4500K neutral white	1860 lm						
	4.0192.90.61	6000K cold white	1980 lm						
	4.0192.90.62	3000K warm white	1620 lm						
	4.0192.90.63	4500K neutral white	1860 lm						
Standard 180° adjustable	4.0192.18.09	RGB		12 POW-LED	all on 19 W	CC 350 mA	30° medium	UW, 6x1,0 + 2x0,5 qmm	5.0635.09.50 max 3
Standard 90° adjustable	4.0192.90.09	RGB		12 POW-LED	all on 19 W	CC 350 mA	30° medium	UW, 6x1,0 + 2x0,5 qmm	5.0635.09.50 max 3

Underwater environments only

Standard 180° adjustable	4.0192.18.39	RGB		12 POW-LED	all on 34 W	CC 700 mA	30° medium	UW, 6x1,0 + 2x0,5 qmm	5.0670.09.18 max 1
Standard 90° adjustable	4.0192.90.39	RGB		12 POW-LED	all on 34 W	CC 700 mA	30° medium	UW, 6x1,0 + 2x0,5 qmm	5.0670.09.18 max 1

*Only for areas without people inside the water

Notes

- Beam Angle: POW-LED: 10°, 30°, 45°
- POW-LED in parallel connection at 12 V-DC
- POW-LED, series-connected at 350 mA
- 12 V-DC dimmable with dimming module 5.0690.03.15. Note: Other cable to the spotlight is required. Requires further agreements.
- SALINE version possible - Article number with an additional „S“ at the end

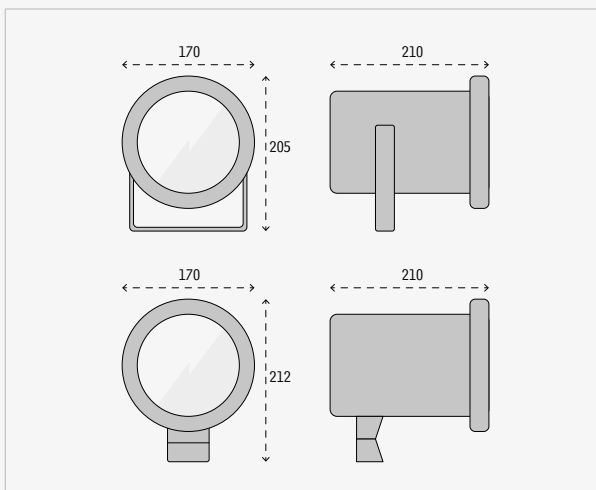
Surface-mounted Spotlight

4.0195

- Protection class IP68 – for a water depth of up to 3 m
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti
- Mounting foot adjustable through 180° or 90°
- ...
- POW-LED cold white, warm white, neutral white, 230 V
- ...
- Cable gland PG13,5, marine grade 316Ti stainless steel
- Temperature-resistant silicon seal
- Toughened safety glass
- Supplied with light source and 3 m of underwater cable



IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	230 V	CABLE INCL.	↕	↓
↻ 180°	↻ 90°	CE					



Additional parts

anti-glare louvre black, for POW-LED 4.0003.02.01	glass disc, frosted for softer light distribution (light loss approx. -15%) 4.0066.01.00	spike Stainless steel, 395 mm, for mounting foot 90° 4.0305.50.00	Anti-glare ring Stainless steel 316Ti, ø 178 mm, length 203 mm 9.0192.00.70
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Monochrome illumination

Under- and overwater operations

Cover	#	Color	Lumen	LED	Watt	Power	Beam	Cable
Standard 180° adjustable	4.0195.18.01	6000K cold white	1980 lm	12 POW-LED	total 15 W	230V	30° medium	UW, 3x1,5 qmm
	4.0195.18.02	3000K warm white	1620 lm					
	4.0195.18.03	4500K neutral white	1860 lm					
Standard 90° adjustable	4.0195.90.01	6000K cold white	1980 lm					
	4.0195.90.02	3000K warm white	1620 lm					
	4.0195.90.03	4500K neutral white	1860 lm					

Notes

- Beam Angle: POW-LED: 10°, 30°, 45°
- Not to be used at accessible areas. (mains voltage 230V)
- SALINE version possible - Article number with an additional „S“ at the end
- Versions with HIT-TC-CE lamp available

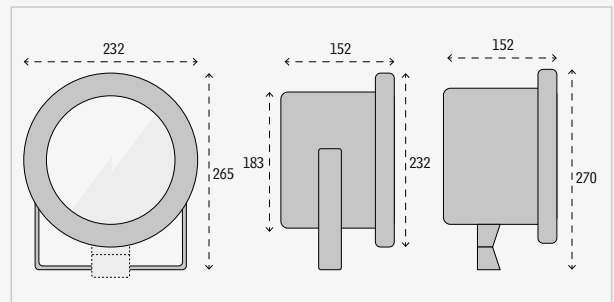
Surface Spotlight

4.0365

- Protection class IP68 – up to 3m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Mounting foot adjustable through 180° or 90°
- ...
- Operating mode: constant current
- POW-LED cold white, warm white, neutral white, CC
- POW-LED RGB
- Operating mode: constant voltage
- POW-LED cold white, warm white, neutral white, CV
- Multichip POW-LED RGB-W
- POW-LED-Platine temperature control (NTC)
- ...
- Cable gland PG16/21, marine grade 316Ti stainless steel
- Temperature-resistant silicon seal
- Toughened safety glass
- Supplied with 3 m cable



IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	DALI 1-10V OPTIONAL DIMM	180°
		CE					



Notes

- Beam Angle: POW-LED: 10°, 30°, 45°
- POW-LED monochrome, single colour in green, red, amber, blue
- Please order the double cable gland for ring assembly separately (not for constant current 350 mA)
- 12 V-DC dimmable with dimming module 5.0690.03.15. Note: Other cable to the spotlight is required. Requires further agreements.
- Water depths of up to 30 m available (Special version)
- Individual configuration of the LED multichips possible
- SALINE version possible - Article number with an additional „S“ at the end

Additional parts

double cable gland made of V4A-stainless steel 4.0004.40.16	glass disc, frosted for softer light distribution (light loss approx. -15%) for lock ring 4.0230.01.00	spike Stainless steel, 395 mm, for mounting foot 90° 4.0305.50.00
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Monochrome and dynamic illumination

Under- and overwater operations

Version	#	Color	Lumen	LED	Watt	Power	Beam	Cable	Connect → 208
Standard 180° adjustable	4.0362.00.01	6000K cold white	5940 lm	36 POW-LED	total 43 W	CC 350 mA	30° medium	UW, 6x1,0 + 2x0,5 qmm	5.0635.00.36 max 1
	4.0362.00.02	3000K warm white	4860 lm						
	4.0362.00.03	4500K neutral white	5580 lm						
	4.0362.00.61	6000K cold white	5940 lm						
	4.0362.00.62	3000K warm white	4860 lm						
Standard 90° adjustable	4.0365.00.01	6000K cold white	5940 lm						
	4.0365.00.02	3000K warm white	4860 lm						
	4.0365.00.03	4500K neutral white	5580 lm						
	4.0365.00.61	6000K cold white	5940 lm						
	4.0365.00.62	3000K warm white	4860 lm						
Standard 180° adjustable	4.0362.00.09			36 POW-LED	all on 43 W	CC 350 mA	30° medium	UW, 6x1,0 + 2x0,5 qmm	5.0635.09.50 max 1
Standard 90° adjustable	4.0365.00.09								

Underwater environments only

Standard 180° adjustable	4.0362.00.41	RGB-CW cold white 6000K	coldwhite: 2720 lm	12 Multichip POW-LED	all on 110 W	12 V DC	30° medium	UW, 2x2,5 + 4x0,5 qmm	5.0670.09.52 max 1
	4.0362.00.42	RGB-WW warm white 3000K	warmwhite: 2095 lm						
	4.0362.00.43	RGB-NW neutral white 4500K	neutralwhite: 2385 lm						
	4.0362.00.44	RGB amber							
Standard 90° adjustable	4.0365.00.41	RGB-CW cold white 6000K	coldwhite: 2720 lm						
	4.0365.00.42	RGB-WW warm white 3000K	warmwhite: 2095 lm						
	4.0365.00.43	RGB-NW neutral white 4500K	neutralwhite: 2385 lm						
	4.0365.00.44	RGB amber							

Further surface-mounted spotlights

The following additional surface mounted spotlights are listed and available at www.wibre.de.



Surface-mounted Spotlight

4.0086



Surface-mounted Spotlight

4.0095



Recessed Spotlights

For the illumination of
architecture and urban spaces



© Stavros Niarchos Foundation Cultural Center, Athen, Greece
Lighting Design: ARUP
Lighting Supplier: Foss SA
Installer: Joint Venture Salini Impregilo-TERNA
Design Architect: Renzo Piano Building Workshop
Photos: The Dark Room Photo Production Ltd



Recessed spotlight

4.0011

The high-quality durable miniature spotlight for above-water recessed floor installation is the smallest of its kind and has been one of the best-sellers for years. Its aluminium body is topped by a visible stainless steel light shade. Its areas of application include light accents on walls, general effect lighting outdoors and in public places, and orientation lighting. It achieves all this with a compact LED that consumes only two watts.



1:1 SCALE



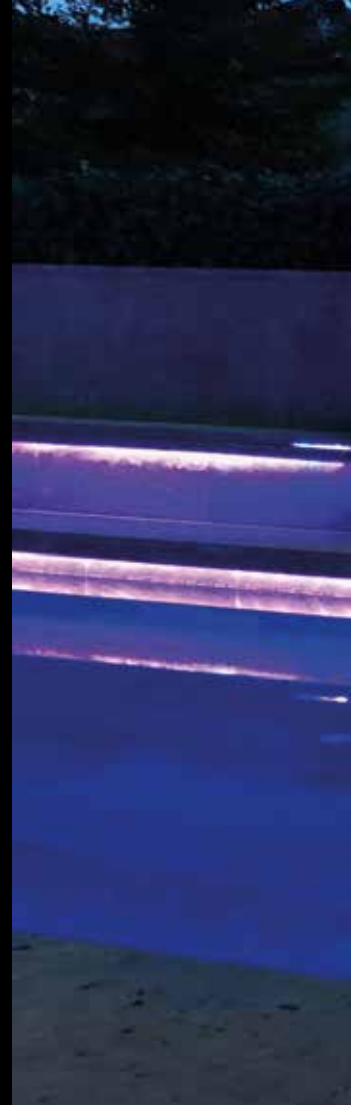
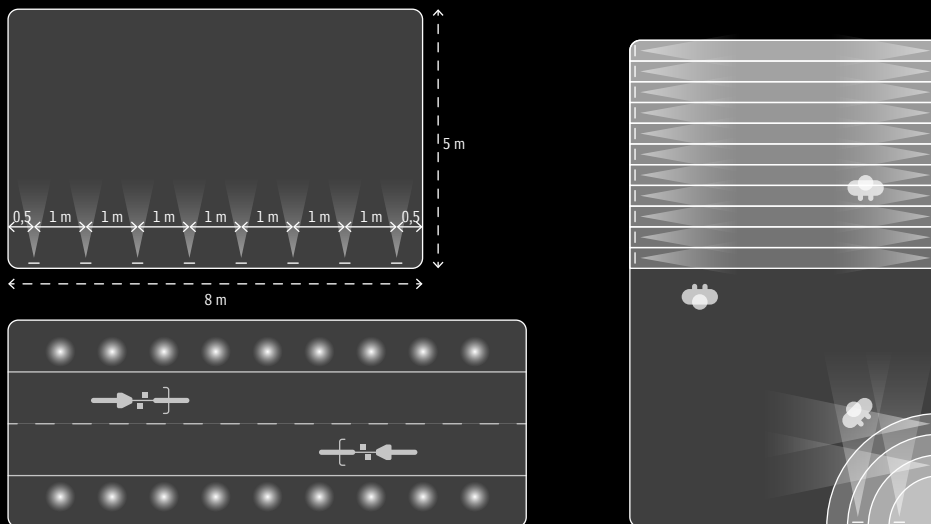
4.0011 | Recessed spotlight

Very low energy consumption – Ideal for accent lighting

- Protection class IP67
- Cover made of stainless steel 316Ti
- Housing made of anodised aluminium
- Flush-mounted cover, round or square cover
- Toughened safety glass (ESG) – withstands loads of up to 650 kg
- ...
- POW-LED cold white, warm white, neutral white
- Operating mode: constant current
- ...
- For floor and wall installation with aluminium installation sleeve
- Supplied with installation sleeve and 3 m of connecting cable

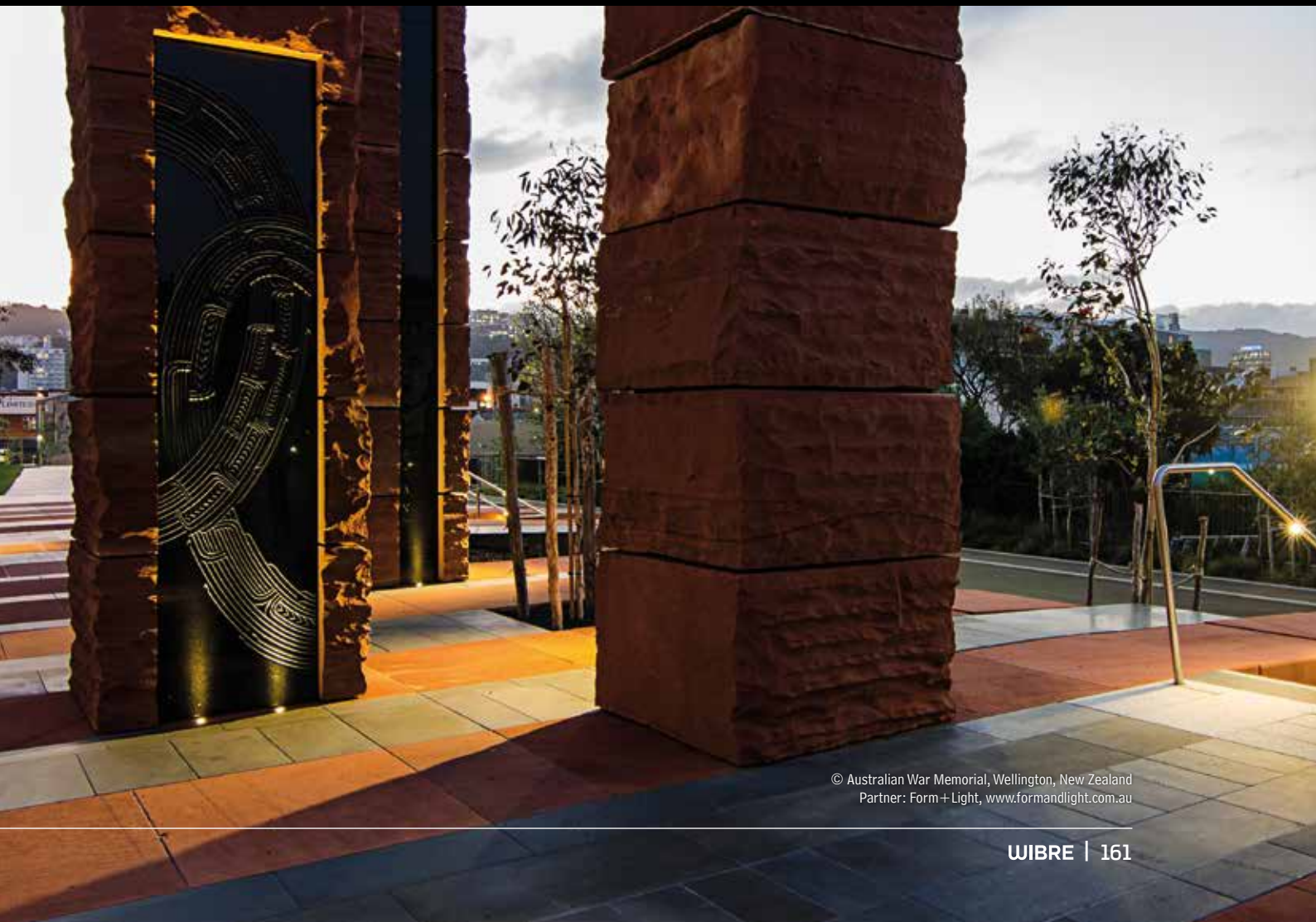
Typical applications

To accentuate facades and walls, the luminaires are used at a distance of 0.5 to a maximum of 1 metre directly in front of the wall. Lateral installation in staircases for safe illumination of steps can be done in parallel at each level or alternately at every second level from the left and right. For orientation lighting in plain areas, the version with diffuse light distribution should be used.





© Private Villa, Germany
Architect: Robert Rappold Architekten, www.robert-rappold-architekten.de
Photo: Robert Rappold



© Australian War Memorial, Wellington, New Zealand
Partner: Form+Light, www.formandlight.com.au

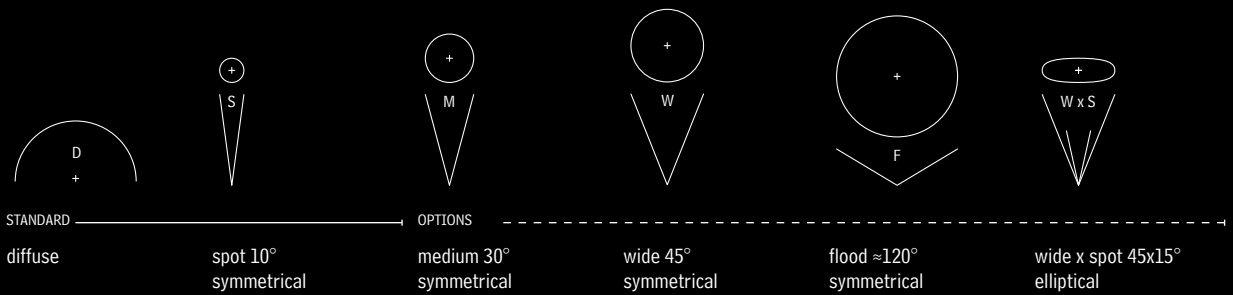
4.0011 | Recessed spotlight

Colour temperatures



STANDARD			OPTIONS			
6000K cold white	4500K neutral white	3000K warm white	red	green	blue	yellow

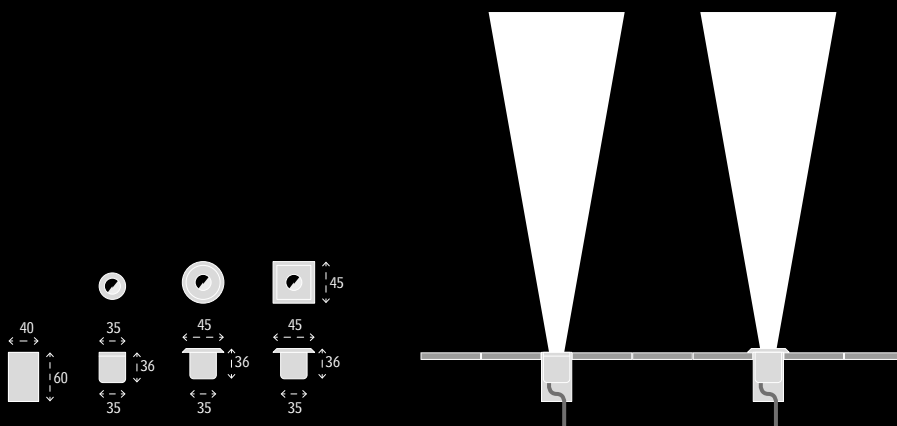
Beam angles



Notes

- marine grade 316L stainless steel housing on request
- POW-LED, series-connected
- Glass surface temperature below 40° (Cool Contact)

Dimensions





Monochrome illumination

Beam Angle 10° (spot)

Cover	#	Color	Lumen
Flush cover	4.0011.10.01	6000K cold white	165 lm
	4.0011.10.02	3000K warm white	135 lm
	4.0011.10.03	4500K neutral white	155 lm
Round Cover	4.0011.20.01	6000K cold white	165 lm
	4.0011.20.02	3000K warm white	135 lm
	4.0011.20.03	4500K neutral white	155 lm
Square Cover	4.0011.40.01	6000K cold white	165 lm
	4.0011.40.02	3000K warm white	135 lm
	4.0011.40.03	4500K neutral white	155 lm

Specifications	
LED	1 POW-LED
WATT	total 2 W
POWER	CC 350 mA
BEAM	10° spot
CABLE	UW, 2x0,5 qmm

Control gear	Details
5.0635.65.03 max 3	→ 214
5.0635.65.20 max 12	

Beam Angle homogeneous diffuse

Cover	#	Color	Lumen
Flush cover	4.0010.10.01	6000K cold white	165 lm
	4.0010.10.02	3000K warm white	135 lm
	4.0010.10.03	4500K neutral white	155 lm
Round Cover	4.0010.20.01	6000K cold white	165 lm
	4.0010.20.02	3000K warm white	135 lm
	4.0010.20.03	4500K neutral white	155 lm
Square Cover	4.0010.40.01	6000K cold white	165 lm
	4.0010.40.02	3000K warm white	135 lm
	4.0010.40.03	4500K neutral white	155 lm

Specifications	
LED	1 POW-LED
WATT	total 2 W
POWER	CC 350 mA
BEAM	homogen diffus
CABLE	UW, 2x0,5 qmm

Control gear	Details
5.0635.65.03 max 3	→ 214
5.0635.65.20 max 12	

Recessed spotlight

4.0026

In the home and garden, in hotels and many other applications, the small recessed floor spotlight with stainless steel cover, which is also used in wall areas, sets accents. Its particularly good cost-performance ratio is achieved by its sufficient lighting power combined with a cost effective investment. For easy and clean installation, it is supplied with a standard flush-mounted box. A diffuse spreading variant is available for orientation lighting on paths.



1:1 SCALE



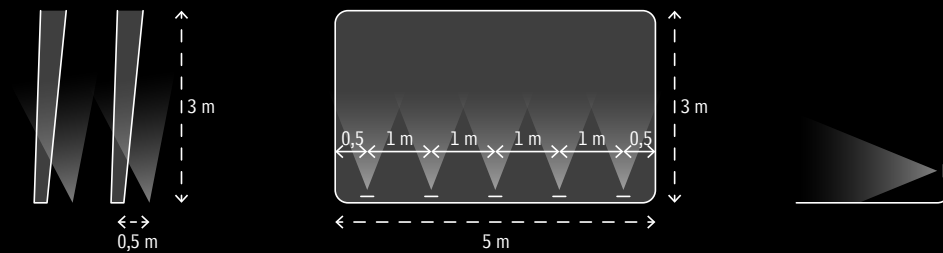
4.0026 | Recessed spotlight

Up to 495 lumen – Ideal as orientation light

- Protection class IP67
- Cover made of stainless steel 316Ti
- Housing made of anodised aluminium
- Round or square attachment cover, height 3 mm
- Toughened safety glass (ESG) – withstands loads of up to 650 kg
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED RGB
- Operating mode: constant current
- ...
- For floor installation with a plastic installation container
- Supplied with plastic installation container and 3 m of connecting cable

Typical applications

For the illumination of walls, the luminaires are used at a distance of about 1 metre with a small clearance from the wall. A lateral installation in the lower wall area is used for glare-free orientation lighting of public paths. For orientation lighting in open areas, the version with diffuse light distribution is used.





© Hofgut Liederbach, Liederbach, Germany



© Hofgut Liederbach, Liederbach, Germany

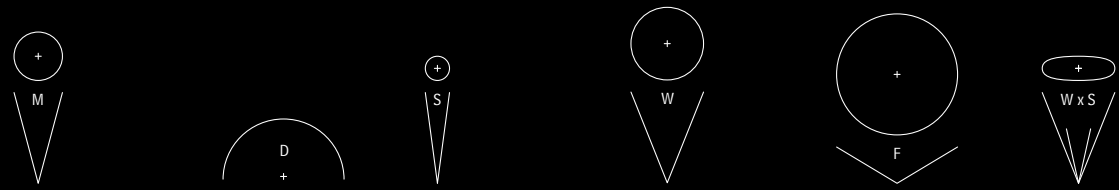
4.0026 | Recessed spotlight

Colour temperatures



STANDARD			OPTIONS					
6000K cold white	4500K neutral white	3000K warm white	RGB	red	green	blue	yellow	2700 K

Beam angles

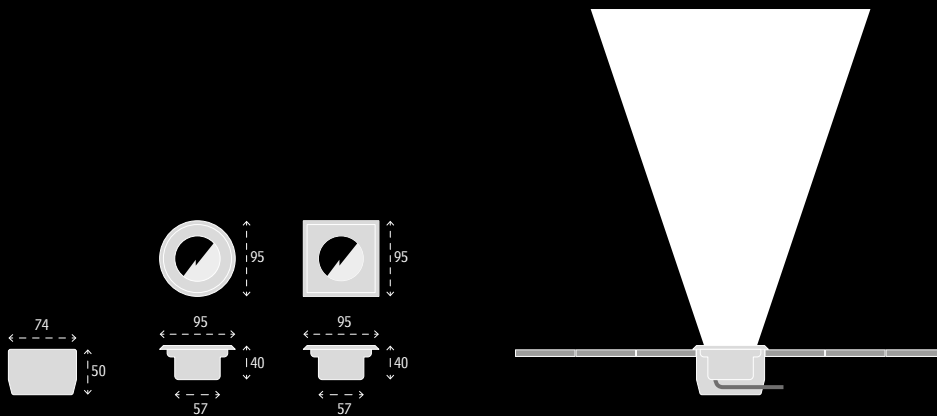


STANDARD		OPTIONS			
medium 30° symmetrical	diffus	spot 10° symmetrical	wide 45° symmetrical	flood ~120° symmetrical	wide x spot 40x15° elliptical

Notes

- marine grade 316L stainless steel housing on request
- POW-LED, series-connected
- Glass surface temperature below 40° (Cool Contact)

Dimensions





IP67	IK08	STAINLESS STEEL V4A 1.4571 316Ti	ALU	3.000 K 4.500 K 6.000 K RGB	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	650kg	↑	↻	↕	CABLE INCL.	CE	III	
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Monochrome illumination

Beam Angle 30° (medium)

Cover	#	Color	Lumen
Round Cover	4.0026.20.11	6000K cold white	495 lm
	4.0026.20.12	3000K warm white	405 lm
	4.0026.20.13	4500K neutral white	465 lm
Square Cover	4.0026.40.11	6000K cold white	495 lm
	4.0026.40.12	3000K warm white	405 lm
	4.0026.40.13	4500K neutral white	465 lm

Specifications	
LED	3 POW-LED
WATT	total 5 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 2x0,5 qmm
TEMP.	< 40°C

Control gear	Details
5.0635.65.03 max 1	→ 214
5.0635.65.20 max 2-4	

Beam Angle homogeneous diffuse

Cover	#	Color	Lumen
Round Cover	4.0025.20.11	6000K cold white	165 lm
	4.0025.20.12	3000K warm white	135 lm
	4.0025.20.13	4500K neutral white	155 lm
Square Cover	4.0025.40.11	6000K cold white	165 lm
	4.0025.40.12	3000K warm white	135 lm
	4.0025.40.13	4500K neutral white	155 lm

Specifications	
LED	1 POW-LED
WATT	total 2 W
POWER	CC 350 mA
BEAM	homogen diffus
CABLE	UW, 2x0,5 qmm
TEMP.	< 40°C

Control gear	Details
5.0635.65.03 max 3	→ 214
5.0635.65.20 max 5-12	

Dynamic illumination

Beam Angle 30° (medium)

Cover	#	Color	Lumen
Round Cover	4.0026.20.19	RGB	
Square Cover	4.0026.40.19	RGB	

Specifications	
LED	3 POW-LED
WATT	all on 5 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x0,5 qmm
TEMP.	< 40°C

Control gear	Details
5.0635.09.16 max 4	→ 220
5.0635.09.50 max 5-12	

Beam Angle omogeneous diffuse

Cover	#	Color	Lumen
Round Cover	4.0025.20.19	RGB	
Square Cover	4.0025.40.19	RGB	

Specifications	
LED	1 Multichip POW-LED
WATT	all on 5 W
POWER	CC 350 mA
BEAM	diffus
CABLE	UW, 6x0,5 qmm
TEMP.	< 40°C

Control gear	Details
5.0635.09.16 max 4	→ 220
5.0635.09.50 max 5-12	

Recessed spotlight

4.0071

The durable, compact recessed floor luminaire made of stainless steel with swivelling LED unit has been at the top of the popularity scale for years. In addition to its targeted powerful static or dynamic coloured illumination of walls, façades and other architectural elements, it convinces with a completely flat surface that provides safety for passers-by.



1:1 SCALE

4.0071 | Recessed spotlight

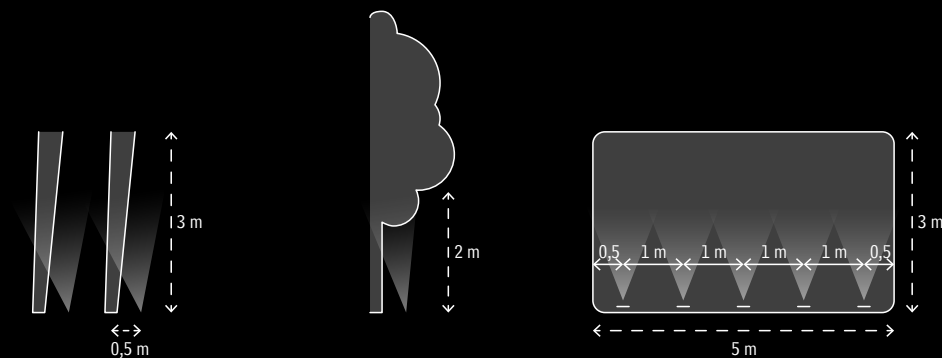
Up to 495 lumen – Very versatile light

- Protection class IP67
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti
- Round or square attachment cover, height 3mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED blue
- POW-LED RGB
- Operating mode: constant current
- 360° pivotable and +/-15° adjustable
- Rotationally symmetric light distribution
- ...
- Cable screw fixture M16
- Including installation housing made of POM plastic for wall and floor installation
- Supplied with lamp and 3 m of underwater cable
- Constant-current power source/RGB controllerexternal



Typical applications

To illuminate facades and walls, the luminaires are used at a distance of about 1 metre with a short distance from the wall. Objects, such as columns and trees, are illuminated in a targeted manner by tilting the LED unit up to a height of 2 to 3 metres.





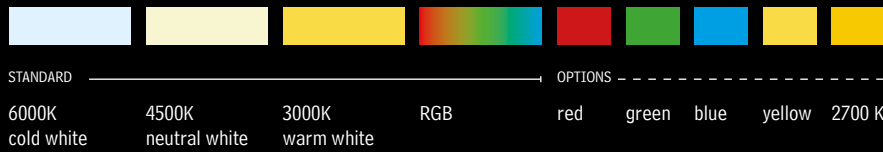
© Paradise City, CIMER SPA, Incheon, Korea
Lighting Designer: EON SLD
Lighting Supplier: SJL Corp.



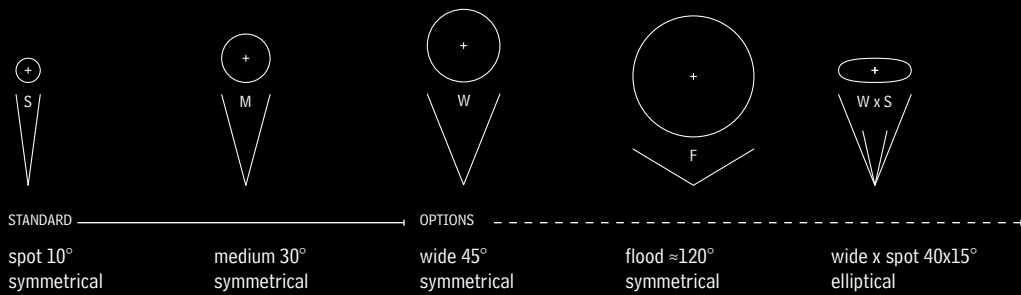
© IGLOOTEL, Arjeplog, Sweden

4.0071 | Recessed spotlight

Colour temperatures



Beam angles



Additional parts



OPTIONS

glass disc, frosted
for softer light
distribution (light loss
approx. -15%)
4.0071.00.20

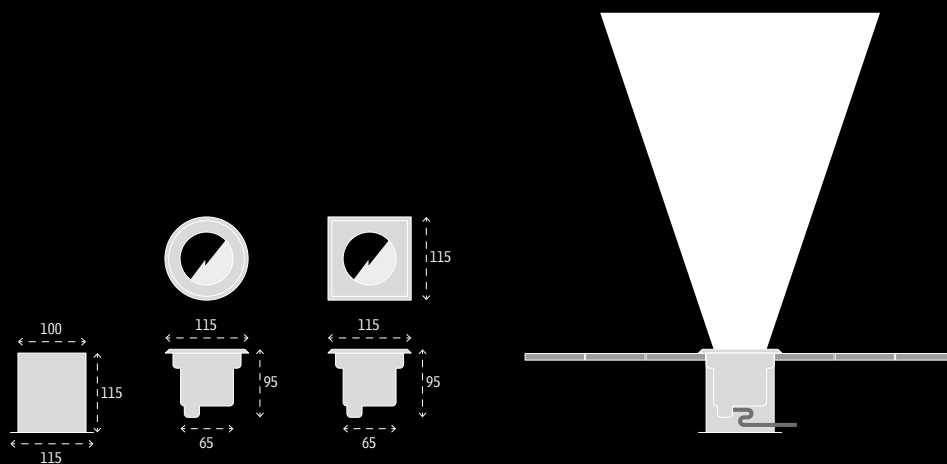


anti-glare louvre
black, for 3 POW-LED
and halogen
4.0071.00.50

Notes

- Halogen OR-CB51 lamps with various beam angles available
- Versions with integrated power supply available on request
- rotatable and +/-15° adjustable
- Plastic installation housing included, V4A stainless steel installation housing on request

Dimensions





IP67 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	2.5t				
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Monochrome illumination

Beam Angle spot

Cover	#	Color	Lumen
Round Cover	4.0071.20.01	6000K cold white	495 lm
	4.0071.20.02	3000K warm white	405 lm
	4.0071.20.03	4500K neutral white	465 lm
Square Cover	4.0071.40.01	6000K cold white	495 lm
	4.0071.40.02	3000K warm white	405 lm
	4.0071.40.03	4500K neutral white	465 lm

Specifications	
LED	3 POW-LED
WATT	total 5 W
POWER	CC 350 mA
BEAM	10° spot
CABLE	UW, 2x1,5 qmm

Control gear	Details
5.0635.65.03 max 1	→ 214
5.0635.65.20 max 2-4	
5.0635.03.30 max 2 (4*)	
5.0635.03.31 max 2 (4*)	

Beam Angle medium

Cover	#	Color	Lumen
Round Cover	4.0071.20.11	6000K cold white	495 lm
	4.0071.20.12	3000K warm white	405 lm
	4.0071.20.13	4500K neutral white	465 lm
Square Cover	4.0071.40.11	6000K cold white	495 lm
	4.0071.40.12	3000K warm white	405 lm
	4.0071.40.13	4500K neutral white	465 lm

Specifications	
LED	3 POW-LED
WATT	total 5 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 2x1,5 qmm

Control gear	Details
5.0635.65.03 max 1	→ 214
5.0635.65.20 max 2-4	
5.0635.03.30 max 2 (4*)	
5.0635.03.31 max 2 (4*)	

Dynamic illumination

Beam Angle spot

Cover	#	Color	Lumen
Round Cover	4.0071.20.09		
Square Cover	4.0071.40.09		

Specifications	
LED	3 POW-LED
WATT	all on 5 W
POWER	CC 350 mA
BEAM	10° spot
CABLE	UW, 6x0,5 qmm

Control gear	Details
5.0635.09.16 max 4	→ 220
5.0635.09.50 max 5-12	

Beam Angle medium

Cover	#	Color	Lumen
Round Cover	4.0071.20.19		
Square Cover	4.0071.40.19		

Specifications	
LED	3 POW-LED
WATT	all on 5 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x0,5 qmm

Control gear	Details
5.0635.09.16 max 4	→ 220
5.0635.09.50 max 5-12	

*Only for areas without people inside the water

Recessed spotlight

4.0197

The powerful high-quality spotlight made of solid stainless steel is fit for urban spaces. Thanks to its durable waterproofing, it illuminates public spaces and outdoor areas with continuous reliability. Twelve power LEDs generate such high luminous intensity that even facades up to ten metres high can be illuminated. Thanks to many options for spreading angles, accent lighting is just as possible as large-scale illumination.

1:1 SCALE



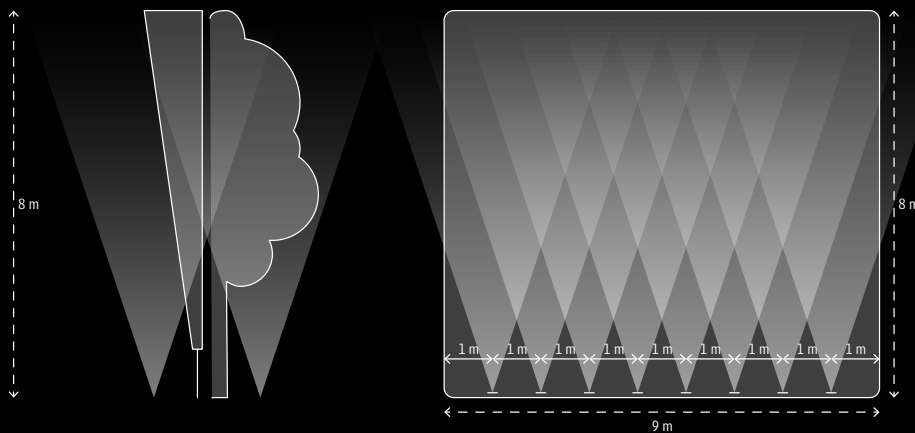
4.0197 | Recessed spotlight

Up to 1980 lumen – Optimal for architectural lighting

- Protection class IP67
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Flush-mounted cover, round and square cover, height 5 mm
- ...
- Operating mode: constant current
 - POW-LED cold white, warm white, neutral white, CC
 - POW-LED RGB
- Operating mode: constant voltage
 - POW-LED cold white, warm white, neutral white, CV
- Rotation-symmetric light distribution
- ...
- Temperature-resistant silicon seal
- Toughened safety glass (ESG) – withstands loads of up to 1500 kg
- Cable gland PG13,5, nickel-plated brass

Typical applications

For full-surface illumination of facades, the luminaires are arranged at a distance of about 1 metre and 0.5 metres from the wall. Objects, such as monuments and trees, are illuminated symmetrically from the ground up to a height of 8-10 metres. For orientation lighting, the use of frosted glass discs or anti-glare louvres is recommended, and anti-slip glass in public areas with pedestrian traffic.





© Vischmarkt Harderwijk, Netherlands
Partner: ESZET Lighting B.V.
Photo: Henk Merjenburgh



© Townhall Leingarten, Germany

4.0197 | Recessed spotlight

Colour temperatures

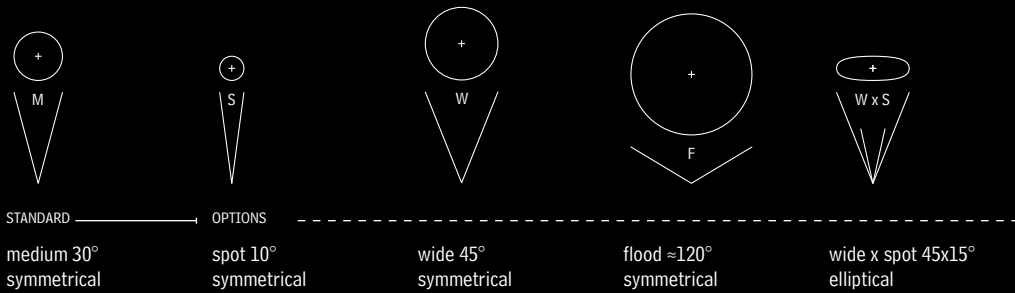


STANDARD			
6000K cold white	4500K neutral white	3000K warm white	RGB

Notes

- Protection class IP68 (fully ready for operation with light source and cables)
- 12 V-DC dimmable with dimming module 5.0690.03.15. Note: Other cable to the spotlight is required. Requires further agreements.
- In case of use of an housing, cable gland must be mounted on the ground. (Please state!)
- In public areas we recommend using a non-slip glass. See accessories.

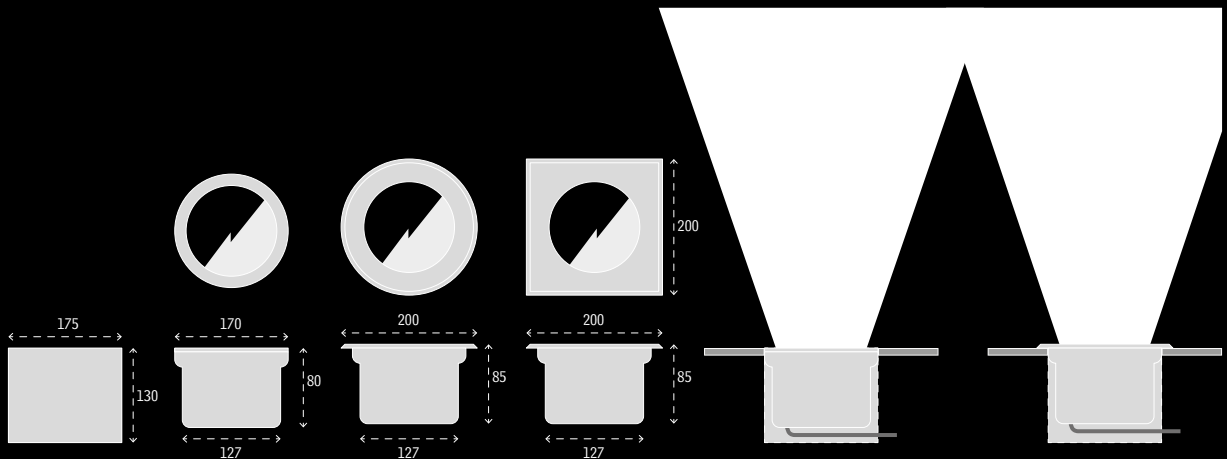
Beam angles

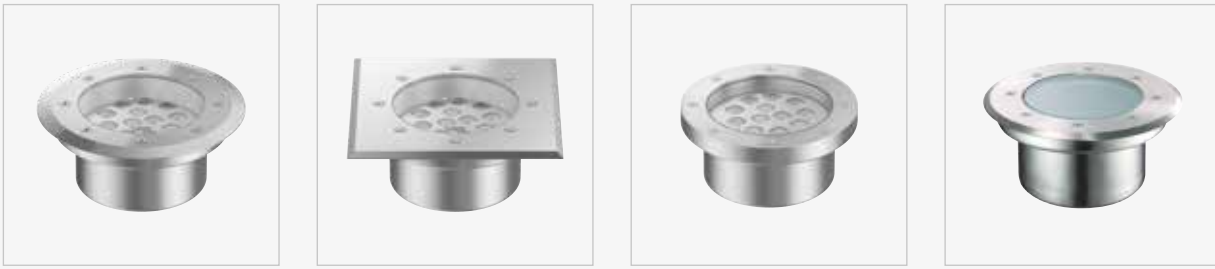


Additional parts

OPTIONS			
glass disc, frosted for softer light distribution (light loss approx. -15%) 4.0066.01.00	anti-glare louvre black, for POW-LED 4.0003.02.02	Anti-skid coating 4.0066.02.00	Installation housing out of 316Ti stainless steel 4.0197.10.95

Dimensions





IP67 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB	CONSTANT CURRENT CONSTANT VOLTAGE	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	1.5t	↑	↓	↔	↔	⊙*	CE
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Monochrome illumination

350 mA series connection

Cover	#	Color	Lumen
Flush cover	4.0197.10.01	6000K cold white	1980 lm
	4.0197.10.02	3000K warm white	1620 lm
	4.0197.10.03	4500K neutral white	1860 lm
Round Cover	4.0197.20.01	6000K cold white	1980 lm
	4.0197.20.02	3000K warm white	1620 lm
	4.0197.20.03	4500K neutral white	1860 lm
Square Cover	4.0197.40.01	6000K cold white	1980 lm
	4.0197.40.02	3000K warm white	1620 lm
	4.0197.40.03	4500K neutral white	1860 lm

Specifications	
LED	12 POW-LED
WATT	total 15 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 2x1,5 qmm
TEMP.	<40°C

Control gear	Details
5.0635.00.36 max 3	
5.0635.03.30 max 1*	→ 214
5.0635.03.31 max 1*	

12 V-DC parallel connection

Cover	#	Color	Lumen
Flush cover	4.0197.10.61	6000K cold white	1980 lm
	4.0197.10.62	3000K warm white	1620 lm
	4.0197.10.63	4500K neutral white	1860 lm
Round Cover	4.0197.20.61	6000K cold white	1980 lm
	4.0197.20.62	3000K warm white	1620 lm
	4.0197.20.63	4500K neutral white	1860 lm
Square Cover	4.0197.40.61	6000K cold white	1980 lm
	4.0197.40.62	3000K warm white	1620 lm
	4.0197.40.63	4500K neutral white	1860 lm

Specifications	
LED	12 POW-LED
WATT	total 15 W
POWER	CV 12 V-DC
BEAM	30° medium
CABLE	UW, 2x1,5 qmm
TEMP.	<40°

Control gear	Details
5.0600.65.61 max 3	
5.0600.65.12 max 9	→ 214

Dynamic illumination

Cover	#	Color	Lumen
Flush cover	4.0197.10.09	RGB	
Round Cover	4.0197.20.09	RGB	
Square Cover	4.0197.40.09	RGB	

Specifications	
LED	12 POW-LED
WATT	all on 19 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm
TEMP.	<40°C

Control gear	Details
5.0635.09.50 max 3	→ 220

*Only for areas without people inside the water

Recessed spotlight

4.0304

This powerful, high-quality spotlight made of solid stainless steel is one of the greats and is popular for illuminating buildings up to 15 metres high. Historical buildings and monuments are among its specialities. Durable waterproofing ensures an equally long-lasting lighting experience. The most different spreading angles allow for accent lighting as well as full-surface illumination.



1:1 SCALE



WIBRE
Made in Germany

4.0304 | Recessed spotlight

Up to 5940 lumen – Optimal for architectural lighting

- Protection class IP67
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- With flush-mounted cover, round or square cover or lock ring
- ...
- Operating mode: constant current
 - POW-LED cold white, warm white, neutral white, CC
 - POW-LED RGB
- Operating mode: constant voltage
 - POW-LED cold white, warm white, neutral white, CV
- POW-LED-Platine temperature control (NTC)
- ...
- Temperature-resistant silicon seal
- Toughened safety glass (ESG) –
 - withstands loads of up to 5000 kg, lock ring up to 650 kg
- Cable gland PG 16/21, nickel-plated brass
- Ballast device not included (order separately)
- Supplied with cable



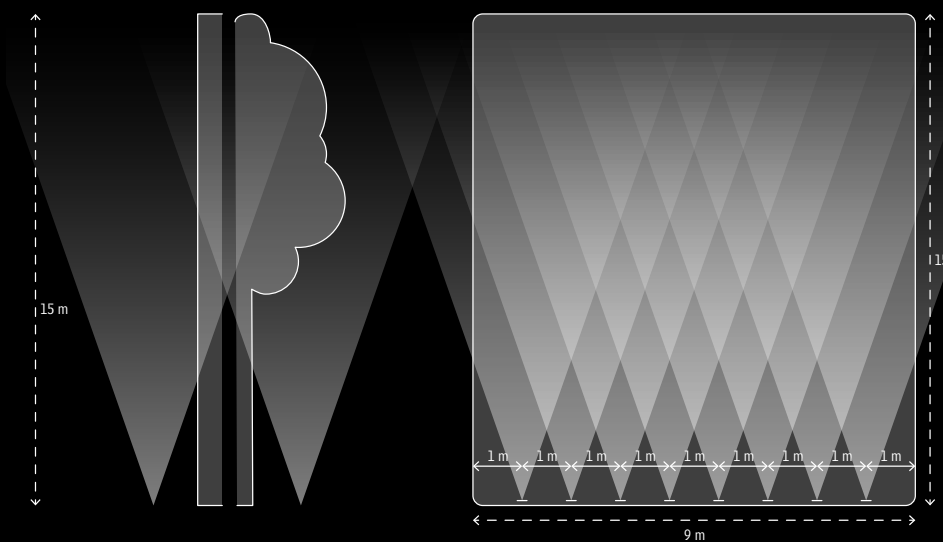
© Iglootel, Arjeplog, Sweden
Photo: Mira Hampel, www.mirahampel.de



© Stavros Niarchos Foundation Cultural Center, Athen, Greece
 Lighting Design: ARUP
 Lighting Supplier: Foss SA
 Installer: Joint Venture Salini Impregilo-TERNA
 Design Architect: Renzo Piano Building Workshop
 Photos: The Dark Room Photo Production Ltd

Typical applications

For intensive illumination of large façades, the luminaires are arranged with a spacing of about 1 to 1.5 metres and 1 metre from the wall. Objects, such as monuments and trees, are illuminated symmetrically from the ground up to a height of 15 metres. For unpaved floors and grassy areas, it is recommended to use the angle ring cover to ensure safe installation. In public areas with pedestrian traffic, the use of anti-slip discs is recommended.



4.0304 | Recessed spotlight

Colour temperatures

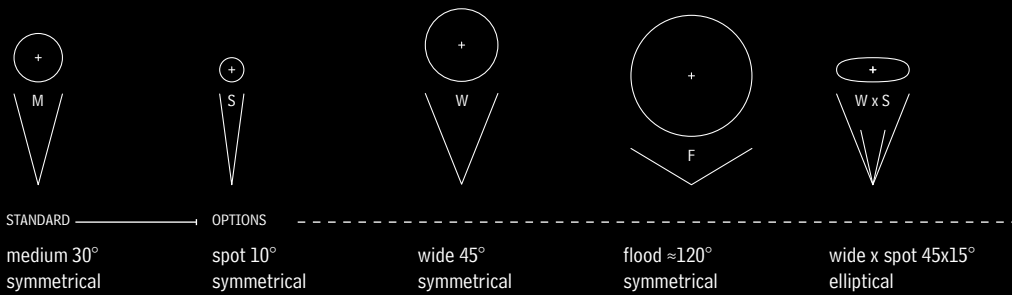


STANDARD			
6000K cold white	4500K neutral white	3000K warm white	RGB

Notes

- Protection class IP68 (fully ready for operation with light source and cables)
- Cable gland on floor possible
- 12 V-DC dimmable with dimming module 5.0690.03.15. Note: Other cable to the spotlight is required. Requires further agreements.
- In case of use of an housing, cable gland must be mounted on the ground. (Please state!)
- In public areas, we recommend to use a non-slip glass. See accessories.
- Versions with HIT lamp available

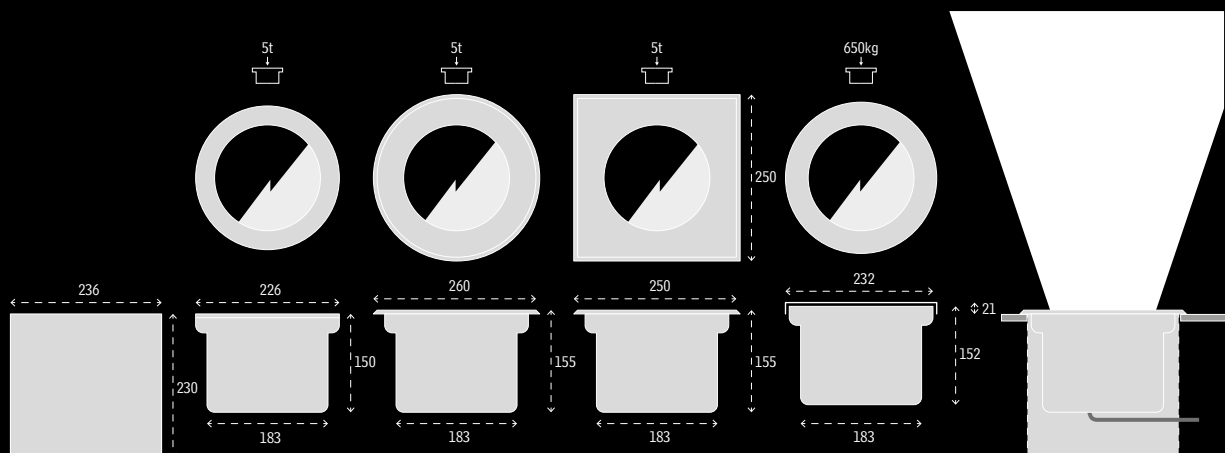
Beam angles



Additional parts

OPTIONS				
glass disc, frosted for softer light distribution (light loss approx. -15%) for lock ring 4.0230.01.00	rippled glass, frosted for softer light distribution (light loss approx. -15%) for flush, round and square cover 50.4.00019.194	rippled glass with antiskid coating for flush, round and square cover 4.0231.02.00	Installation housing out of 316Ti stainless steel ø 235 x 230 mm for lock ring 4.0304.00.95	Installation housing out of 316Ti stainless steel ø 235 x 230 mm for flush, round and square cover 4.0304.10.95

Dimensions





IP67 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB	CONSTANT CURRENT CONSTANT VOLTAGE	CABLE INCL.	5t	650kg	↑	↓	↔	↔	CE	
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Monochrome illumination

350 mA series connection

Cover	#	Color	Lumen
Flush cover	4.0304.15.01	6000K cold white	5940 lm
	4.0304.15.02	3000K warm white	4860 lm
	4.0304.15.03	4500K neutral white	5580 lm
Round cover	4.0308.25.01	6000K cold white	5940 lm
	4.0308.25.02	3000K warm white	4860 lm
	4.0308.25.03	4500K neutral white	5580 lm
Square cover	4.0308.45.01	6000K cold white	5940 lm
	4.0308.45.02	3000K warm white	4860 lm
	4.0308.45.03	4500K neutral white	5580 lm
Lock ring	4.0303.05.01	6000K cold white	5940 lm
	4.0303.05.02	3000K warm white	4860 lm
	4.0303.05.03	4500K neutral white	5580 lm

Specifications	
LED	36 POW-LED
WATT	total 43 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm
TEMP.	<55°C

Control gear	Details
5.0635.00.36 max 1	→ 214

12 V-DC parallel connection

Cover	#	Color	Lumen
Flush cover	4.0304.15.61	6000K cold white	5940 lm
	4.0304.15.62	3000K warm white	4860 lm
	4.0304.15.63	4500K neutral white	5580 lm
Round cover	4.0308.25.61	6000K cold white	5940 lm
	4.0308.25.62	3000K warm white	4860 lm
	4.0308.25.63	4500K neutral white	5580 lm
Square cover	4.0308.45.61	6000K cold white	5940 lm
	4.0308.45.62	3000K warm white	4860 lm
	4.0308.45.63	4500K neutral white	5580 lm
Lock ring	4.0303.05.61	6000K cold white	5940 lm
	4.0303.05.62	3000K warm white	4860 lm
	4.0303.05.63	4500K neutral white	5580 lm

Specifications	
LED	36 POW-LED
WATT	total 43 W
POWER	CV 12 V-DC
BEAM	30° medium
CABLE	UW, 2x2,5 qmm
TEMP.	<55°

Control gear	Details
5.0600.65.61 max 1 5.0600.65.12 max 3	→ 214

Dynamic illumination

Cover	#	Color	Lumen
Flush cover	4.0304.15.09	RGB	
Round cover	4.0308.25.09	RGB	
Square cover	4.0308.45.09	RGB	
Lock ring	4.0303.05.09	RGB	

Specifications	
LED	36 POW-LED
WATT	all on 43 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm
TEMP.	<55°C

Control gear	Details
5.0635.09.50 max 1	→ 220

Recessed Linear Spotlight

4.3030/60/90/12

The generalist among recessed floor-mounted spotlights above water is available in four different lengths from 245 to 1,225 mm.

The swivelling linear spotlight made of stainless steel is used in a wide variety of applications, including extremely robust ones, for full-area illumination or linear markings. The light colour temperatures are cool white, neutral white, warm white and RGB for coloured light.





1:1 SCALE

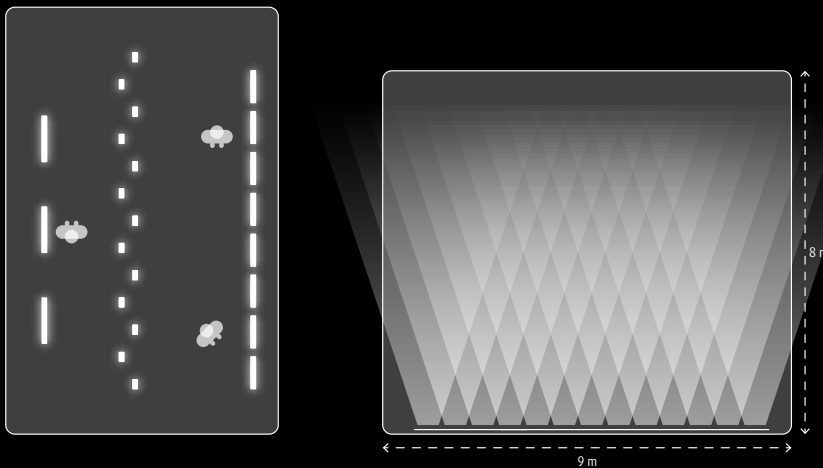
4.3030/60/90/12 | Recessed Linear Spotlight

Up to 5040 lumen – Effective linear illumination

- Protection class IP67
- Entirely made of stainless steel 316Ti 1.4571
- Flush-mounted or rectangular cover, height 5 mm
- ...
- POW-LED cold white, warm white, neutral white, 230 V
- POW-LED RGB 350 mA
- Operating mode: constant current
- Linear light distribution
- +/- 15° adjustable POW-LED
- POW-LED-Platine temperature control (NTC)
- ...
- Installation housing available as an option, with option for linear connection to an expansion housing (only in conjunction with a flush-mounted cover)
- Supplied with 3 m of underwater cable and connection box

Typical applications

Can be used individually for linear illumination in various environments, such as public squares, facades and pedestrian zones. For uninterrupted and full-surface, intensive illumination, line up the luminaires without spacing; the longer versions are suitable for this purpose. Wall mounting for floor illumination is possible up to a maximum height of 30 centimetres.





© QBIG Heilbronn, Germany
Photo: Hermann Mohr, Fotoclub Obersulm

4.3030/60/90/12 | Recessed Linear Spotlight

Colour temperatures



STANDARD

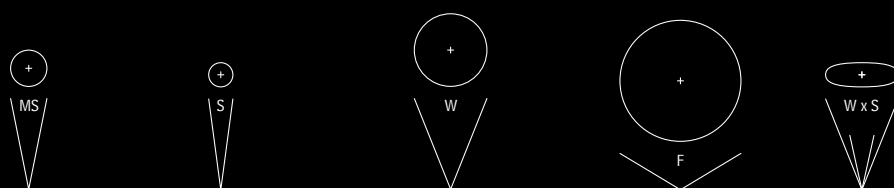
6000K
cold white

4500K
neutral white

3000K
warm white

RGB

Beam angles



STANDARD

medium 30°
symmetrical

OPTIONS

spot 10°
symmetrical

wide 45°
symmetrical

flood ≈120°
symmetrical

wide x spot 40x15°
elliptical

Additional parts



OPTIONS

glass disc, frosted
for softer light
distribution (light loss
approx. -15%)

anti-glare louvre

Anti-skid coating

Installation housing
out of 316L stainless
steel with
2 terminating elements

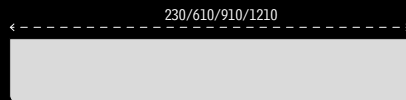
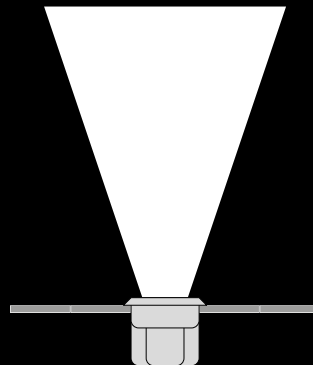
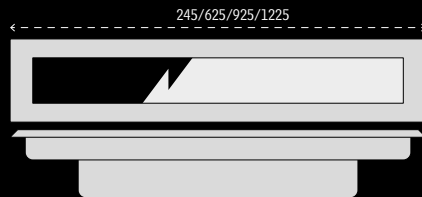
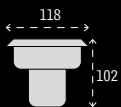
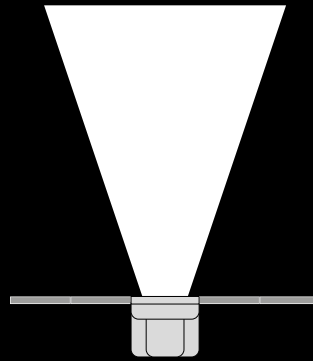
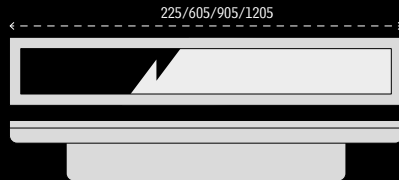
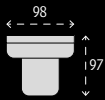
Extension housing
out of 316L stainless
steel with 2 junction
elements
only for flush cover

	glass disc, frosted for softer light distribution (light loss approx. -15%)	anti-glare louvre	Anti-skid coating	Installation housing out of 316L stainless steel with 2 terminating elements	Extension housing out of 316L stainless steel with 2 junction elements only for flush cover
4.3030	4.3030.03.00	4.0003.30.30	4.3030.02.00	4.3030.00.00	—
4.3060	4.3060.03.00	4.0003.30.60	4.3060.02.00	4.3060.00.00	4.3060.01.00
4.3090	4.3090.03.00	4.0003.30.90	4.3090.02.00	4.3090.00.00	4.3090.01.00
4.3012	50.43012.0001	4.0003.30.12	4.3012.02.00	4.3012.00.00	4.3012.01.00

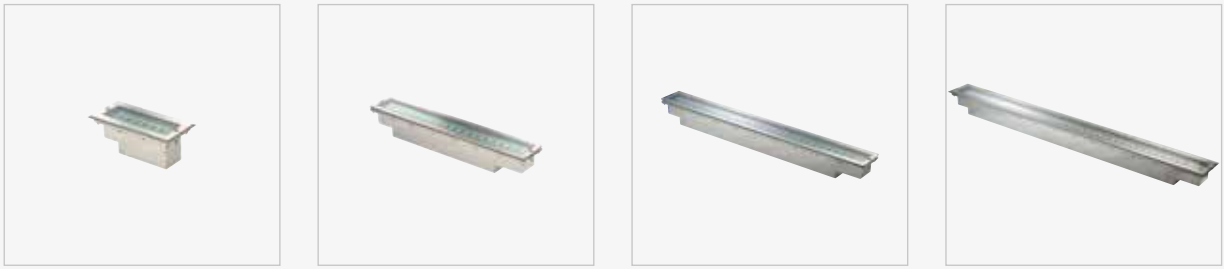
Notes

- SMD-LED available
- Variant as surface-mounted spotlight available (tiltable from 180 °)
- Glass surface temperature below 75° (Cool Contact)
- Special designs and customer-specific equipment available on request
- In public areas, we recommend to use a non-slip glass. See accessories.

Dimensions



4.3030/60/90/12 | Recessed Linear Spotlight



IP67	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB	350 mA 230 V	CABLE INCL.	2.5t							CE		
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Monochrome illumination

Length 225/245 mm

Cover	#	Color	Lumen
Flush cover	4.3030.10.11	6000K cold white	680 lm
	4.3030.10.12	3000K warm white	600 lm
	4.3030.10.13	4500K neutral white	660 lm
Rectangular cover	4.3030.40.11	6000K cold white	680 lm
	4.3030.40.12	3000K warm white	600 lm
	4.3030.40.13	4500K neutral white	660 lm

Specifications	
LED	6 POW-LED
WATT	total 7 W
POWER	230V
BEAM	30° medium
CABLE	UW, 3x1,5 qmm
TEMP.	<55°C

Control gear
Inclusive (230 V)

Length 605/625 mm

Cover	#	Color	Lumen
Flush cover	4.3060.10.11	6000K cold white	2520 lm
	4.3060.10.12	3000K warm white	1800 lm
	4.3060.10.13	4500K neutral white	1980 lm
Rectangular cover	4.3060.40.11	6000K cold white	2520 lm
	4.3060.40.12	3000K warm white	1800 lm
	4.3060.40.13	4500K neutral white	1980 lm

Specifications	
LED	18 POW-LED
WATT	total 24 W
POWER	230V
BEAM	30° medium
CABLE	UW, 3x1,5 qmm
TEMP.	<55°C

Control gear
Inclusive (230 V)

Length 905/925 mm

Cover	#	Color	Lumen
Flush cover	4.3090.10.11	6000K cold white	3780 lm
	4.3090.10.12	3000K warm white	2700 lm
	4.3090.10.13	4500K neutral white	2970 lm
Rectangular cover	4.3090.40.11	6000K cold white	3780 lm
	4.3090.40.12	3000K warm white	2700 lm
	4.3090.40.13	4500K neutral white	2970 lm

Specifications	
LED	27 POW-LED
WATT	total 36 W
POWER	230V
BEAM	30° medium
CABLE	UW, 3x1,5 qmm
TEMP.	<55°C

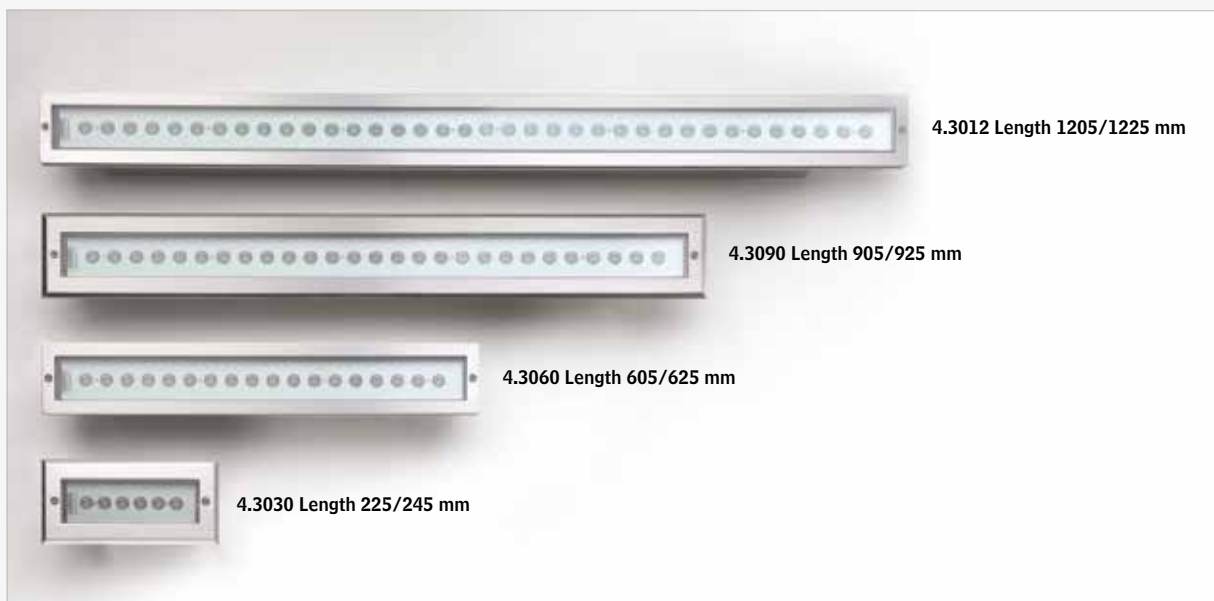
Control gear
Inclusive (230 V)

Length 1205/1225 mm

Cover	#	Color	Lumen
Flush cover	4.3012.10.11	6000K cold white	5040 lm
	4.3012.10.12	3000K warm white	3600 lm
	4.3012.10.13	4500K neutral white	3960 lm
Rectangular cover	4.3012.40.11	6000K cold white	5040 lm
	4.3012.40.12	3000K warm white	3600 lm
	4.3012.40.13	4500K neutral white	3960 lm

Specifications	
LED	36 POW-LED
WATT	total 43 W
POWER	230V
BEAM	30° medium
CABLE	UW, 3x1,5 qmm
TEMP.	<55°C

Control gear
Inclusive (230 V)



Dynamic illumination

Length 225/245 mm

Cover	#	Color	Lumen
Flush cover	4.3030.10.19		
Rectangular cover	4.3030.40.19		

Specifications	
LED	6 POW-LED
WATT	all on 8 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm
TEMP	<55°C

Control gear	Details
5.0635.09.50 max 6	→ 220

Length 605/625 mm

Cover	#	Color	Lumen
Flush cover	4.3060.10.19		
Rectangular cover	4.3060.40.19		

Specifications	
LED	18 POW-LED
WATT	all on 23 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm
TEMP	<55°C

Control gear	Details
5.0635.09.50 max 2	→ 220

Length 905/925 mm

Cover	#	Color	Lumen
Flush cover	4.3090.10.19		
Rectangular cover	4.3090.40.19		

Specifications	
LED	27 POW-LED
WATT	all on 34 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm
TEMP	<55°C

Control gear	Details
5.0635.09.50 max 1	→ 220

Length 1205/1225 mm

Cover	#	Color	Lumen
Flush cover	4.3012.10.19		
Rectangular cover	4.3012.40.19		

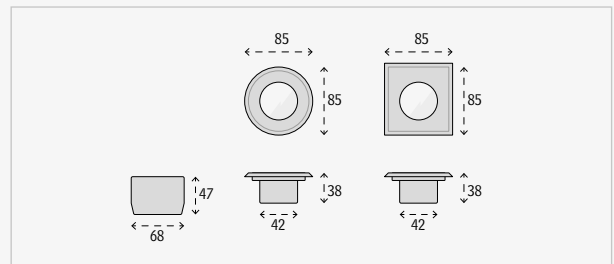
Specifications	
LED	36 POW-LED
WATT	all on 43 W
POWER	CC 350 mA
BEAM	30° medium
CABLE	UW, 6x1,0 + 2x0,5 qmm
TEMP	<55°C

Control gear	Details
5.0635.09.50 max 1	→ 220

Recessed spotlight

4.0021

- Protection class IP67
- Cover made of stainless steel 316Ti
- Housing made of anodised aluminium
- Round or square attachment cover, height 3mm
- Toughened safety glass (ESG) – withstands loads of up to 650 kg
- ...
- POW-LED cold white, warm white, neutral white
- Operating mode: constant current
- ...
- For floor installation with a plastic installation container
- Supplied with plastic installation container and 3 m of connecting cable



Monochrome illumination

Beam Angle medium

Cover	#	Color	Lumen	LED	Watt	Power	Beam	Cable	Temp.	Connect → 208
Round Cover	4.0021.20.01	6000K cold white	165 lm	1 POW-LED	total 2 W	CC 350 mA	30° medium	UW, 2x0,5 qmm	< 40°C	5.0635.65.03 max 3 5.0635.65.20 max 12
	4.0021.20.02	3000K warm white	135 lm							
	4.0021.20.03	4500K neutral white	155 lm							
Square Cover	4.0021.40.01	6000K cold white	165 lm							
	4.0021.40.02	3000K warm white	135 lm							
	4.0021.40.03	4500K neutral white	155 lm							

Beam Angle homogen diffus

Round Cover	4.0020.20.01	6000K cold white	165 lm	1 POW-LED	total 2 W	CC 350 mA	homogen diffus	UW, 2x0,5 qmm	< 40°C	5.0635.65.03 max 3 5.0635.65.20 max 12
	4.0020.20.02	3000K warm white	135 lm							
	4.0020.20.03	4500K neutral white	155 lm							
Square Cover	4.0020.40.01	6000K cold white	165 lm							
	4.0020.40.02	3000K warm white	135 lm							
	4.0020.40.03	4500K neutral white	155 lm							

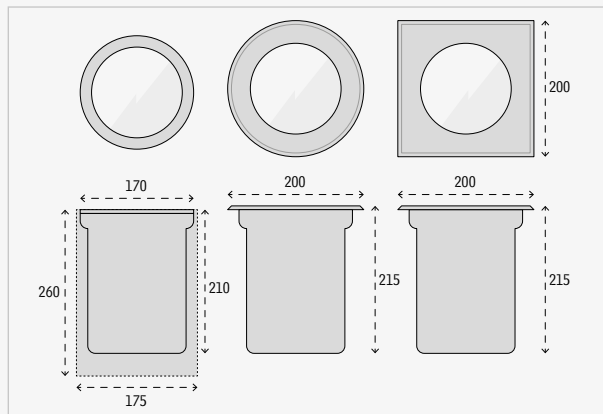
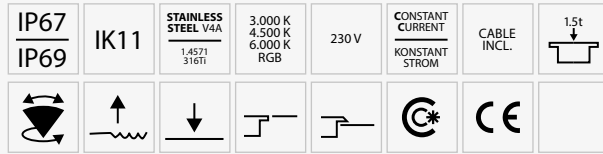
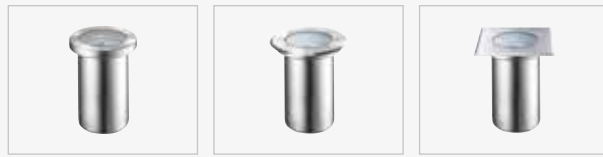
Notes

- Beam Angle 45° and 10°
- POW-LED, series-connected
- Glass surface temperature below 40° (Cool Contact)

Recessed spotlight

4.0198

- Protection class IP67
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571
- Flush-mounted cover or round and square cover, height 5 mm ...
- POW-LED cold white, warm white, neutral white, 230 V
- POW-LED RGB CC
- Rotation-symmetric light distribution
- 360° pivotable et +/-15° adjustable
- ...
- Temperature-resistant silicon seal
- Toughened safety glass (ESG) – withstands loads of up to 1500 kg
- Cable gland PG13,5, nickel-plated brass
- Supplied with light source and 3 m of underwater cable



Additional parts

glass disc, frosted for softer light distribution (light loss approx. -15%) 4.0066.01.00	anti-glare louvre black, for POW-LED 4.0003.02.01	Anti-skid coating 4.0066.02.00	double cable gland PG13,5, brass 4.0004.00.13	Installation housing out of 316Ti stainless steel 4.0198.10.95
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Monochrome and dynamic illumination

Cover	#	Color	Lumen	LED	Watt	Power	Beam	Cable	Temp.	Connect → 208
Flush cover	4.0198.10.01	6000K cold white	1980 lm	12 POW-LED	total 15 W	230V	30° medium	UW, 3x1,5 qmm	<40°C	Inclusive (230 V)
	4.0198.10.02	3000K warm white	1620 lm							
	4.0198.10.03	4500K neutral white	1860 lm							
Round Cover	4.0198.20.01	6000K cold white	1980 lm							
	4.0198.20.02	3000K warm white	1620 lm							
	4.0198.20.03	4500K neutral white	1860 lm							
Square Cover	4.0198.40.01	6000K cold white	1980 lm							
	4.0198.40.02	3000K warm white	1620 lm							
	4.0198.40.03	4500K neutral white	1860 lm							
Flush cover	4.0198.10.09	RGB		12 POW-LED	all on 19 W	CC 350 mA	30° medium	UW, 6x1,0 + 2x0,5 qmm	<40°C	5.0635.09.16 max 1 5.0635.09.50 max 3
Round Cover	4.0198.20.09	RGB								
Square Cover	4.0198.40.09	RGB								

Notes

- Protection class IP68 (fully ready for operation with light source and cables)
- POW-LED with beam angle spot 10°, medium 30°, wide 45°, flood 90° and elliptical 15x40°
- POW-LED, series-connected
- In case of use of an housing, cable gland must be mounted on the ground. (Please state!)
- In public areas we recommend to use a non-slip glass. See accessories.
- Versions with HIT lamp available

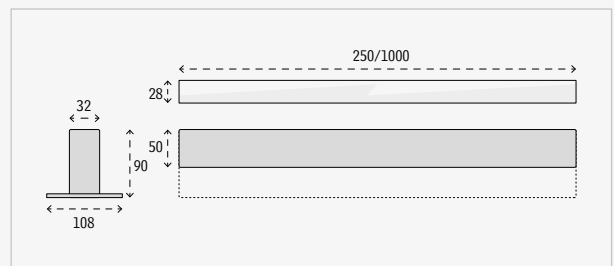
Linear Recessed-Light

4.1010

- Protection class IP67
- Flush mounted linear lighting fixture
- Entirely made of stainless steel 316Ti 1.4571
- Fully encapsulated
- ...
- Low-Power-LED cold white, warm white, neutral white, CV
- Operating mode: constant voltage
- ...
- Installation without any gap of numerous fixtures possible, line of light without any gaps
- Anti-slip toughened safety glass (ESG)
- Connection with special cable connectors (plug and socket)
- 250mm and 1000mm versions available
- External driver (to be ordered separately according to project needs!)
- Recessing box for ground and wall mounting available in T shape
- Delivery with 2 x 0,5 m cable for junction to next lighting fixture
- ...

- VERSION OL: Orientation lighting fixture
- Completely homogenous light distribution
 - Suitable for accentuation and orientation lighting
 - ...

- VERSION LL: linear lighting fixture
- Smooth light distribution with visible LED dots
 - Suitable for lighting of walls and facades



Additional parts

Junction element for cross-, T- and L-junctions, stainless steel 9.1010.00.01	Junction element for linear junctions, stainless steel 9.1010.01.01	Dismantling tool 9.1010.00.40
Connection plug 9.1010.00.30	Connection socket 9.1010.01.30	

Notes

- Monochrome SMD-LED available in red, green, blue, yellow
- SMD-LED RGB available
- other lengths available on request
- An installation housing is required for a new installation. Please order separately.
- Project/installation details required.
- Request power supplies project-related (DALI, DMX)
- Junction element order separately

Monochrome illumination

Length 250 mm

Cover	#	Color	Lumen	LED	Watt	Power	Beam	Cable	Temp.	Connect → 208
version OL: Orientation Light - length 250 mm	4.1025.10.01	6000K	270 lm	SMD-LED cold white	total 3 W	24 V-DC	diffus	UW, 2x1,0 qmm	<40°C	5.1010.65.20 max 6 5.1010.65.60 max 18
	4.1025.10.02	3000K	250 lm	SMD-LED warm white						
	4.1025.10.03	4500K	270 lm	SMD-LED neutral white						
version LL: linear lighting fixture - length 250 mm	4.1025.10.11	6000K	270 lm	SMD-LED cold white						
	4.1025.10.12	3000K	250 lm	SMD-LED warm white						
	4.1025.10.13	4500K	270 lm	SMD-LED neutral white						

Length 1000 mm

version OL: Orientation Light - length 1000 mm	4.1010.10.01	6000K	1100 lm	SMD-LED cold white	total 10 W	24 V-DC	diffus	UW, 2x1,0 qmm	<40°C	5.1010.65.20 max 2 5.1010.65.60 max 5
	4.1010.10.02	3000K	1000 lm	SMD-LED warm white						
	4.1010.10.03	4500K	1100 lm	SMD-LED neutral white						
version LL: linear lighting fixture - length 1000 mm	4.1010.10.11	6000K	1100 lm	SMD-LED cold white						
	4.1010.10.12	3000K	1000 lm	SMD-LED warm white						
	4.1010.10.13	4500K	1100 lm	SMD-LED neutral white						

Installation housings

4.1025.00.00	4.1025.01.00	4.1010.00.00	4.1010.01.00
Installation housing out of 316L stainless steel, T-Version, for 4.1025, length 250 mm	Installation housing out of 316L stainless steel, L-Version, for 4.1025, length 250 mm	Installation housing out of 316L stainless steel, T-Version, for 4.1010, length 1000 mm	Installation housing out of 316L stainless steel, L-Version, for 4.1010, length 1000 mm

Further recessed spotlights

The following additional recessed spotlights are listed and available at www.wibre.de.



Recessed spotlight

4.0061



Recessed spotlight

4.0091



Recessed spotlight

4.0098



Complementary products

Underwater speakers and underwater windows as an attraction and safety feature in swimming pools



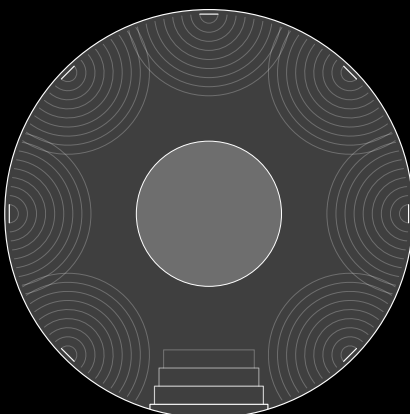
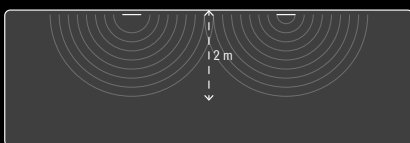
Underwater Loudspeaker

4.0014

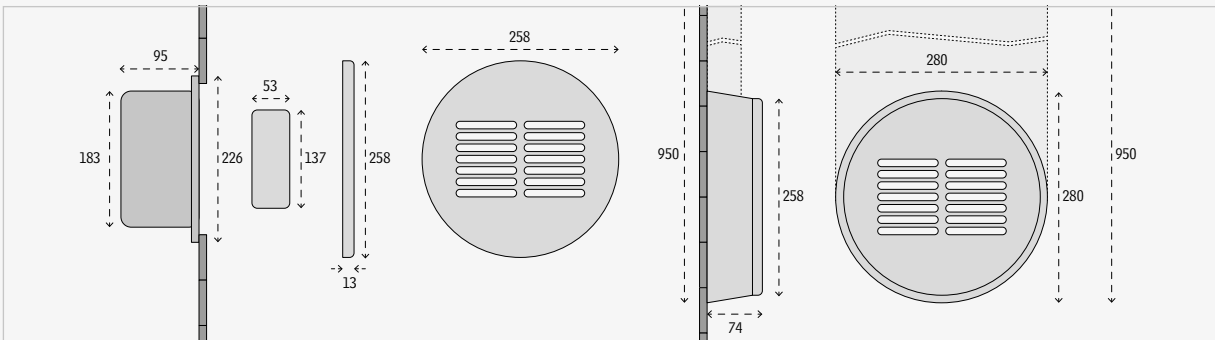
For background sound in therapy and floating pools as well as hotel pools

Typical applications

The use of underwater speakers is essentially dependent on the pool architecture, pool size and depth. The speakers produce an easily noticeable background sound, optimally suited for therapy purposes in the water as well as in resting and floating pools and likewise as relaxing underwater background music in hotel pools. The sound can be heard within a radius of about 2 metres as soon as the ears are below the water surface.



- Protection class IP68 – up to 3m water depth
- With a stainless steel 316Ti 1.4571 housing, with 1.5 m cable protection tube
- Round attachment cover, made of shatter-proof plastic, height 13 mm
- Included: Installation housing, loudspeaker, swivel bracket, cover plate
- Standard versions for concrete/tile, pressure flange and adhesive flange
- Further surface-mounted variants with moulded plastic component for retrofit wall installation and for mobile use hanging over the edge of the pool
- Supplied with 15 m of special underwater cable



Wall-mounted

#	Version
4.0014.00.07	for installation in concrete pools with tile covering, with 1.5 m protective cable tube
4.0014.01.07	for installation in thin-walled pools and foil-lined pools, with 1.5m protective cable tube
4.0014.03.07	for installation in pools with adhesive/foil coating, with 1.5 m protective cable tube

Specifications	
FREQUENCY	100 Hz-10 kHz
INPUT	max 30 W
IMPEDANCE	8 Ω
MOUNTING DEPTH	0,6-1,0 m
CABLE	UW, 2x2,5 qmm

Surface-mounted

#	Version
4.0016.00.00	with moulded plastic component for retrofit wall installation
4.0017.00.00	with moulded plastic component for mobile use hanging over the edge of the pool

Specifications	
FREQUENCY	100 Hz-10 kHz
INPUT	max 30 W
IMPEDANCE	8 Ω
MOUNTING DEPTH	0,6-1,0 m
CABLE	UW, 2x2,5 qmm

Additional parts



Stainless steel front diaphragm
258 x 13 mm, as a replacement for the standard plastic cover
4.0012.00.00



Stainless steel front diaphragm, flush mounted
ø 238 mm, for flush installation, incl. angle ring and screws
4.0012.75.00



ELA output transducer
100 V > 8 Ω, only in combination with ELA systems
185 x 65 mm
9.0014.18.00



Replacement plastic front cover
245 x 12 mm
9.0014.02.00



Underwater-Loudspeaker single
137 x 53 mm
4.0018.00.07



Installation housing single
226 x 95 x 182 mm
4.0013.00.07

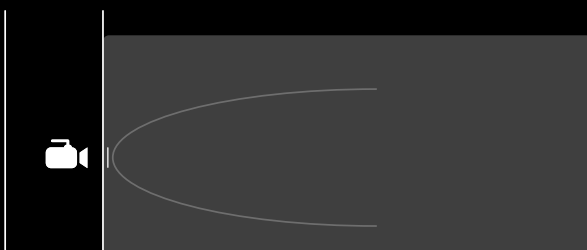
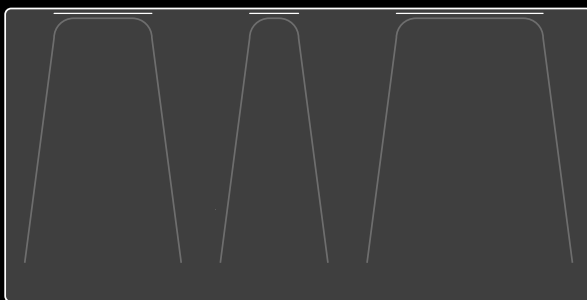
Underwater Windows

4.2500

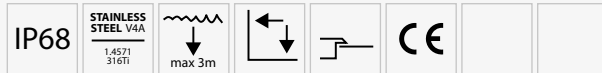
Large viewing windows for the pool wall as an attraction and for control.

Typical applications

Underwater windows are available in different sizes and forms. The windows are primarily used in sports and competition pools to increase the safety of submerged swimmers and to take recordings from around the pool. The underwater windows are also used as an attraction in water parks.



- Protection class IP68 – up to 3m water depth
- Entirely made of stainless steel 316Ti
- Cover, height 8 mm
- Sturdy marine grade 316Ti stainless steel construction with toughened safety glass
- Sealed via special silicon seals
- Varying glass thickness according to the size of the window
- For swimming pools with walkaround or surrounding shaft
- Wall installation possible in all standard pool types



Versions

#	Version	Dimensions
4.2500	angular	Dimensions are to be defined individually, and vary according to specifications. Max. width 280 cm, max height 180 cm.
4.2600	round	Dimensions are to be defined individually, and vary according to specifications. Max size ø180 cm

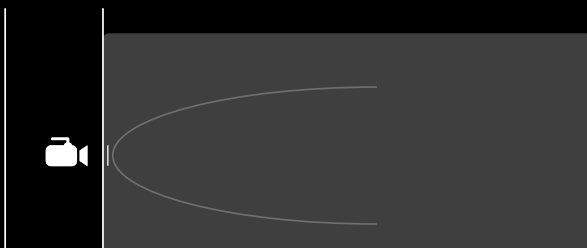
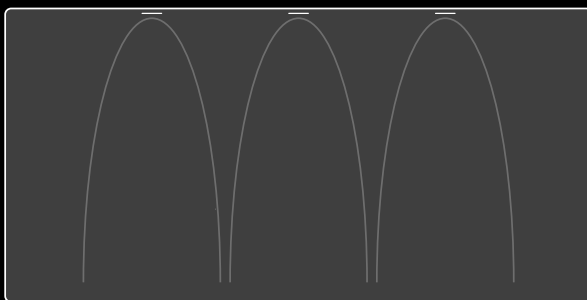
Underwater Windows

4.1914

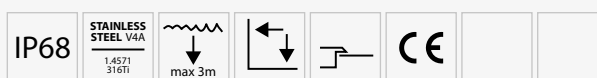
Portholes for the pool wall as an attraction and for control.

Typical applications

Underwater windows are available in different sizes and forms. The windows are primarily used in sports and competition pools to increase the safety of submerged swimmers and to take recordings from around the pool. The portholes are also used as an attraction for guests in water parks.



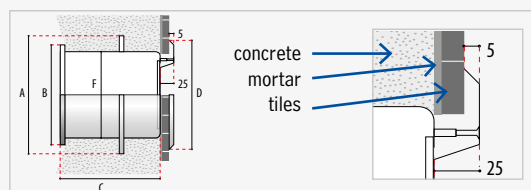
- Protection class IP68 – up to 3m water depth
- Entirely made of stainless steel 316Ti 1.4571
- Round cover, height 5 or 17 mm
- Sturdy marine grade 316Ti stainless steel construction with toughened safety glass
- Sealed via special silicon seals
- Varying glass thickness according to the size of the window
- For swimming pools with walkaround or surrounding shaft
- Wall installation possible in all standard pool types



Versions

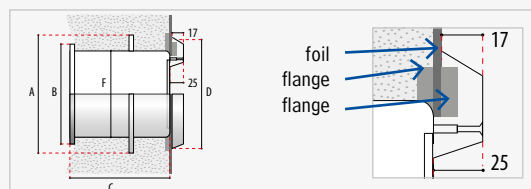
Tiled concrete pools (tiles + mortar 15–20 mm)

#	Visibility area	Dimensions	Weight
4.1914.00.00	200 mm	A 380 x B 330 x C 350 x D 350 x F 283	16 kg
4.2112.00.00	310 mm	A 500 x B 473 x C 240 x D 490 x F 403	18,5 kg
4.2113.00.00	310 mm	A 500 x B 473 x C 440 x D 490 x F 403	23,5 kg



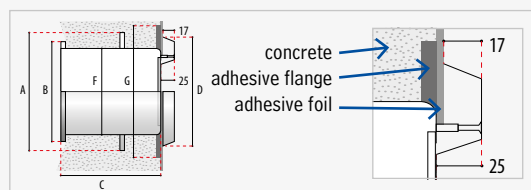
Concrete pools with fitted foil (pressure flange)

4.1914.01.00	200 mm	A 380 x B 330 x C 350 x D 350 x F 283	16 kg
4.2112.01.00	310 mm	A 500 x B 473 x C 240 x D 490 x F 403	18,5 kg
4.2113.01.00	310 mm	A 500 x B 473 x C 440 x D 490 x F 403	23,5 kg



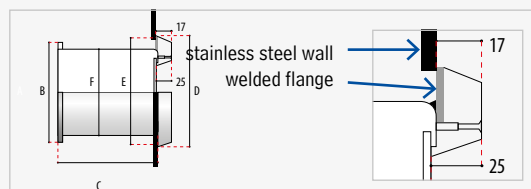
Pools with adhesive/foil coatings (adhesive flange)

4.1914.03.00	200 mm	A 380 x B 330 x C 350 x D 350 x F 283 x G 383	16 kg
4.2112.03.00	310 mm	A 500 x B 473 x C 240 x D 490 x F 403 x G 503	18,5 kg
4.2113.03.00	310 mm	A 500 x B 473 x C 440 x D 490 x F 403 x G 503	23,5 kg



Stainless steel pools (welded flange)

4.1914.04.00	200 mm	B 330 x C 350 x D 350 x E 338 x F 283	16 kg
4.2112.04.00	310 mm	B 473 x C 240 x D 490 x E 485 x F 403	18,5 kg
4.2113.04.00	310 mm	B 473 x C 440 x D 490 x E 485 x F 403	23,5 kg





Accessories

Accessories for installation, connection
and control of the spotlights



Power supply units for CENTUM spotlights

- Constant current power supplies for POW-LED modules
- Controlled constant output current
- SELV
- Over temperature and short circuit protection
- Overload and overvoltage protection
- Identification of polarity: +/-
- Safety: EN 61347
- Radio Interferences: EN 55015
- Harmonics: EN 61000-3-2
- Immunity: EN 61547
- POW-LED modules on constant-current power supply units may only be operated in series connection
- For detailed information and connection diagrams, please refer to the respective installation manual

	Article code	Protection class	RECESSED SPOTLIGHTS					SURFACE-MOUNTED SPOTLIGHTS					RETROFIT SPOTLIGHTS		
			4.0052	4.0102	4.0202	4.0292	4.0492	4.0050	4.0100.30	4.0100.00	4.0290	4.0490	4.0291 (4.0291.5S/57)	4.1913 (4.1900)	4.2013 (4.2000)
NOT DIMMABLE	5.0635.65.20	IP67 (open strands)	2 (3)					2 (3)		2 (3)					
	5.0630.10.04	IP65 in Box		1					1						
	5.0630.00.04	IP67 (open strands)		1					1						
	5.0630.10.08	IP65 in Box			1					1					
	5.0630.10.12	IP65 in Box				1						1			
	5.0630.10.32	IP65 in Box					1				1				
	5.0630.20.16	IP65 in Box											1		
	5.0630.20.32	IP65 in Box												1	
DIMMABLE	5.0635.03.30	IP20	2 (4)					2 (4)		2 (4)					
	5.0635.03.31	IP20	2 (4)					2 (4)		2 (4)					
	5.0630.11.08	IP65 in Box			1					1					
	5.0630.11.12	IP65 in Box				1						1			
	5.0630.01.12	IP20				1						1			
	5.0630.03.12	IP20				3						3			

1st number: IEC 60598-2-18 standard (swimming pool) 2nd number in brackets: Only for areas without people inside the water

Exclusively developed power supplies ensure the safe and trouble-free operation of CENTUM spotlights. The correct function of the luminaires, considering important standards as well as electronic conditions, is only guaranteed in combination with the approved power supply unit.

TECHNICAL DETAILS														
	VDE protection specification [SELV]	Input voltage [V AC]	Input current max. [A AC @230V]	Frequency [Hz]	Output current max. [mA]	Output power max. [W]	Efficiency [%]	Secondary voltage [V DC]	Ambient temperature ta max. [°C]	Automatic circuit breakers max. devices per type B16	Type of dimming	Dimensions LxWxH [mm]	Weight [kg]	DIN rail mounting Mounting box IP65
	Class II	90-264	0,35	47-63	350	16,8	83	9-48	35	8	✗	118x35x26	0.22	✗ 9.0630.65.30
	SELV	90-305	0,25	47-63	1200	25	85	15	35	12	✗	254x180x111	1,6	✗ ✓
	SELV	90-305	0,25	47-63	1200	25	85	15	50	12	✗	148x40x32	0.36	✗ 9.0630.65.30
	SELV	90-305	0,3	47-63	2670	40	85	9-15	35	12	✗	254x180x111	1,6	✗ ✓
	SELV	90-305	0,4	47-63	4000	60	87	9-15	35	8	✗	254x180x111	1,6	✗ ✓
	SELV	90-305	0,75	47-63	10000	150	92	7,5-15	35	4	✗	254x180x111	1.15	✗ ✓
	SELV SELV	90-264	0,63	47-63	5000 1000*	80 12*	89 82*	9-15 12*	35	3	✗	254x180x111	1	✗ ✓
	SELV SELV	90-264	1,0	47-63	10000 1000*	150 12*	92 82*	7,5-15 12*	35	3	✗	254x180x111	1	✗ ✓
	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	350	30	85	2-55	50	53	DALI 2	130x72x28	0.29	✗ 9.0630.65.30
	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	350	30	85	2-55	50	53	1-10 V	130x72x28	0.29	✗ 9.0630.65.30
	SELV	90-305	0,24	47-63	2400	40	86.5	9-15	35	12	1-10 V	254x180x111	0.73	✗ ✓
	SELV	90-305	0,32	47-63	4000	60	87.5	9-15	35	9	1-10 V	254x180x111	0.73	✗ ✓
	SELV	90-305	0,43	47-63	3600	54	88.5	15	50	3	DALI / 1-10V	192x73x71	0.7	✓ 9.0630.65.12
	SELV	90-295	1,0	47-63	3 x 3600	162	91.5	15	50	4	DALI / 1-10V	243x82x71	1.2	✓ 9.0360.65.12

*Details for the integrated power supply unit of the fan

Power supply units for recessed and surface-mounted spotlights

- Constant current and constant voltage power supplies for POW-LED modules
- Controlled constant output current
- SELV
- Over temperature and short circuit protection
- Overload and overvoltage protection
- Identification of polarity: +/-
- Safety: EN 61347
- Radio Interferences: EN 55015
- Harmonics: EN 61000-3-2
- Immunity: EN 61547
- POW-LED modules on constant-current power supply units may only be operated in series connection
- POW-LED modules on constant-voltage power supply units may only be operated in parallel connection
- For detailed information and connection diagrams, please refer to the respective installation manual

	Article code	Protection class	RECESSED SPOTLIGHTS						SURFACE-MOUNTED SPOTLIGHTS						RETROFIT SPOTLIGHTS		
			4.0012	4.0171 - 3 LED	4.0171 - 6 LED	4.0199	4.0271	4.3061	4.0240	4.0011.15	4.0072 - 350 mA - 3 LED	4.0072 - 700 mA - 3 LED	4.0072 - 6 LED	4.0192 - 350 mA	4.0192 - 12 V-DC	4.0365 - 350 mA	4.0365 - 12 V-DC
NOT DIMMABLE	5.0635.00.36	IP65 in Box	18-36 ¹	6-12 ²					18-36 ¹	6-12 ²		3		1			
	5.0635.65.03	IP66 (open strands)	3						3	1							
	5.0635.65.20	IP67 (open strands)	4-12						4-12	2-4							
	5.0670.00.06	IP67 (open strands)			1							1					
	5.0670.00.18	IP65 in Box					1										
	5.0670.00.30	IP67 (open strands)		2-4								2-4					
	5.0670.11.24	IP65 in Box					1										
	5.0670.65.20	IP67 (open strands)		2								2					
	5.0600.65.20	IP67 (open strands)						1									
	5.0600.65.61	IP67 (open strands)							3				3		1		
5.0600.65.12	IP67 (open strands)							6				9		3			
DIMMABLE	5.0635.03.30	IP20	7 (14)						7 (14)	2 (4)		(1)					
	5.0635.03.31	IP20	7 (14)						7 (14)	2 (4)		(1)					
	5.0670.00.15	IP65 in Box				1										1	
	5.0670.03.30	IP20		2 (3)							2 (3)						
	5.0670.03.31	IP20		2 (3)							2 (3)						
	5.0670.11.15	IP65 in Box				1											1

1st number: IEC 60598-2-18 standard (swimming pool) 2nd number in brackets: Only for areas without people inside the water

TECHNICAL DETAILS

	Modus	VDE protection specification [SELV]	Input voltage [V AC]	Input current max. [A AC @230V]	Frequency [Hz]	Output current max. [mA]	Output power max. [W]	Efficiency [%]	Secondary voltage [V DC]	Ambient temperature ta max. [°C]	Automatic circuit breakers max. devices per type B16	Type of dimming	Dimensions LxWxH [mm]	Weight [kg]	DIN rail mounting	Mounting box IP65
	CC	SELV	90-254	0,3	50-60	3x350	10-55	82	14-48	45		×	254x180x120	1,8	×	✓
	CC	SELV	90-264	0,1	47-63	350	3	72	3-12	40	157	×	52x30x23	0,45	×	on request
	CC	Class II	90-264	0,35	47-63	350	16,8	83	9-48	35	8	×	118x35x26	0,22	×	9.0630.65.30
	CC	Class II	90-264	0,7	47-63	1400	33,6	85	9-24	50	4	×	148x40x30	0,34	×	on request
	CC	SELV	90-254	0,7	50-60	3x700	10-55	82	3-28	45	5	×	254x180x120	1,8	×	✓
	CC	Class II	90-264	0,7	47-63	700	33,6	85	9-48	50	4	×	148x40x30	0,34	×	×
	CC	SELV	90-250	0,4	50-60	2100	85	82	12	45		×	254x180x90	2,77	×	✓
	CC	Class II	90-264	0,35	47-63	700	21	83	9-30	40	8	×	118x35x26	0,22	×	9.0630.65.30
	CV	Class II	90-264	0,35	47-63	1670	20	81	12	50	8	×	118x35x26	0,22	×	on request
	CV	SELV	90-305	0,4	47-63	5000	60	86	12	50	8	×	150x53x35	0,5	×	on request
	CV	SELV	90-305	0,65	47-63	10000	120	89	12	50	4	×	191x63x38	0,97	×	on request
	CC	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	350	30	85	2-55	50	53	DALI 2	130x72x28	0,286	×	9.0630.65.30
	CC	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	350	30	85	2-55	50	53	0-10 V	130x72x28	0,286	×	9.0630.65.30
	CC	SELV	90-264	0,72	50-60	3500	55	80	12	45		01-10 V	180x182x84	0,8	×	✓
	CC	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	700	30	85	2-55	50	53	DALI 2	130x72x28	0,286	×	9.0630.65.30
	CC	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	700	30	85	2-55	50	53	0-10 V	130x72x28	0,286	×	9.0630.65.12
	CC	SELV	90-305	0,32	47-63	3500	60	87,5	9-15	50	9	1-10 V	254x180x111	1,0	×	✓

¹ 6-12 per channel

² 2-4 per channel

Power supply units for in-ground spotlights

- Constant current and constant voltage power supplies for POW-LED modules
- Controlled constant output current
- SELV
- Over temperature and short circuit protection
- Overload and overvoltage protection
- Identification of polarity: +/-
- Safety: EN 61347
- Radio Interferences: EN 55015
- Harmonics: EN 61000-3-2
- Immunity: EN 61547
- POW-LED modules on constant-current power supply units may only be operated in series connection
- POW-LED modules on constant-voltage power supply units may only be operated in parallel connection
- For detailed information and connection diagrams, please refer to the respective installation manual

		IN-GROUND SPOTLIGHTS											
	Article code	Protection class	4.0011	4.0025	4.0026	4.0071	4.0197 - 350 mA	4.0197 - 12 V-DC	4.0304 - 350 mA	4.0304 - 12 V-DC	4.0021	4.1025	4.1010
NOT DIMMABLE	5.0635.00.36	IP65 in Box	18-36 ¹			6-12 ²	3		1		18-36 ¹		
	5.0635.65.03	IP67 (open strands)	3	3	1	1					3		
	5.0635.65.20	IP67 (open strands)	4-12	4-12	2-4	2-4					12		
	5.0600.65.61	IP67 (open strands)						3		1			
	5.0600.65.12	IP67 (open strands)						9		3			
	5.1010.65.20	IP67 (open strands)										6	2
	5.1010.65.60	IP67 (open strands)										18	5
DIMMABLE	5.0635.03.30	IP20	7 (14)	7 (14)	2 (4)	2 (4)	(1)						
	5.0635.03.31	IP20	7 (14)	7 (14)	2 (4)	2 (4)	(1)						

1st number: IEC 60598-2-18 standard (swimming pool) 2nd number in brackets: Only for areas without people inside the water

TECHNICAL DETAILS

	Modus	VDE protection specification [SELV]	Input voltage [V AC]	Input current max. [A AC @230V]	Frequency [Hz]	Output current max. [mA]	Output power max. [W]	Efficiency [%]	Secondary voltage [V DC]	Ambient temperature ta max. [°C]	Automatic circuit breakers max. devices per type B16	Type of dimming	Dimensions LxWxH [mm]	Weight [kg]	DIN rail mounting	Mounting box IP65
	CC	SELV	90-254	0,3	50-60	3x350	10-55	82	14-48	45		×	254x180x120	1,8	×	✓
	CC	SELV	90-264	0,1	47-63	350	3	72	3-12	40	157	×	52x30x23	0,45	×	on request
	CC	Class II	90-264	0,35	47-63	350	16,8	83	9-48	35	8	×	118x35x26	0,22	×	9.0630.65.30
	CV	SELV	90-305	0,4	47-63	5000	60	86	12	50	8	×	150x53x35	0,5	×	on request
	CV	SELV	90-305	0,65	47-63	10000	120	89	12	50	4	×	191x63x38	0,97	×	on request
	CV	Class II	90-264	0,35	47-63	840	20,2	83	24	50	8	×	118x35x26	0,22	×	✓
	CV	SELV	90-264	0,4	47-63	2500	60	87	24	50	12	×	196x62x39	0,88	×	✓
	CC	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	350	30	85	2-55	50	53	DALI 2	130x72x28	0,286	×	9.0630.65.30
	CC	SELV	120-250 (ENEC) 120-277 (UL)	0,35	50-60	350	30	85	2-55	50	53	0-10 V	130x72x28	0,286	×	9.0630.65.30

¹ 6-12 per channel

² 2-4 per channel

Controller for CENTUM spotlights

- Controller for POW-LED modules
- DMX512 interface in/out
- Master/slave for synchronisation of several controllers
- Temperature control (NTC)
- Optional control units for programme selection and control of colours and colour sequences
- Partly stand-alone programs and colour sequences (red/green/blue/cyan/pink/yellow/white/3 Colour Change/all on)
- For detailed information and connection diagrams, please refer to the respective installation manual
- Units for DIN rail mounting may require the use of an additional DMX dongle (item 5.0670.09.65)

Article code	Protection class	CONTROL UNITS					RECESSED SPOTLIGHTS					SURFACE-MOUNTED SPOTLIGHTS				RETROFIT SPOTLIGHTS				
		Remote control 5.0690.09.55	DMX-Touch-Panel 5.0690.09.36	DMX-WiFi-Module 5.0690.09.20	DMX-USB-Box 5.0690.09.10	DMX-KeyPad 5.0690.09.11	4.0052	4.0102	4.0202	4.0292	4.0492	4.0050	4.0100.30	4.0100.00	4.0290	4.0290.15 ÜW	4.0490	4.0291 (4.0291.58/57)	4.1913 (4.1900)	4.2013 (4.2000)
5.0635.19.52	IP65 in Box	✓	✓	✓	✓	✓	6 (12)	2 (4)				6 (12)	2 (4)		1					
5.0670.19.52	IP65 in Box	✓	✓	✓	✓	✓			1					1						
5.0630.09.52	IP20	✓	✓	✓	✓	✓				1							1			
5.0620.19.52	IP65 in Box	✓	✓	✓	✓	✓							2 (4)							
5.0670.39.52	IP65 in Box	✓	✓	✓	✓	✓												1		
5.0670.49.52	IP20	✓	✓	✓	✓	✓				1					1					
5.0670.69.52	IP65 in Box	✓	✓	✓	✓	✓													1	

1st number: IEC 60598-2-18 standard (swimming pool) 2nd number in brackets: Only for areas without people inside the water

Exclusively developed controllers ensure safe and trouble-free operation of CENTUM spotlights. The correct function and optimum colour light control of the RGB-W luminaires is only guaranteed in combination with the approved controller.

TECHNICAL DETAILS

VDE protection specification [SELV]	Input voltage [V AC]	Input current max. [A AC @230V]	Frequency [Hz]	Output current max. [mA]	Output power max. [W]	Efficiency [%]	Secondary voltage [V DC]	Ambient temperature ta max. [°C]	Automatic circuit breakers max. devices per type B16	DMX512 in/out	Stand-alone programmes	Master/Slave Synchro	Type of dimming	Dimensions LxWxH [mm]	Weight [kg]	DIN rail mounting	Mounting box IP65
SELV	108-305	0,5	50-60	4x350	19,25	86	2-55	Max 35°	38	✓	×	✓	DMX/ RDM	254x180x111	0.6	×	✓
SELV	108-305	0,5	50-60	4x700	38,5	86	2-55	Max 35°	38	✓	×	✓	DMX/ RDM	254x180x111	0.6	×	✓
SELV	90-295	1,0	47-63	4x1500	56	91.5	13,5-16,5	Max 30°	4	✓	✓	✓	DMX512	243x82x71	1.2	✓	9.0630.65.12
SELV	108-305	0,5	50-60	4x200	11	86	2-55	Max 35°	38	✓	×	✓	DMX/ RDM	254x180x111	0.6	×	✓
SELV	108-264	0,7	50-60	4x700 1000*	38,5 12*	86 82*	2-55 12*	Max 35°	10	✓	×	✓	DMX/ RDM	254x180x111	0.6	×	✓
SELV	90-264	1,1	47-63	4x2800	180	94	24	Max 30°	3	✓	✓	✓	DMX	243x82x71	1,2	✓	9.0630.65.12
SELV	90-264	1,3	50-60	4x2800 1000*	190	94	24 12*	Max 30°	3	✓	×	✓	DMX	254x180x111	2,85	×	✓

*Details for the integrated power supply unit of the fan

Controller for recessed and surface-mounted spotlights

- Controller for POW-LED modules
- DMX512 interface in/out
- Master/slave for synchronisation of several controllers
- Temperature control (NTC)
- Optional control units for programme selection and control of colours and colour sequences
- Partly stand-alone programs and colour sequences (red/green/blue/cyan/pink/yellow/white/3 Colour Change/all on)
- For detailed information and connection diagrams, please refer to the respective installation manual
- Units for DIN rail mounting may require the use of an additional DMX dongle (item 5.0670.09.65)

Article code	Protection class	CONTROL UNITS					RECESSED SPOTLIGHTS					SURFACE-MOUNTED SPOTLIGHTS					RETROFIT SPOTLIGHTS								
		Remote control - 5.0690.09.55	DMX-Touch-Panel - 5.0690.09.36	DMX-WiFi-Module - 5.0690.09.20	DMX-USB-Box - 5.0690.09.10	DMX-KeyPad - 5.0690.09.11	4.0012	4.0171 - RGB	4.0171 - RGB-W - DW	4.0199 - RGB	4.0199 - RGB-W	4.0271	4.3061	4.0240	4.0011.15	4.0072 - RGB - 350 mA	4.0072 - RGB - 700 mA	4.0072 - RGB-W - DW	4.0192 - RGB - 350mA	4.0192 - RGB - 700mA	4.0365 - RGB	4.0365 - RGB-W	4.0299 - RGB	4.0299 - RGB-W	
5.0635.09.16	IP65 in Box	✓	✓	✓	✓	✓	4							4	4										
5.0635.09.24	IP65 in Box	✓	✓	✓	✓	✓	5-8							5-8											
5.0635.09.50	IP65 in Box	✓	✓	✓	✓	✓	5-12							5-12			3		1						
5.0635.09.52	IP20	✓	✓	✓	✓	✓		12									12								
5.0670.09.18	IP65 in Box	✓	✓	✓	✓	✓	2				1				2				1						
5.0670.19.24	IP65 in Box	✓	✓	✓	✓	✓			1	1												1			
5.0670.09.52	IP20	✓	✓	✓	✓	✓			2			4									1		2		

TECHNICAL DETAILS

	VDE protection specification [SELV]	Input voltage [V AC]	Input current max. [A AC @230V]	Frequency [Hz]	Output current max. [mA]	Output power max. [W]	Efficiency [%]	Secondary voltage [V DC]	Ambient temperature ta max. [°C]	Automatic circuit breakers max. devices per type B16	DMX512 in/out	Stand-alone programmes	Master/Slave Synchro	Type of dimming	Dimensions LxWxH [mm]	Weight [kg]	DIN rail mounting	Mounting box IP65
	SELV	90-254	0,6	50-60	3x350	12	82	15	45		✓	✓	✓	DMX	254x180x120	1,6	✗	✓
	SELV	90-254	0,72	50-60	3x350	40	82	24	45		✓	✓	✓	DMX	254x180x120	1,8	✗	✓
	SELV	90-254	0,3	50-60	3x350	55	82	14-48	45		✓	✓	✓	DMX	254x180x120	1,8	✗	✓
	SELV	90-264	0,8	47-63	4x350	70	82	2-48	45	16	✓	✓	✓	DMX	125x120x80	0,75	✓	✗
	SELV	90-254	0,7	50-60	3x700	55	82	24	45		✓	✓	✓	DMX	254x180x120	1,9	✗	✓
	SELV	230	0,4	50-60	3x2100	85	82	12	45		✓	✓	✓	DMX	254x180x90	2,5	✗	✓
	SELV	90-295	1,0	47-63	12500	1-150	91,5	12	30	4	✓	✓	✓	DMX	243x82x101	1,2	✓	5.0670.65.72

Controller for in-ground spotlights

- Controller for POW-LED modules
- DMX512 interface in/out
- Master/slave for synchronisation of several controllers
- Temperature control (NTC)
- Optional control units for programme selection and control of colours and colour sequences
- Partly stand-alone programs and colour sequences (red/green/blue/cyan/pink/yellow/white/3 Colour Change/all on)
- For detailed information and connection diagrams, please refer to the respective installation manual
- Units for DIN rail mounting may require the use of an additional DMX dongle (item 5.0670.09.65)

Article code	Protection class	CONTROL UNITS					IN-GROUND SPOTLIGHTS									
		Remote control - 5.0690.09.55	DMX-Touch-Panel - 5.0690.09.36	DMX-WiFi-Module - 5.0690.09.20	DMX-USB-Box - 5.0690.09.10	DMX-KeyPad - 5.0690.09.11	4.0025	4.0026	4.0071	4.0197	4.0304	4.3030	4.3060	4.3090	4.3012	4.0198
5.0635.09.16	IP65 in Box	✓	✓	✓	✓	✓	4	4	4							1
5.0635.09.50	IP65 in Box	✓	✓	✓	✓	✓	5-12	5-12	5-12	3	1	6	2	1	1	3

TECHNICAL DETAILS

	VDE protection specification [SELV]	Input voltage [V AC]	Input current max. [A AC @230V]	Frequency [Hz]	Output current max. [mA]	Output power max. [W]	Efficiency [%]	Secondary voltage [V DC]	Ambient temperature ta max. [°C]	Automatic circuit breakers max. devices per type B16	DMX512 in/out	Stand-alone programmes	Master/Slave Synchro	Type of dimming	Dimensions LxWxH [mm]	Weight [kg]	DIN rail mounting	Mounting box IP65
	SELV	90-254	0,6	50-60	3x350	12	82	15	45		✓	✓	✓	DMX	254x180x120	1,6	✗	✓
	SELV	90-254	0,3	50-60	3x350	55	82	14-48	45		✓	✓	✓	DMX	254x180x120	1,8	✗	✓

Remote Control

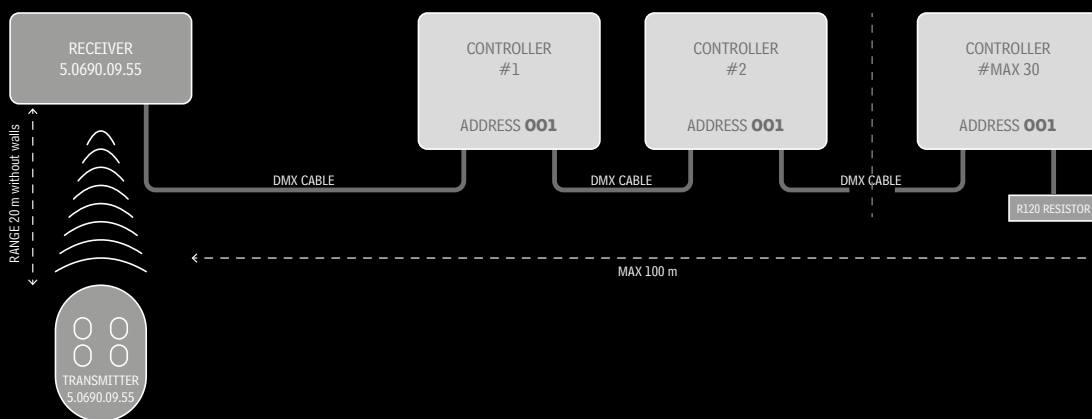
- Radio remote control for WIBRE controllers
- Control unit for RGB and RGB-W spotlights
- 34 preconfigured programs
- 28 fixed colours with adjustable brightness
- 6 colour changes with adjustable speed
- Program selection and setting via 434 MHz handheld transmitter
- 3-digit 7-segment display
- DMX output
- Radio receiver at 434 MHz
- 2 buttons for selection of the programs
- 2 buttons for setting brightness and velocity
- Digital program display on the receiver
- Input voltage: 230 V
- Scope of delivery: handheld transmitter and receiver



Classic control of predefined scenes

The classic among the RGB-W controls gets by without frills. With factory-defined programmes, such as single and mixed colours, colour change and white, all common colour combinations are covered.

All you have to do with the handy remote control is select the programme using the four keys. Quick and easy – ideal for small and private installations.



#					
5.0690.09.55	DMX-Remote-Controller - Receiver	160 x 80 x 60 mm	0,3 kg	IP20	0°C - 40°C
	DMX-Remote-Controller - Transmitter	80 x 50 x 17 mm	0,1 kg	IP20	0°C - 40°C

DMX-USB-Box

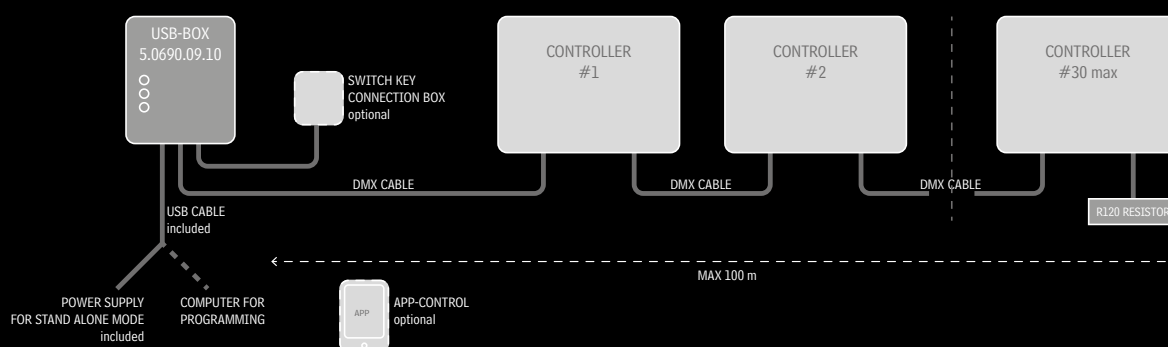
- DMX stand-alone control for RGB-W
- USB connectivity for programming/control
- Up to 2 DMX512 universes in live and stand-alone mode
- Stand-alone mode with 99 scenes and 1 zone
- internal flash memory for storing stand-alone programs
- 8 potential-free push-button connections possible via HE10 connector (I/O port)
- Windows/Mac software to set dynamic colours/effects
- 2 buttons to change scene, 1 button to change dimmer
- iPhone/iPad/Android remote App optional
- Input voltage: 5-5,5V DC, 0,6 A
- Power connection: USB Type-C



Complex coloured light control in a small space

The DMX USB box is used for extensive control of the colours of RGB and RGB-W luminaires. The small box allows for infinite colour mixes and sequences. It is easy to operate and provides a variety of functions, among them

stand-alone operation, PC control, and the control via potential-free pushbuttons, or as an option, an app as remote control. Lighting levels, colours and effects can be programmed from a PC or Mac using the software supplied.



#					
5.0690.09.10	DMX-USB-Controller	79 x 92 x 43 mm	0,12 kg	IP20	0°C - 50°C

DMX-KeyPad

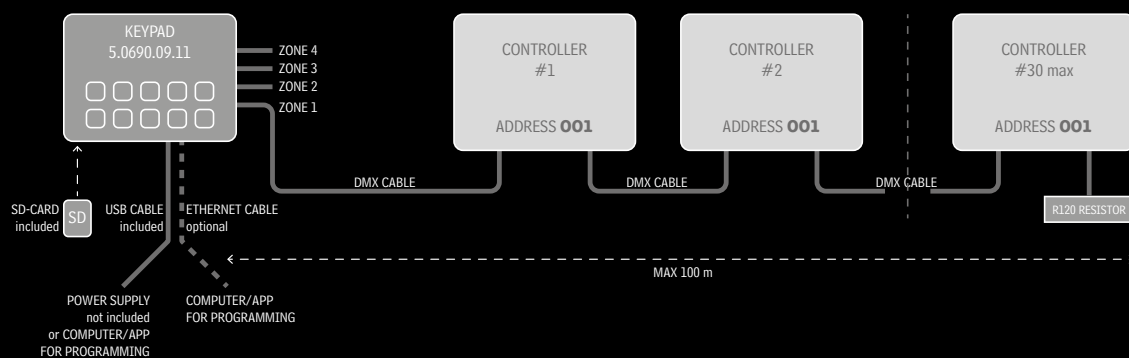
- DMX stand-alone controller for RGB-W
- USB and Ethernet connection for programming
- DMX512 connection in stand-alone mode
- Stand-alone mode with 99 scenes and 4 zones
- SD flash memory card for saving stand-alone programmes
- Windows/Mac software for setting dynamic colours/effects
- 10 buttons for direct access, 2 buttons to change scene, 1 button to change zone
- Connections: Type C USB, XLR3, Ethernet, 20-pin (2x10) male IDC connector, battery
- Input voltage: 5-5.5V DC, 0.6 A
- Power connection: USB Type-C
- Incl. metal bracket for wall or table mounting



Quick and direct access to your scenes

This intuitive and compact control is quite impressive. With the illuminated keys, 10 pre-settings can be called up directly at the touch of a button, with the arrow keys you scroll through the remaining 89 scenes and the ABC keys

enable a quick change between four zones. It couldn't be any easier – ideal for calling up colours quickly, without any prior knowledge.



#					
5.0690.09.11	DMX-KeyPad-Controller	160 x 90 x 45 mm	0,27 kg	IP20	0°C - 50°C

DMX-Touch-Panel

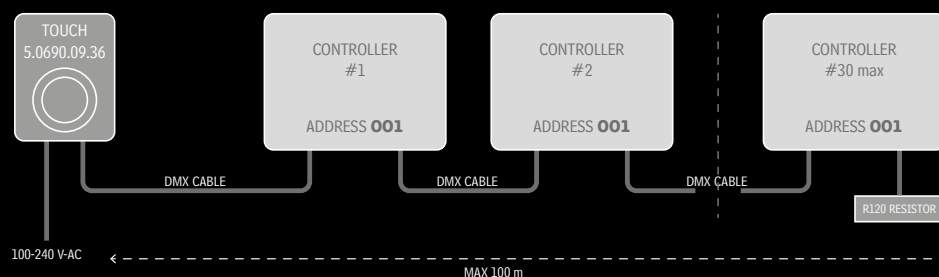
- DMX stand-alone controller for RGB-W
- DMX512 connection
- Stand-alone mode with 4 scenes and 4 zones
- Touch wheel for direct colour selection, 4 freely assignable memory keys
- Dimming range 0~100%
- Dimming curve linear
- Input voltage: 100-240 V-AC
- Mounting type: wall mounting



Smart colour light control without programming

This timeless module is predestined for individual and simple colour selection for RGB-W spotlights. Its touch-sensitive surface provides immediate access to your desired colour; just use the colour wheel or the four storage spaces

that can be assigned as desired. The light is also infinitely dimmable. All in one wall module, no programming skills are needed.



#					
5.0690.09.36	DMX-Touch-Controller	86 x 86 x 36 mm	0,23 kg	IP20	-20°C - 55°C

DMX-WiFi-Module

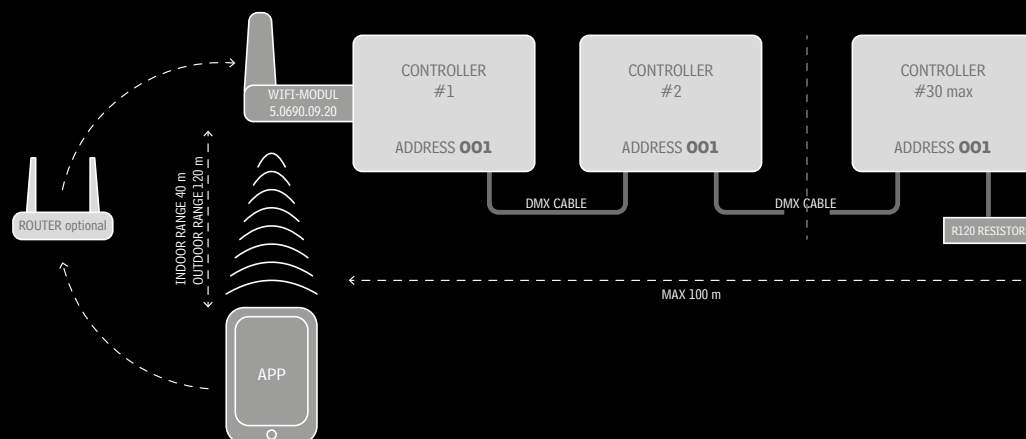
- DMX stand-alone controller for RGB-W
- DMX512 connection
- WLAN ArtNet Node, wireless 2.4GHZ network, IEEE 802.11 b/g/n
- Easy installation via integrated web interface
- Independent operating system
- Internal scene memory for over 500 scenes
- Input voltage: 5 V-DC, power supply included
- Direct mounting via 3-pole Neutrik XLR socket



Small, simple and wireless to your lighting control system

This WiFi module is a compact interface for controlling and creating intelligent lighting effects, simply by app. Thanks to the fully-fledged WiFi function, the module can be used without a separate access point. Nevertheless, it is possible

to integrate it into your own network environment. In this way, you are able to operate the spotlights without any cables at all.

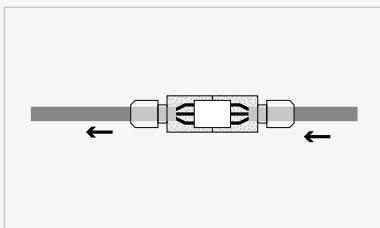


#					
5.0690.09.20	DMX-WiFi-Controller	105 x 20 x 52 mm	0,11 kg	IP20	0°C - 40°C

IP68 connectors and distributors

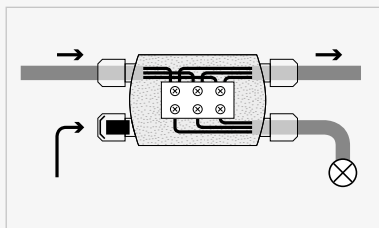
- Connection and distributor systems for connecting cables and attaching lights for use in outdoor areas IP67 (e.g. soil, gravel) or underwater IP68 (e.g. ponds, fountains, swimming pools).
- Caution: In heavily chlorinated, chemically treated water or water treated with brine use is only possible to a limited extent and after consultation.

electrical connection with 3-pole-cable



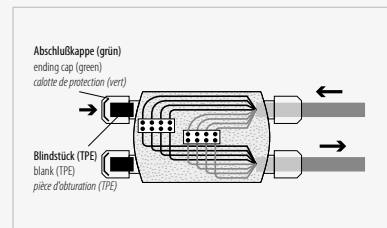
9.9011.02.13

through-wiring with 1 luminaire



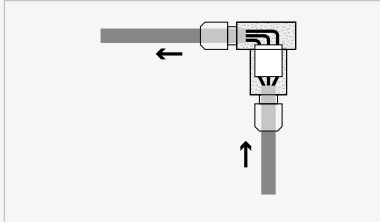
9.9011.03.03

electrical connection with multi-core-cables (e.g. RGB luminaires)



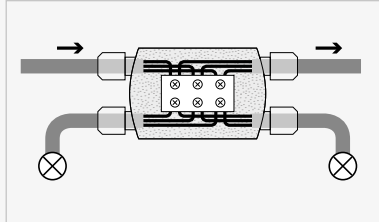
9.9011.03.09

electrical connection with 3-pole-cable



9.9011.02.03

through-wiring with 2 luminaires



9.9011.04.03

Versions

#	Type	IP	Material	Form	Entries	Cable ø	Clamp	Dimensions	
9.9011.02.13	Distributor box	IP68	Plastic	I-Form	2	7-13,5 mm	3-pole (0,5-4qmm)	90 x 32 x 32 mm	
9.9011.02.03	Distributor box	IP68	Plastic	L-Form	2	5-14 mm	3-pole and blank piece (max 4qmm)	73 x 67 x 30 mm	
9.9011.03.03	Distributor box	IP68	Plastic	Box	3	5-14 mm	3-pole and blank piece (max 4qmm)	108 x 65 x 28 mm	
9.9011.04.03	Distributor box	IP68	Plastic	Box	4	5-14 mm	3-pole and blank piece (max 4qmm)	108 x 65 x 28 mm	
9.9011.03.09	Distributor box	IP68	Plastic	Box	3	5-14 mm	10 gel-clips and blank piece (max 1qmm)	108 x 65 x 28 mm	
9.9011.00.25	Sealing compound		mixing bag, 170 ml · for 9 small or 3 large distributor						

Special underwater cable

#	Unit	Cable cross section	Outer diameter +/-5%
9.6150.02.40	per m	2x4,0 qmm	9,7 mm
9.6150.02.60	per m	2x6,0 qmm	12,0 mm
9.6150.03.15	per m	3x1,5 qmm	7,5 mm
9.6150.04.10	per m	2x4,0 + 1x1,0 qmm	9,7 mm
9.6150.04.41	per m	1x4,0 + 4x1,0 + 2x0,25 qmm	10,7 mm
9.6150.06.05	per m	6x0,5 qmm	7,1 mm
9.6150.06.10	per m	6x1,0 + 2x0,5 qmm	10,4 mm
9.6150.08.02	per m	8x0,25 qmm	6,9 mm
9.6150.08.15	per m	8x0,5 qmm	7,9 mm
9.6150.10.05	per m	10x0,5 qmm	10,0 mm
9.6150.10.10	per m	10x1,0 qmm	11,1 mm
9.6150.13.25	per m	3x2,5 qmm	10,5 mm
9.6150.23.25	per m	3x2,5 qmm	10,5 mm
9.6150.25.40	per m	2x2,5 + 4x0,5 qmm	9,5 mm

Cable protection tube

#	Unit	Type	Inner diameter	Outer diameter +/-5%
9.0068.00.00	per m	50 m/Roll - flexibel gerillt/flexible flûte/drainurée flexible	ø 21,9 mm	ø 28,1 mm
9.6300.00.00	per m	50 m/Roll - flexibel/flexible	ø 20 mm	ø 25 mm

Cable gland, tube support

M20x1,5 Cable gland metric PVDF/TPE

#	Cable cross section	Thread size	Protection class	For installation housing
87.4.00067.008	ø-Kabel 8-5 mm	M20x1,5	IP68	4.0012, 4.0052, 4.0102
87.4.00067.009	ø-Kabel 9,5-6,5 mm	M20x1,5	IP68	4.0199, 4.0171, 4.0240, 4.0292, 4.0492, 4.3061

DK68 Cable duct support, 316L stainless steel, with counter nut brass

#	Cable cross section	Thread size	Protection class
9.9006.40.00	ø-Kabel 11-8 mm	DK68	IP68

DK68 Cable duct support, plastic, with counter nut brass

#	Cable cross section	Thread size	Protection class
9.9006.41.00	ø-Kabel 11-8 mm	DK68	IP68

Branch boxes

Underwater distribution box made of V4A stainless steel for use in special areas like swimming pools, fountains, damp rooms and containers. The branch box can be used to a maximum depth of 3m and is available in different versions. The numbered models shown are examples for information only. Please make sure that you specify the designated cable diameters on the input and output side with your order so that we can supply you with the correct seal inserts. (IP68-rated protection is only available in conjunction with special underwater cables or silicon cables. In addition, the box needs to be filled with epoxy resin or silicon – please request the filling compound separately.)



#	Cable cross section	Cable cross section	Inner diameter	Dimensions
4.0268.10.13	1 input PG21, PVDF, Ø-Cable 14–18 mm	3 outputs PG16, PVDF, Ø-Kabel 9–13,5 mm	IP68/IP67	Ø 226 x 95 mm
4.0268.10.15	1 input PG21, PVDF, Ø-Cable 14–18 mm	5 outputs PG16, PVDF, Ø-Kabel 9–13,5 mm	IP68/IP67	Ø 226 x 95 mm
4.0268.10.17	1 input PG21, PVDF, Ø-Cable 14–18 mm	7 outputs PG16, PVDF, Ø-Kabel 9–13,5 mm	IP68/IP67	Ø 226 x 95 mm

Replacement

Mounting plate

Mounting plates for replacement to Wibre Swimmingpool Lights

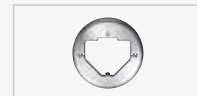
Mounting plates for 4.0271 and 4.0272

#	Form	Material	Dimensions
9.8167.00.00	square	V4A	290 x 290 x 11 mm
9.8267.00.00	round	V4A	Ø 302 x 9 mm



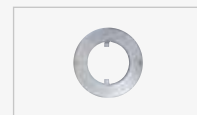
Mounting plates for 4.0291

#	Form	Material	Dimensions
9.0291.40.00	square	V4A	290 x 290 x 9 mm
9.0291.20.00	round	V4A	Ø 302 x 9 mm



Mounting plate for 4.0199

#	Unit
9.0199.20.00	made of V4A stainless steel D300mm with 2 fixing holes (TK270mm), for adaptation to 4.0199 series with already installed housing
9.0299.20.00	round, made of V4A stainless steel D302mm with 2 fixing holes (TK236mm), for adaptation to 4.0299 series with already installed housing
9.0299.40.00	square, made of V4A stainless steel 290 x 290 mm with 2 fixing holes (TK236mm), for adaptation to 4.0299 series with already installed housing



Wall duct tube

#	Description	Dimensions
9.9700.00.50	V4A stainless steel wall conduit for Built-in Pots, used if it is no longer possible to change the cable.	> 500 mm
9.9700.00.10		> 1000 mm
9.9700.00.15		> 1500 mm



Flanges

Flanges for WIBRE build-in pots

pressure flange – for thin-walled pools or pools with fitted plastic foil

#	For installation housing	Dimensions
4.0492.00.25	for 4.0492	ø 385 mm
4.0274.00.25	for 4.0274	ø 226 mm, with mounting brackets
4.0292.00.25	for 4.0292	ø 234 mm
4.0299.00.25	for 4.0299	ø 226 mm, without mounting brackets
4.0199.00.25	for 4.0199/4.0202	ø 218 mm
4.0102.00.25	for 4.0102.20	ø 155 mm
4.0102.40.25	for 4.0102.40	155 x 155 mm
4.0052.00.25	for 4.0052	ø 84 mm
4.0171.00.25	for 4.0171	ø 137 mm
4.0012.00.25	for 4.0012	ø 80 mm

adhesive flange – for adhesive/foil coating

#	For installation housing	Dimensions
4.0492.55.55	for 4.0492	ø 450 mm
4.0274.55.55	for 4.0274, 4.0299	ø 360 mm
4.0292.55.55	for 4.0292	ø 350 mm
4.0199.55.55	for 4.0199/4.0202	ø 360 mm
4.0102.55.55	for 4.0102	ø 155 mm
4.0052.55.55	for 4.0052	ø 150 mm
4.0171.55.55	for 4.0171	ø 215 mm
4.0012.55.55	for 4.0012	ø 150 mm

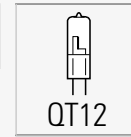
adhesive + pressure flange – for adhesive/foil coating with pressure flange DIN-Norm

#	For installation housing	Dimensions
4.0274.55.25	for 4.0274	ø 360 mm/ø 226 mm
4.0299.55.25	for 4.0299	ø 360 mm/ø 226 mm

Spare parts for halogen spotlights

WIBRE lamps

#	Lamps	Wattage		Version	Lumen	Light colour
7.2325.00.00	QT12	100W	12V	klar	2.200lm	3.000K

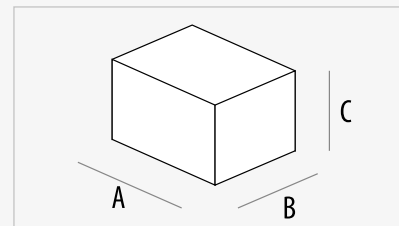


#	Lamps	Wattage		Version	Lumen	Light colour
7.2217.00.00	QT16	175W	12V	klar	5.100lm	3.000K
7.0217.00.00	QT16	200W	30V	klar	5.800lm	3.000K
7.0417.00.00	QT16	400W	30V	klar	11.600lm	3.000K
9.2217.00.00	QT16 - SET	175 W	12V	klar	5.100lm	3.000K
9.0217.00.00	QT16 - SET	200 W	30V	klar	5.800lm	3.000K
9.0417.00.00	QT16 - SET	400 W	30V	klar	11.600lm	3.000K



Safety transformers

The standard supply units for the operation of underwater lights are moulded safety transformers with separate windings, designed to comply with Protection class IP65 and contamination class P2.



#	Wattage		Connection	Dimensions	Protection class	Weight	Cable
5.0098.00.00	50 VA	1 x 50 W	12V-AC	(A) 170 x (B) 130 x (C) 80	IP65	2,4 kg	with cable
5.0100.00.00	100 VA	2 x 50 W	12 V-AC	(A) 170 x (B) 130 x (C) 80	IP65	3,2 kg	with cable
5.0101.00.00	150 VA	2 x 75 W	12 V-AC	(A) 185 x (B) 130 x (C) 90	IP65	3,6 kg	with cable
5.0311.00.00	200 VA	2 x 100 W	12 V-AC	(A) 185 x (B) 130 x (C) 105	IP65	4,0 kg	with cable
5.0103.00.00	350 VA	2 x 175 W	12 V-AC	(A) 215 x (B) 170 x (C) 110	IP65	6,7 kg	without cable

#	Wattage		Connection	Dimensions	Protection class	Weight	Cable
5.0410.00.01	200 VA	1 x 200 W	30 V-DC	(A) 220 x (B) 175 x (C) 120	IP65	4,4 kg	without cable
5.0420.00.01	400 VA	2 x 200 W	30 V-DC	(A) 310 x (B) 215 x (C) 120	IP65	7,6 kg	without cable

„Places can be designed and structured
using only the medium of light.“

Our range of products on offer is without engagement. Reservations are made to changes occasioned by technical development. The only valid pricelist is always the current issue.

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