



4.0100

2300 LUMEN

18 WATT

Ø 100 MM

FOR FOUNTAINS AND
EXTERIOR AREAS

PAGE 44



4.0050

675 LUMEN

5 WATT

Ø 50 MM

FOR FOUNTAINS AND
WATER FEATURES

PAGE 40

NEW SPOTLIGHT SERIES

CENTUM^{°°}

LIGHT UNDERWATER. REDEFINED.

CENTUM^{°°}, from the Latin and based on the word "century", refers to our many years of experience in the development and production of underwater lights, but at the same time marks the beginning of a new era.

The CENTUM^{°°} series includes built-in and surface mounted spotlights for the underwater area. The light sources used are particularly powerful and compact LED modules. The CENTUM^{°°} family has been successively upgraded upwards and downwards. A wide range of sizes, power levels and beam characteristics handle various installation situations and lighting tasks. Ultimately, complete lighting solutions with a uniform lighting design can be realized with CENTUM^{°°}.

Thanks to effective thermal management and low-loss light radiation, CENTUM^{°°} achieves one of the highest light outputs in the underwater area, with 166 lumens per watt. The permanent temperature monitoring and an integrated surge protection ensure the optimum operation of the LED technology. Of course, CENTUM^{°°} offers the tested and proven Wibre quality: The watertight housing with protection class IP68 consists of V4A-stainless steel 1.4571, 316L. The light output is sealed by a highly transparent, ultra-white glass.

CENTUM^{°°} is operated with 12 V-DC and thus guarantees the safety of the users according to standards and regulations. The long lifetime of this series has been certified by an independent institute.



4.0292

6900 LUMEN

42 WATT

Ø 230 MM

FOR LARGE AND MEDIUM
SWIMMING POOLS

PAGE 10



4.0202

4600 LUMEN

31 WATT

Ø 210 MM

FOR MEDIUM AND SMALL
SWIMMING POOLS

PAGE 26



4.0102

2300 LUMEN

18 WATT

Ø 150 MM

FOR SMALL SWIMMING POOLS
AND WATER FEATURES

PAGE 30



4.0052

675 LUMEN

5 WATT

Ø 76 MM

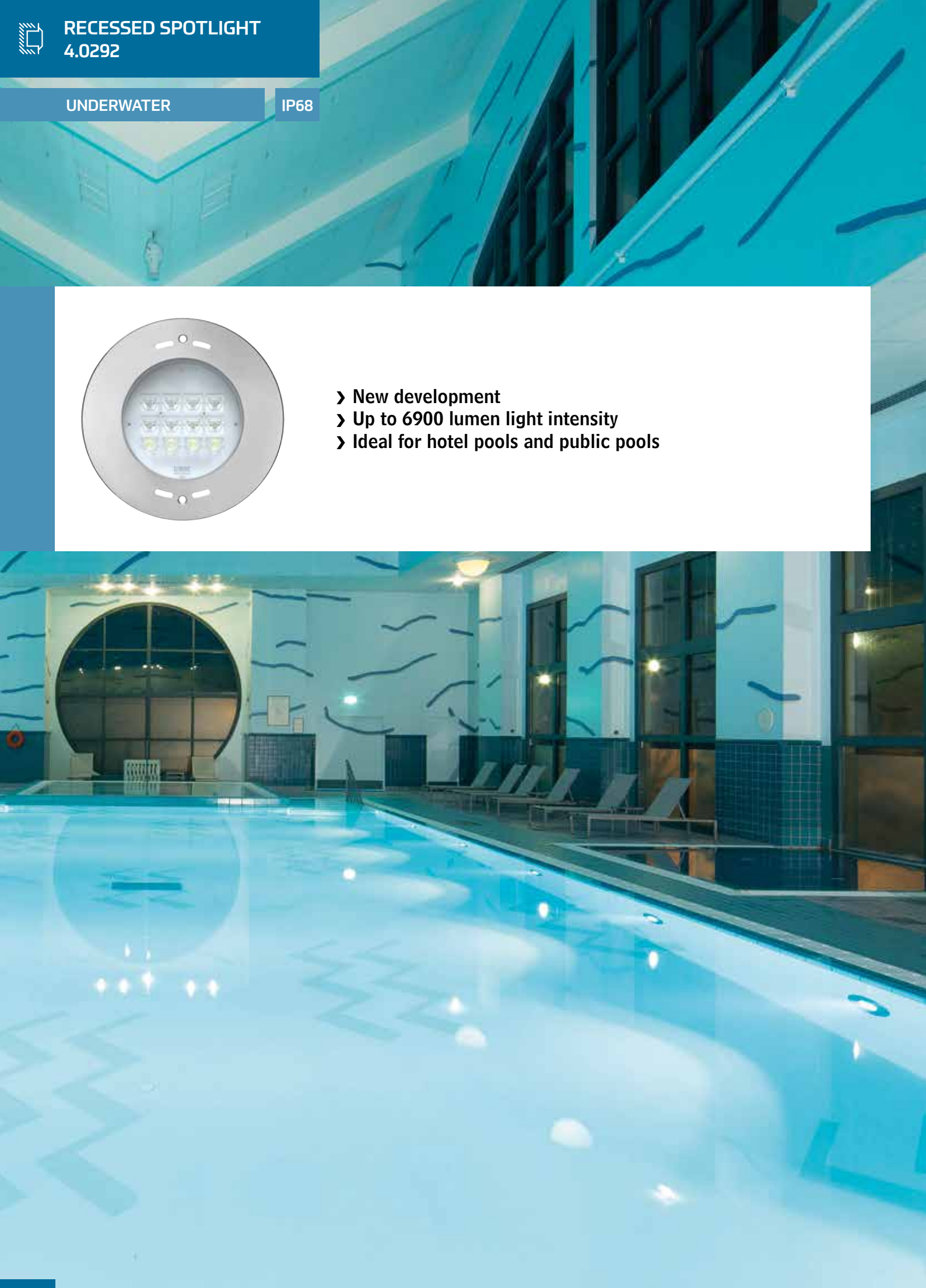
FOR SMALL SWIMMING POOLS
AND EFFECT LIGHTING

PAGE 34



CENTUM[®]
RECESSED SPOTLIGHTS
UNDERWATER

PAGES 8-37



- › New development
- › Up to 6900 lumen light intensity
- › Ideal for hotel pools and public pools

4.0292 | SWIMMINGPOOL-LIGHT

FOR ILLUMINATING MEDIUM AND LARGE SWIMMING POOLS.

IP68

STAINLESS
STEEL V4A
1.4571
316Ti

POW-LED
INCL.

3.000 K
4.500 K
6.000 K
BLUE

RGB-W

CONSTANT
CURRENT
KONSTANT
STROM

DALI
1-10V
OPTIONAL
DIMM

CABLE
INCL.

max 5m





CE





NEW SERIES
CENTUM°
LIGHT UNDERWATER.
REDEFINED.
INFO ON PAGE 6

NEW

- Protection class IP68 – up to 5m water depth
- 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



+ ADDITIONAL PARTS

TIPP mounting housing plastic, IP65, with 2 in/1 out, transparent cover, suitable for power supply 5.0630.01.12 and RGB-W Controller 5.0630.09.52 **9.0630.65.12**

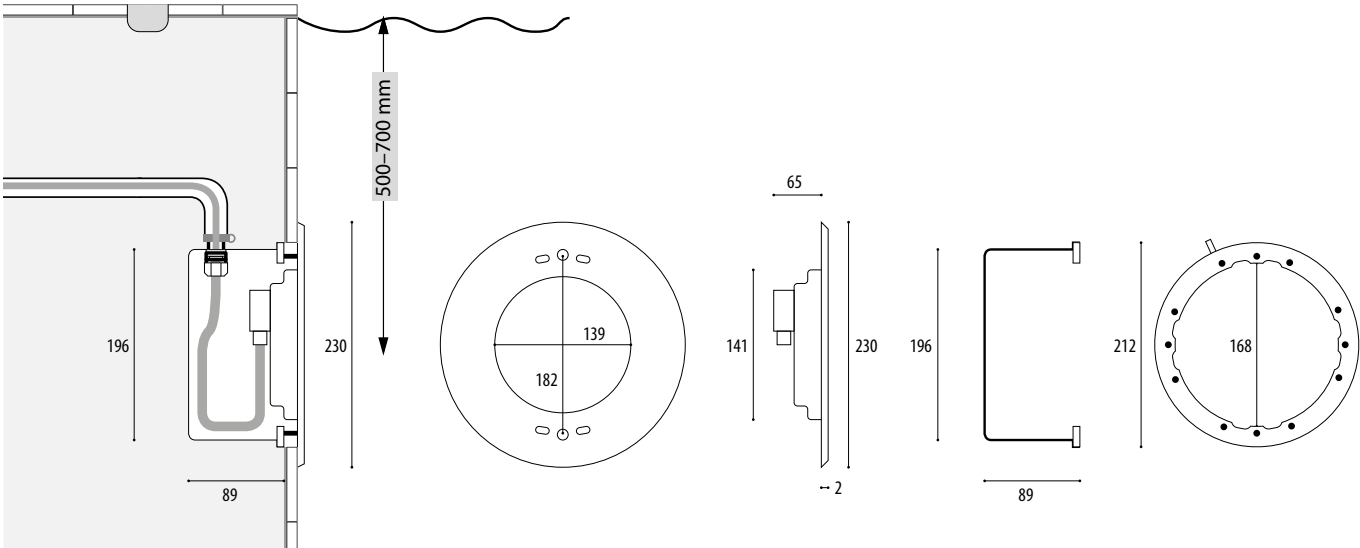
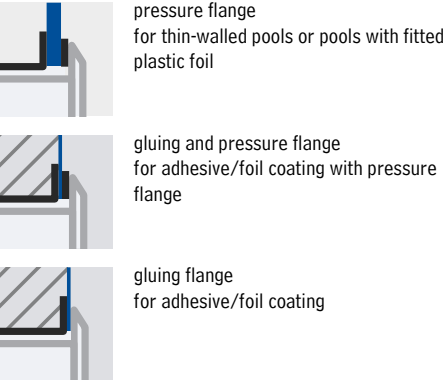
DMX
DONGLE
DMX-Dongle
load resistance 120 Ohm
5.0670.09.65

★ PRODUCT LINE

- **4.0292.73 – Standard Saline**
Recessed spotlights
(underwater)
> Page 14
- **4.0291 – Retrofit**
Recessed spotlights
(underwater)
> Page 18
- **4.0291.73 – Retrofit Saline**
Recessed spotlights
(underwater)
> Page 22



Installation housing



Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle	UW-Cable, installs
ONLY UNDERWATER OPERATION							
STANDARD VERSION - NEW INSTALLATION IN COMBINATION WITH INSTALLATION HOUSING							
4.0292.00.11	12 POW-LED	6900 lm	6000K cold white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.00.12	12 POW-LED	5640 lm	3000K warm white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.00.13	12 POW-LED	6036 lm	4500K neutral white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.00.16	48 POW-LED		500mW/LED royal blue 450 nm	total 49,5 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.00.41	12 Multichip POW-LED	cold white: 2100 lm	RGB-CW cold white 6000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm
4.0292.00.42	12 Multichip POW-LED	warm white: 1800 lm	RGB-WW warm white 3000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm
4.0292.00.43	12 Multichip POW-LED	neutral white: 1920 lm	RGB-NW neutral white 4500K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm

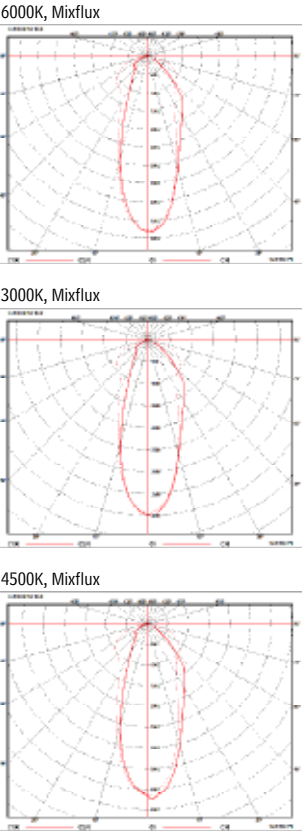
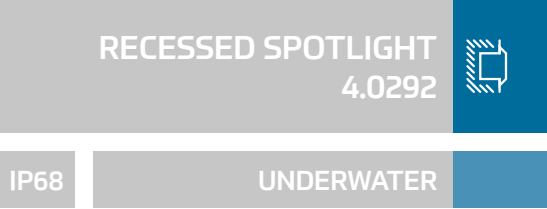
INSTALLATION HOUSING

4.0292.01.00	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
4.0292.02.00	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 234 mm)
4.0292.03.00	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 350 mm)



Power supplies Technical details see from page 234.

5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.01.12	Constant Current power supply, dimmable, max 1 spotlights	5.0630.03.12	Constant Current power supply, dimmable, max 3 spotlights	5.0630.10.12	Constant Current power supply, IP65, not dimmable, max 1 spotlights
5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.09.52	RGB-W-Controller, max 1 spotlights				
5.0630.09.52					
5.0630.09.52					



< Project
Carpesol, Bad Rothenfelde. Germany
Planner: Architekturbüro de witt janßen partner, Bad Zwischenhahn

NOTE

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 14

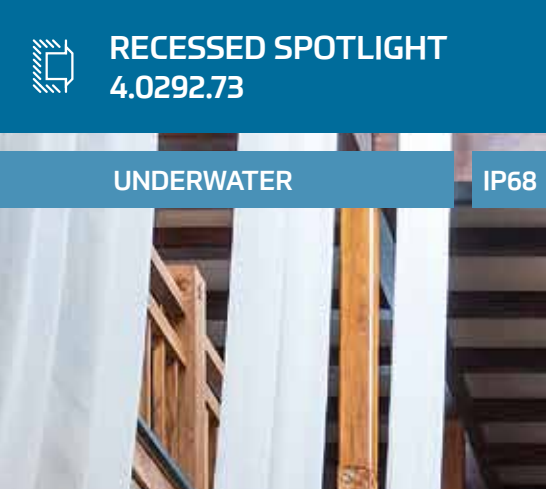
OPTIONS

Possible beam angle POW-LED



POW-LED monochrome, single colour in green, red, amber, blue, capri blue, 2700K

Individual configuration of the LED multichips possible



- › New development
- › Up to 6900 lumen light intensity
- › For baths with increased brine concentration



4.0292.73 | SWIMMINGPOOL-LIGHT

SALINE VERSION. FOR ILLUMINATING MEDIUM AND LARGE SWIMMING POOLS.



NEW SERIES
CENTUM°
LIGHT UNDERWATER.
REDEFINED.
INFO ON PAGE 6

NEW

- Protection class IP68 – up to 5m water depth
- 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



+ ADDITIONAL PARTS

TIPP mounting housing plastic, IP65, with 2 in/1 out, transparent cover, suitable for power supply 5.0630.01.12 and RGB-W Controller 5.0630.09.52
9.0630.65.12

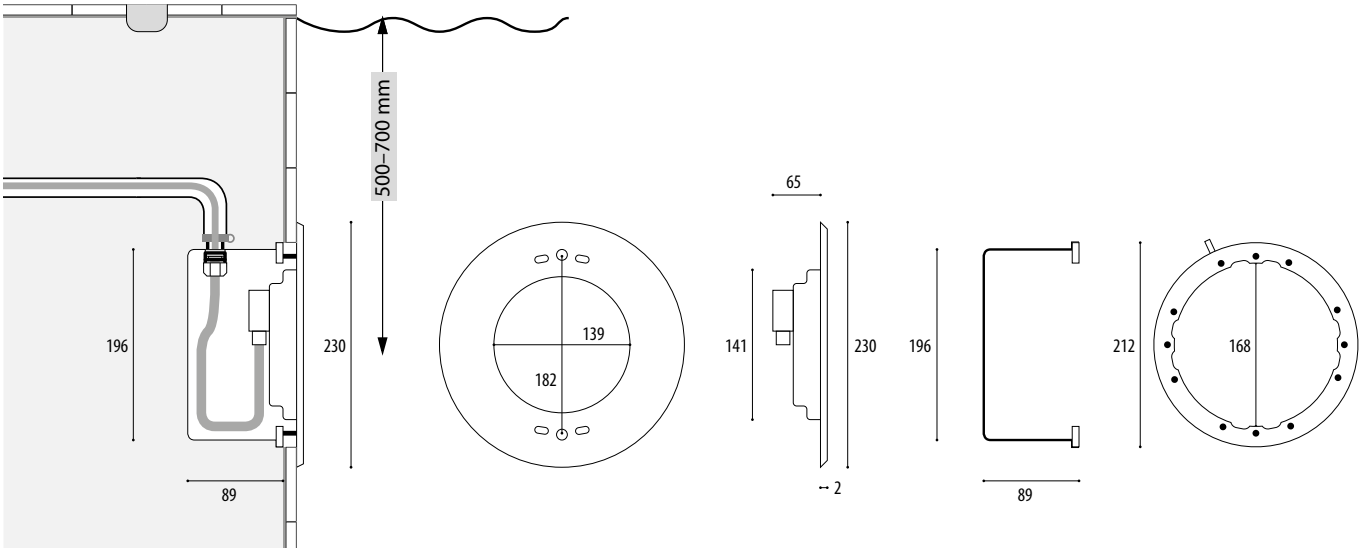
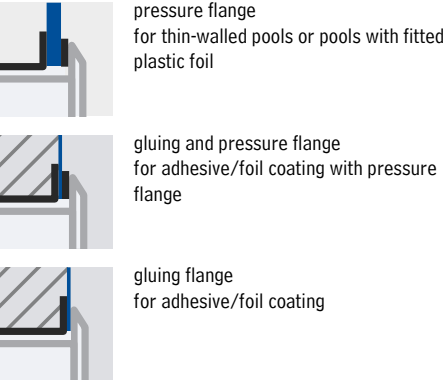
DMX DONGLE DMX-Dongle load resistance 120 Ohm
5.0670.09.65

★ PRODUCT LINE

-  **4.0292 – Standard**
Recessed spotlights (underwater)
> Page 10
-  **4.0291 – Retrofit**
Recessed spotlights (underwater)
> Page 18
-  **4.0291.73 – Retrofit Saline**
Recessed spotlights (underwater)
> Page 22



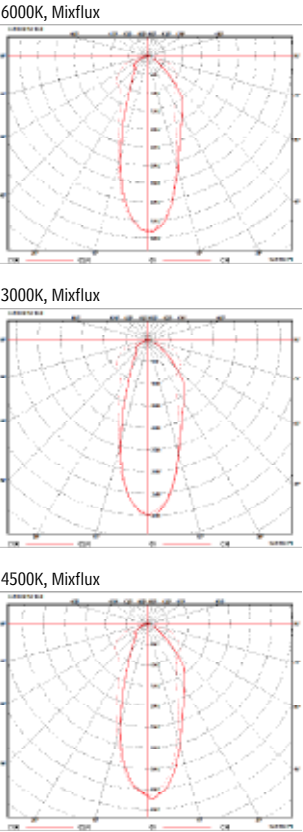
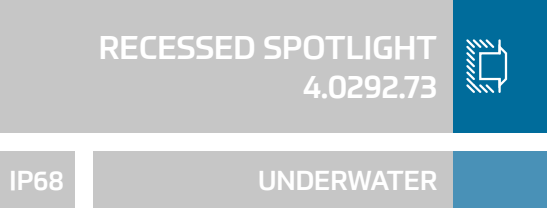
Installation housing



Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle	UW-Cable, installs
ONLY UNDERWATER OPERATION							
STANDARD SALINE VERSION - NEW INSTALLATION IN COMBINATION WITH INSTALLATION HOUSING							
4.0292.73.11	12 POW-LED	6900 lm	6000K cold white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.73.12	12 POW-LED	5640 lm	3000K warm white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.73.13	12 POW-LED	6036 lm	4500K neutral white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.73.16	48 POW-LED		500mW/LED royal blue 450 nm	total 49,5 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux	UW, 2x2,5 qmm
4.0292.73.41	12 Multichip POW-LED	cold white: 2100 lm	RGB-CW cold white 6000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm
4.0292.73.42	12 Multichip POW-LED	warm white: 1800 lm	RGB-WW warm white 3000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm
4.0292.73.43	12 Multichip POW-LED	neutral white: 1920 lm	RGB-NW neutral white 4500K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm

INSTALLATION HOUSING

4.0292.01.73	saline version, 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
4.0292.02.73	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)
4.0292.03.73	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)



< Project
Hotel Traube Tonbach, Germany
www.morlock-fotografie.de

NOTE

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.

OPTIONS

Possible beam angle POW-LED

15°

30°

45°

120°

15x50°

POW-LED monochrome, single colour in green, red, amber, blue, capri blue, 2700K

CUSTOM MADE

Individual configuration of the LED multichips possible

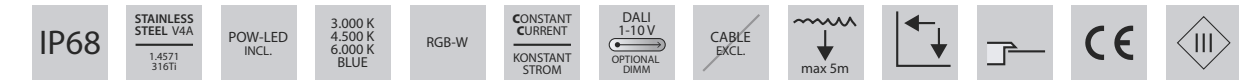


- › New development
- › Equivalent replacement for halogen (400 W)
- › Up to 6900 lumen light intensity



4.0291 | RETROFIT-SPOTLIGHT

FOR RETROFITTING IN EXISTING SWIMMING POOLS WITH EXISTING WIBRE INSTALLATION HOUSING. AS RETROFIT FOR MANY OTHER BRANDS.



NEW SERIES
CENTUM°
LIGHT UNDERWATER.
REDEFINED.
INFO ON PAGE 6

NEW

- Protection class IP68 – up to 5m water depth
- Entirely made of stainless steel 316Ti 1.4571, epolished
- 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

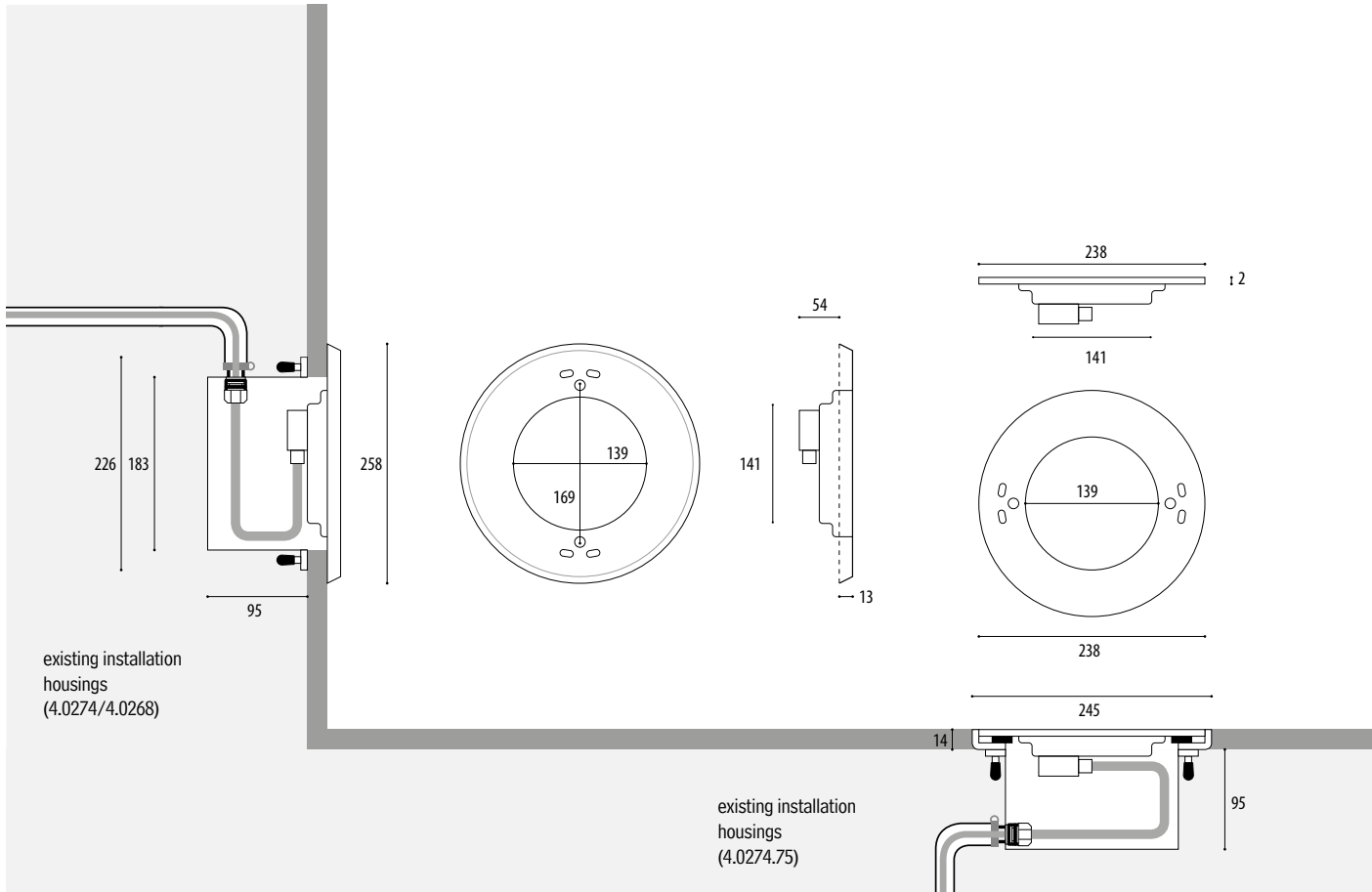


+ ADDITIONAL PARTS

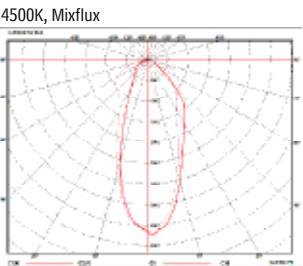
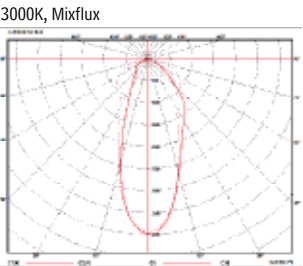
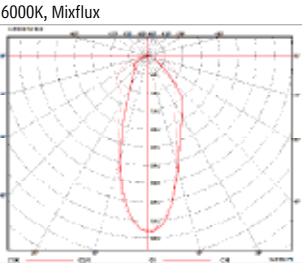
	2x2,5 qmm ø 8,0 mm, per m 9.6150.02.25		1x4,0 + 4x1,0 + 2x0,25 qmm ø 10,7 mm, per m 9.6150.04.41
	2x4,0 qmm ø 9,7 mm, per m 9.6150.02.40		DMX-Dongle load resistance 120 Ohm 5.0670.09.65
	Fixation bracket for built-in pot 4.0274 (Spotlight 4.0271, 4.0272, 4.0291) 9.0274.00.10		
	mounting housing plastic, IP65, with 2 in/1 out, transparent cover, suitable for power supply 5.0630.01.12 and RGB-W Controller 5.0630.09.52 9.0630.65.12		

★ PRODUCT LINE

	4.0291.73 – Retrofit Saline Recessed spotlights (underwater) > Page 22
	4.0292 – Standard Recessed spotlights (underwater) > Page 10
	4.0292.73 – Standard Saline Recessed spotlights (underwater) > Page 14



Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle
ONLY UNDERWATER OPERATION						
STANDARD VERSION - RETROFIT INSTALLATION FOR INSTALLATION HOUSING 4.0274/4.0268						
4.0291.00.11	12 POW-LED	6900 lm	6000K cold white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.00.12	12 POW-LED	5640 lm	3000K warm white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.00.13	12 POW-LED	6036 lm	4500K neutral white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.00.16	48 POW-LED		500mW/LED royal blue 450 nm	total 49,5 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.00.41	12 Multichip POW-LED	cold white: 2100 lm	RGB-CW cold white 6000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.00.42	12 Multichip POW-LED	warm white: 1800 lm	RGB-VW warm white 3000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.00.43	12 Multichip POW-LED	neutral white: 1920 lm	RGB-NW neutral white 4500K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
FLUSH MOUNTED VERSION - RETROFIT INSTALLATION FOR INSTALLATION HOUSING 4.0274.75						
4.0291.75.11	12 POW-LED	6900 lm	6000K cold white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.75.12	12 POW-LED	5640 lm	3000K warm white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.75.13	12 POW-LED	6036 lm	4500K neutral white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.75.16	48 POW-LED		500mW/LED royal blue 450 nm	total 49,5 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.75.41	12 Multichip POW-LED	cold white: 2100 lm	RGB-CW cold white 6000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.75.42	12 Multichip POW-LED	warm white: 1800 lm	RGB-VW warm white 3000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.75.43	12 Multichip POW-LED	neutral white: 1920 lm	RGB-NW neutral white 4500K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux



< Project
Actionbad Kokpunkten, Västerås, Sweden; Partner: Malux Sweden

NOTE

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.

RGB-W
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 22

OPTIONS

Possible beam angle POW-LED



POW-LED monochrome, single colour in green, red, amber, blue, capri blue, 2700K

Individual configuration of the LED multichips possible

Power supplies Technical details see from page 234.

5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.01.12	Constant Current power supply, dimmable, max 1 spotlights	5.0630.03.12	Constant Current power supply, dimmable, max 3 spotlights	5.0630.10.12	Constant Current power supply, IP65, not dimmable, max 1 spotlights
5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.09.52	RGB-W-Controller, max 1 spotlights				
5.0630.09.52					
5.0630.09.52					

5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.01.12	Constant Current power supply, dimmable, max 1 spotlights	5.0630.03.12	Constant Current power supply, dimmable, max 3 spotlights	5.0630.10.12	Constant Current power supply, IP65, not dimmable, max 1 spotlights
5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.09.52	RGB-W-Controller, max 1 spotlights				
5.0630.09.52					
5.0630.09.52					



- › Equivalent replacement for halogen (400 W)
- › Up to 6900 lumen light intensity
- › For baths with increased brine concentration



4.0291.73 | RETROFIT-SPOTLIGHT

SALINE VERSION. FOR RETROFITTING IN EXISTING SWIMMING POOLS WITH EXISTING WIBRE INSTALLATION HOUSING. AS RETROFIT FOR MANY OTHER BRANDS.

IP68

STAINLESS
STEEL V4A
1.4539
904L

POW-LED
INCL.

3.000 K
4.500 K
6.000 K
BLUE

RGB-W

CONSTANT
CURRENT
KONSTANT
STROM

DALI
1-10V
OPTIONAL
DIMM

CABLE
EXCL.

max 5m





CE





NEW SERIES

CENTUM°

LIGHT UNDERWATER.
REDEFINED.
INFO ON PAGE 6

NEW

- Protection class IP68 – up to 5m water depth
- 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



+ ADDITIONAL PARTS



2x2,5 qmm
ø 8,0 mm, per m
9.6150.02.25



1x4,0 + 4x1,0 + 2x0,25 qmm
ø 10.7 mm, per m
9.6150.04.41



2x4,0 qmm
ø 9,7 mm, per m
9.6150.02.40



DMX-Dongle
load resistance 120 Ohm
5.0670.09.65



Fixation bracket
saline version, for built-in pot 4.0274.73 (Spotlight 4.0271, 4.0272, 4.0291)
9.0274.73.10

TIPP



IP65
+ -

mounting housing
plastic, IP65, with 2 in/1 out, transparent cover,
suitable for power supply 5.0630.01.12 and RGB-W Controller 5.0630.09.52
9.0630.65.12

★ PRODUCT LINE



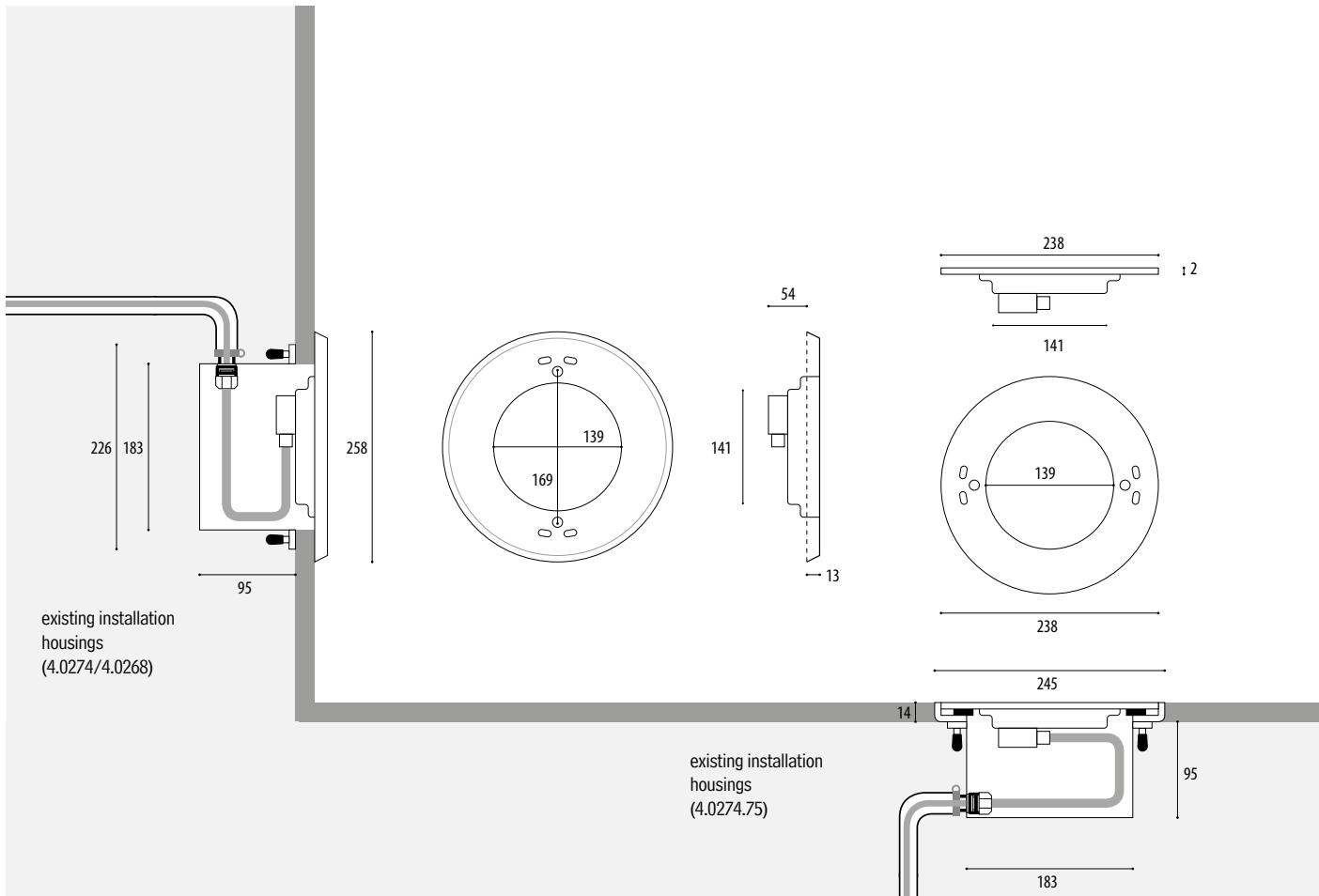
4.0291 – Retrofit
Recessed spotlights
(underwater)
> Page 18



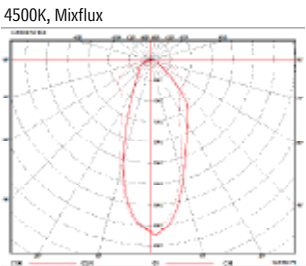
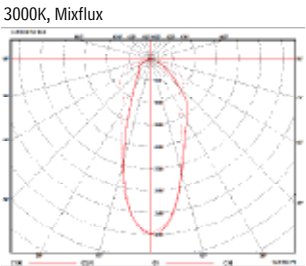
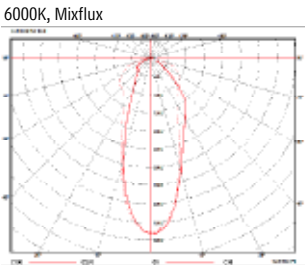
4.0292 – Standard
Recessed spotlights
(underwater)
> Page 10



4.0292.73 – Standard Saline
Recessed spotlights
(underwater)
> Page 14



Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle
ONLY UNDERWATER OPERATION						
STANDARD SALINE VERSION - RETROFIT INSTALLATION FOR INSTALLATION HOUSING 4.0274/4.0268						
4.0291.73.11	12 POW-LED	6900 lm	6000K cold white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.73.12	12 POW-LED	5640 lm	3000K warm white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.73.13	12 POW-LED	6036 lm	4500K neutral white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.73.16	48 POW-LED		500mW/LED royal blue 450 nm	total 49,5 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.73.41	12 Multichip POW-LED	cold white: 2100 lm	RGB-CW cold white 6000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.73.42	12 Multichip POW-LED	warm white: 1800 lm	RGB-VW warm white 3000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.73.43	12 Multichip POW-LED	neutral white: 1920 lm	RGB-NW neutral white 4500K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
FLUSH MOUNTED SALINE VERSION - RETROFIT INSTALLATION FOR INSTALLATION HOUSING 4.0274.75						
4.0291.78.11	12 POW-LED	6900 lm	6000K cold white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.78.12	12 POW-LED	5640 lm	3000K warm white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.78.13	12 POW-LED	6036 lm	4500K neutral white	total 47 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.78.16	48 POW-LED		500mW/LED royal blue 450 nm	total 49,5 W	CC 3600mA @12 V-DC	asymmetrisch Mixflux
4.0291.78.41	12 Multichip POW-LED	cold white: 2100 lm	RGB-CW cold white 6000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.78.42	12 Multichip POW-LED	warm white: 1800 lm	RGB-VW warm white 3000K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux
4.0291.78.43	12 Multichip POW-LED	neutral white: 1920 lm	RGB-NW neutral white 4500K	all on 75 W	CC 1400mA @12 V-DC	asymmetrisch Mixflux



< Project
JW Marriott, Sahar Airport, Mumbai, India
Lighting Designer: GA DESIGN CONSULTANS, Mrs. Kiran Ganti
Customer: Versalite; Planner: ILD

NOTE

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.

RGB-W

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.

OPTIONS

Possible beam angle POW-LED

15°

30°

45°

120°

15x50°



POW-LED monochrome, single colour in green, red, amber, blue, capri blue, 2700K



Individual configuration of the LED multichips possible

Power supplies Technical details see from page 234.

5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.01.12	Constant Current power supply, dimmable, max 1 spotlights	5.0630.03.12	Constant Current power supply, dimmable, max 3 spotlights	5.0630.10.12	Constant Current power supply, IP65, not dimmable, max 1 spotlights
5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.09.52	RGB-W-Controller, max 1 spotlights				
5.0630.09.52					
5.0630.09.52					

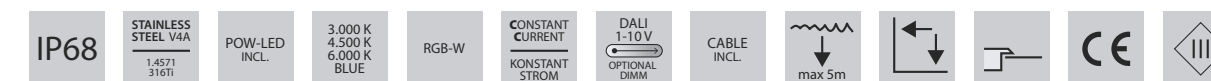
5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.01.12	Constant Current power supply, dimmable, max 1 spotlights	5.0630.03.12	Constant Current power supply, dimmable, max 3 spotlights	5.0630.10.12	Constant Current power supply, IP65, not dimmable, max 1 spotlights
5.0630.01.12		5.0630.03.12		5.0630.10.12	
5.0630.09.52	RGB-W-Controller, max 1 spotlights				
5.0630.09.52					
5.0630.09.52					



- › New development
- › Up to 4600 lumen light intensity
- › Ideal for hotel pools and private pools

4.0202 | SWIMMINGPOOL-LIGHT

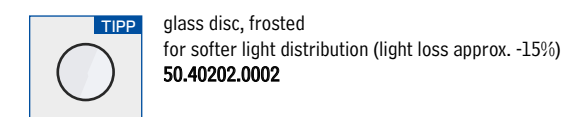
FOR ILLUMINATING SMALL AND MEDIUM SWIMMING POOLS.

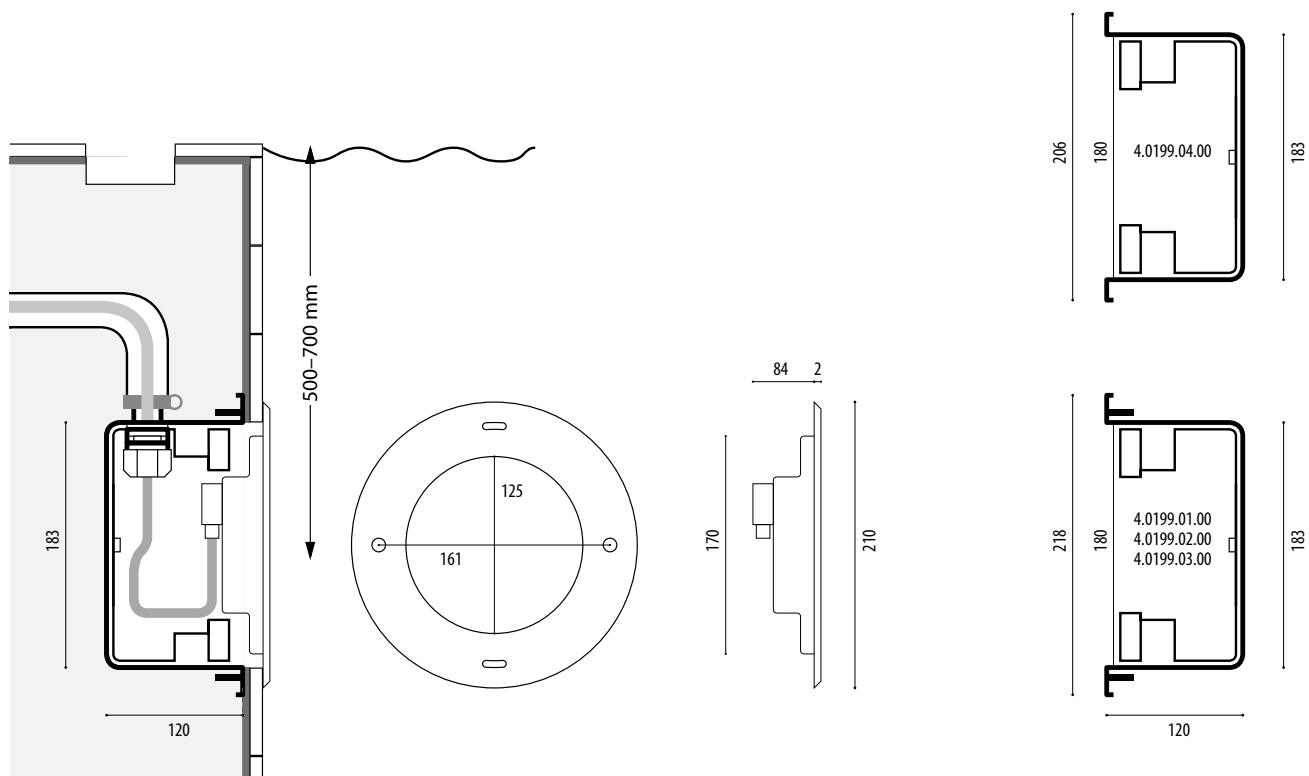


- Protection class IP68 – up to 5m water depth
- Entirely made of stainless steel 316Ti 1.4571, epolished
- Round attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- operating mode: constant 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



+ ADDITIONAL PARTS





Article number	Lamps	Lumen	Light colour	Wattage	Current	Radiation angle	Cable, installs
ONLY UNDERWATER OPERATION							
4.0202.00.11	8 POW-LED	4600 lm	6.000K cold white	total 31 W	CC 2400mA @12 V-DC	50° symmetrisch	UW, 2x2,5 qmm
4.0202.00.12	8 POW-LED	3760 lm	3.000K warm white	total 31 W	CC 2400mA @12 V-DC	50° symmetrisch	UW, 2x2,5 qmm
4.0202.00.13	8 POW-LED	4024 lm	4.500K neutral white	total 31 W	CC 2400mA @12 V-DC	50° symmetrisch	UW, 2x2,5 qmm
4.0202.00.16	8 POW-LED	500mW/LED	royal blue (450 nm)	total 33 W	CC 2400mA @12 V-DC	50° symmetrisch	UW, 2x2,5 qmm
4.0202.00.41	8 Multichip POW-LED	cold white: 1160 lm	RGB-CW cold white 6000K	all on 50 W	CC 700mA @12 V-DC	50° symmetrisch	UW, 10x0,5 qmm
4.0202.00.42	8 Multichip POW-LED	warm white: 1000 lm	RGB-WW warm white 3000K	all on 50 W	CC 700mA @12 V-DC	50° symmetrisch	UW, 10x0,5 qmm
4.0202.00.43	8 Multichip POW-LED	neutral white: 1080 lm	RGB-NW neutral white 4500K	all on 50 W	CC 700mA @12 V-DC	50° symmetrisch	UW, 10x0,5 qmm

INSTALLATION HOUSING

4.0199.01.00	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
4.0199.02.00	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 218 mm)
4.0199.03.00	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 360 mm)
4.0199.04.00	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



< Project
Private pool, Lucerne, Switzerland
Copyright: Timo Schwach Photography

NOTE

Matching installation housing should be selected, depending on the installation type and situation.

For facing concrete please use housing 4.0199.04.00

OPTIONS

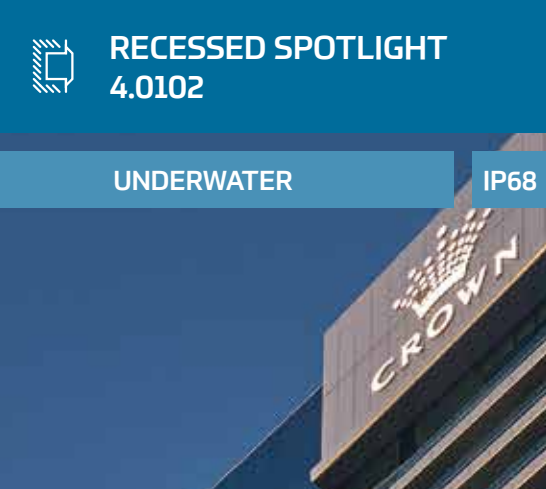
Possible beam angle POW-LED



POW-LED monochrome, single colour in green, red, amber, blue, capri blue, 2700K

Asymmetric light distribution especially for swimming pool lighting from a water depth of >1.80 m

Dynamic White possible (3000-6000°K)



RECESSED SPOTLIGHT
4.0102

UNDERWATER

IP68



- › New development
- › Up to 2300 lumen light intensity
- › Ideal for organic-shaped pools and private pools



4.0102 | RECESSED-SPOTLIGHT

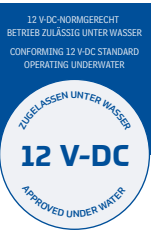
FOR ILLUMINATING SMALL AND MEDIUM SWIMMING POOLS AND WATER FEATURES



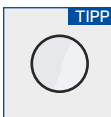
NEW SERIES
CENTUM°
LIGHT UNDERWATER.
REDEFINED.
INFO ON PAGE 6

NEW

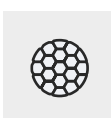
- Protection class IP68 – up to 5m water depth
- Entirely made of stainless steel 316Ti 1.4571, epolished
- Round and square attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Multichip POW-LED dynamic white
- 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



+ ADDITIONAL PARTS



TIPP glass disc, frosted
for softer light distribution (light loss approx. -15%)
50.40102.0002



anti-glare louver
black, for POW-LED
35.40100.0001

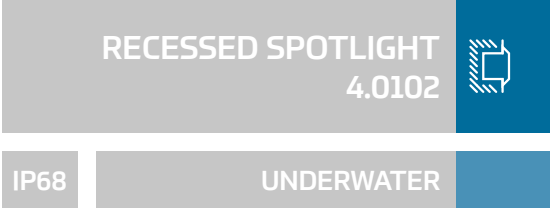
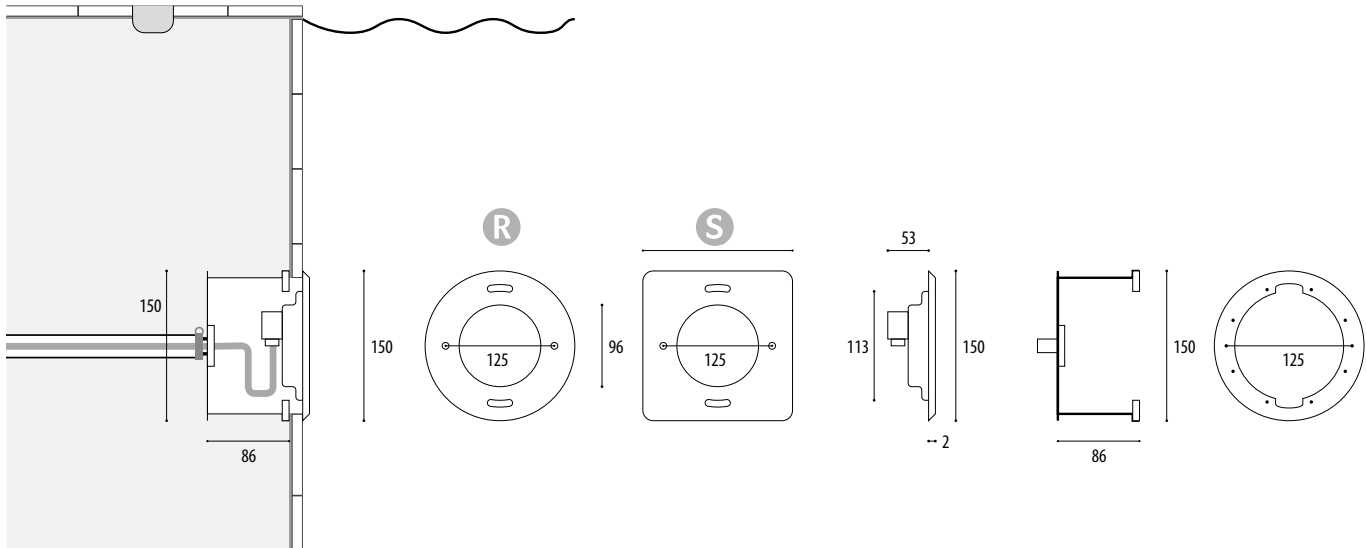
★ PRODUCT LINE



4.0100
Surface spotlights
> Page 44

< Project
Crown Towers, Perth, Australia
Partner: Form and Light Pty. Ltd; Think Lighting
Lightpartner: Elektrolight, Melbourne; Photo: George Apostolidis

www.wibre.de



< Project
Actionbad Kokpunkten, Västerås, Sweden
Partner: Malux Sweden

Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle	Cable, installs
ONLY UNDERWATER OPERATION							
Ⓢ CIRCULAR COVER							
4.0102.20.11	4 POW-LED	2300 lm	6000K cold white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm
4.0102.20.12	4 POW-LED	1880 lm	3000K warm white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm
4.0102.20.13	4 POW-LED	2010 lm	4500K neutral white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm
4.0102.20.41	4 Multichip POW-LED	cold white: 580 lm	RGB-CW cold white 6000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm
4.0102.20.42	4 Multichip POW-LED	warm white: 500 lm	RGB-WW warm white 3000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm
4.0102.20.43	4 Multichip POW-LED	neutral white: 540 lm	RGB-NW neutral white 4500K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm
4.0102.20.80	4 Multichip POW-LED	1000-1160 lm	3000K-6000K dynamic white	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm
Ⓢ SQUARED COVER							
4.0102.40.11	4 POW-LED	2300 lm	6000K cold white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm
4.0102.40.12	4 POW-LED	1880 lm	3000K warm white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm
4.0102.40.13	4 POW-LED	2010 lm	4500K neutral white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm
4.0102.40.41	4 Multichip POW-LED	cold white: 580 lm	RGB-CW cold white 6000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm
4.0102.40.42	4 Multichip POW-LED	warm white: 500 lm	RGB-WW warm white 3000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm
4.0102.40.43	4 Multichip POW-LED	neutral white: 540 lm	RGB-NW neutral white 4500K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm
4.0102.40.80	4 Multichip POW-LED	1000-1160 lm	3000K-6000K dynamic white	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm

INSTALLATION HOUSING

4.0102.01.00	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
4.0102.02.00	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)
4.0102.02.40	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)
4.0102.03.00	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)

Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle	Cable, installs	Power supplies	Technical details see from page 234.
5.0630.10.04	4 POW-LED	2300 lm	6000K cold white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0630.00.04	Constant Current power supply, max 1 spotlights
5.0630.10.04	4 POW-LED	1880 lm	3000K warm white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0630.00.04	Constant Current power supply, max 1 spotlights
5.0630.10.04	4 POW-LED	2010 lm	4500K neutral white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0630.00.04	Constant Current power supply, max 1 spotlights
5.0635.19.52	4 Multichip POW-LED	cold white: 580 lm	RGB-CW cold white 6000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52	RGB-W-Controller, 12 V-DC-Norm: max 1 spotlights
5.0635.19.52	4 Multichip POW-LED	warm white: 500 lm	RGB-WW warm white 3000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52	12 V-DC-Norm: max 1 spotlights
5.0635.19.52	4 Multichip POW-LED	neutral white: 540 lm	RGB-NW neutral white 4500K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52	SELV-Norm: max 3 spotlights
5.0635.19.52	4 Multichip POW-LED	1000-1160 lm	3000K-6000K dynamic white	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52	SELV-Norm: max 3 spotlights

NOTE

Matching installation housing should be selected, depending on the installation type and situation.

SALINE version possible - Article number with additional „S“ at the end

OPTIONS

Possible beam angle POW-LED

15°

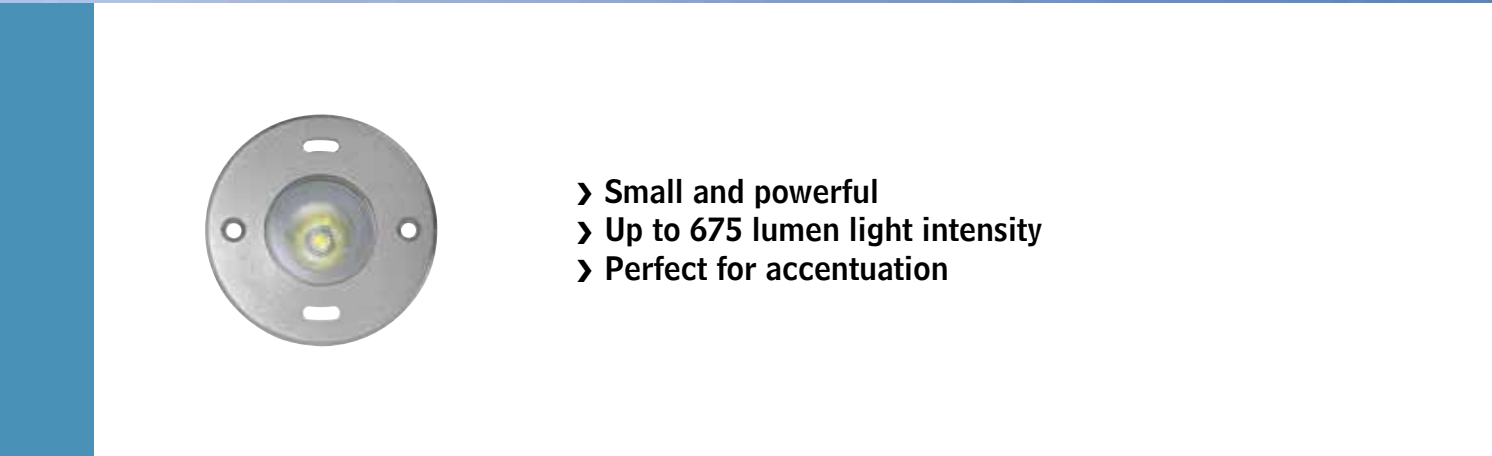
30°

45°

120°

15x50°

POW-LED monochrome, single colour in green, red, amber, blue, 2700K



- › Small and powerful
- › Up to 675 lumen light intensity
- › Perfect for accentuation



4.0052 | RECESSED-SPOTLIGHT

FOR ILLUMINATING SMALL OR MEDIUM POOLS, JACUZZIS AND WATER FEATURES.

IP68

STAINLESS
STEEL V4A
1.4571
316Ti

ELECTRO
POLISHED

POW-LED
INCL.

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.

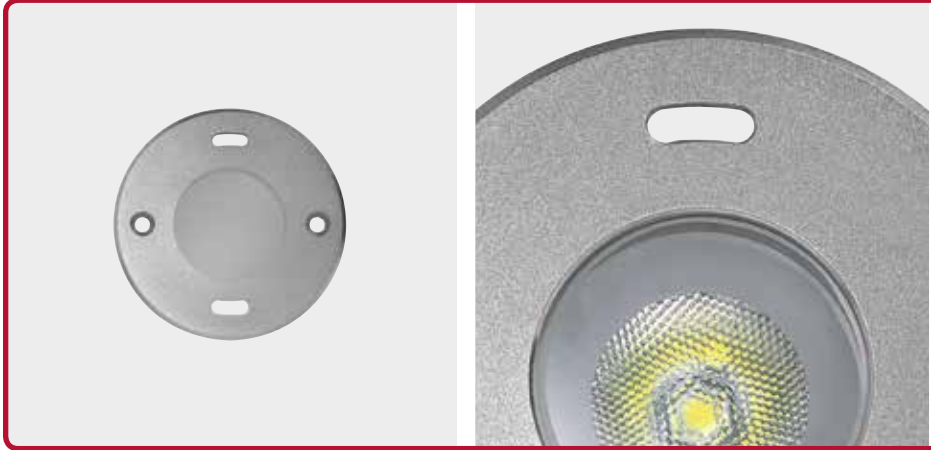
 max 5m





CE





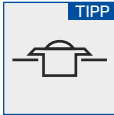
NEW SERIES
CENTUM°
LIGHT UNDERWATER.
REDEFINED.
INFO ON PAGE 6

NEW

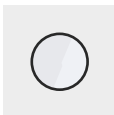
- Protection class IP68 – up to 5m water depth
- Entirely made of stainless steel 316Ti 1.4571
- Round attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Multichip POW-LED dynamic white
- operating mode: constant 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 lamp and 3m of underwater cable



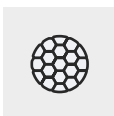
+ ADDITIONAL PARTS



TIPP Jellyglass, frosted
Dome shape, height 9 mm
50.40050.0002



glass disc, frosted
for softer light distribution (light loss approx. -15%)
50.40052.0002

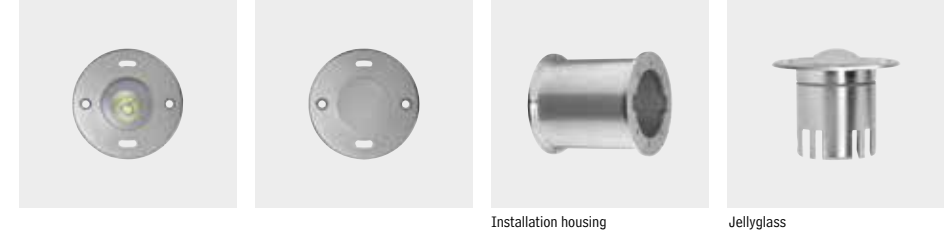


anti-glare louver
black, for POW-LED
35.40050.0001

★ PRODUCT LINE



4.0050
Surface spotlights
> Page 40

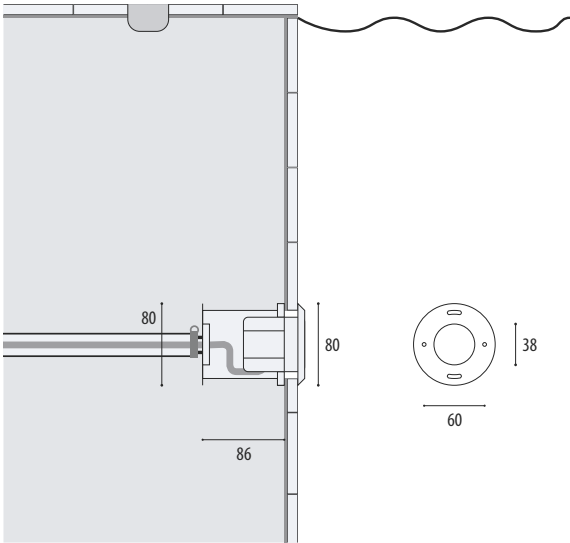


Installation housing

Jellyglass

IP68

UNDERWATER



< Project
vabali spa, Düsseldorf, Germany

Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle	Cable, installs	Power supplies	Technical details see from page 234.
ONLY UNDERWATER OPERATION									
CIRCULAR COVER									
4.0052.20.11	1 POW-LED	675 lm	6.000K cold white	total 5 W	CC 350mA @12 V-DC	25° medium-spot	UW, 2x0,5 qmm	5.0635.65.10	Constant Current power supply, max 1 spotlights
4.0052.20.12	1 POW-LED	540 lm	3.000K warm white	total 5 W	CC 350mA @12 V-DC	25° medium-spot	UW, 2x0,5 qmm	5.0635.65.10	
4.0052.20.13	1 POW-LED	575 lm	4.500K neutral white	total 5 W	CC 350mA @12 V-DC	25° medium-spot	UW, 2x0,5 qmm	5.0635.65.10	
4.0052.20.41	1 Multichip POW-LED	cold white: 145 lm	RGB-CW cold white 6000K	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm	5.0635.19.52	RGB-W-Controller, 12 V-DC-Norm: max 3 spotlights SELV-Norm: max 12 spotlights
4.0052.20.42	1 Multichip POW-LED	warm white: 125 lm	RGB-WW warm white 3000K	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm	5.0635.19.52	
4.0052.20.43	1 Multichip POW-LED	neutral white: 135 lm	RGB-NW neutral white 4500K	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm	5.0635.19.52	
4.0052.20.80	1 Multichip POW-LED	250-290 lm	3000K-6000K dynamic white	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm	5.0635.19.52	
INSTALLATION HOUSING									
4.0052.01.00	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)								
4.0052.02.00	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)								
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 installation in pools with adhesive/foil coating (adhesive flange ø 150 mm)								
4.0052.05.00	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)								

NOTE



Matching installation housing should be selected, depending on the installation type and situation.



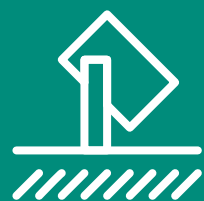
SALINE version possible - Article number with additional „S“ at the end

OPTIONS

Possible beam angle POW-LED



POW-LED monochrome, single colour in green, red, amber, blue, 2700K



CENTUM[®]
SURFACE SPOTLIGHTS
UNDERWATER | EXTERIOR

PAGES 38-47



4.0050 | SURFACE-MOUNTED SPOTLIGHT

FOR ILLUMINATING SMALL OR MEDIUM FOUNTAINS AND WATER FEATURES.

IP68

STAINLESS
STEEL V4A
1.4571
316Ti

ELECTRO
POLISHED

POW-LED
INCL.

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







NEW SERIES

CENTUM°

LIGHT UNDERWATER.
REDEFINED.

INFO ON PAGE 6

NEW

- Protection class IP68 – up to 3m water depth
- 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 lamp and 3m of underwater cable



+

ADDITIONAL PARTS



TIPP

Anti-glare ring
1/2-Version, Stainless steel 316Ti, ø 57mm, length 70mm
9.0050.00.70



Anti-glare ring
1/1-Version, Stainless steel 316Ti,
ø 57 mm, length 70 mm
9.0050.10.70

230 V

Surface housing IP67
Stainless steel 316Ti,
for 230 V-connection
9.0050.21.10



Extension arm
Stainless steel 316Ti, length 750 mm
9.0050.21.20



glass disc, frosted
for softer light distribution (light loss approx. -15%)
50.40050.0003



anti-glare louver
black, for POW-LED
35.40050.0001



spike
stainless steel, 205 mm
9.0050.20.00

★

PRODUCT LINE



4.0052

Recessed spotlights
(underwater)
> Page 34



SURFACE SPOTLIGHT

4.0050



UNDERWATER | EXTERIOR

IP68

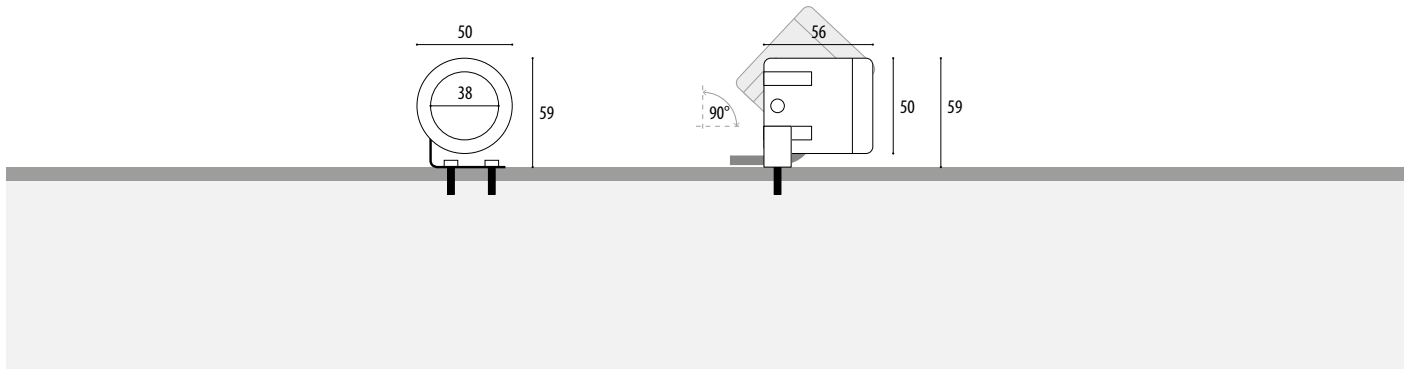
SURFACE SPOTLIGHT

4.0050



IP68

UNDERWATER | EXTERIOR



< Project
Bormes, France

NOTE



SALINE version possible - Article number with additional „S“ at the end

OPTIONS

Possible beam angle POW-LED



POW-LED monochrome, single colour in green, red, amber, blue, 2700K

Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle	Cable, installs
VERSIONS: UNDER- AND OVERWATER OPERATION (ACCORDING TO PRIOR AGREEMENT)							
4.0050.30.11	1 POW-LED	675 lm	6.000K cold white	total 5 W	CC 350mA @12 V-DC	25° medium-spot	UW, 2x0,5 qmm
4.0050.30.12	1 POW-LED	540 lm	3.000K warm white	total 5 W	CC 350mA @12 V-DC	25° medium-spot	UW, 2x0,5 qmm
4.0050.30.13	1 POW-LED	575 lm	4.500K neutral white	total 5 W	CC 350mA @12 V-DC	25° medium-spot	UW, 2x0,5 qmm
4.0050.30.41	1 Multichip POW-LED	cold white: 145 lm	RGB-CW cold white 6000K	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm
4.0050.30.42	1 Multichip POW-LED	warm white: 125 lm	RGB-WW warm white 3000K	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm
4.0050.30.43	1 Multichip POW-LED	neutral white: 135 lm	RGB-NW neutral white 4500K	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm
4.0050.30.80	1 Multichip POW-LED	250-290 lm	3000K-6000K dynamic white	all on 4 W	CC 350mA @12 V-DC	25° medium-spot	UW, 8x0,5 qmm

Power supplies	Technical details see from page 234.	
5.0635.65.10	Constant Current power supply, max 1 spotlights	5.0635.65.20
5.0635.65.10		5.0635.65.20
5.0635.65.10		5.0635.65.20
5.0635.19.52	RGB-W-Controller, 12 V-DC-Norm: max 3 spotlights SELV-Norm: max 12 spotlights	
5.0635.19.52		
5.0635.19.52		



- › Powerful, compact spotlight for variable use
- › Up to 2300 lumen light intensity
- › Perfect for fountains and water attractions



4.0100 | SURFACE-MOUNTED SPOTLIGHT

FOR ILLUMINATING MEDIUM OR LARGE FOUNTAINS, WATER FEATURES, BUILDINGS AND EXTERIOR AREAS.



NEW SERIES
CENTUM°
LIGHT UNDERWATER.
REDEFINED.
INFO ON PAGE 6

NEW

- Protection class IP68 – up to 3m water depth
- 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 lamp and 3 m of underwater cable



+ ADDITIONAL PARTS

TIPP Anti-glare ring
1/2-Version, Stainless steel 316Ti, ø 108 mm, length 130 mm
9.0100.00.70

 Anti-glare ring
1/1-Version, Stainless steel 316Ti,
ø 108 mm, length 100 mm
9.0100.10.70

 Surface housing IP67
Stainless steel 316Ti,
for 230 V-connection
9.0100.21.10

 Extension arm
Stainless steel 316Ti, length 750 mm
9.0100.21.20

 glass disc, frosted
for softer light distribution (light loss approx. -15%)
50.40100.0003

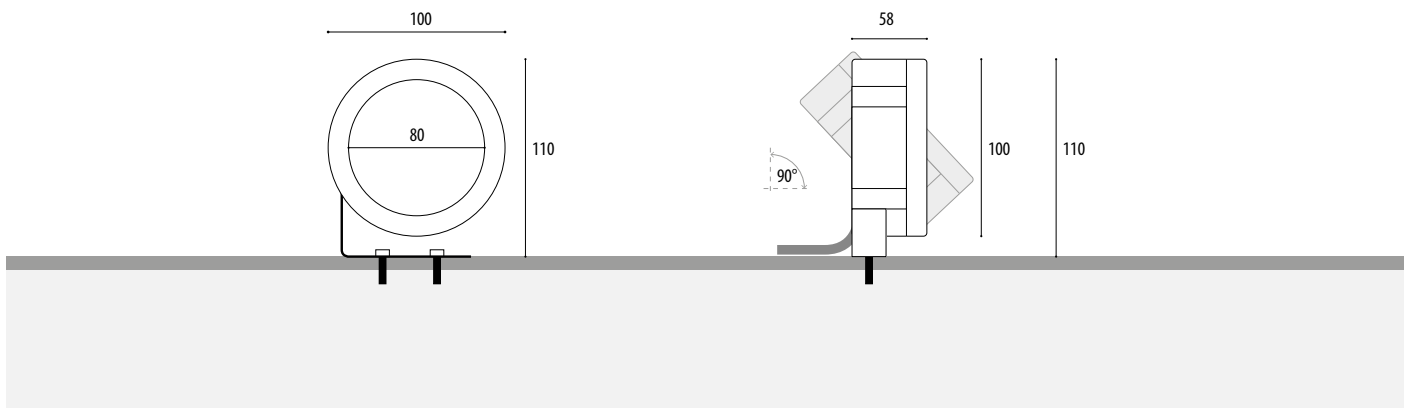
 anti-glare louver
black, for POW-LED
35.40100.0001

 spike
stainless steel, 305 mm
9.0100.20.00

★ PRODUCT LINE



4.0102
Recessed spotlights
(underwater)
> Page 30



< Project
Hotel Das König Ludwig Wellness & SPA Resort Allgäu,
Schwangau, Germany

Article number	Lamps	Lumen	Light colour	Wattage	Current	Radation angle	Cable, installs	Power supplies	Technical details see from page 234.	
VERSIONS: UNDER- AND OVERWATER OPERATION (ACCORDING TO PRIOR AGREEMENT)										
4.0100.00.11	4 POW-LED	750 lm	6000K cold white	total 4,4 W	CC 350mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0635.65.10	Constant Current power supply, max 1 spotlights	5.0635.65.20
4.0100.00.12	4 POW-LED	650 lm	3000K warm white	total 4,4 W	CC 350mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0635.65.10		5.0635.65.20
4.0100.00.13	4 POW-LED	700 lm	4500K neutral white	total 4,4 W	CC 350mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0635.65.10		5.0635.65.20
4.0100.00.41	4 Multichip POW-LED	cold white: 350 lm	RGB-CW cold white 6000K	all on 10 W	CC 200mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0620.19.52	RGB-W-Controller, 12 V-DC-Norm: max 1 spotlights SELV-Norm: max 3 spotlights	
4.0100.00.42	4 Multichip POW-LED	warm white: 300 lm	RGB-WW warm white 3000K	all on 10 W	CC 200mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0620.19.52		
4.0100.00.43	4 Multichip POW-LED	neutral white: 330 lm	RGB-NW neutral white 4500K	all on 10 W	CC 200mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0620.19.52		
VERSIONS: ONLY UNDERWATER OPERATION										
4.0100.30.11	4 POW-LED	2300 lm	6000K cold white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0630.10.04	Constant Current power supply, max 1 spotlights	5.0630.00.04
4.0100.30.12	4 POW-LED	1880 lm	3000K warm white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0630.10.04		5.0630.00.04
4.0100.30.13	4 POW-LED	2010 lm	4500K neutral white	total 18 W	CC 1200mA @12 V-DC	30° medium	UW, 2x1,5 qmm	5.0630.10.04		5.0630.00.04
4.0100.30.41	4 Multichip POW-LED	cold white: 580 lm	RGB-CW cold white 6000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52	RGB-W-Controller, 12 V-DC-Norm: max 1 spotlights SELV-Norm: max 3 spotlights	
4.0100.30.42	4 Multichip POW-LED	warm white: 500 lm	RGB-WW warm white 3000K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52		
4.0100.30.43	4 Multichip POW-LED	neutral white: 540 lm	RGB-NW neutral white 4500K	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52		
4.0100.30.80	4 Multichip POW-LED	1000-1160 lm	3000K-6000K dynamic white	all on 17 W	CC 350mA @12 V-DC	30° medium	UW, 8x0,5 qmm	5.0635.19.52		

NOTE

 SALINE version possible - Article number with additional „S“ at the end

OPTIONS

Possible beam angle POW-LED



 POW-LED monochrome, single colour in green, red, amber, blue, 2700K