

Amazing Water

Purifying
Moving
Shaping
Vitalising
Illuminating
Installing



LED spotlights, recessed spotlights
and installation material

Programme and technical specifications 2026

WATER ILLUMINATING



LED recessed spotlights.



LED spotlights, white.



LED RGBW spotlights.



Light and Water, a symbiosis that exerts an enormous appeal on everyone. The magic of light enhances the soothing character of water, in whatever form.

AUGA's range includes spotlights, recessed spotlights and installation materials for connecting and controlling spotlights.

LED spotlights series LSX, quality is the standard

LSX LED spotlights are professional underwater spots for illuminating fountains, waterfalls, ornaments and object lighting in general. The high quality of these spotlights translates into a long service life, high light output and low power consumption.

LSX technology explained

- Only A-brand LED light chips from Cree®, Epistar® or Edison® are used.
- The housing and PCB (electronics) base plate are thick-walled to optimally dissipate heat from the LEDs and electronics, contributing to a longer service life of the spotlights.
- All spots are made of SS 316L.
- 8 mm tempered cover glass.
- LED lifespan is 50,000+ operating hours.
- L70 rating, meaning the light output after the Lifespan is still at least 70%.
- Built-in polarity protection protects the electronics against accidental reversal of the + and - connection.
- Spots cast in resin, fully waterproof IP 68.

LSX spots operate on 24 V direct current (DC), a stable, constant voltage compared to alternating current (AC), where voltage fluctuations can affect the service life of LED fittings.

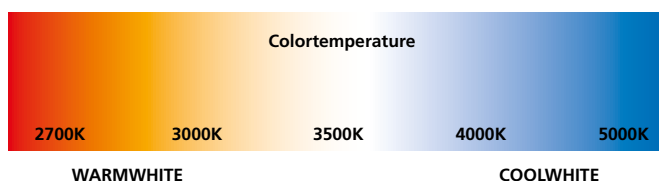
Safe low voltage

24 V DC comfortably falls within the NEN 1010 standard for the use of electrical equipment in pools and swimming ponds. For AC equipment, a max. voltage of 12 V applies. We explain the advantages of choosing 24 V DC;

- Stable voltage, no voltage spikes.
- Voltage loss is much lower.
- Longer cable lengths possible.
- Smaller cable diameter needed, lower investment costs.
- Lower amperage, less heat generation.
- Higher spotlight power ratings applicable.

Warm White

LSX spotlights with white lighting are in 3000 K in Warm White. The range includes spotlights up to 6500 K.



RGBW

The LSX-RGBW spotlights are fitted with 4-in-1 LED chips with primary colours Red-Green-Blue-White.

With RGBW, all colours can be achieved, including white light only.

The spotlight is controlled by an RGBW controller built into a small control box. For operation, you can choose between a remote control (Remote Control) or a touchscreen colour panel that can be set manually in the control cabinet.

Beam angle

The standard beam angle of LSX spotlights is 30°, the focused



light is ideally suited for illuminating fountains.

Optionally, spotlights can be supplied with a beam angle of: 10°- 45°- 60°- 90°

LSX spotlights comply with EU regulations

EMC: The EMC directive limits the electromagnetic emissions of equipment to ensure that it does not interfere



with radio and telecommunications equipment and other apparatus.

RoHS: EU directive aimed at restricting the use of certain hazardous substances in electrical and electronic equipment to limit.

CE: CE marking indicates that a product meets all EU requirements regarding safety, health and environmental protection



Warranty

AUGA provides a 3-year product warranty on LSX LED spotlights.



LED spotlights LSX-WW Warm White

LSX LED spotlights are professional underwater spots for illuminating fountains, waterfalls, ornaments and object lighting in general.

Type	LED number W	Power-cons. W	Voltage V	Colour-temp. K	Light-angle°	Spotlight dim. ø x H1 mm	Housing SS	Power-cable2 m	IP class	Art. no.
LSX 9 WW	3 x 3	9	24-DC	3000	30	74 x 39	316L	1,5	68	301118
LSX 18 WW	6 x 3	18	24-DC	3000	30	120 x 60	316L	1,5	68	301120
LSX 27 WW	9 x 3	27	24-DC	3000	30	150 x 65	316L	1,5	68	301122
LSX 36 WW	12 x 3	36	24-DC	3000	30	175 x 65	316L	1,5	68	301124
LSX 54 WW	18 x 3	54	24-DC	3000	30	200 x 65	316L	1,5	68	301126

1 Dimension excl. bracket.

2 Other cable length possible.



Technical specifications LSX

- Operating hours: 50,000+.
- L rating: 70.
- SS 316L housing.
- LED chip brand: Cree® / Edison® / Epistar®.
- Tempered cover glass 8 mm.
- Suitable for use above and below water.
- Built-in polarity protection.
- Dimmable via external dimmer (optional).
- CE / EMC / RoHS certified.

Scope of delivery

- 1 LED spotlight LSX with 1.5 m power cable.
- 1 Spotlight bracket.

Warranty

3 years warranty per the general terms and conditions.

Optimal illumination up to (m)																		
Type	1	2	3	4	5	6	7	8	9	10								
LSX 9																		
LSX 18																		
LSX 27																		
LSX 36																		
LSX 54																		

Control of LED lighting, see from page 28.

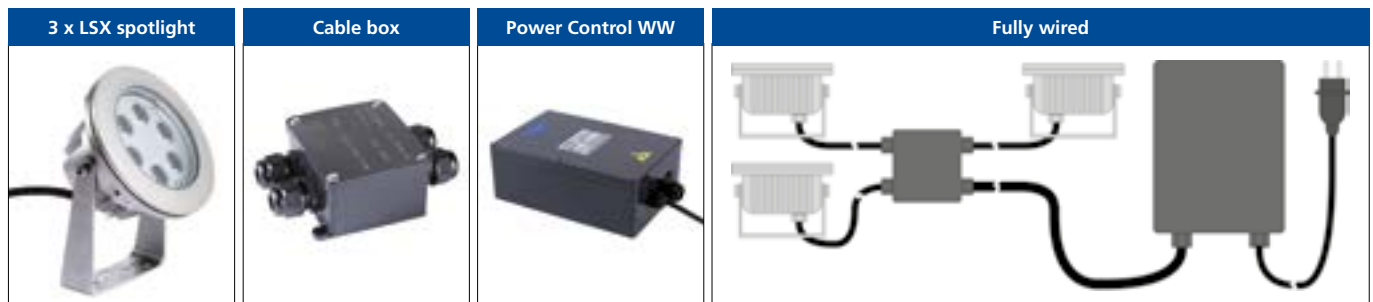
LED spotlight set with 3 spotlights LSX-3 WW Warm White

Fully wired spotlight sets incl. Power-Control, ideally suited for installation on fountain sets.

Type	Power consumption W	Power cable 2 m	Article number
LSX 9 - 3 WW	27	3 x 1,5 – 1 x 20	104044
LSX 18 - 3 WW	54	3 x 1,5 – 1 x 20	104042
LSX 27 - 3 WW	81	3 x 1,5 – 1 x 20	104046
LSX 36 - 3 WW	108	3 x 1,5 – 1 x 20	104048
LSX 54 - 3 WW	162	3 x 1,5 – 1 x 20	104050

2 Other cable length possible.

Fountains with LSX WW lighting sets



Technical specifications LSX

- Operating hours: 50,000+.
- L rating: 70.
- SS 316L housing.
- LED chip brand: Cree® / Edison® / Epistar®.
- Tempered cover glass 8 mm.
- Suitable for use above and below water.
- Built-in polarity protection.
- Dimmable via external dimmer (optional).
- CE / EMC / RoHS certified.

Scope of delivery

- 3 LED spotlights LSX with bracket and 1.5 m power cable.
- Underwater cable box, black plastic, watertight, cast in resin.
- 20 metres of underwater cable, connected to cable box.
- Transformer cabinet 230/24V DC fitted with 1.5 metre mains cable with plug.

Warranty

3 years per the general terms and conditions.

Expansion, control of LED spotlights, see page 28.

Lamp holder LSX-Fix



Optional: Lamp holder LSX-Fix for mounting on riser pipe, fixed fountain sets.
art. no. FT 51147

LED spotlights LSX-RGBW

RGBW is the trend; with these spots, any desired colour, colour change and change speed can be achieved in combination with the required control, which is offered as an option. Each LED chip features the colours Red-Green-Blue-White. With this combination, the choice from the colour spectrum is huge.

Type	LED chips number W	Power-cons. W	Voltage V	Light-angle°	Spotlight dim. ø x H1 mm	Housing SS	Power-cable 2 m	IP class	Art. no.
LSX 12 RGBW	3 x 4	12	24-DC	30	74 x 39	316L	1,5	68	301119
LSX 24 RGBW	6 x 4	24	24-DC	30	120 x 60	316L	1,5	68	301121
LSX 32 RGBW	8 x 4	32	24-DC	30	150 x 65	316L	1,5	68	301123
LSX 48 RGBW	12 x 4	48	24-DC	30	175 x 65	316L	1,5	68	301125
LSX 72 RGBW	18 x 4	72	24-DC	30	200 x 65	316L	1,5	68	301127

1 Dimension excl. bracket.

2 Other cable length possible.



Technical specifications LSX-RGBW

- Operating hours: 50,000+.
- L rating: 70.
- SS 316L housing.
- RGBW LED chip brand: Cree® / Edison® / Epistar®.
- Tempered cover glass 8 mm.
- Suitable for use above and below water.
- Built-in polarity protection.
- CE / EMC / RoHS certified.

Scope of delivery

- 1 LED spotlight LSX-RGBW with 1.5 m power cable.
- 1 Spotlight bracket.

Warranty

3 years per the general terms and conditions.

Control of LED lighting, see from page 28.

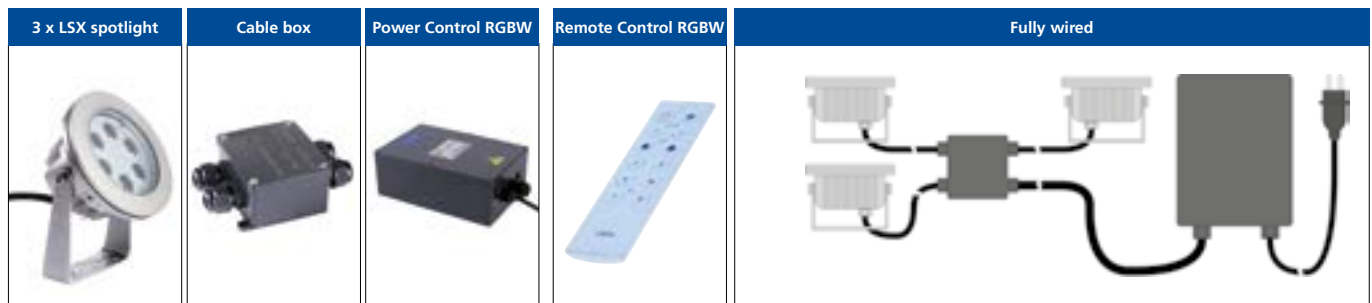
LED spotlight sets with 3 spotlights LSX RGBW

Fully wired spotlight sets incl. Power-Control, ideally suited for installation on fountain sets.

Type	Power consumption W	Power cable 2 m	Article number
LSX 12 - 3 RGBW	36	3 x 1,5 – 1 x 20	104045
LSX 24 - 3 RGBW	72	3 x 1,5 – 1 x 20	104043
LSX 32 - 3 RGBW	96	3 x 1,5 – 1 x 20	104047
LSX 48 - 3 RGBW	144	3 x 1,5 – 1 x 20	104049
LSX 72 - 3 RGBW	216	3 x 1,5 – 1 x 20	104051

2 Other cable length possible.

LSX-3 RGBW lighting set with the primary colours Red / Green / Blue / White



Technical specifications LSX RGBW

- Lifespan + 50,000 h.
- SS 316L housing.
- RGBW LED chip brand: Cree® / Edison® / Epistar®.
- Tempered cover glass 8 mm.
- Suitable for use above and below water.
- Built-in polarity protection.
- CE/EMC/RoHS certified.

Scope of delivery

- 3 LED spotlights LSX-RGBW with bracket and 1.5 m power cable.
- Underwater cable box, black plastic, watertight, cast in resin.
- 20 metres of power cable connected to cable box.
- RGBW controller cabinet 230/24V DC fitted with 1.5 metre mains cable with plug.
- RGBW remote controller > range up to approx. 20 metres without obstacles.

Warranty

3 years warranty per the general terms and conditions.

Expansion, control of LED spotlights, see page 28.

Lamp holder LSX-Fix



Optional: Lamp holder LSX-Fix for mounting on riser pipe, fixed fountain sets.
art. no. FT 51147

ILLUMINATING WATER

VarioLed spotlight Warm White

Compact LED spotlight fitted with a 3W PowerLED, a fully-fledged spotlight for use in the garden or pond.

Type	LED W	Voltage V	Colour temperature K	Spotlight dimensions (cm)	Power cable m	Art. no.
VarioLed 3W	3	230 / 12	3000	ø 8 - ø 7.5	7,5	301024

- LED spotlight, Warm White 3000 K.
- Up to 25,000 operating hours.
- Plastic housing.
- Suitable for above and below water.

Optimal illumination up to (m)				
Type		1	2	
VarioLed 3				

Scope of delivery 1 x 3W

- 1 LED spotlight 3 W with 7.5 metres of power cable and plug coupling.
- Plug-in transformer IP X4 (for outdoor use).
- Ground spike, base/wall mount, ball joint and clip for attachment to riser pipe (up to Ø 25 mm).

Warranty

2 years warranty per the general terms and conditions.



VarioLed spotlight set Warm White

Compact LED spotlight set for atmospheric lighting above or below water.

Type	LED W	Voltage V	Colour temperature K	Spotlight dimensions (cm)	Power cable m	Art. no.
VarioLed 3 x 3W	3 x 3	230 / 12	3000	ø 8 - ø 7.5	7.5 (3x)	301025

- LED spotlight, Warm White 3000 K.
- Up to 25,000 operating hours.
- Plastic housing.
- Suitable for above and below water.

Optimal illumination up to (m)

Type	1	2
VarioLed 3		

Scope of delivery 3 x 3W

- 3 LED spotlights 3 W each with 7.5 m power cable and plug coupling.
- Plug-in transformer IPX4 (for outdoor use).
- Plug block with 1 transformer coupling and 3 spotlight couplings.
- 3 x ground spike, base/wall mount, ball joint and clip for attachment to riser pipe (up to Ø 25 mm).

Warranty

2 years warranty per the general terms and conditions.

Spotlight VarioLed 3 x 3W



VarioLed 3W on riser pipe





In the evening, a water feature turns into a black hole in the garden if it isn't illuminated. With LED recessed lighting, time spent in the garden or swimming pond is pleasantly extended into the evening.



Project Vos Tuinvisie Epe

ILLUMINATING WATER

Lights on!

In the summer evenings it's "quality time" in and around the swimming pond!

A lit water feature greatly enhances the atmosphere and extends time spent outdoors into the late evening. With our LED spotlight range, that's fairly easy to achieve.

iDX LED recessed spotlights are professional underwater spots for illuminating swimming ponds and pools. The high quality translates into a long service life, high light output and low power consumption. The spots are easy to install with the matching bulkheads, which are suitable for all types of liner ponds.

iDX technology explained

- A-brand COB LED light chips, Cree®.
- Housing made of SS 316L.
- Tempered cover glass.
- Built-in polarity protection protects the electronics against accidental reversal of the + and - connection.
- LED lifespan + 50,000 operating hours.
- L70 rating, meaning the light output after the Lifespan is still at least 70%.
- Spots cast in resin, fully waterproof IP68.
- Fully certified for the EU market: CE-EMC-RoHS-EPREL.
- 24 V DC safe low voltage.

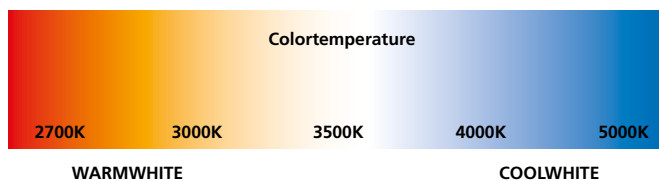
Safe low voltage

24 V DC comfortably falls within the NEN 1010 standard for the use of electrical equipment in pools and swimming ponds. For AC equipment, a max. voltage of 12 V applies. We explain the advantages of using 24 V DC:

- Stable voltage, no voltage spikes
- Voltage loss is much lower than at 12 V.
- Longer cable lengths possible.
- Smaller cable diameter needed, lower investment costs.
- Lower amperage, less heat generation.

Warm White

iDX spotlights are fitted with white lighting at 3000 K.



iDX spotlights comply with EU regulations

CE: CE marking indicates that the product meets all EU directives regarding safety, health and environmental protection.

EMC: The EMC directive limits the electromagnetic emissions of equipment to ensure that it does not interfere with radio and telecommunications equipment and other apparatus.

RoHS: EU directive aimed at restricting the use of certain hazardous substances in electrical and electronic equipment.

EPREL: EPREL stands for European Product Database Energy Labelling.

The main purpose of EPREL is to provide EU consumers with information on energy efficiency.

Warranty

AUGA provides a 3-year replacement warranty on iDX spotlights.

If a defect occurs, the spotlight is replaced with a new one.



LED recessed spotlight iDX 6

Accent recessed spotlight, easy installation with bulkhead set WDM 50.

Type	Power consumption W	Voltage V	Cable m	Light- angle	Colour K	Class IP	Body	Art. no.
iDX 6	6	24 V DC	7,5	120°	3000	68 / 1m	316 L	301035

Flange diameter	Installation diameter	Total length	Power cable	Cable outer diameter
ø 43 mm	ø 30 mm	65 mm	2 x 0,75 mm ²	ø 7 mm - H05RN-F



- High-power COB LED, Warm White, made by Cree®.
- Housing, solid SS 316L.
- Permanently cast cable connection, prevents moisture ingress.
- 24 V DC voltage .
- Built-in reverse-polarity protection.
- Dimmable with optional LED dimmer.
- Install iDX 6 with bulkhead set WDM 50.
Art. no. 901044.
- CE-EMC-RoHS-EPREL certified.

Warranty

3 years warranty per the general terms and conditions.

Optimal illumination up to (m)							
Type	1	2	3	4	5	6	
iDX 6							

LED recessed spotlight iDX 15

Powerful recessed spotlight, installed in combination with bulkhead WD 50 and cable sealer.

Type	Power consumption W	Voltage V	Cable m	Colour K	Light- angle	Class IP	Body	Art. no.
iDX 15	15	24 V DC	7,5	3000	120°	68 / 1m	316 L	301036

Flange diameter	Installation diameter	Total length	Power cable	Cable outer diameter
ø 60 mm	ø 50 mm	70 mm	2 x 0,75 mm ²	ø 7 mm - H05RN-F

iDX 15 with bulkhead WD 50



iDX 15 Spotlight



- High-power COB LED, Warm White, made by Cree®.
- Housing, solid SS 316L.
- Permanently cast cable connection, prevents moisture ingress.
- 24 V DC voltage.
- Built-in reverse-polarity protection.
- Dimmable with optional LED dimmer.
- Install iDX 15 with bulkhead WD 50.
Art. no. 901045 and cable sealer art. no. 901047.
- CE-EMC-RoHS-EPREL certified.

Warranty

3 years warranty per the general terms and conditions.

Optimal illumination up to (m)

Type	1	2	3	4	5	6
iDX 15						

SS 316L bulkhead flange for covering 50 mm bulkhead

iDX 15 with SS bulkhead flange



- Full coverage of the plastic/black wall flange.
- Aesthetic optimisation for ponds with a coloured liner.
- The SS flange is available separately, art. no. 901071.

Bulkhead flange



LED recessed spotlight iDX 50

Top model for illuminating larger swimming ponds and pools.

Type	Power consumption W	Voltage V	Cable m	Colour K	Light- angle	Class IP	Body	Art. no.
iDX 50	50	24 V DC	7,5	3000	120°	68 / 1m	316 L	301037

Flange diameter	Installation diameter	Total length	Power cable	Cable outer diameter
ø 140 mm	ø 110 mm	50 mm	2 x 0,75 mm²	ø 7 mm - H05RN-F



- 4 high-power COB LEDs Warm White made by Cree®.
- Housing, solid SS 316L.
- Permanently cast cable connection, prevents moisture ingress.
- 24 V DC voltage.
- Built-in reverse-polarity protection.
- Dimmable with optional LED dimmer.
- Install iDX 50 with bulkhead 110 Art. no. 901085 and cable sealer art. no. 901047.
- CE-EMC-RoHS-EPREL certified.

Warranty

3 years warranty per the general terms and conditions.

Optimal illumination up to (m)							
Type	1	2	3	4	5	6	
iDX 50							



ILLUMINATING WATER



Overview of parts required for installing the recessed LED spot iDX



Required per spotlight	iDX 6	iDX 15	iDX 50	Art. no.
Bulkhead WD 50	1	1	–	901045
Ball inlet	1	–	–	901046
Cable sealer 6 > 10 mm	1	1	1	901047
PVC pipe ø 50 mm	1	1	–	904099
PVC glue socket ø 50 mm	1	1	–	901022
Bulkhead ø 110	–	–	1	901095
PVC reducer ø 110 x 50	–	–	1	904165
PVC pipe ø 110 mm	–	–	1	904102

PVC pipe 50 and 110 are supplied at standard length and must be cut to the desired length. Fit 1 to 2 metres of cable from the total cable length for the cable sealer inside the pipe. This way, the spot can always easily be removed from the bulkhead if needed.

Cable sealer



Ball inlet



Bulkhead 50



Thick-walled bulkhead





Water and electricity must be installed with care; safety comes first, and for that reason the correct fittings and installation materials must be used.

AUGA's installation materials are suitable for outdoor and indoor use, and where indicated, for underwater use.



Installation technology

Power Control basic cabinet for LED spotlights LSX (WW) and iDX

Plastic cabinet with built-in driver.

Type	Dimension mm	Driver W	Max. connectable LED power W	Supply voltage		Art. no
				Primary	Sec.	
Power Control 60	240 x 160 x 90	60	40	230 V/AC	24 V/DC	FT90312
Power Control 100	240 x 160 x 90	100	70	230 V/AC	24 V/DC	FT90316
Power Control 150	240 x 160 x 90	150	105	230 V/AC	24 V/DC	FT90318
Power Control 240	290 x 240 x 110	240	180	230 V/AC	24 V/DC	FT90330

Technical specifications

- **Plastic cabinet (anthracite or grey) suitable for**
outdoor installation/wall mounting IP 65.
- Driver - transformer) for LED spotlights iDX.
- 1.5 m power cable (230 V) with plug.
- PG gland for connecting the spotlight cable.

Warranty

3 years warranty per the general terms and conditions.

Expansion, control of LED spotlights, see page 28.

Power Control WW



LED drivers for LED spotlights LSX (WW) and iDX

Simplified version of Power Control, used mainly as a built-in component, but can also be used for outdoor installation.

Type	Dimension mm	Driver W	Max. connectable LED power W	Supply voltage		Art. no
				Primary	Sec.	
LD-30	274 x 55 x 67	30	22	230 V/AC	24 V/DC	FT90352
LD-60	274 x 55 x 67	60	45	230 V/AC	24 V/DC	FT90353
LD-100	282 x 61 x 100	100	70	230 V/AC	24 V/DC	FT90354
LD-200	282 x 61 x 100	200	140	230 V/AC	24 V/DC	FT90355

Technical specifications

- Driver - transformer for LED Warm White spotlights.
- LD-30 and LD-60: plastic housing.
- LD-100 and LD-200: aluminium housing.
- Protection class IP 67 (outdoor installation).
- 230 V power cable approx. 1 m with plug.
- 24 V power cable approx. 0.2 m with 2 free cores.
- 3-year warranty.

Expansion, control of LED spotlights, see page 28.

LED driver



Power Control RGBW basic control for LED LSX-RGBW spotlights

Plastic cabinet with RGBW controller and remote control.

Type	Dimension mm	Driver W	Max. connectable LED power W	Supply voltage		Art. no
				Primary	Sec.	
Power RGBW Control 100	240 x 160 x 90	100	70	230 V/AC	24 V/DC	FT90319
Power RGBW Control 240	290 x 240 x 110	240	170	230 V/AC	24 V/DC	FT90333

Technical specifications

- Plastic cabinet (anthracite or grey) suitable for outdoor installation/ wall mounting IP 65.
- Driver - transformer for LED LSX-RGBW spotlights.
- RGBW controller, mounted in the cabinet with dimming function / fixed colour choice / colour-change choice / colour-change speed choice, operated with the included Remote Controller (remote control) up to max. approx. 20 metres without obstacles.
- 1.5 m power cable with plug.
- PG gland for connecting the spotlight cable.
- Prepared for App control.

Power Control RGBW



Warranty

3 years warranty per the general terms and conditions.

Expansion, control of LED spotlights, see page 28.

Waterproof ground cable box

Ground cable box for electrical cable connections.

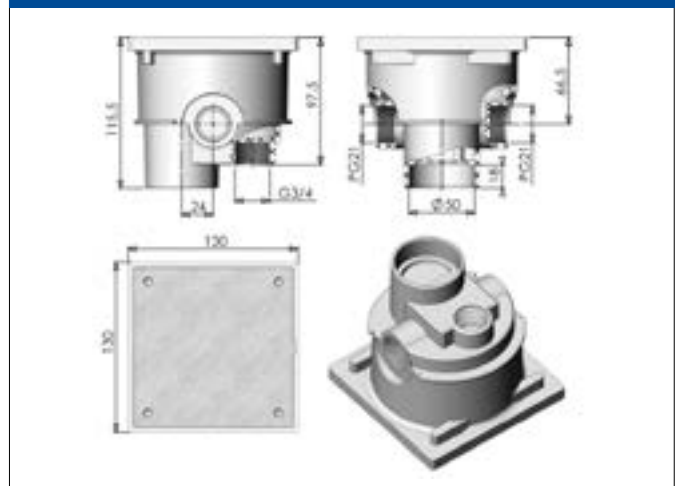
Type	Dimensions mm L x W x H	Connections	Colour	Art. no.
GBZ 1	130 x 130 x 97,5	3 x ¾" F thread, 1 x 50 mm glue	Anthracite	909024

- Total of 3 connections ¾" for PG glands, 1 pipe connection 50 mm.
- Made of UV-resistant ABS.

Cable box GBZ 1



Cable box GBZ 1



Waterproof cable boxes

Junction box for electrical cables.

Type	Cable diameter mm	Material	Number PG glands	Dimension l x w x h mm	Immersion depth max. m	Art. no.
Connect 4-6	6 - 10	Plastic	4	88 x 75 x 46	1	909022
Connect 4-12	12 - 15	Plastic	4	120 x 120 x 65	1	909023

- Waterproof up to 1 metre immersion depth (protection class IP 68).
- Terminal block not included with delivery.
- Material: black plastic.
- For optimal watertightness, casting in resin is strongly recommended.

Connect cable box



Connect cable box



Waterproof cable connectors

Type	Cable diameter mm	Material	Number PG glands	Dimension l x w x h mm	Immersion depth max. m	Art. no.
Mini-Box 4	7 - 14	Plastic	4	108 x 65	10	909013
Mini-Tube 2	7 - 12	Plastic	2	68 x 23	10	909012

- Waterproof up to 10 metres immersion depth.
- Incl. terminal block.
- Industrial quality.
- 4-pole cable connections.
- Material: black plastic.

Mini-Tube 2, single cable connector



Mini-Box 4, four-way cable connector



Installation column 500

Lockable installation column, suitable for outdoor installation.

Type	Total column dimensions W x D x H	Colour	Art. no.
IZZ 500	505 x 251,5 x 1170,5	Black	FT90951
IZZ 800	800 x 515 x 1170,5	Black	FT90953

Application

Universal installation column for housing electrical components and equipment.
The column can be partially buried.

Construction

- Cabinet 1.5 mm SS 441, black coated RAL 9005.
- Mounting plate of concrete-form plywood 430 x 15 x 600 mm.
- Lockable.

Expansion options

- Ventilation grilles.
- Other RAL colours.

Example installation column 500



Wall distribution boxes with main switch

Distribution box made of impact-resistant plastic with hinged window.

Type	Number socket outlets	Max. total power W	Voltage V/Hz	Art. no
Distribution box 4	4	3000	230 / 50	FT90342
Distribution box 4 BE/FR	4	3000	230 / 50	FT90342 BE/FR
Distribution box 8	8	3000	230 / 50	FT90343
Distribution box 8 BE/FR	8	3000	230 / 50	FT90343 BE/FR

Technical specifications

- Suitable for outdoor installation.
- Splash-proof IP 54.
- 1 main switch turns off all socket outlets.
- Expandable with, among others, a time switch and Flowswitch.
- PG gland for connecting the main power cable.

Distribution box 4



Distribution box 8



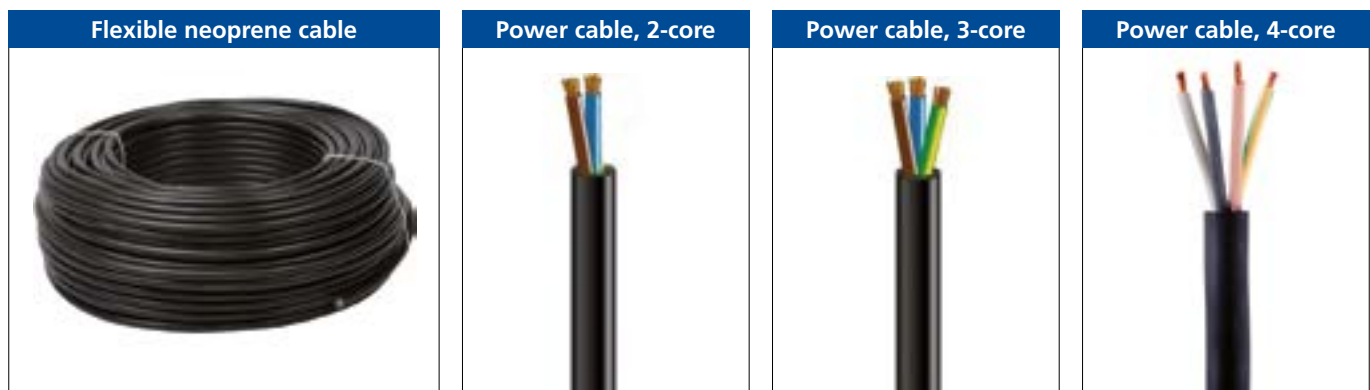
Neoprene power cable H07 RNF

Rubber power cable for connecting various electrical devices, or extending power cables

2-core cable H 07 RNF		3-core cable H 07 RNF		4-core cable H 07 RNF		5-core cable H 07 RNF	
Dimension	Art. no	Dimension	Art. no	Dimension	Art. no	Dimension	Art. no
2 x 1,0 mm ²	909019	3 x 6,0 mm ²	909003	4 x 1,5 mm ²	909011	5 x 1,5 mm ²	909020
2 x 1,5 mm ²	909006	3 x 1,5 mm ²	909004	4 x 2,5 mm ²	909014	5 x 2,5 mm ²	909021
2 x 2,5 mm ²	909005	3 x 2,5 mm ²	909017	4 x 4,0 mm ²	909015		
2 x 4,0 mm ²	909016	3 x 4,0 mm ²	909018				

Application

- Power cable for lighting, pumps, transformers.
- Burying cable is only permitted for low voltage (12 - 24 V).
- Suitable for use in damp environments.



Cable length table for connecting 24 V LED lighting

Power W	Max. permissible length m	Conductor cross-section mm ²				
		1,0	1,5	2,5	4,0	6,0
20	Length m ☒	35	50	90	150	220
30	Length m ☒	25	35	60	100	150
60	Length m ☒	10	20	30	50	65
100	Length m ☒	–	10	20	30	45
120	Length m ☒	–	8	15	25	35
150	Length m ☒	–	–	10	20	30
240	Length m ☒	–	–	–	12	18

Max. cable length in metres between power supply and LED spotlight 24 V, calculated at a max. voltage drop of 5%.

Scope of delivery and expansion options

Controls for pumps		
Description/function	Pump	Pump
Version	230 V	400 V
Pump		
20 m power cable for pump1	✓	✓
Pump control 230 V		
Capacitor cabinet with on/off isolator switch (except AT15/AT30/AT35)	✓	–
Expansion options, pump control 230 V		
Digital time switch for pump	Optional	–
Frequency controller for adjusting capacity / fountain height	Optional	–
Isolator switch, pump on 0 timer	Optional	–
Basic control, pump 400 V		
Control cabinet with motor-protection and isolator switch on off	–	Optional
Expansion options, pump control 400 V		
Digital time switch for pump	–	Optional
Isolator switch, pump on 0 timer	–	Optional
Frequency controller for adjusting capacity / fountain height	–	Optional

1 = Extending power cable possible.

Controls for pump and lighting are combined in one control cabinet.

Controls for LED lighting		
LED lighting	Warm / White	RGBW
20 m power cable for light2	✓	✓
Basic control, LED lighting set, Primary 230 V or 400 V, secondary 24 V DC		
230 V: Transformer 230 / 24 V 400 V: The supply cable must be fitted with a neutral conductor (3 Ph-0-A); if present, the control is adapted accordingly	✓	✓
Remote control (Remote control)	Optional	✓ ¹
Dimming LED lighting	Optional	✓ ¹
Colour choice and colour change- RGBW programme	–	✓ ¹
Touchscreen RGBW (in control cabinet)	–	Optional
Selection table for time switch expansion for lighting		
Digital time switch for lighting	Optional	Optional
Timer with light sensor (on cabinet or external, with 5 metre cable)	Optional	Optional
Digital astro time switch (switches on at sunset)	Optional	Optional
Isolator switch for lighting on 0 timer	Optional	Optional

If a time switch is chosen for both pump and lighting, we install 1 combi time switch.

Basic version of control cabinet	Pump	Pump + lighting
Plastic, anthracite or grey, splash-proof, wall mounting	✓	✓
Version options for the control cabinet		
Lockable	Optional	Optional
<i>Steel cabinet, splash-proof</i>	Optional	Optional

✓ † ☆ ■ * ● ◆ ❄❄❄❄ ❄ ▼ ❄ ❄❄❄ ● ❄❄❄ ❄ □ ✎

1 = Remote control up to max. 20 m, without obstacles.

2 = Extending power cable possible.

Controls for pump and lighting are combined in one control cabinet.

Light and water: a beautiful duo.



No fountain without lighting! Light and water make a great duo. Only LED technology is used. Not only extremely economical in energy consumption, but also huge possibilities with colours, colour changing and colour programmes.



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Further developments and technical subject to change.

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