

CONNECTED PRICE LIST

2017



Spectravision
lighting



Duratech
heat pumps

max
Zwembaden

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Glossary



QuickConnect™

Extremely reliable and easy to mount proprietary connector with gold plated contacts. The power-line wires can be inserted without the need to be stripped and are fixed with self-piercing contact screws.



PressFit™

Propulsion Systems invented this adjustable light mounting system that allow pool lights to be fitted seamless to the wall, even if the wall conduits have been mounted non-perpendicularly.



ClickOn™

Propulsion Systems introduced this innovative concept of easily interchangeable face plates for pool lights. A wide selection of face plates is available allowing detailed personalization.



NoAir™

Propulsion Systems is the pioneer in Resin filled swimming pool lights. This unique proprietary process guarantees many years of leakage- and condensation free light operation. At the same time internal reflection is eliminated, resulting in more light output



Ultra Flat Shape

The ultra flat shape makes it hard to use the light as a step, so no damage can occur.



DuraLink™

Proprietary Radio Frequency communication protocol that guarantees reliable and very long-range communication between system units.

DMX
512

DMX512

(Digital Multiplex) Is a standard for digital communication networks that are commonly used to control stage lighting and home-automation.

RS
485

RS-485

Is a telecommunications standard defining the electrical characteristics of drivers and receivers for use in balanced digital multipoint systems.



2 wire 12 V AC

Safety, reliability and multi functionality guaranteed. No need for external drivers.



COP

The coefficient of performance is a number that provides an indication of the efficiency of a heat pump. To calculate the COP of a heat pump, the heat output from the condenser is compared to the power supplied to the compressor & fan. Higher COPs result in a higher efficiency and a lower operating cost.



Low-Noise

We take great care in making our heat pumps as silent as possible. The number provides an indication of the amount of decibels produced by the heat pump.



Mode

Some pumps are capable of heating; others can also cool down the water temperature. You'll find the all seasons operations indication for pumps that can be used all year round.



MOT

Every heat pump has a 'Minimum Operation Temperature' at which the efficiency can still be guaranteed.

SpectravisionTM
lighting

X
en

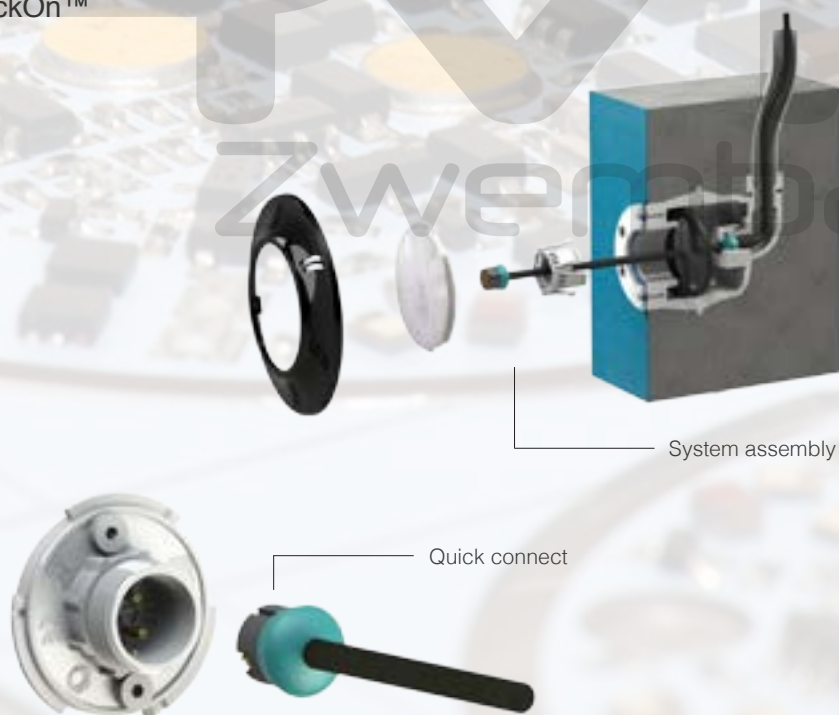


Adagio^{PRO}

Adagio^{PRO} lights offer you a range of fixed colours and dynamic lights. With just one click on the remote, you can give your swimming pool a totally different look.

Features & benefits

- 3 available diameters: 50, 100 and 170mm
- Can be installed in most 1 1/2 " wall conduits
- The 170mm version is fully compatible with PAR56 niche
- Long lifetime LEDs: >50.000 hours
- Resin filled NoAirTM housing: impossible for water to infiltrate in the light
- The use of high quality polymers makes the light salt electrolysis compatible
- Detachable 4m rubber cable included
- Programmable white and 11 RGB colour modes with smooth transitions
- Dimming possibility
- Very wide beam angle to avoid dark spots in the pool
- A wide selection of faceplates available for personalization
- Easy to install due to features like QuickConnectTM, PressFitTM and ClickOnTM



PLP050

Ø 50 mm



RGB	WH	WW	BL
400lm	600lm	540lm	165lm
10W	6W	6W	8W
€ 275	€ 185	€ 190	€ 210



PLP100

Ø 100 mm



RGB	WH	WW	BL
1700lm	2600lm	2350lm	470lm
45W	30W	30W	25W
€ 475	€ 265	€ 275	€ 305



PLP170

Ø 170 mm



RGB	WH	WW	BL
3000lm	5500lm	4950lm	1450lm
75W	60W	60W	60W
€ 595	€ 385	€ 395	€ 435



ORDERING CODE: PLP ... - ... (COLOUR)

050	RGB	Red green blue
100	WH	White
170	WW	Warm white
	BL	Blue

Spectravision™
lighting

DMAX

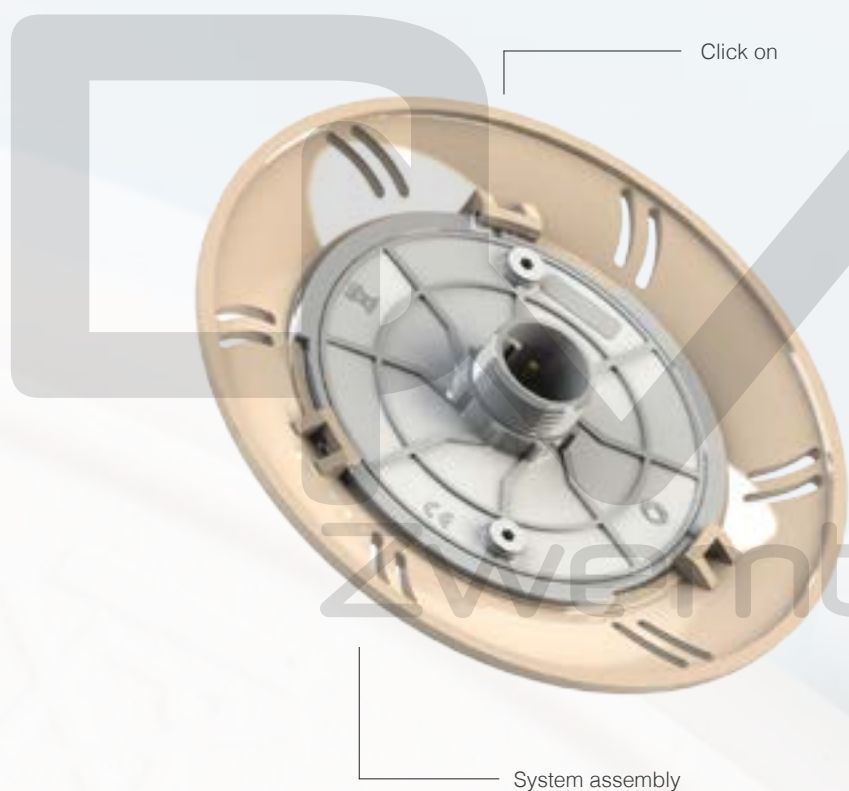
Zwembaden



Face Plates

A wide selection of face plates is available for the Adagio^{PRO} to offer you the opportunity to give a personal touch to your pool.

Detail



Click on

System assembly



ClickOn™



Ultra Flat Shape

RA Our most popular faceplate



WH	DG	LG	LB	MB	CG	SW	BL	SS	Colour	SS	
									Ø 170	€ 31	€ 84
									Ø 100	€ 26	€ 70
									Ø 050	/	/

RB For a lively look



WH	DG	LG	LB	MB	CG	SW	BL	Colour	SS	
								Ø 170	€ 31	/
								Ø 100	€ 26	/
								Ø 050	/	/

RC Original triangle shape, stainless steel only




Colour	SS	
Ø 170	/	€ 84
Ø 100	/	€ 70
Ø 050	/	/







RD Streamlined design with large round shaped cut-outs



WH	DG	LG	LB	MB	CG	SW	BL	Colour	SS	
								Ø 170	€ 31	/
								Ø 100	€ 26	/
								Ø 050	/	/

RF Solid, warm and modern look



WH	DG	LG	LB		BL	SS	Colour	SS	
							Ø 170	/	€ 109
							Ø 100	/	€ 88
							Ø 050	€ 18	€ 52



RN Thinner version of our RA model, for mosaic and concrete pools without liner only



WH	DG	LG	LB	MB	CG	SW	BL	SS	Colour	SS	
									Ø 170	€ 31	€ 84
									Ø 100	€ 26	€ 70
									Ø 050	/	/

RO Thinner version of our RF model, for mosaic and concrete pools without liner only



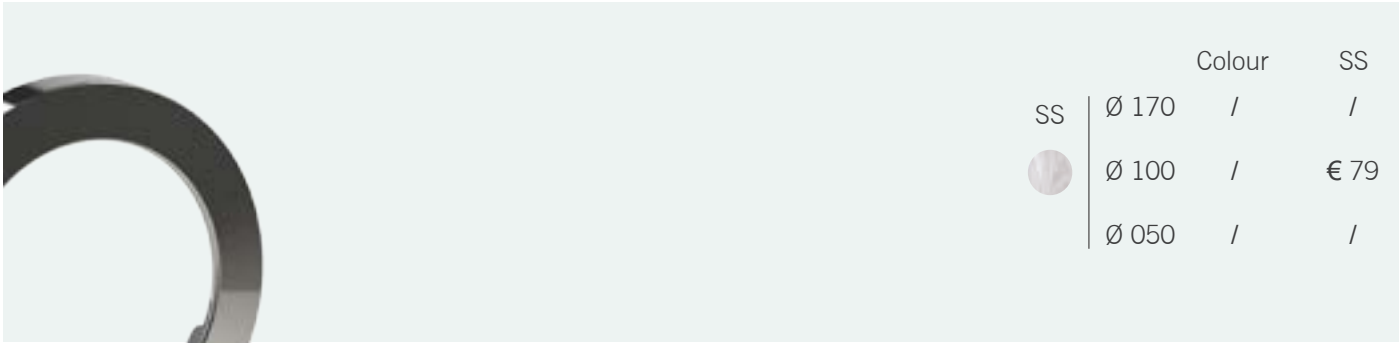
WH	DG	LG	LB		BL	SS	Colour	SS	
							Ø 170	/	€ 109
							Ø 100	/	€ 88
							Ø 050	€ 18	€ 52

RU North American standard version of our RN model



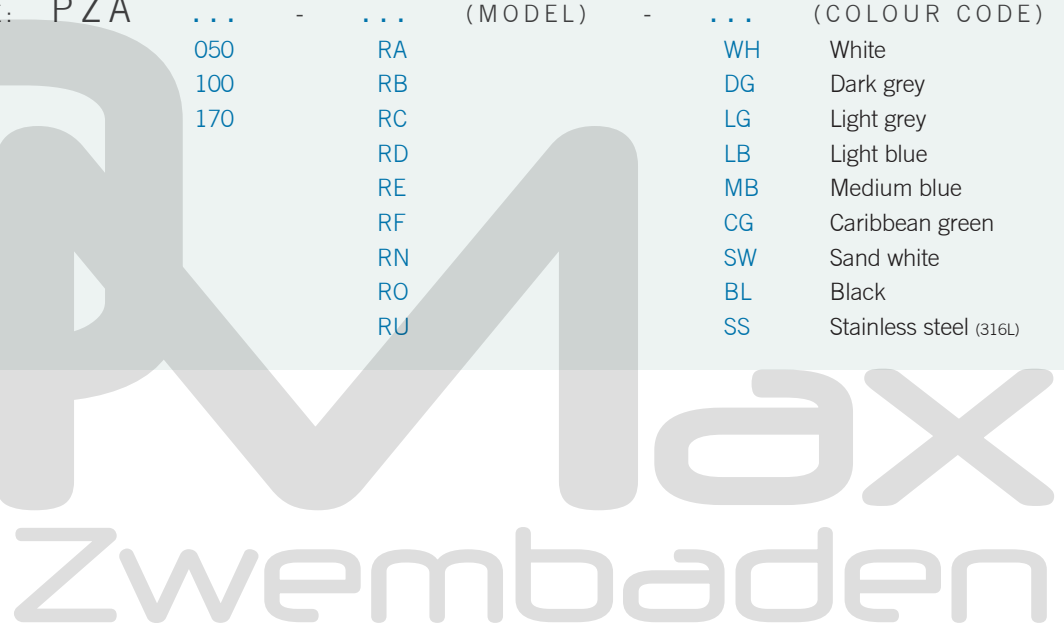
WH	DG	LG	LB	MB	CG	SW	BL	SS	Colour	SS	
									Ø 170	€ 31	€ 84
									Ø 100	/	/
									Ø 050	/	/

RP Small faceplate for stair lighting, stainless steel only



ORDERING CODE: PZA

...	(MODEL)	...	(COLOUR CODE)
050	RA	WH	White
100	RB	DG	Dark grey
170	RC	LG	Light grey
	RD	LB	Light blue
	RE	MB	Medium blue
	RF	CG	Caribbean green
	RN	SW	Sand white
	RO	BL	Black
	RU	SS	Stainless steel (316L)



Spectravision™
lighting

DMAX

Zwembaden



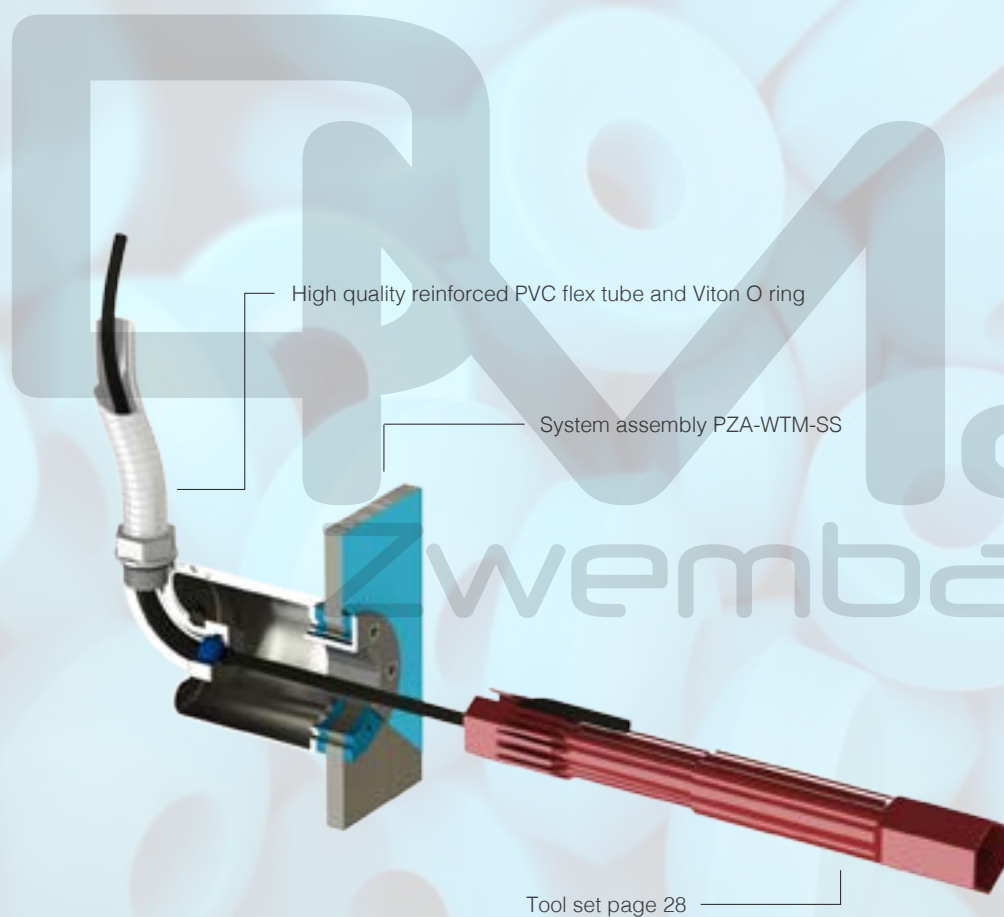
DM Max

Zwembaden

Wall Conduits

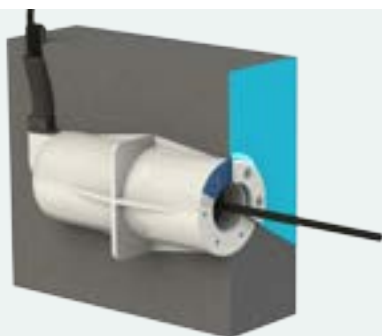
Because there are many types of pools and materials, the Spectravision® family offers a wide range of wall conduits for any kind of application. In most conduits the internal cable gland keeps the cable tube dry and allows cable replacement. The inside of our conduits can hold a cable long enough to reach above the surface of the water, changing a light was never so easy. Check out our newest family member, the rugged and indestructible Stainless Steel conduit.

Detail



Concrete or Stone Wall Pools, Liner, Mosaic Pools

PZA-WC-S



- Wall conduit to flex tube 25mm or cable
- Internal cable gland
- High quality flex tube included

€ 48

PZA-WC-G



- Wall conduit to glue Ø 50 - 63 mm PVC pipe

€ 48

PZA-WCS-S



- Wall conduit to flex tube 25mm or cable
- Internal cable gland
- High quality flex tube included

€ 46

PZA-WCS-G

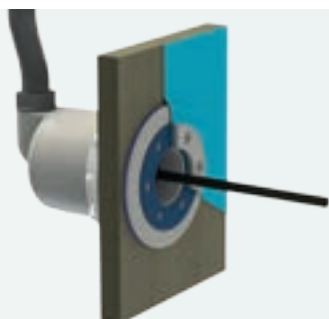


- Wall conduit to glue Ø 50 - 63 mm PVC pipe

€ 46

Polyester, Metal or Wooden Wall Pools

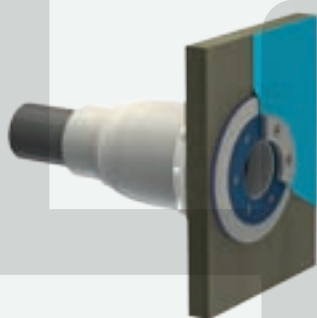
PZA-WTM-S



- Wall conduit to flex tube 25mm or cable
- Internal cable gland
- High quality flex tube included

€ 48

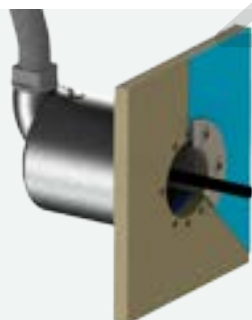
PZA-WTM-G



- Wall conduit to glue Ø 50 - 63 mm PVC pipe

€ 48

PZA-WTM-SS



- Wall conduit stainless steel (316L) to flex tube 25mm
- Internal cable gland
- High quality flex tube included

€ 255



Spectravision™
lighting

dmax
zweembaden



Special Applications

Spectravision® is much more than a range of lights. Our engineers have developed a number of solutions so you can replace old school lights by modern technology, or replace broken lights from no longer existing manufacturers with here-to-stay light sources.

Detail



System assembly PZA100-RY-WH

PAR56 Retrofit Solutions

Standard retrofit solution

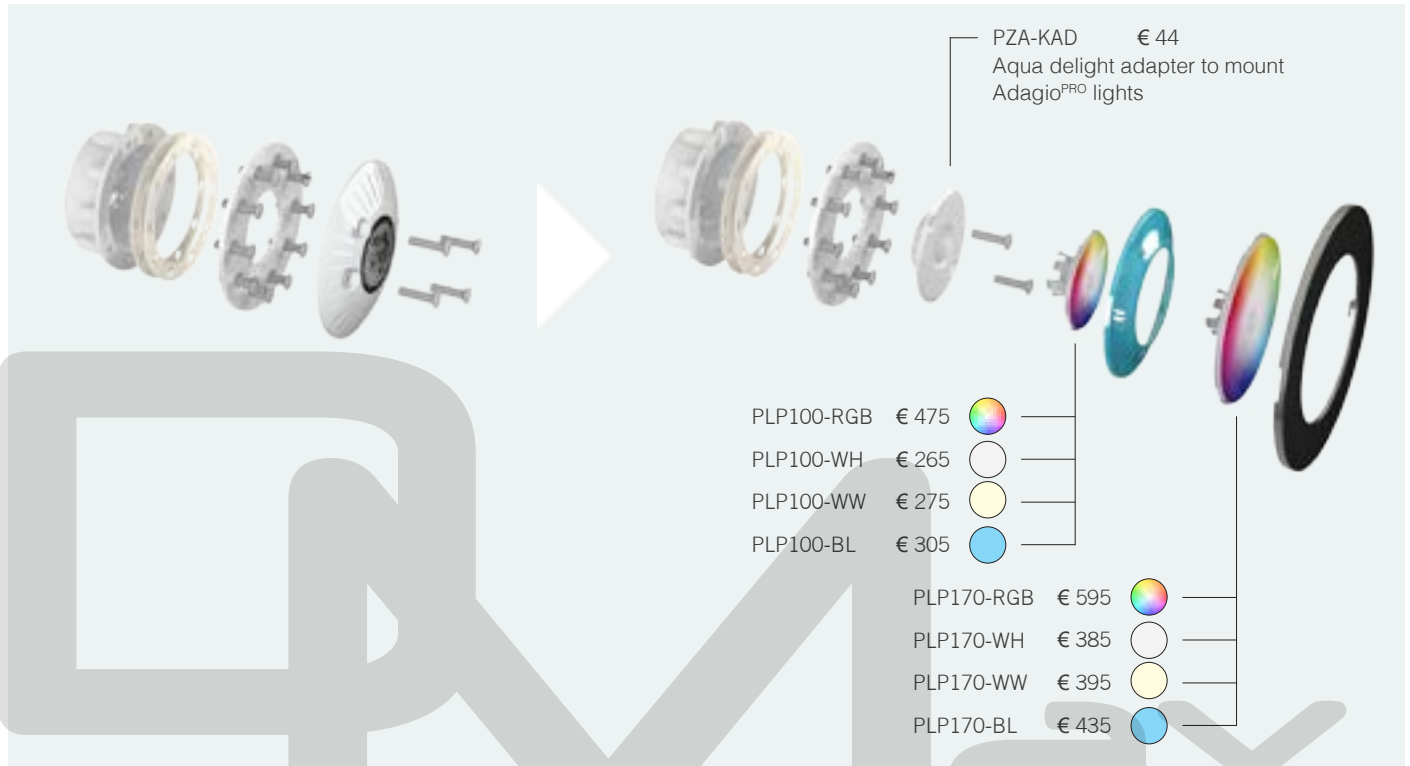


PZS170-MTS solution for MTS niche



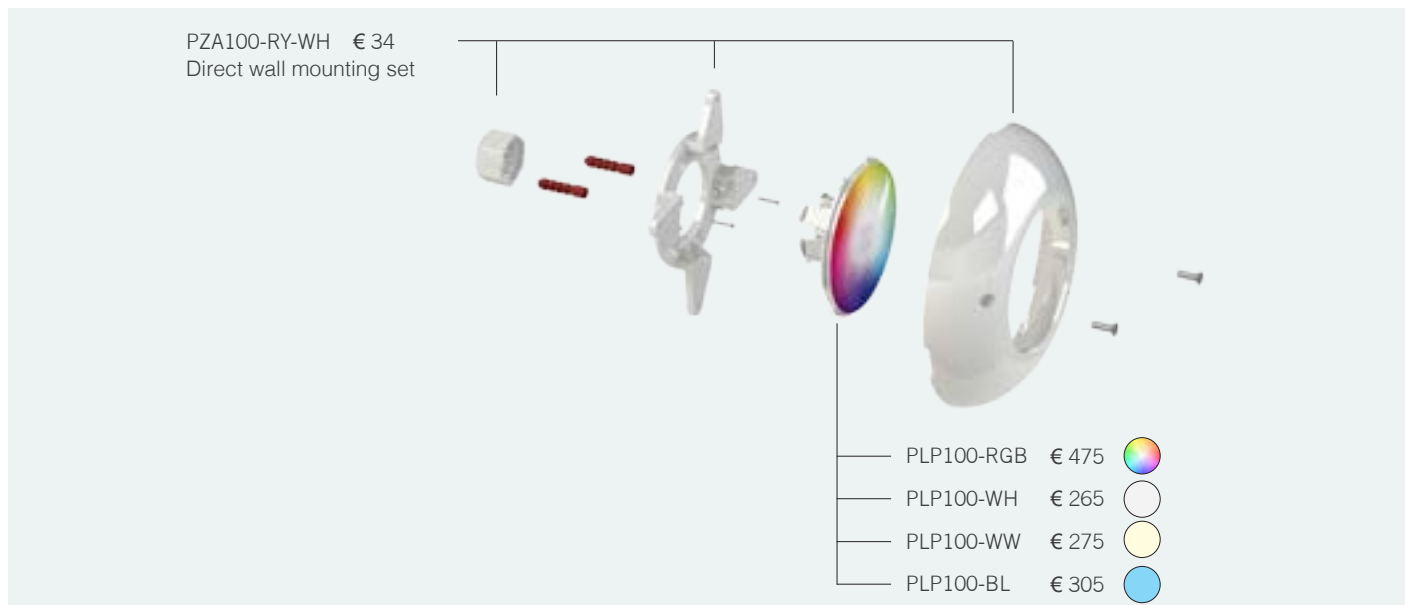
Adapter plate for Aqua Delight Niche

PZA-KAD



Direct Wall Mounting

PZA100-RY-WH





Adagio^{PRO}

PLP050

PLP100

RGB WH WW BL

RGB WH WW BL

Ordering code:	UNITS	PLP050-RGB	PLP050-WH	PLP050-WW	PLP050-BL	UNITS	PLP100-RGB	PLP100-WH	PLP100-WW	PLP100-BL
Light colour:		R-G-B	Day White	Warm White	Blue		R-G-B	Day White	Warm White	Blue
Nominal colour temperature Tc:	K		5000	3300		K		5000	3300	
Max. light Output:	lm	400	600	540	165	lm	1700	2600	2350	470
Beam Angle	°	116	116	116	116	°	116	116	116	116
Diameter Optic:	mm	50	50	50	50	mm	100	100	100	100
Max Power:	W	10	6	6	8	W	45	30	30	25
Nominal Input Voltage:	V AC	12	12	12	12	V AC	12	12	12	12
System Life time hrs:	h	>50.000	>50.000	>50.000	>50.000	h	>50.000	>50.000	>50.000	>50.000
Power Factor:		> 0,96	> 0,93	> 0,93	> 0,93		> 0,96	> 0,93	> 0,93	> 0,93
Operating temperature:	°C	-5	-5	-5	-5	°C	-5	-5	-5	-5
	°C	up to 40	up to 40	up to 40	up to 40	°C	up to 40	up to 40	up to 40	up to 40

Can be used with the following

Power Supply & Remote Control

Color changing by Manual ON/OFF:	V	X	X	X	V	X	X	X
PL-REM & PL-REM-P:	V	V	V	V	V	V	V	V
PL-REM-60 (max 60VA):	V	V	V	V	V	V	V	V
PL-REM-200 (max 200VA):	V	V	V	V	V	V	V	V
PLP-REM:	V	V	V	V	V	V	V	V
PLP-REM-300 (max 300VA):	V	V	V	V	V	V	V	V

Adagio^{PRO}

PLP170

RGB WH WW BL

Ordering code:	UNITS	PLP170-RGB	PLP170-WH	PLP170-WW	PLP170-BL
Light colour:		R-G-B	Day White	Warm White	Blue
Nominal colour temperature Tc:	K		5000	3300	
Max. light Output:	lm	3000	5500	4950	1450
Beam Angle	°	116	116	116	116
Diameter Optic:	mm	170	170	170	170
Max Power:	W	75	60	60	60
Nominal Input Voltage:	V AC	12	12	12	12
System Life time hrs:	h	>50.000	>50.000	>50.000	>50.000
Power Factor:		> 0,96	> 0,93	> 0,93	> 0,93
Operating temperature:	°C	-5	-5	-5	-5
	°C	up to 40	up to 40	up to 40	up to 40

Can be used with the following

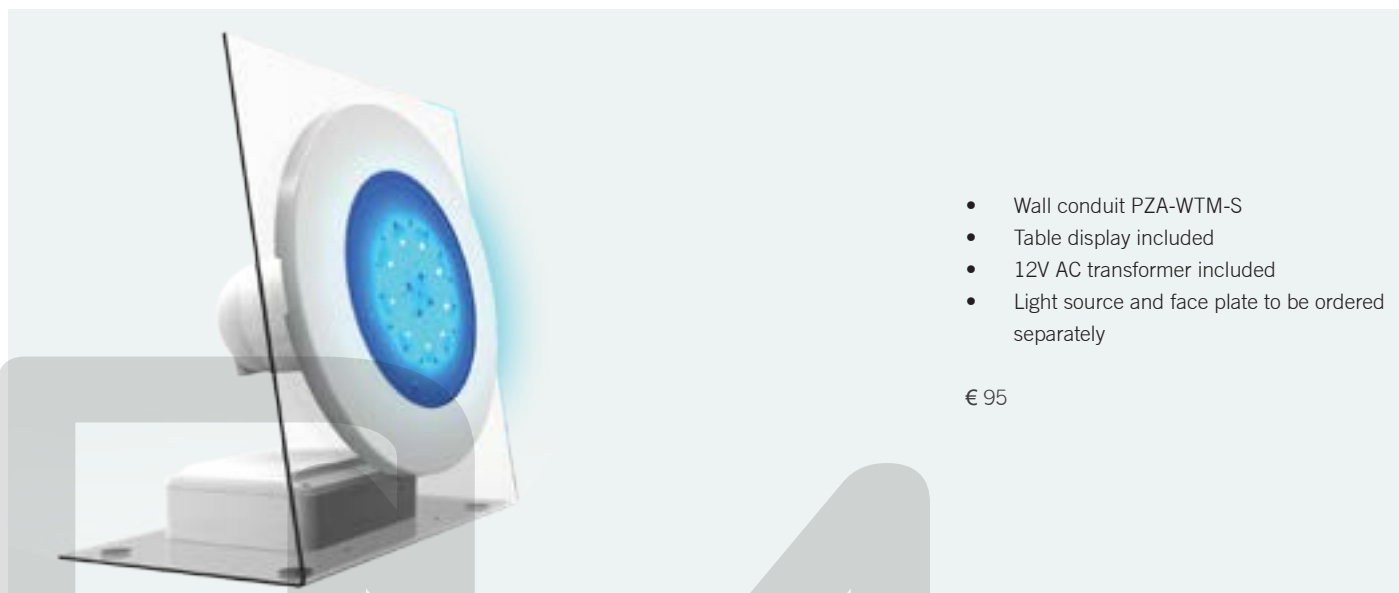
Power Supply & Remote Control

Color changing by Manual ON/OFF:	V	X	X	X
PL-REM & PL-REM-P:	V	V	V	V
PL-REM-60 (max 60VA):	X	V	V	V
PL-REM-200 (max 200VA):	V	V	V	V
PLP-REM:	V	V	V	V
PLP-REM-300 (max 300VA):	V	V	V	V

Tech Specs

Promo Kit

DEMO-01 Functional table stand for ADAGIO^{PRO}



- Wall conduit PZA-WTM-S
- Table display included
- 12V AC transformer included
- Light source and face plate to be ordered separately

€ 95

513-0151 Tool set for ADAGIO^{PRO}



- Easy fixing of light module in face plate
- Easy fixing of cable gland
- Easy guiding of cables with cable puller

€ 16



Control Solutions



max
Zwerloaden



Dmax
arden

PLP Control

All Spectravisión® lights can be operated on 12 V AC. Our light controllers come with a free hand held transmitter. Additional units are available for purchase. An out of the box solution is offered with controllers who contain a built-in transformer. We also offer separate controllers and transformers for those wanting to create their own set-up.

Features & benefits

- 12VAC
- Dim the lights (PLC mode) or change their colour
- DIP switch to select controller functionalities
- SD card slot for future upgrades
- CAN BUS for connecting multiple PLP-REM's together (can also be done wireless)
- RS485 to connect your home automation system
- DMX 512
- A&B auxiliary output to control pool cover, garden lighting, ...



DuraLink™

**DMX
512****RS
485**

2 wire 12 V AC

PLP-REM



- Without transformer
- Intelligent control for Adagio^{PRO} RGB
- DMX512 & RS-485 connectivity
- 1 hand held transmitter included
- 2 auxiliary outputs

€ 295

PLP-REM-300



- With built in transformer 300 VA
- Intelligent control for Adagio^{PRO} RGB
- DMX512 & RS-485 connectivity
- 1 hand held transmitter included
- 2 auxiliary outputs

€ 395

TX 868



- Hand held transmitter on 868 MHz for long range transmitting
- Easy to use with only a few buttons

€ 59

Control Solutions

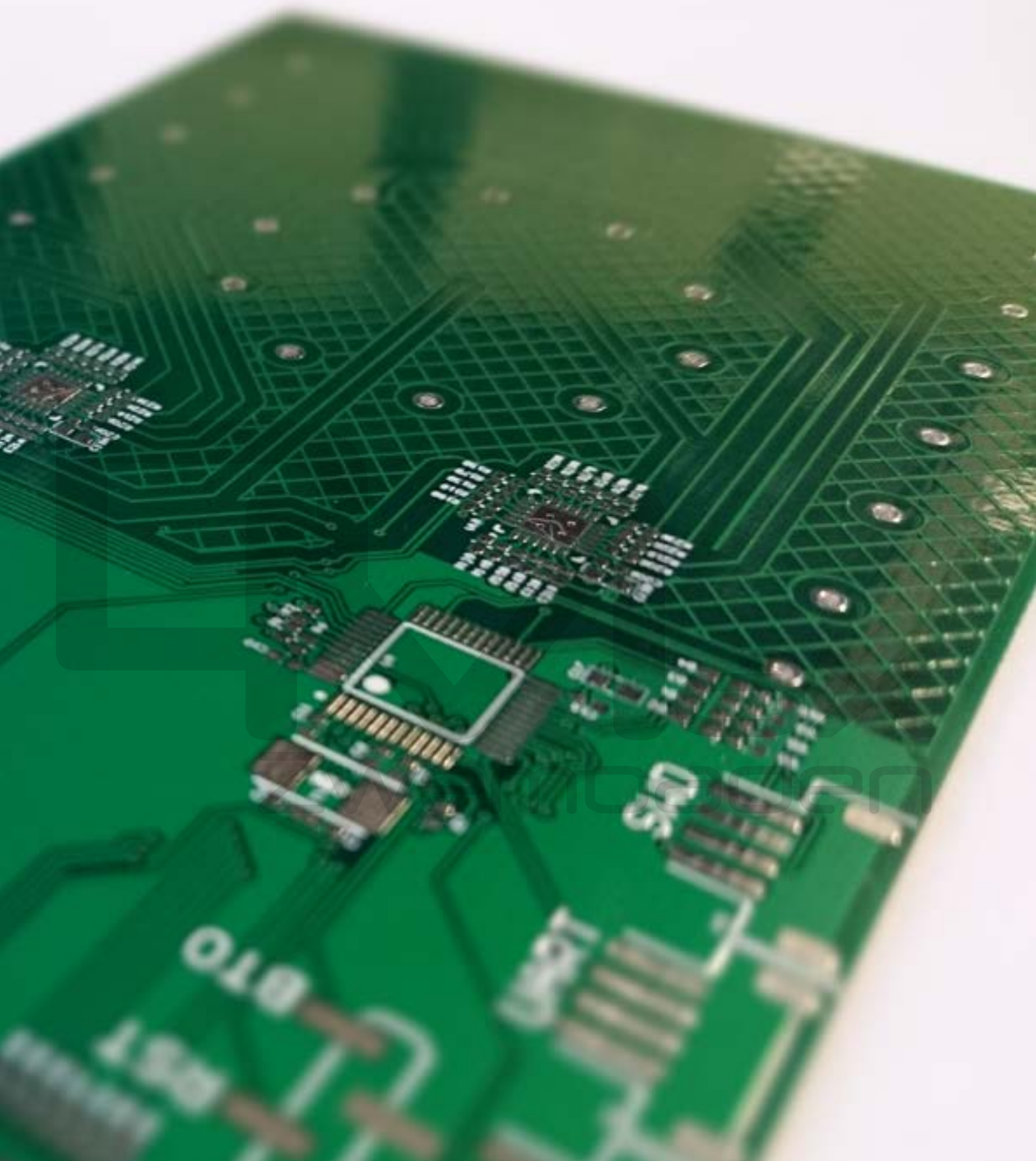
Switch your lights on and off or change their colour. Verify, increase or decrease the water temperature. Open or close the pool cover. All these actions can be done with just one state of the art remote control unit. The shock resistant and waterproof SmartTouch™ panel can be mounted onto the wall or taken to the terrace and even into the pool. SmartTouch™ stands for modern connected technology that can be combined with new installations or incorporated in existing systems as an upgrade. Several versions will be available: starting at € 185

Detail



System assembly

Coming Soon



SmartTouch

DuratechTM
heat pumps 





max
Zwembaden

Dura_{PRO}

Compared to regular heat pumps, inverter driven pumps automatically optimise the refrigerant flow rate by varying the speed of both the fan and the compressor. Inverter technology makes it possible to reach extremely high COPs regardless of the outside temperature. This does not only save energy but the pool is also swim-ready in no time. The desired water temperature can be adjusted in steps of 0,1°C.

On top of all these benefits you can enjoy the silence thanks to a unique internal ventilation structure that keeps the noise below 50dB even reaching 40dB in silent night mode. The unit is equipped with a 5" full colour touch screen display. Not only temperature and energy consumption can be easily monitored, but also all pressure related information coming from the built-in digital pressure sensor. Dura^{PRO} is offered in 4 different models ranging from 12, 17, 21 and 25 kW.

Features & benefits

- Easy to use digital control panel
- Soft start
- Low noise, multi-speed fan
- Automatic hot gas defrosting
- Titanium heat exchanger
- Operates in air temperatures as low as -15°C
- Capable of heating and cooling, all year round



COP up to 13,5



-15



< 46 dB(A)



heating & cooling

Dura Pro



DURAPRO12

12 kW

230 VAC

1-phase

60 m³

€ 4.300

Dura Pro



DURAPRO17

DURAPRO21

17 kW

19,5 kW

230 VAC

230 VAC

1-phase

1-phase

75 m³95 m³

€ 5.500

€ 6.800

Dura Pro



DURAPRO25

24,2 kW

230 VAC

1-phase

120 m³

€ 7.900

Dura_{PRO}

12

Dura_{PRO}

17

Ordering code:	UNITS	DURAPRO12	UNITS	DURAPRO17
Advised pool volume:*	m ³	30 - 60	m ³	40 - 75
Operating air temperature:	°C	-15 ... 43	°C	-15 ... 43
Heating Capacity: Air 27°C / Water 26°C / Humidity 80%	kW	2,85 - 12	kW	3,77 - 17
	Btu	9690 - 40800	Btu	12818 - 57800
Consumed power:	kW	0,21 - 2,12	kW	0,3 - 3,02
COP		13,57 - 5,66		12,57 - 5,63
Heating Capacity: Air 15°C / Water 26°C / Humidity 70%	kW	2,25 - 9,7	kW	2,92 - 12,4
	Btu	7650 - 32980	Btu	9928 - 42160
Consumed power:	kW	0,32 - 2,08	kW	0,44 - 2,86
COP		7,03 - 4,66		6,64 - 4,34
Heating Capacity: Air 10°C / Water 26°C / Humidity 64%	kW	1,88 - 8	kW	2,5 - 10,7
	Btu	6329 - 27200	Btu	8500 - 36380
Consumed power	kW	0,33 - 1,95	kW	0,45 - 2,64
COP		5,7 - 4,1		5,56 - 4,05
Power supply	VAC	230V / 50Hz	VAC	230V / 50Hz
Average power input	kW	0,99	kW	1,38
Average running current	A	4,3	A	6
Current range	A	0,9 - 9,2	A	1,3 - 13,1
Compressor quantity		1		1
Compressor type		Rotary		Rotary
Refrigerant		R410A		R410A
Fan quantity		1		1
Fan power input	W	100	W	120
Fan rotary speed	RPM	600 - 800	RPM	600 - 750
Fan direction		Horizontal		Horizontal
Noise	dB(A)	42	dB(A)	44
Water connection	mm	50	mm	50
Nominal water flow	m ³ /h	4,2	m ³ /h	5,3
Water pressure drop (max)	kPa	4,5	kPa	5
Unit net dimensions(L*W*H)	mm	1003*396*767	mm	1117*430*868
Unit shipping dimensions(L*W*H)	mm	1130*460*790	mm	1210*510*880
Net weight	kg	59	kg	77
Shipping weight	kg	69	kg	89

* advised pool volume for an entirely insulated pool with cover, free from wind and exposed to the sun



13,57



42



-15



12,57



44



-15

Dura_{PRO}

21

Dura_{PRO}

25

Ordering code:	UNITS	DURAPRO21	UNITS	DURAPRO25
Advised pool volume:*	m ³	50 - 95	m ³	65 - 120
Operating air temperature:	°C	-15 ... 43	°C	-15 ... 43
Heating Capacity: Air 27°C / Water 26°C / Humidity 80%	kW	4,6 - 19,5	kW	5,7 - 24,2
	Btu	15640 - 66300	Btu	19380 - 82280
Consumed power:	kW	0,37 - 3,94	kW	0,46 - 4,8
COP		12,43 - 4,95		12,39 - 5,04
Heating Capacity: Air 15°C / Water 26°C / Humidity 70%	kW	3,84 - 15,4	kW	4,68 - 19,9
	Btu	13056 - 52360	Btu	15912 - 67660
Consumed power:	kW	0,6 - 3,81	kW	0,72 - 4,74
COP		6,4 - 4,04		6,5 - 4,2
Heating Capacity: Air 10°C / Water 26°C / Humidity 64%	kW	3,38 - 14,4	kW	4,2 - 17,8
	Btu	11492 - 48960	Btu	14280 - 60520
Consumed power	kW	0,62 - 3,62	kW	0,75 - 4,4
COP		5,45 - 3,98		5,6 - 4,05
Power supply	VAC	230V / 50Hz	VAC	230V / 50Hz
Average power input	kW	1,72	kW	2,1
Average running current	A	7,5	A	9,1
Current range	A	1,6 - 17,1	A	2 - 20,9
Compressor quantity		1		1
Compressor type		Rotary		Rotary
Refrigerant		R410A		R410A
Fan quantity		1		2
Fan power input	W	120	W	200
Fan rotary speed	RPM	600 - 900	RPM	400 - 800
Fan direction		Horizontal		Horizontal
Noise	dB(A)	45	dB(A)	46
Water connection	mm	50	mm	50
Nominal water flow	m ³ /h	6,6	m ³ /h	8,6
Water pressure drop (max)	kPa	6	kPa	11
Unit net dimensions(L*W*H)	mm	1117*430*868	mm	1163*447*1275
Unit shipping dimensions(L*W*H)	mm	1210*510*880	mm	1210*495*1300
Net weight	kg	82	kg	110
Shipping weight	kg	95	kg	125

* advised pool volume for an entirely insulated pool with cover, free from wind and exposed to the sun



12,43



45



-15



12,39



46



-15



MAX
embaden



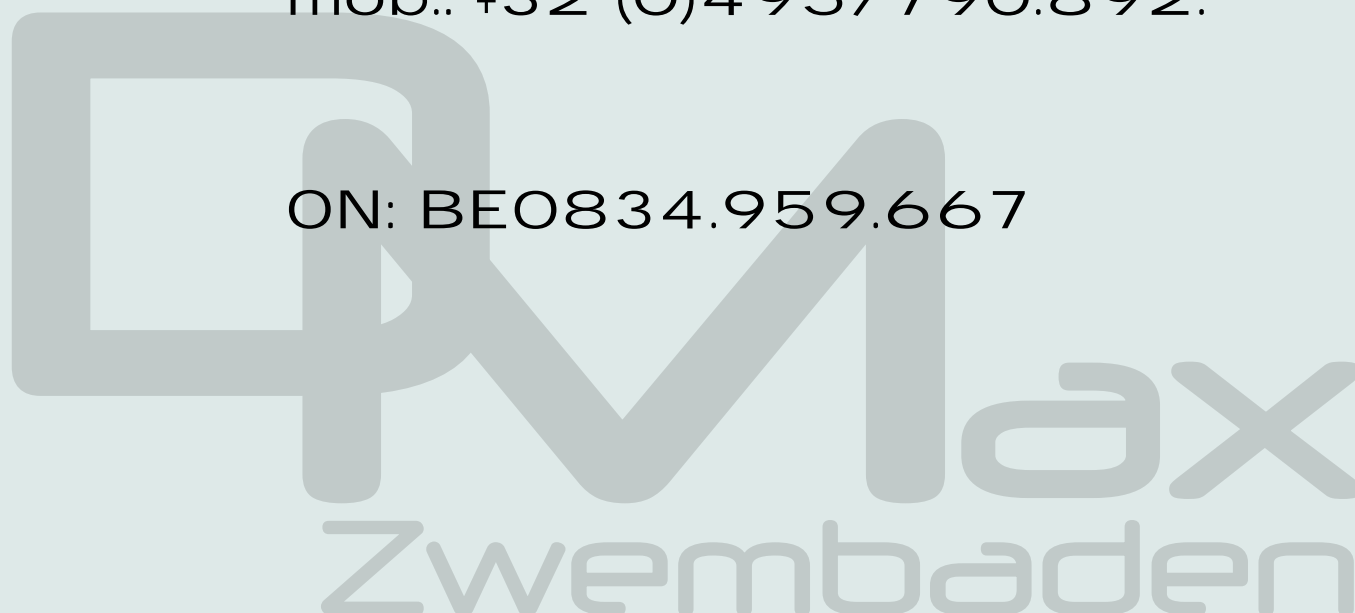
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