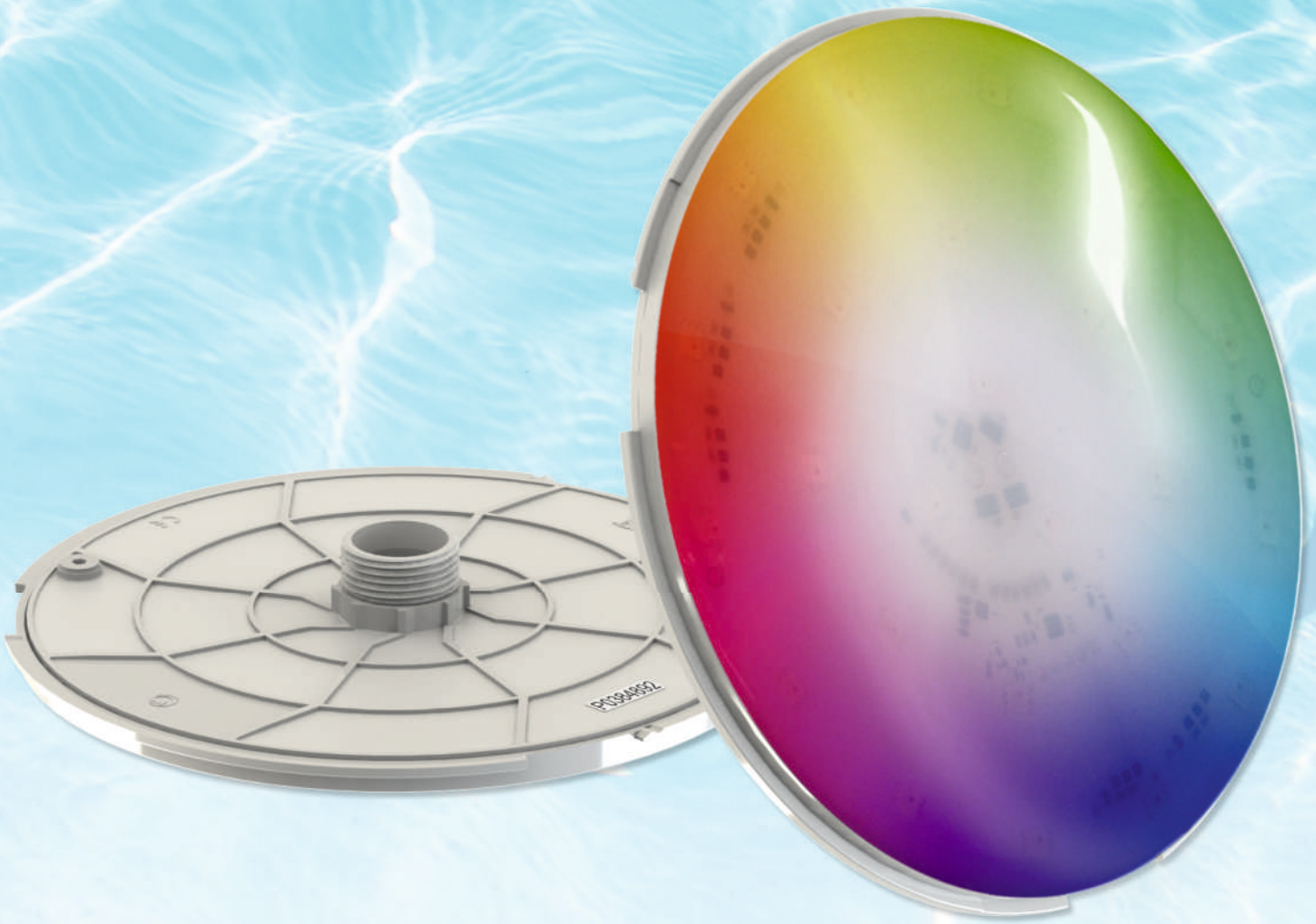
08



LIGHTING

Spot on! With our bulbs you put your pool in the right light.
All the colors in the light spectrum make sure you do just that
Create a mood image that you want to have. With MIDAS you get
Modern LED lights as well as classic lamps.
Extensive accessories, such as various panels, wall ducts,
Controls and additional cables, junction boxes and transformers is
of course available.

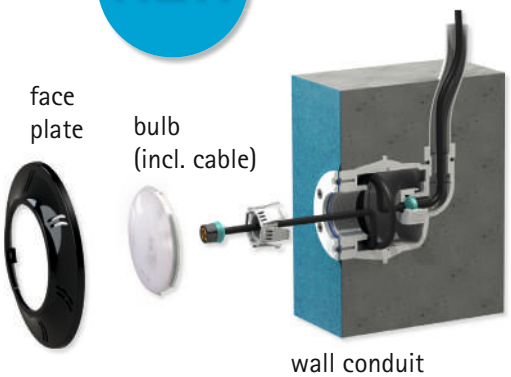
OVERVIEW

148	Adagio^{PRO} LED Lights
149	Spectra LED Lights
150	Underwater Lights, LED Replacement Bulbs
151	Adagio^{PRO} Wall Conduits
152	Adagio^{PRO} Face Plates
153	Controls for Adagio^{PRO} and LED Replacement Lamp LPS56 and PLW56-Series
154	LED Underwater Lights
157	Conduit Cable, Tool Set, Cable for Underwater Lights, Deck Box

Purchase only in full packaging units.

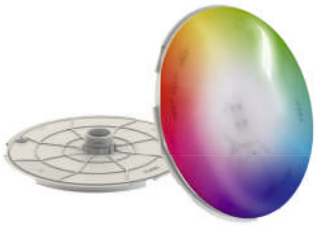
NEW

Adagio PRO LED LIGHTS



ADAGIO[PRO] underwater lights impress with their ultra-flat design and high luminosity. The click system makes the installation quick and easy. Face plates are available in different materials and shapes.
No niche is necessary. Remote control can synchronise the lights and gives different white tones and selectable 11 RGB modes.

- 3 available bulb diameters: 50 mm, 100 mm and 170 mm
- can be installed in most 1½" wall conduits
- the 170mm version is fully compatible with PAR56 niche
- resin filled NoAir™ housing: impossible for water to infiltrate in the light
- the use of high quality polymers makes the light salt electrolysis compatible
- detachable, 4 m rubber cable 2 x 1 mm² (50 mm and 100 mm), 4 m rubber cable 2 x 1,5 mm² (170 mm) included
- programmable - cold white
  - normal white
  - warm white
  - 11 RGB color modes with smooth transitions
- dimming possibility (100 %, 75 %, 50 %)
- very wide beam angle to avoid dark spots in the pool
- easy to install
- 116° beam angle
- protection class IP65 measured at a depth of 3 m
- water temperature from –5°C to +40 °C
- suitable for all types of pools
- DMX512 and RS-485 suitable in combination with #RCO-150 and #RC-150
- same color gradient after renewed reconnection or after power interruptions
- Controllable with RC control, on page 153
- Lens: matt



170 mm

ADAGIO[PRO] LED BULB – PAR 56 *

long lifetime LEDs: > 50.000 hours, also available separately

Diameter	Color	LED quantity	Lumen Lm	Performance	Packing	Code
170 mm	white 5.000 K	128	5.500	60 W/12 V	6	675-W
170 mm	warm white 3.300 K	128	4.950	60 W/12 V	6	675-WW
170 mm	RGB	3 x 32	3.000	75 W/12 V	6	675-RGB

100 mm

ADAGIO[PRO] LED BULB *

long lifetime LEDs: > 50.000 hours, > 50,000 hours, also available separately

Diameter	Color	LED quantity	Lumen Lm	Performance	Packing	Code
100 mm	white 5.000 K	64	2.600	30 W/12 V	6	676-W
100 mm	warm white 3.300 K	64	2.300	30 W/12 V	6	676-WW
100 mm	RGB	3 x 16	1.700	45 W/12 V	6	676-RGB
50 mm	white 5.000 K	16	600	6 W/12 V	6	677-W
50 mm	warm white 3.300 K	16	540	6 W/12 V	6	677-WW
50 mm	RGB	3 x 8	400	10 W/12 V	6	677-RGB

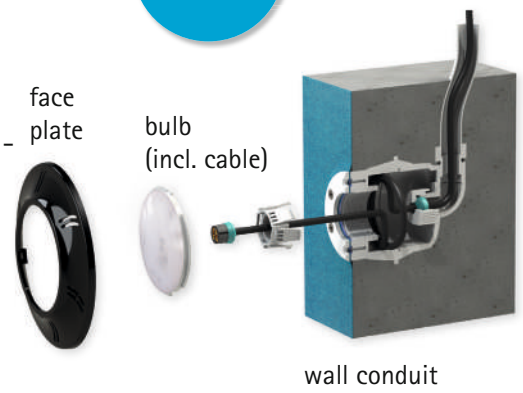
50 mm

* Matching aperture selection see catalog page 152

SPECTRA LED LIGHTS

NEW

PECTRA underwater lights convince with their ultra-flat design, high luminosity and very even pool illumination. Several lights can be operated in parallel with each other. Wall bushings allow quick and easy installation. Shutters in many materials and shapes refine these underwater lights. With just one click on your remote, you give your pool a completely different look - different white tones are as selectable as 11 different RGB colors.



- 3 diameters available: 50 mm, 100 mm and 170 mm
- Suitable for most 1½ "wall feedthroughs
- 170mm version: compatible with PAR56 recessed box
- Resin-filled NoAir ™ package: no water penetration
- suitable for use with high quality polymers for salt electrolysis
- detachable, 2 m cable 2 x 1 mm2 included
- Programmable (RGB): - cold white
  - neutral white
  - warm white
  - 11 RGB colors with smooth transitions
- Very wide beam angle 120 ° for optimal pool illumination
- easy to install
- Degree of protection IP68 (measured at 3 m depth), protection class III
- Water temperature from -5 ° C to +40 ° C
- suitable for all types of pools
- suitable for salt electrolysis (high quality polymer)
- Same color gradient after renewed reconnection or after power interruptions
- Controllable with RC control, on page 153
- Lens: clear

SPECTRA LED BULB – PAR 56*

long lifetime LEDs: > 30.000 hours, also available separately

170 mm

Diameter	Color	LED quantity	Lumen Lm	Performance	Packing	Code
170 mm	cool white or warm white oder blau 3.000 K-6500 K	128	2.800	24,5 W/12 V	6	655-W
170 mm	RGB	3 x 32	1.600	24,5 W/12 V	6	655-RGB

SPECTRA LED BULB*

long lifetime LEDs: > 30.000 hours, also available separately

100 mm

Diameter	Color	LED quantity	Lumen Lm	Performance	Packing	Code
100 mm	cool white or warm white oder blue 3.000 K -6.500 K	64	1.300	13,5 W/12 V	6	656-W
100 mm	RGB	3 x 16	850	13,5 W/12 V	6	656-RGB
50 mm	cool white or warm white oder blue 3.000 K -6.500 K	16	350	4,5 W/12 V	6	657-W
50 mm	RGB	3 x 8	250	4,5 W/12 V	6	657-RGB

50 mm

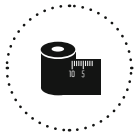
* Matching aperture selection see catalog page 152

Purchase only in full packaging units.

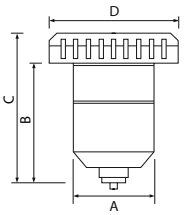
UNDERWATER LIGHT HALOGEN WITHOUT NICHE

Small compact underwater light made of white ABS, NO niche required! Installation in **concrete pools** with O-ring in wall roof conduit, in **prefabricated pools** with gaskets and counter nut 2" AG. Halogen bulb 50 W/12 V, incl. 2,5 m cable 2 x 1,5 mm².

For pool type	Packing	Code	kg
Concrete pool, adhesive with O-ring	12	17883	0,50
Prefabricated pool, 2" AG	12	17883V	0,60



Art. / Code	A (mm)	B (mm)	C (mm)	D (mm)
# 17883	59,00	74,97	91,55	94,27
# 17883V	2" AG	74,97	91,55	94,27



LED REPLACEMENT BULB PAR 56 WHITE

Break-proof polycarbonate, Execution flat, white LED replacement lamp, intense light intensity, suitable for all UWS PAR 56, Lifetime> 25,000 hours, Incl. 4 m connection cable 2 x 1 mm², cast waterproof, 120° beam angle, Degree of protection IP68 measured at 1 m depth, Max. Water temperature 35 °C, color temperature 9,000 K, also available individually, not suitable for # 481-TM, # 483-TM and # 493-TM

Color	LED quantity	Lumen	Performance	Packing	Code	kg
White	324	1.850 Lm	19W/12V	6	PLW56-400	0,22
White	531	2.100 Lm	28W/12V	6	PLW56-700	0,27

2 years manufacturer's warranty

LED REPLACEMENT BULB PAR 56 RGB

Break-proof polycarbonate, flat design, suitable for all UWS PAR 56, RGB LED lamps for a special ambience, Basic colors: red, green, blue, 16 color settings controllable by remote control, with installation instructions for synchronization, service life> 25,000 hours, incl. 4 m connection cable 2 x 1 mm², waterproof shed, 120° beam angle, degree of protection IP68 measured at 1 m depth, Max. Water temperature 35 °C, also available individually, suitable for UWS PAR56 headlights, not suitable for # 481-TM, # 483-TM and # 493-TM

Optional controls on page 153

Color	LED quantity	Lumen	Performance	Packing	Code	kg
RGB	324	925 Lm	21W/12V	6	PLS56-400	0,22
RGB	531	1.450 Lm	25W/12V	6	PLS56-700	0,27

2 years manufacturer's warranty

ADAGIO^{PRO} WALL CONDUITS

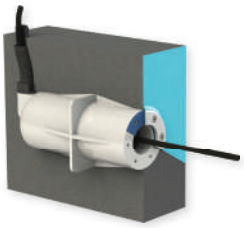
Code 670, 671: Material: ABS plastic
Wall conduit for concrete pool, stone wall pools, liner and mosaic pools to flex tube 25 mm high quality flex tube ¾" external thread 0,8 m, internal cable gland, incl. flange, gaskets and screws

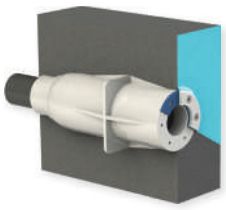
Code 672, 673: Material: ABS plastic
Wall conduit for concrete pool, stone wall pools, liner and mosaic pools to glue Ø 50 – 63 mm PVC pipe, incl. flange, gaskets and screws

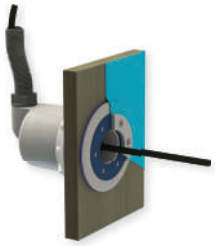
Code 674: Material: ABS plastic
Wall conduit to prefabricated pools, wooden or set-up bassin with 0,8 m high quality flex tube 25 mm / ¾" external thread, incl. flange, gaskets and screws

Code 675: Material: stainless steel V4A/AISI 316
Wall conduit to prefabricated pools, wooden or set-up bassin with 0,8 m high quality flex tube 25 mm / ¾" external thread, incl. flange, and gaskets

670, # 672 and # 675: ideal for Formwork stones!


670, 671


672, 673


674

675

Length	Material	Packing	Code	kg
Length 129,5 mm	ABS plastic	6	670	0.70
Length 254 mm	ABS plastic	6	671	0.59
Length 152 mm	ABS plastic	6	672	0.60
Length 276 mm	ABS plastic	6	673	0.35
Length 160 mm	ABS plastic	6	674	0,7
Length 130 mm	stainless steel V4A/AISI 316	6	675	0,5

DIRECT WALL MOUNT SET

NEW

Ideal for all **ADAGIO**^{PRO} and **SPECTRA** lights in 100 mm diameter
universal for concrete and foil basins

Diameter	Material	Packing	Code
100 mm	ABS Plastic	1	HT1007

* Ideal for styrofoam stones

Purchase only in full packaging units.

Illustration shows modell RA, Polymer, color: white

ADAGIO^{PRO} FACE PLATES

Model RA, material: polymer

Diameter	Color	Packing	Code	kg
250 mm	white	6	678	0,92
250 mm	anthracite	6	682	0,92
250 mm	sand	6	683	0,92
176 mm	white	6	679	0,56
176 mm	anthracite	6	684	0,56
176 mm	sand	6	685	0,56

Color: anthracite, sand

Model RA, material: stainless steel AISI 316L

Diameter	Color	Packing	Code	kg
250 mm	polished silver	6	680	2,48
176 mm	polished silver	6	681	1,05

Illustration shows modell RD, Polymer, color: white

Model RD, material: polymer

Diameter	Color	Packing	Code	kg
250 mm	white	6	664	0,92
250 mm	anthracite	6	665	0,92
250 mm	sand	6	666	0,92
176 mm	white	6	667	0,56
176 mm	anthracite	6	668	0,56
176 mm	sand	6	669	0,56

NEW

Illustration shows modell Flat, Stainless steel, polished silver

Model FLAT, material: polymer, also available individually

Diameter	Material/Color	Packing	Code	kg
256,5 mm	white	6	695	1,5
168,5 mm	white	6	696	1,5
128 mm	white	6	686	0,40

Model FLAT, material: stainless steel AISI 316L

Diameter	Color	Packing	Code	kg
280 mm	polished silver	6	687	2,48
185 mm	polished silver	6	688	1,05
128 mm	polished silver	6	689	0,70

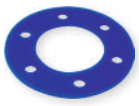
NEW

Spare parts ADAGIO^{PRO}

ADAGIO^{PRO} connection kit

Consisting of: 1½" sleeve, pinch seal and contact plug

Article	Packing	Code
ADAGIO^{PRO} connection kit 50-100 mm	1	675-E1
ADAGIO^{PRO} connection kit170 mm		675-E2



ADAGIO^{PRO} Flat gasket silicone

90 x 47 x 2 mm, blue, for flange / wall duct

Article	Packing	Code
ADAGIO^{PRO} Flat gasket silicone	1	670-E1

CONTROLS FOR ADAGIO PRO AND LED REPLACEMENT LAMP PLS56 AND PLW56-SERIES

Base station with signal receiver, 230V AC input, 2 outputs for pool cover, garden lighting, etc., incl. remote control black/blue for switching the lamps on and off and changing the color mode. protection: IP54, protection class II, permissible ambient air temperature: 0 to 40°C

RC-100

RCO-100

for	Packing	Dimensions	Trafo	Code
AdagioPro / PLS56-/PLW56-Series	1	150 x 157 x 51 mm	–	RCO-100
AdagioPro / PLS56-/PLW56-Series	1	195 x 194 x 90 mm	200 VA*	RC-100

* incl. 12 V output for LED headlights

As above, but as intelligent control for ADAGIO^{PRO} RGB with dimming function
(100 % - 75 % - 50 %) as well as other connections possible via DMX 512,
RS485, CAN BUS and SD card slot, incl. DIP-switch to select the Control function and remote control black/red

RC-150

RCO-150

for	Packing	Dimensions	Trafo	Code
AdagioPro / PLS56-/PLW56-Series	1	150 x 157 x 51 mm	–	RCO-150
AdagioPro / PLS56-/PLW56-Series	1	298 x 420 x 145 mm	300 VA*	RC-150

* incl. 12 V output for LED headlights

TRANSFORMERS

Compound-insulated transformers for pool lighting. Protection class II - IP 65.
Pursuant to EN 61558-2-6. Thermal protection: thermal fuse return 130 °C.

Performance	Packing	for 12 V bulbs	Code	kg
50 VA	1	1 x 50 W	458	1,0
100 VA	1	1 x 100 W	459	1,8
100 VA	1	2 x 50 W	455	2,7
150 VA	1	1 x 150 W	461	2,8
150 VA	1	2 x 75 W	465	2,8
300 VA	1	1 x 300 W	456	4,3
350 VA	1	2 x 175 W	462	4,4
600 VA	1	2 x 300 W	457	8,7
900 VA	1	3 x 300 W	463	13,0
1.050 VA	1	3 x 350 W	464	14,0

Transformer 600 VA

RADIO REMOTE CONTROL

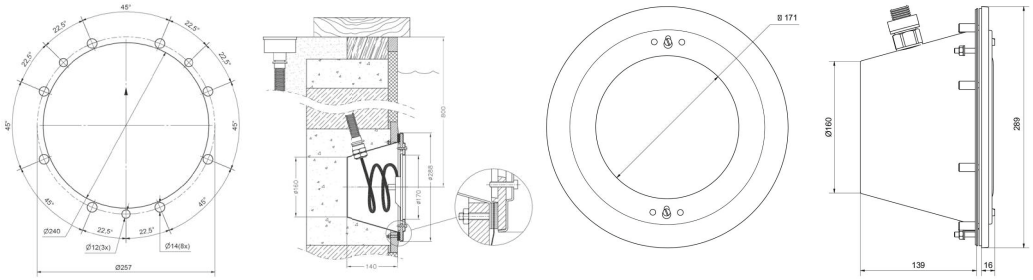
Article	Packing	Code
Wireless remote control with exchangeable keyboard (black/red and black/blue)	1	RCTX

Purchase only in full packaging units.

UNDERWATERWATER LIGHT COMPLETELY MADE OF STAINLESS STEEL (V4A / AISI 316)

The LED with aperture is only 16 mm away from the inside of the tank and is therefore very flat and shapely. Including cover ring and built-in pot, with seals and screws for liner/ prefabricated basins. Including fixation for LED. Supplied without connection cable and lamp. Please order cable protection tube 3/4" separately (# 441-3TM, see page 157). Matching LED: #PLW56 and PLS56 on page 150.

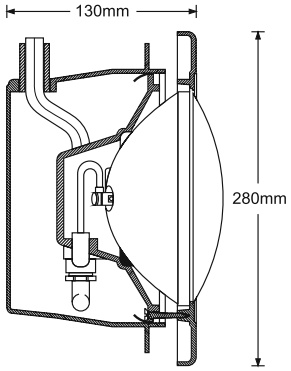
Article	Packing	Code
Liner pools	1	491-MP
Bolt set ready-made basin for # 491-MP	1	491-E1



UNDERWATER LIGHT COMPLETE STAINLESS STEEL (V4A/AISI 316)

All stainless steel V4A/AISI 316, complete with cover and built-in niche. Light 300W, PAR56 GE with 2.5 m cable 2x4mm². Conduit cable please order separately (# 441-3TM), also separately available. Only for concrete pools. Dimensions see below.

For pool type	Packing	Code	kg
Concrete pool	4	481-TM	2,7



Dimensions for products with item no.:

#441-TM
#442-TM
#483-TM
#493-TM
#481-TM

UNDERWATER LIGHT ABS, FACE RIM STAINLESS STEEL (V4A/AISI 316)

Classical design, complete with cover made of stainless steel (V4A/AISI 316) and niche ABS. Niche with either side or bottom output. Light 300W, PAR56 GE, with 2.5 m cable 2x4mm², also separately available. Conduit cable please order separately (# 441-3TM, see page 157). Dimensions see below

For pool type	Packing	Code	kg
Concrete pool	4	483-TM	2,5
Liner-/Prefabricated pools with flange	4	493-TM	3,0

UNDERWATER LIGHT ABS

Classical version, complete with cover and niche made of ABS, niche optional with side or bottom output. Light 300W, PAR56 GE with 2.5 m cable 2x4mm², also separately available. Please order cable protection tube ¾" separately (# 441-3TM, see page 157). Dimensions see above.

For pool type	Packing	Code	kg
Concrete pool	4	441-TM	3,18
Liner-/Prefabricated pools with flange	4	442-TM	3,13
Liner-/Prefabricated pools with flange, without bulb	4	442-TO	2,30

Spare part	Packing	Code
Face Rim for #441 and 442	1	442-E2
Niche w/o flange edge, incl. flange set for #442-TM / #442-TO	1	442-E5

MINI UNDERWATER LIGHT FOR SPA & POOL

Housing Ø10 cm in color white or chrome, cover ring incl. 2" external thread, incl. 3 m neopren cable HO/RNF 2x1 mm. Available in 2 types: Halogen bulb 35 W/12 V or 5 LED x 5 W/12 V.

HALOGEN - ONLY FOR UNDERWATER

Bulbs	Packing	Code	kg
White	12	447	0,7
White with cover ring (Chrome)	12	447-1	0,7

LED - FOR OVER & UNDERWATER

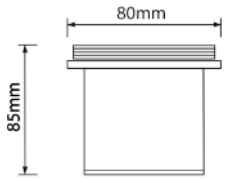
Bulbs	Packing	Code	kg
White	12	447-LW	0,8
Red	12	447-LR	0,8
Yellow	12	447-LY	0,8
Green	12	447-LG	0,8
Blue	12	447-LB	0,8

LED - FOR OVER & UNDERWATER

5 LED a´ 5 W and 360 Lumens

Bulbs – with cover ring (Chrome)	Packing	Code	kg
White	12	446-LW	0,8
Red	12	446-LR	0,8
Yellow	12	446-LY	0,8
Green	12	446-LG	0,8
Blue	12	446-LB	0,8

Purchase only in full packaging units.



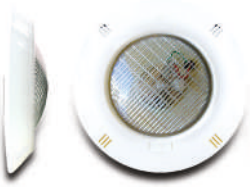
LED UNDERWATER LIGHT MIDA.SPA

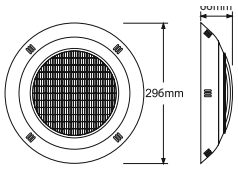
STAINLESS STEEL (V4A/AISI 316)

Incl. 2" threaded connection and mounting for illumination outside of the pool.
Cable 1,5 m, 12–24 VAC.

Color	Watt	Lumen	Packing	Code	kg
White	3	400 Lm	1	448-LW	0,846
Red	3	195 Lm	1	448-LR	0,846
Green	3	360 Lm	1	448-LG	0,846
Blue	3	105 Lm	1	448-LB	0,846
RGB	6	440 Lm	1	448-RGB	0,842

Description	Code	kg
RGB power supply with remote control up to 30 RGB spot lights	448-RC	0,276

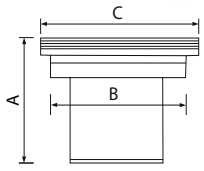




UNDERWATER LIGHT EXTRA FLAT

ABS, **for concrete and liner pools,** no niche required! ABS, cover glass made of unbreakable polycarbonate. Halogen lights are equiped with 4 colored lenses in colors red, green, blue or yellow. LED lights have an integrated RGB-color changing program. Protection class IP 65, incl. 3,4 m cable 2 x 1,5 mm². Wall connection kit for easy installation, without remote control. Diameter: 296 mm, Depth: 66 mm.

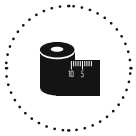
For pool type	Packing	Bulbs	Code	kg
Concrete pool	4	Halogen 100 W/12V	HT1000	1,2
Concrete pool RGB	4	100 LED's 50 W/12V	HT1001	1,3
Liner pool	4	Halogen 100 W/12V	HF1000	2,0
Liner pool RGB	4	100 LED's 50 W/12V	HF1001	1,4



UNDERWATER LIGHT HALOGEN WITH NICHE

Small compact underwater light, **for concrete and liner pools,** complete ABS with niche. For **liner-/prefabricated** pools, with flange, sealing and stainless steel screws. Halogen bulb 50 W/12 V, incl. 2,5 m cable 2 x 1,5 mm².

For pool type	Packing	Code	kg
Concrete pool	4	17885	1,3
Liner-/Prefabricated pool	4	17886	1,3



Art. / Code	A (mm)	B (mm)	C (mm)
# 17885	123,00	163,20	147,00
# 17886	127,30	147,00	163,20

CABLE CONDUIT

Suitable for all PAR 56 underwater lights, connection ¾" AG, Length 1 m, color: white

Article	Packing	Code	kg
Cable conduit, 1 m, color: white	50	441-3TM	0,22

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, free when buying 2 or more lamps

Article	Packing	Code	kg
Tool set for ADAGIO Pro	1	691	0,3

CABLE H07RN-F FOR UNDERWATER LIGHTS

Rubber connection cable, flexible, 450/750 V, temperature range: -7 - +60 ° C, oil-resistant, flame-retardant, UV-resistant, 1000 VAC protected, can be used for short-circuit and earth-proof installations in accordance with IEC 60364-5-52 / HD 60364- 5-52 / VDE 0100 Part 520. In accordance with EN 50565-2, compliant with EU Directive 2014/35 / EC (Low Voltage Directive), with <HAR> harmonization label, 50 m castors, color: black

Article	Outside Ø	Packing	Code
Cable 2 x 2,5 mm²	10,2 - 11,7 mm	1	639
Cable 2 x 4,0 mm²	11,8 - 13,4 mm	1	638
Cable 3 x 6,0 mm²	14,1 - 15,9 mm	1	637

Deck box (ABS)

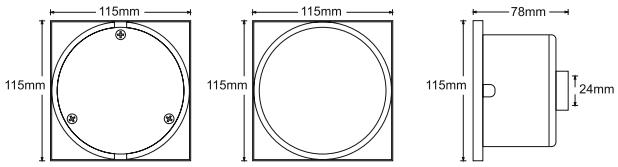
DECK BOX

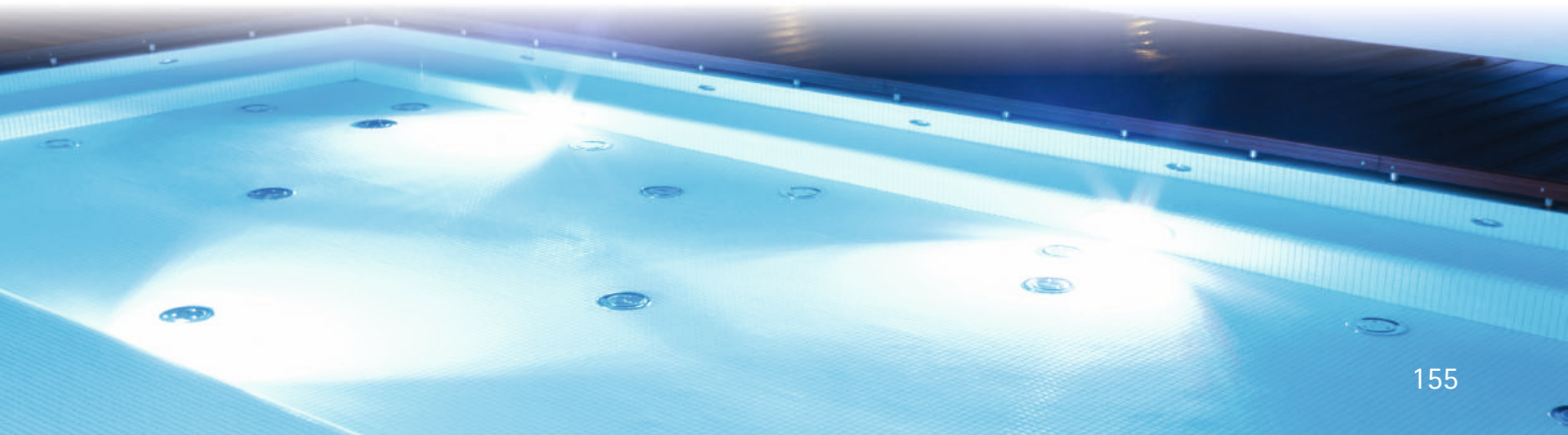
Available in 3 types:

- ABS, cable conduit 2 x ¾"
- stainless steel V2A/AISI 304, round, d: 12 cm, cable conduit 2 x ¾"
- stainless steel V2A/AISI 304, quadrate, dimensioning: 12,4 x 12,4 cm, cable conduit 2 x ¾"

Deck box (stainless steel round)

DIMENSIONING DECK BOX (ABS)



Type	Packing	Code	kg
ABS	12	417-TN	0,3
Stainless steel (round)	32	07.05	0,5
Stainless steel (quadrate)	32	07.06	0,6

Deck box (stainless steel quadrate)