



IDEAL FOUNTAINS TM

Shaping Of Water TM

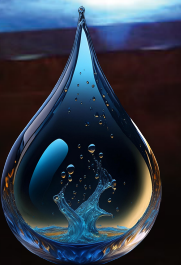
1-833-433-2569



ABOUT OUR COMPANY

About Us, Our Vision, and Values

At Ideal Fountains, we don't just build fountains—we create experiences. Through innovative design, cutting-edge technology, and expert craftsmanship, we help architects, designers, and property owners bring their visions to life. Whether it's a grand architectural fountain, an interactive water feature, or a choreographed showpiece, we provide the expertise and products needed to deliver unforgettable aquatic displays.

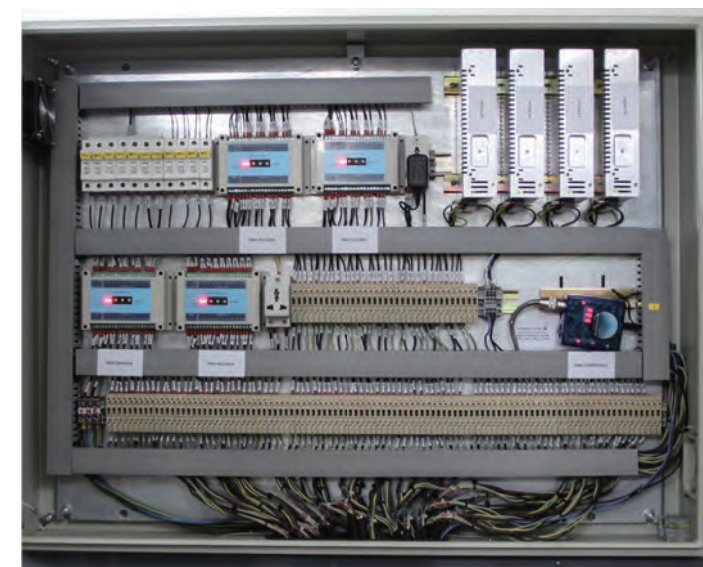


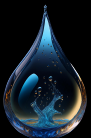


BUGIS JUNCTION

With the inclusion of the DMX system to the control of the 24 aerated jets and 12 jumping jets, it offers unlimited water displays in an otherwise plain and simple fountain - perfectly suited for compact public urban spaces.

Its jets and lights operate in perfect synchronization to form a highly entertaining show. The lack of a physical barrier between the spectator and the fountain allows visitors to interact freely, much to the great delight of children. Since its complete revamp in 2011, the Bugis Junction Plaza Fountain is now an attraction in its own right.



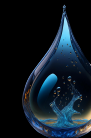
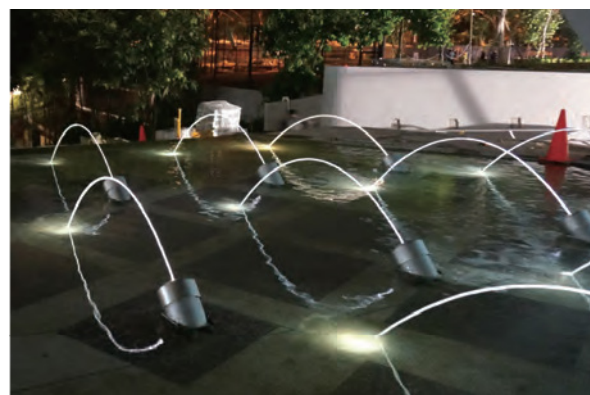


JUMPING JETS AT D'LEEDON RESIDENCE,

A luxurious landmark designed by world-renowned architect Zaha Hadid, the sinuous and organic curves of the waterscapes seamlessly complement its unique building structures.

The fluidity of the waterscapes is further accentuated by elegantly poised water movements.

These 27 jumping jets are illuminated from within, and wistfully leap in perfect harmony with the help of a DMX controller.

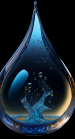
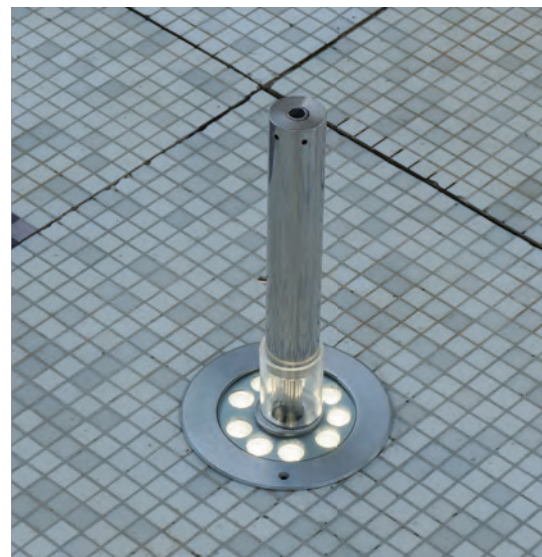


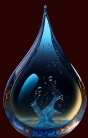
SHOOTER JETS AT D'LEEDON RESIDENCE,

Another luxurious landmark, the sinuous and organic curves of the waterscapes seamlessly complement its unique building structures.

The fluidity of the waterscapes is further accentuated by elegantly poised water movements.

The staggered array of water jets, with all 102 of them mounted on waterswitches, is a classy and elegant harmony of water and light effects synced to a melodious rhythm.



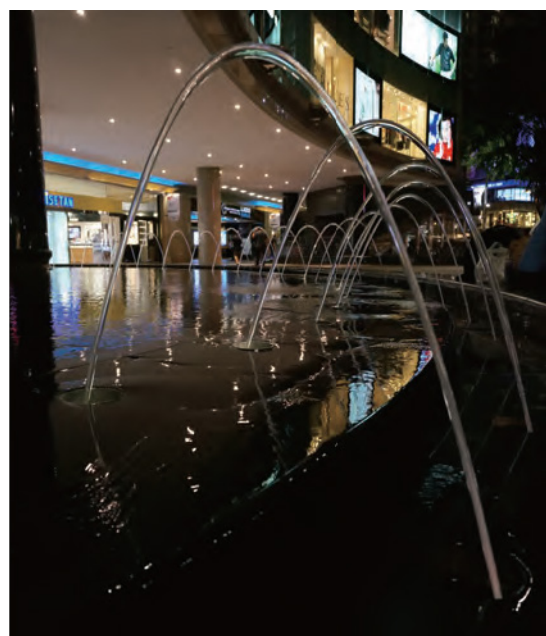
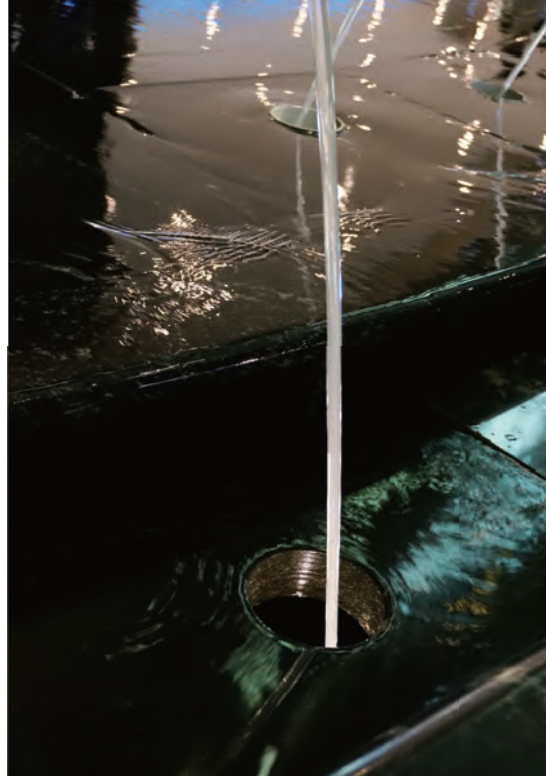


SHAW HOUSE, ORCHARD ROAD,

One of the largest shopping malls along Singapore's main shopping belt Orchard Road, Shaw House is a favorite for shopaholics from all over the world.

Shoppers may also soothe their tired legs in the accompaniment of the graceful water arches.

There are jumping jets aligned along both sides of the entrance, welcoming shoppers to the mall with its elegance.



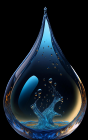
THE METROPOLIS

The Metropolis is an iconic integrated development with impressive waterscapes.

The chic linear array of LED foam effect jets leads the way to the drop-off point, akin to a red carpet welcome for all important business visitors.

The bubble fountains at the driveway and entrance are in the midst of lush greenery, delighting visitors with its tranquility.

Columns of aerated jets provide the water pool with a consistently undulating water surface in the midst of lush greenery, enhancing the overall landscape design.

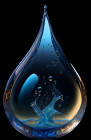




INTERACTIVE SPLASHPAD

In the successive lineup of 50 comet nozzles, all fixed on WaterSwitch with complementing lighting, this simple formation further visually emphasizes the spontaneous and charismatic movement of the water.

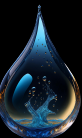
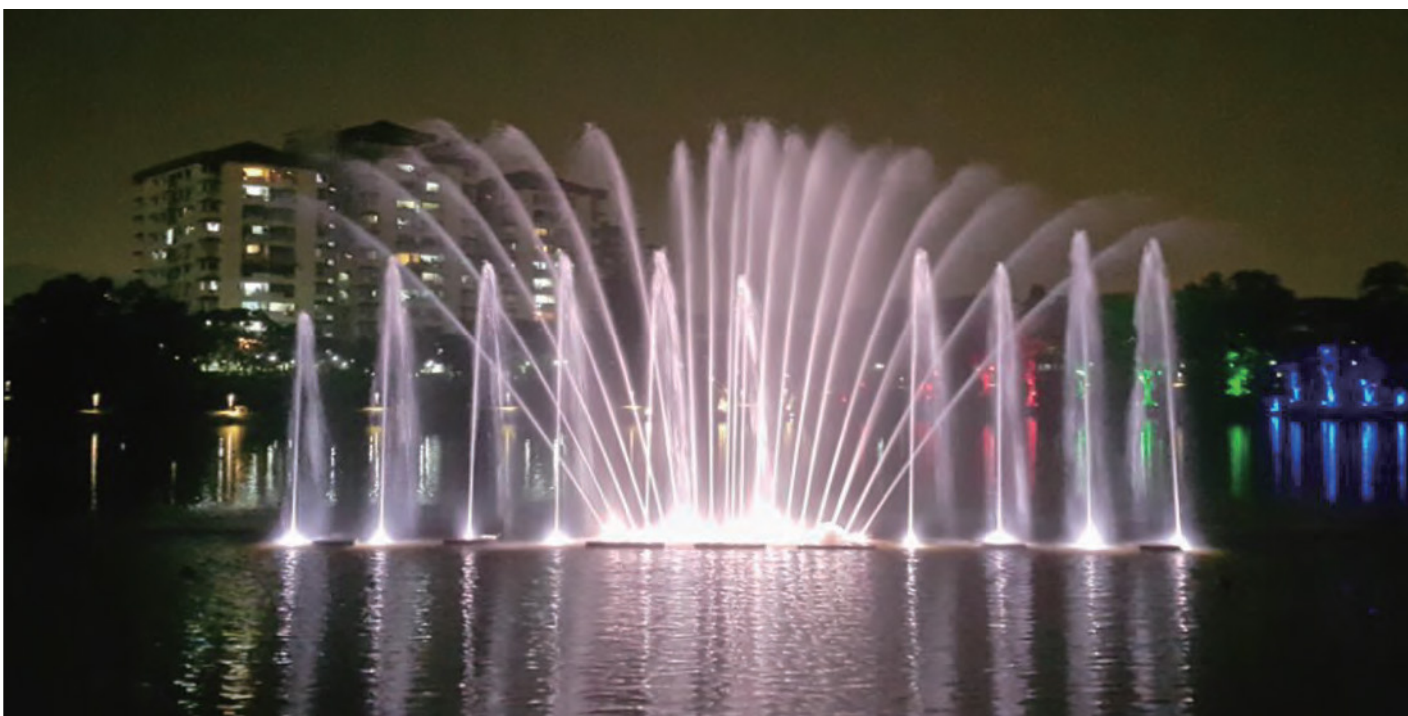
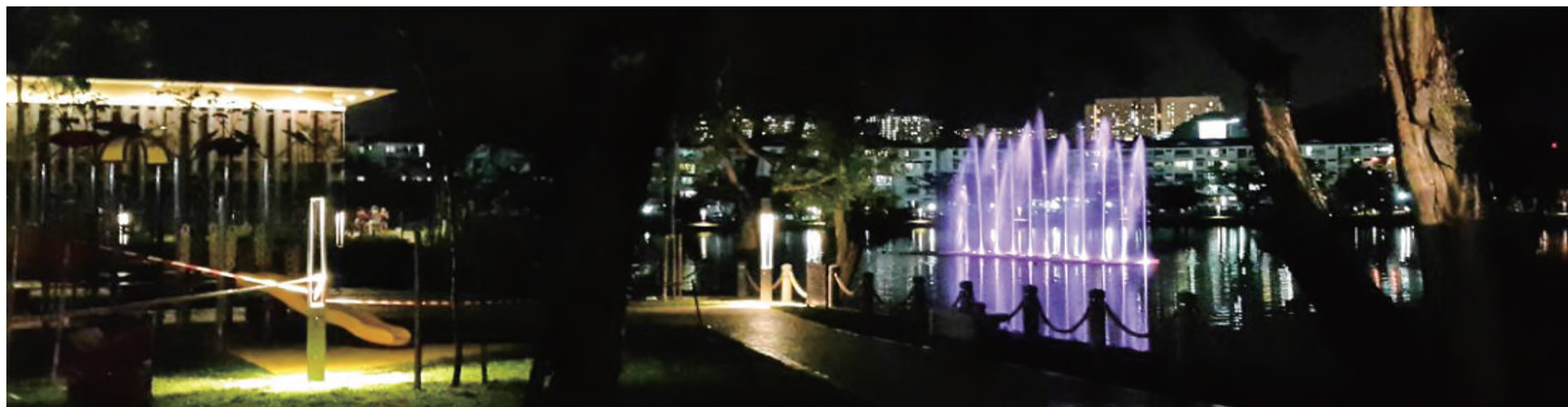
Fully DMX programmed and choreographed, the water constantly flits along with the changing lighting colours to form a stunning waterscape display.

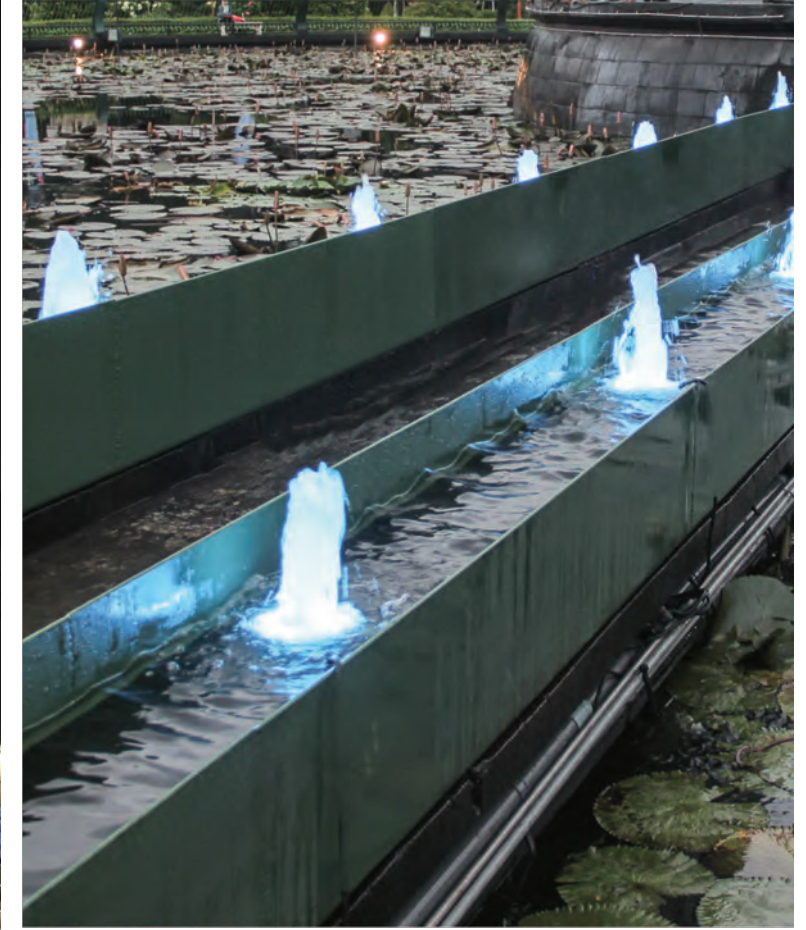


LAKE FOUNTAIN

To bring out the night scenery of a lake, a prominent floating fountain will surely be the focal point for visitors.

With all 11 comet nozzles, all fixed on waterswitches accentuated by colour rich illumination and programmed with DMX, this mesmerising routine is guaranteed to dazzle its audience.

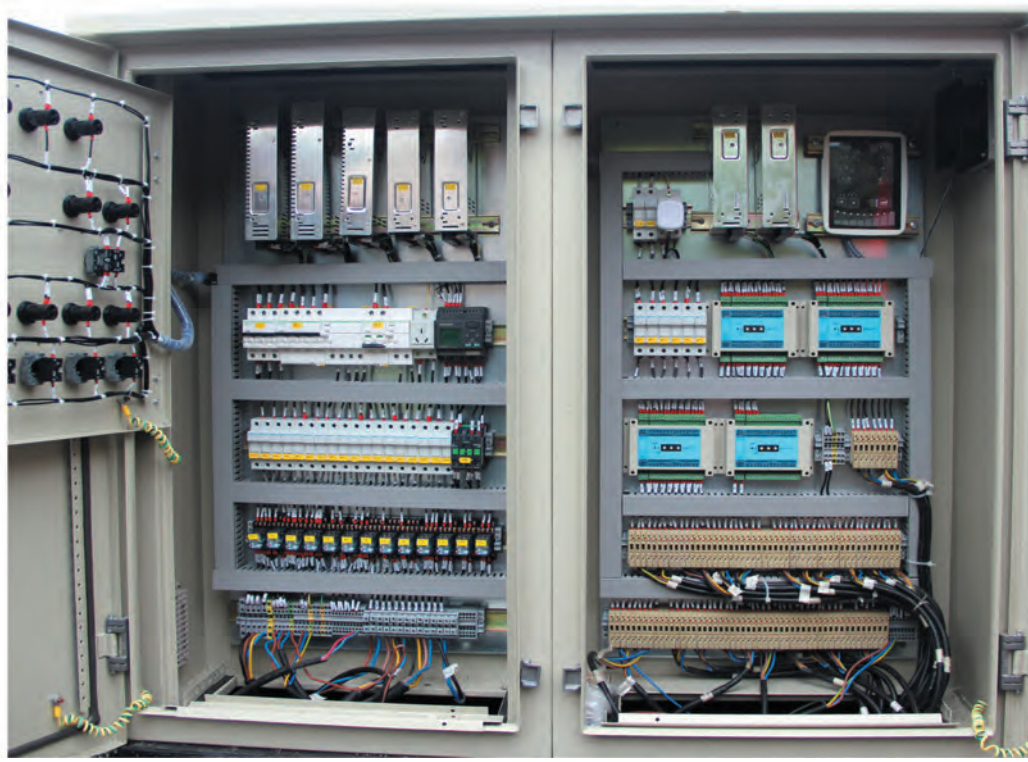
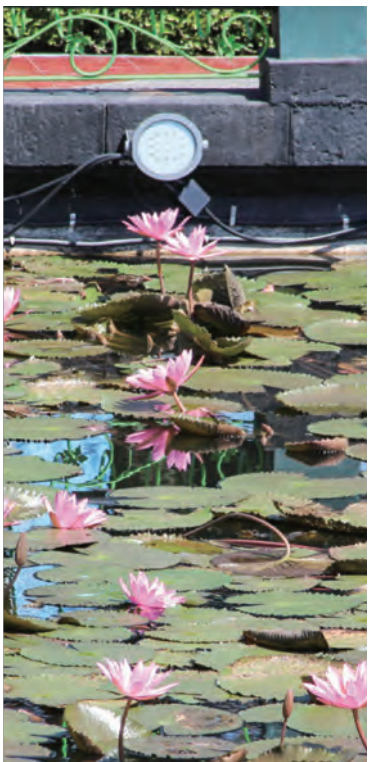
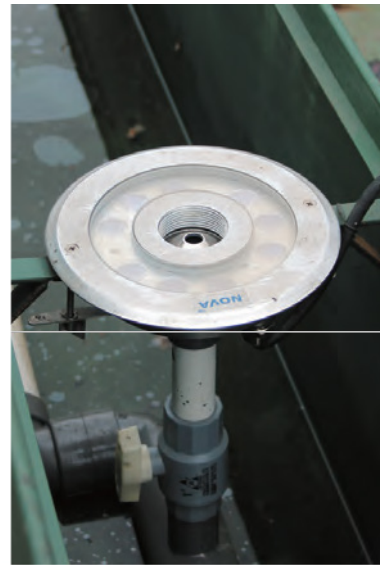




TM Project

Visiting the monument at night is an entirely different sensory experience from daytime.

Visitors walking along an isle of colorful lighting in the middle of the lotus pond will find themselves up close with random bursts of fog - the exotic atmosphere just keeps building up as you approach the historic landmark.





KTHP

Bridge Kenjeran is glamorized by the adjacent dancing musical fountain, jazzing to the grooves of 'Surabaya oh Surabaya'.

The lavishly-programmed parade of water and light effects will wow any visitor at this attraction. Do not be fooled by its seemingly simple linear layout - with just 64 comet nozzles mounted on WaterSwitches, the assortment of effects are countless.

Specially designed with sophistication, precision and experience, some effects are exclusive to this fountain and such excellence can only be delivered by truly capable specialists in the industry.



BALAI KOTA AMONG TANI KOTA BATU, INDONESIA

Among Tani Kota Batu was given a facelift, turning it into a spectacular town centre and enhancing its position as a tourist destination, even attractive to domestic tourists.

With the magnificent building as a backdrop, the facade is especially lively at night with the historical music fountain show.

Made up with just 30 comet jets and LED ring lights attached on waterswitches and fully controlled by DMX, visitors will be impressed with the vibrancy of the glorious facade, and a scent of the building's colorful past.

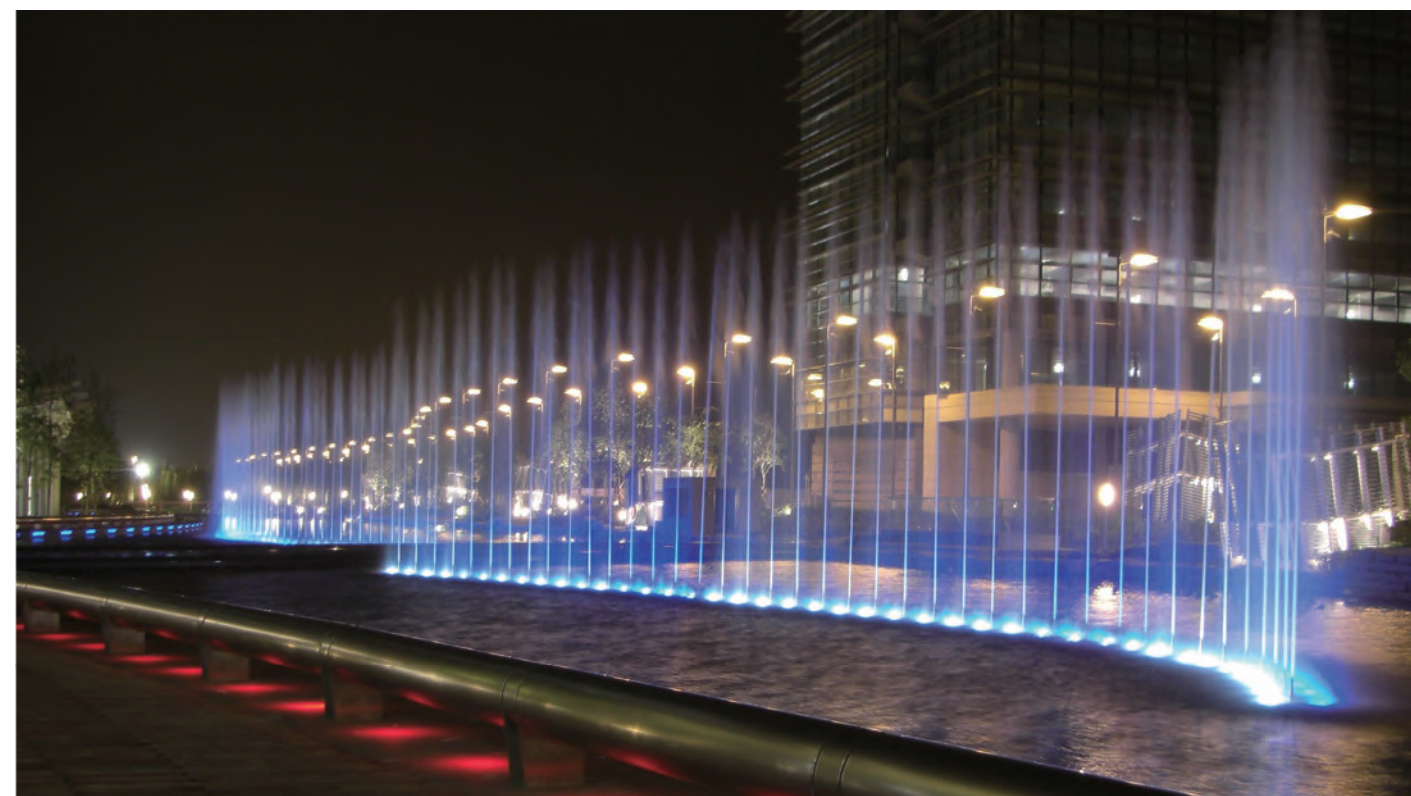


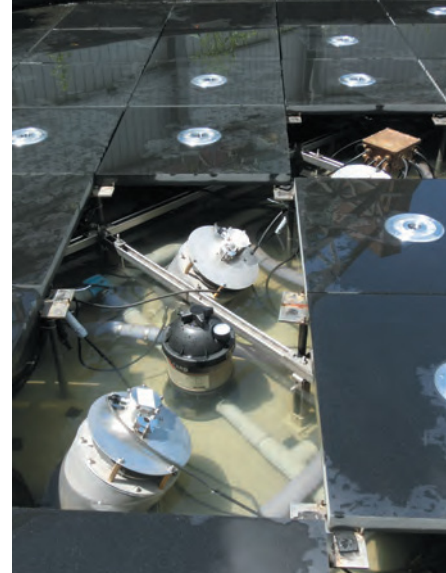
SCI PARK

80 shooter jets with a blue and a white lights each, 10 pumps are equally divided into northern and southern parts.

Company with the splendid music, two lines of water columns rise and dance follow the rhythm in its show time.

An integrated DMX system manages all fountain equipment from Ideal Fountains.



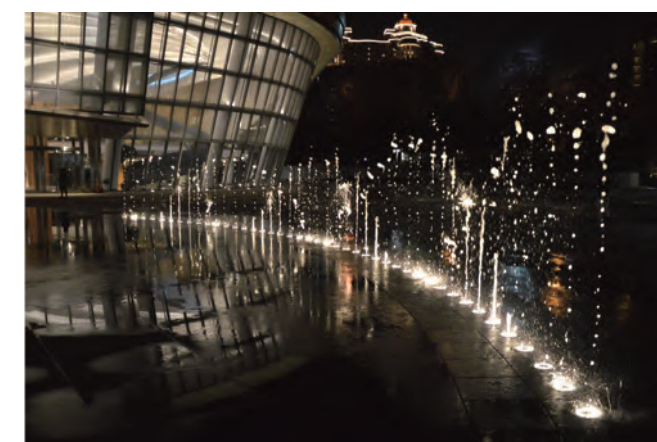
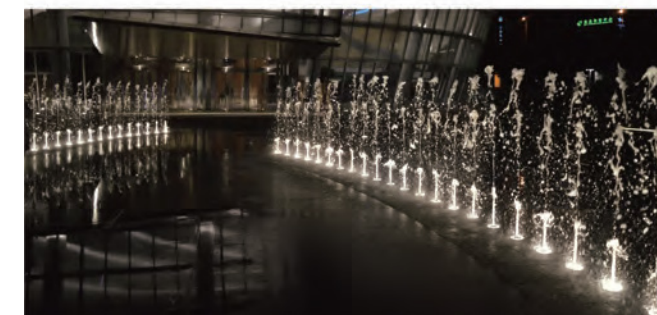
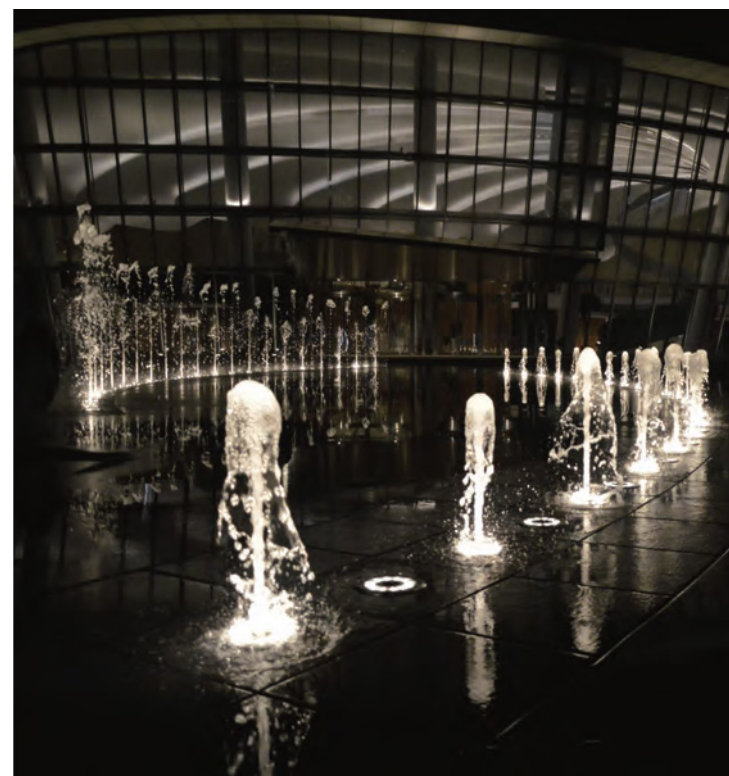


VICTORIA PEAK

The project at Victoria Peak is again a refurbishment of an old fountain. Its original pneumatic pop jets are replaced with 44 brand-new pop jets (WaterSwitch and LED ring light), with spray heights varying from 0 to 2.2m. The 8 jumping jets which criss-cross the complex add a graceful dimension to the overall waterscape.

WaterSwitches are selected for this project to improve the uniformity of the water heights and the switching speed of the water jets. With the upgrade of DMX controllers, the system synchronisation performance has been further enhanced.



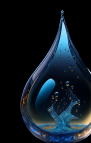
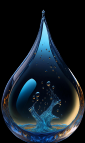


INTERNATIONAL DANCE CENTER,

At the Shanghai International Dance Center, it seems only befitting that the water fountain design concept is synonymous with the graceful notion of dancing. With this fundamental concept in mind, the final design of the waterscape comprised two rows of water jets lined in a diametrical assembly to complement the elegant arches of the architectural landscape.

At night, water and light effects are controlled by the DMX system, synced to a melodious rhythmic water display. Its elegance is further accentuated by the warm white illumination of the water.

86 shooter jets are used Foam nozzle with WaterSwitch and LED ring light, and with the VFD, the jets are capable of spraying up to a height of 3 meters. It is integrated with the latest Ideal control panel, and a user-friendly system interface, allowing users to easily operate the system.



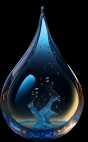
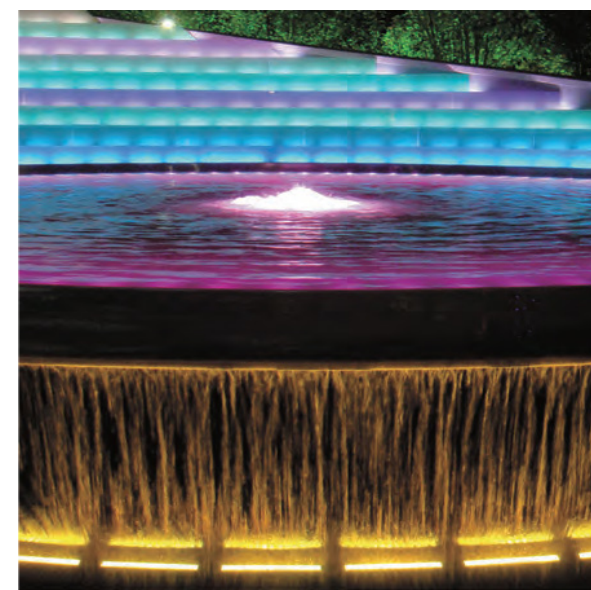
SUBWAY PLAZA

The ancient Jing'an temple is famous with its eight sights. The spring so called "The Sixth Spring Under Heaven" is one of them. Time had caused the old spring to disintegrate into shattered memories.

In 2009, GCS has refurbished the fountain with more technology in original site.

Nowadays the new image of the fountain is a lilied jade ring.

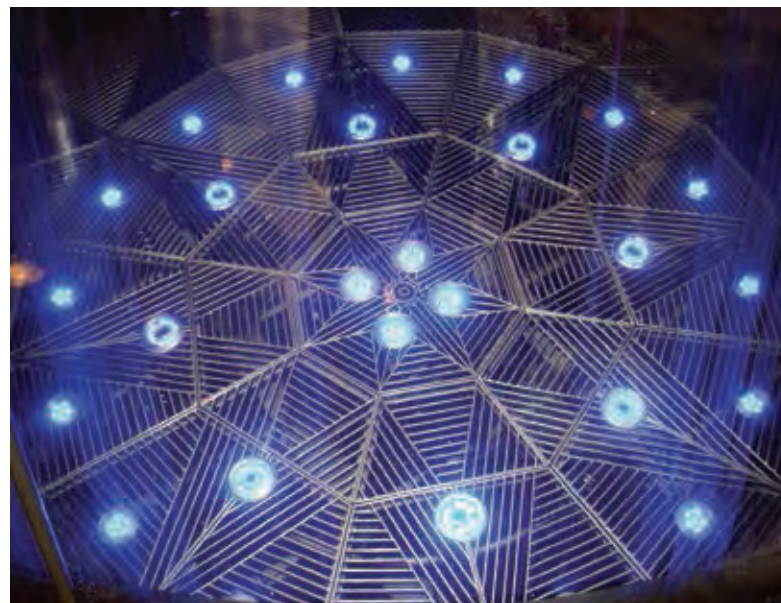
With 169 LED bright spots around the ineredge, a spring of water is welling up to eternal life.





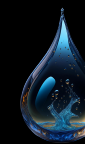
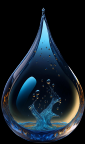
CULTURE SQUARE

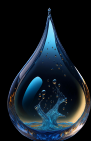
A water feature complex contained splash fountain, shooter jets, bubble jets, water eyes and waterfall. 127 true color underwater LED lights of different groups add great details and layers to the whole image. Shutting the splash fountain, a patch is then appeared which can be used for carpet show.



ODEUM

A huge funneled roofing grid structure dives into the ground, foaming an 18m deep rainwater shaft, thus a unique water feature is then naturally composited from the lobby of the odeum, a 12m height main jet inside the funnel bursts out from beneath, dancing with a group of 8 foam jets and 16 parabolic jets that break through the flickering colorful mist.





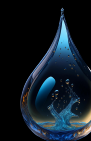
THE PENINSULA

The Peninsula has its reason to be the world top level hotel.

A beautiful Spanish style sculpture is installed in front of the hotel's main entrance, the classical look allows the hotel to be immersed in an European palace atmosphere.

GCS designs the water to fall from the head of sculpture slowly, which brings not only dynamic feeling, but also the musical sound.

At two sides of the hotel's porch, two symmetrical frothy fountains installed by GCS effectively brings fullness of life.

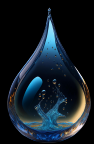
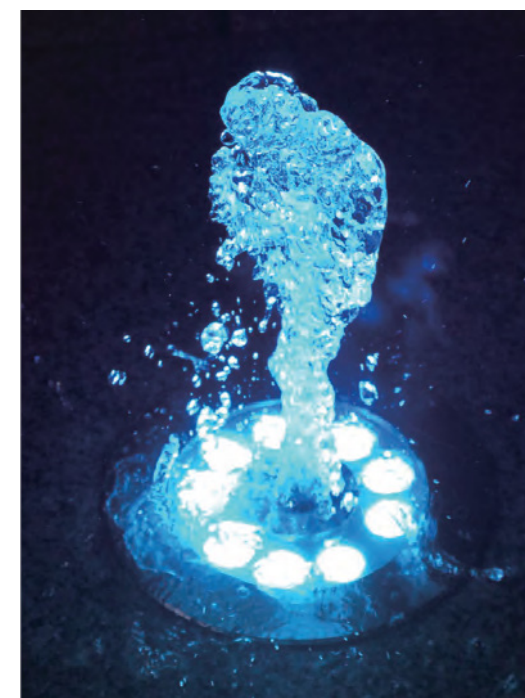


SHOOTER JETS AT SUBWAY PLAZA,

The design of this fountain aims to create the pleasant visual effect of the combination of water and those underwater LED lights, which can have different color. The overall performance that given by the fountain and lights would impress every passing by spectator, particularly in the evening.

There are 31 shooter jets which composed of a (ZL25-12) comet nozzle with a (WS2520) WaterSwitch, a (HX170R-18T) LED ring light each. The spray height changes between o~ 1.5m by the VFD controlled pumping.

The individual DMX signal makes sure that each light can present its best illumination effects that we all will enjoy seeing.





NINE TREES FUTURE ART CENTER

The Nine Tree Future Art Center features the combination of concepts of forest, architecture, nature, civic center, water, humanity and art. The design of its fountain is built upon the theme of "Nine Tree Future Art Center", which artistically integrates the element of water and gives vitality to the project.

Not only does the fountain embrace the surrounding environment seamlessly, but add unique beautiful effect as well. By using different varieties of fountain equipments, the fountain produces superb effects of combination of lights and dynamic watery scene. The beautiful watery scene along with colorful light renders grandeur that attract numerous spectators.

There are 18 Air Blast units (AB30) that are being built on both sides of the bridge, 9 units on each side. The in between distance for each unit is 4.2 meters, with 20 meters max spraying height. Air Blast nozzles equips with 3 underwater spot lights with warm white (HX150T-36). In addition, 126 shooting units (waterswitch+comet nozzle+underwater ring lights) are also being installed on both sides of the bridge. Each side has 63 nos. By using inverter to control the pump, the fountain can achieve the effect of producing continuing changes of different shooting heights.

The lights are controlled by NOVA's DMX/RDM system, which features the change of white light and full color range. RDM System can also change DMX address from distance, as a result, the operating equipments can be monitored in real time and the running message can be read by RDM simultaneously.

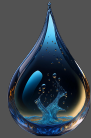




SPLASHPAD PLAZA

It has a rich and varied proposed public realm. The Water Feature is interactive Plaza Fountain. The design of this fountain aims to create the pleasant visual effect of the combination of changing the height of the water and underwater LED lights, which can have different color. There are 36 shooter jets which composed of a (ZL40-13) comet nozzle with a (VP80) controllable pump, a (HX182R-24QD) DMX/RDM LED ring light each. The spray height changes between 0 ~ 1.2m.





WaterSwitch



The WaterSwitch is a special shifter which can produce dynamic spray variation by changing the direction of flow.

MATERIAL

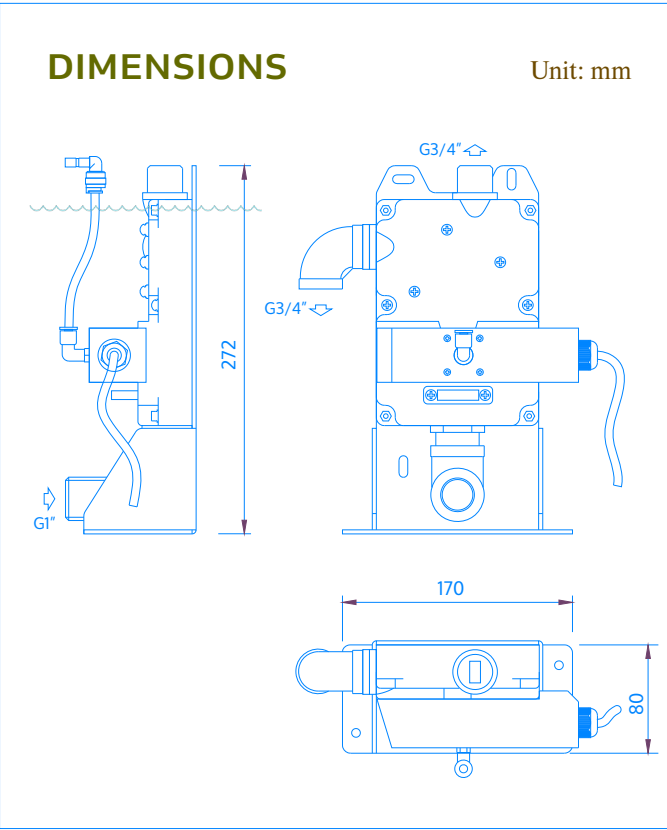
- Body – ABS
- Mount – Stainless Steel 316

SPECIFICATIONS

- One G1” inlet, two G 3/4” outlets
- 24V DC
- Switching speed 1/12 sec.
- Can be mounted on ground or suspended on horizontal or vertical bracket
- 1.5m cable SJTOW 18AWG
- Power consumption 10W
- Weight 2.9kg
- Protection Degree: IP68

APPLICATION

The WaterSwitch can be connected to various nozzles such as Comet, Foam, Fan, Finger nozzle.



PERFORMANCE

WaterSwitch+Finger Nozzle

Nozzle	FR25	
Ht.	P	Q
0.5	0.24	2.70
1.0	1.60	1.55
1.5	1.50	1.50
2.0	0.35	
2.5		
3.0		



WaterSwitch+Comet Nozzle

Nozzle	ZL25-12		ZL40-13		ZL40-16	
Ht.	P	Q	P	Q	P	Q
1.0	0.5	25	0.5	33	1.0	44
1.5	0.6	34	0.8	40	1.5	52
2.0	0.8	37	1.1	47	2.0	60
3.0	1.2	47	1.7	60	3.0	78
4.0	1.8	58	2.2	70		
5.0	2.4	68	2.8	80		
6.0	3.0	75				

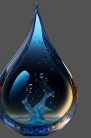


WaterSwitch+Foam Nozzle

Nozzle	PM15		PM20		PM25	
Ht.	P	Q	P	Q	P	Q
0.5	0.3	21	0.4	26	1.0	42
1.0	0.6	33	0.7	37	2.0	60
1.5	0.9	40	1.0	44	2.6	70
2.0	1.2	46	1.4	50		
2.5	1.4	52	1.7	55		
3.0	1.8	59	2.1	63		
3.5	2.2	65	3.0	78		
4.0	2.5	70				
5.0	3.0	78				



- ◆ Ht. = Spray height (m)
- ◆ P = Pressure demand (bar)
- ◆ Q = Flow rate (lpm)



WaterSwitch



The WaterSwitch is a special shifter which can produce dynamic spray variation by changing the direction of flow.

MATERIAL

- Body – ABS
- Mount – Stainless Steel 316

SPECIFICATIONS

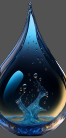
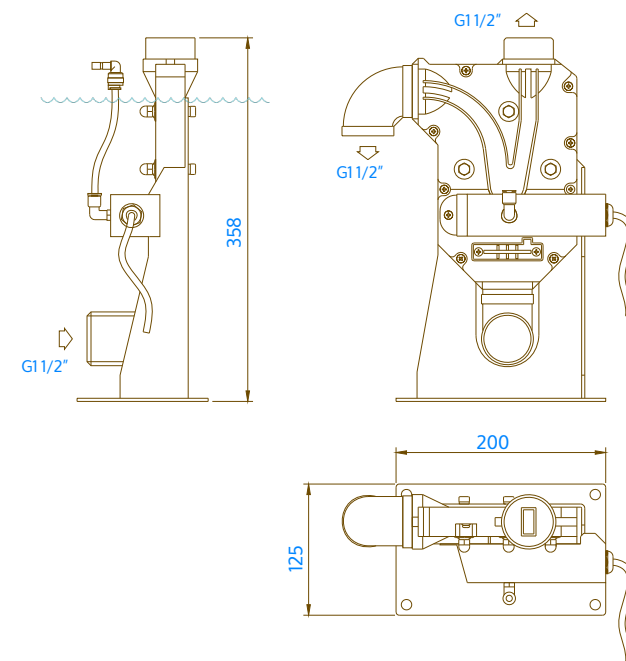
- One G1 1/2" inlet, two G1 1/2" outlets
- 24V DC
- Switching speed 1/12 sec.
- Can be mounted on ground
- 1.5m cable SJTOW 18AWG
- Power consumption 10W
- Weight 3.8kg
- Protection Degree: IP68

APPLICATION

The WaterSwitch can be connected to various nozzles such as Comet, Foam, Fan, Finger, Annular nozzle.

DIMENSIONS

Unit: mm



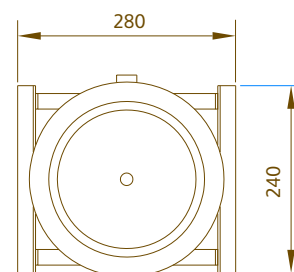
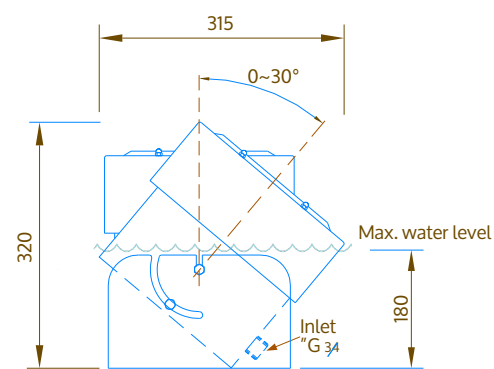
Jumping Jet

J20-12



DIMENSIONS

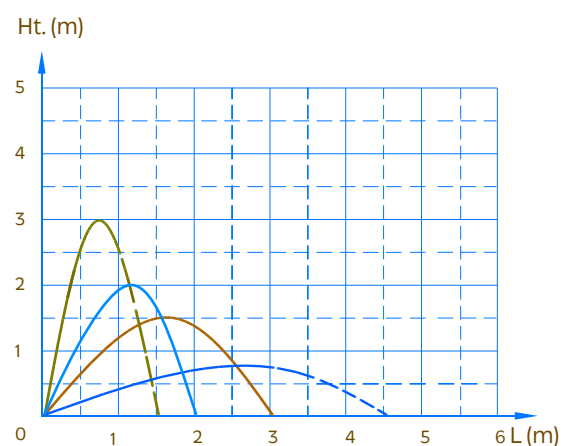
Unit: mm



CHARACTERISTICS

- Effect: laminar water
- Function: cut off
- Orifice: 12mm
- Vertical pivoting range: 0 ~ 30 °
- Max. pressure: 0.5bar
- Max. flow rate: 50l/min ◆ Max. water depth: 180mm
- Rated voltage of LED light: 24V DC
- Rated power of LED light: 6W
- Light type: LED RGB / RGBW / white light ◆
- Power cable for LED light: 3 VDE H05RN-F 2×1.0+3×0.5mm²
- Protection Degree of LED light: IP68
- Rated voltage of stepper motor: 24V DC
- Current of stepper motor: 2.1A
- Power cable for stepper motor: 3 STW 18AWG 4*C / VDE H05RN-F 4x1mm²
- Material: stainless steel 304
- Weight: 20kg

POSSIBLE WATER PARABOLA



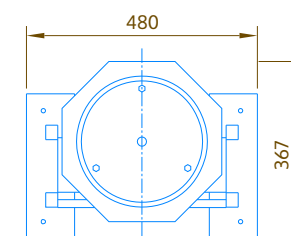
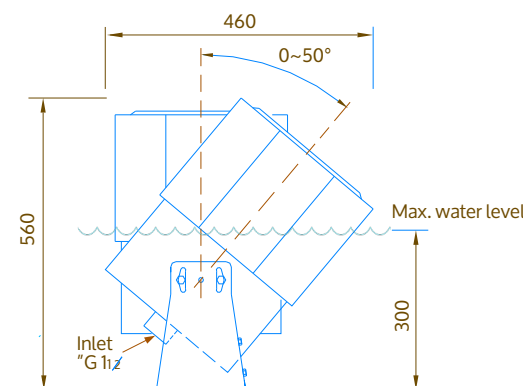
Jumping Jet

J40-16



DIMENSIONS

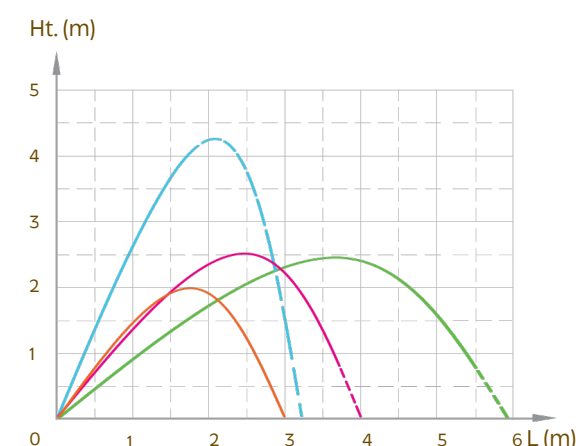
Unit: mm



CHARACTERISTICS

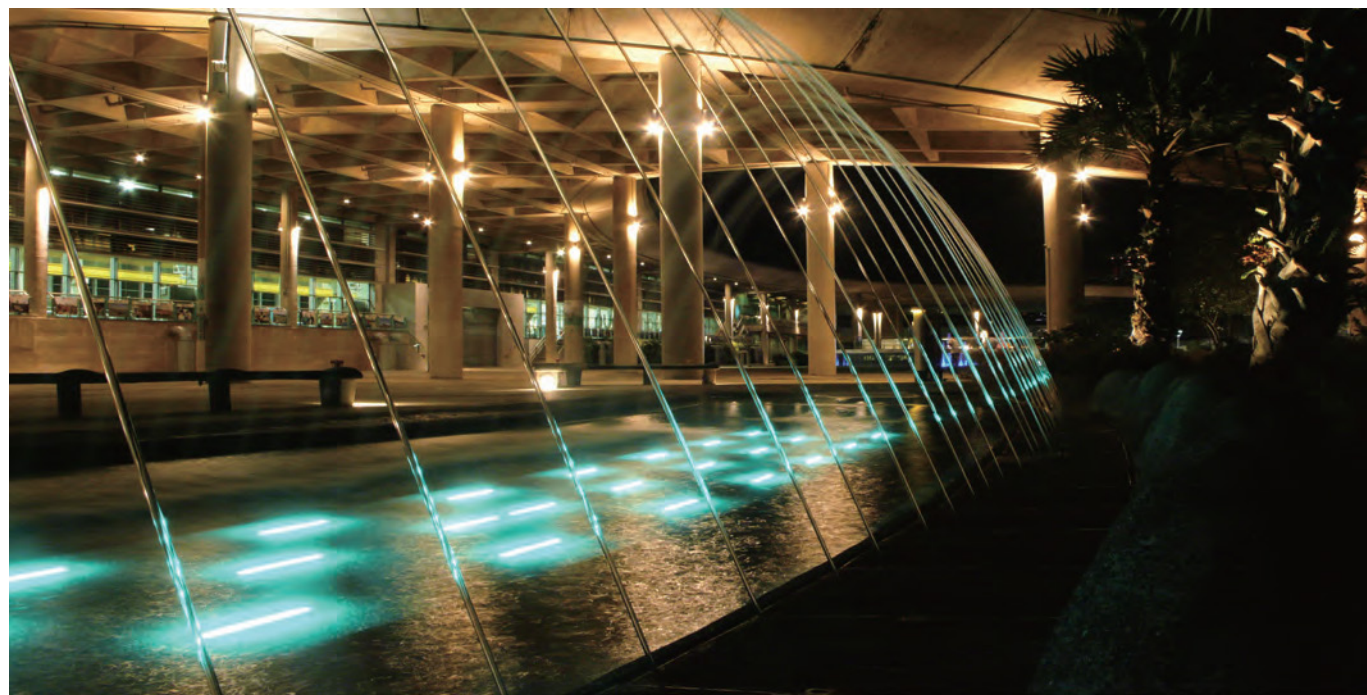
- Effect: laminar water
- Function: cut off
- Orifice: 16mm
- Vertical pivoting range: 0 ~ 50 °
- Max. pressure: 0.7bar
- Max. flow rate: 84l/min
- Max. water depth: 300mm
- Rated voltage of stepper motor: 24V DC
- Current of stepper motor: 2.4A
- Rated voltage of LED light: 24V DC
- Rated power of LED light: 6W
- Light type: LED RGB / RGBW / white light
- Power cable for LED light: 3 VDE H05RN-F 2×1.0+3×0.5mm²
- Protection Degree of LED light: IP68
- Power cable for stepper motor: 3m STW 18AWG 4*C / VDE H05RN-F 4x1mm²
- Material: stainless steel 304
- Weight: 38kg

POSSIBLE WATER PARABOLA



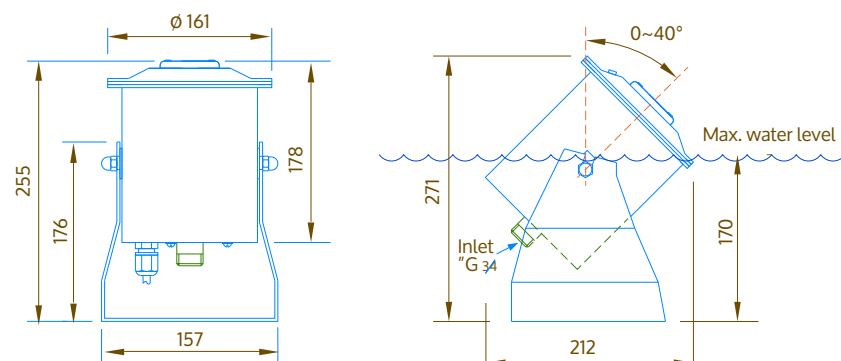
Laminar Jet

L20-8



DIMENSIONS

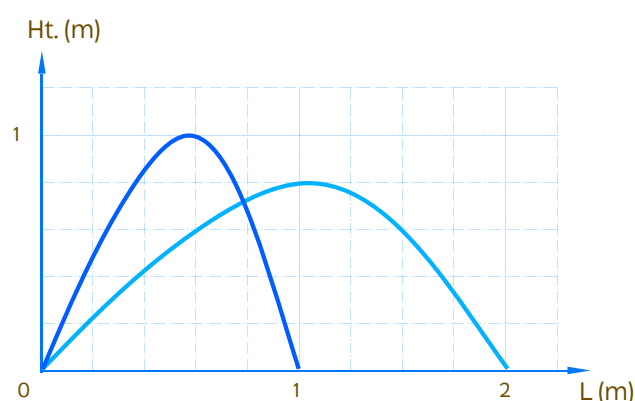
Unit: mm



CHARACTERISTICS

- Effect: laminar water
- Orifice: 8mm
- Vertical pivoting range: 0 ~ 40 °
- Max. pressure: 0.3bar
- Max. flow rate: 25l/min
- Max. water depth: 170mm
- Rated voltage of LED light: 24V DC
- Rated power of LED light: 3W
- Light type: LED RGB / RGBW / white light
- Power cable for LED light: 3m STW 18AWG
- Protection Degree of LED light: IP68
- Material: stainless steel 304
- Weight: 6.8kg

POSSIBLE WATER PARABOLA



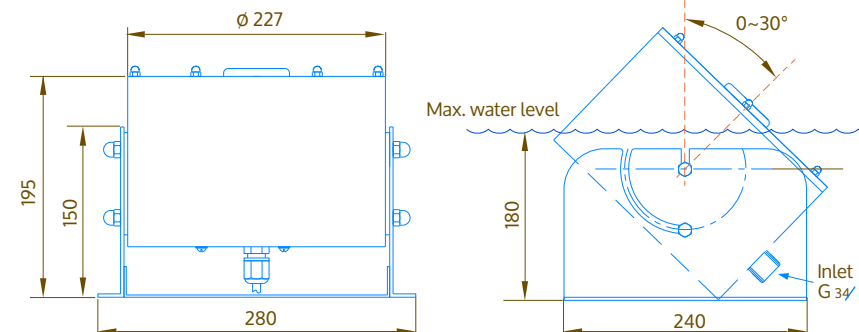
Laminar Jet

L20-12



DIMENSIONS

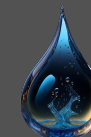
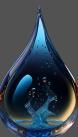
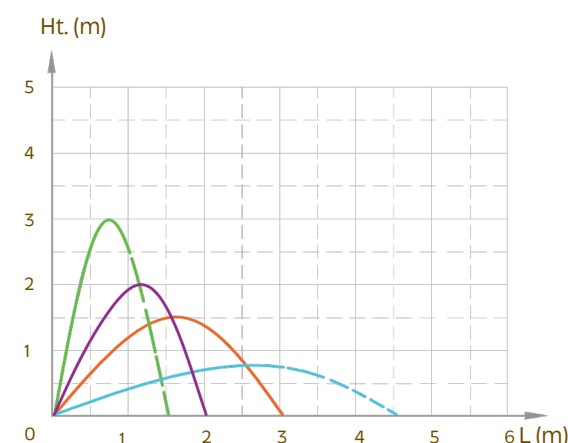
Unit: mm



CHARACTERISTICS

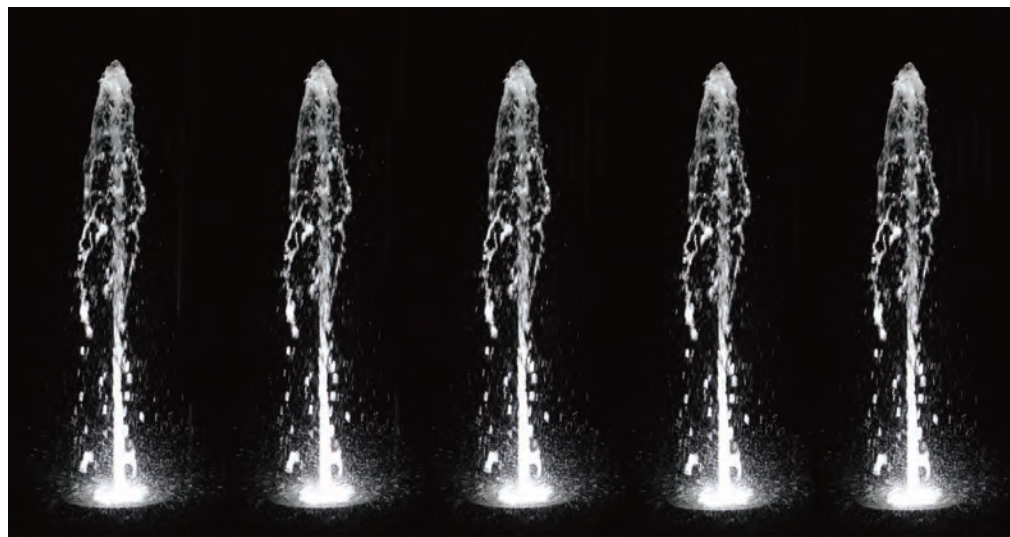
- Effect: laminar water
- Orifice: 12mm
- Vertical pivoting range: 0 ~ 30°
- Max. pressure: 0.5bar
- Max. flow rate: 50l/min
- Max. water depth: 180mm
- Rated voltage of LED light: 24V DC
- Rated power of LED light: 3W
- Light type: LED RGB / RGBW / white light
- Power cable for LED light: 3m STW 18AWG
- Protection Degree of LED light: IP68
- Material: stainless steel 304
- Weight: 17kg

POSSIBLE WATER PARABOLA



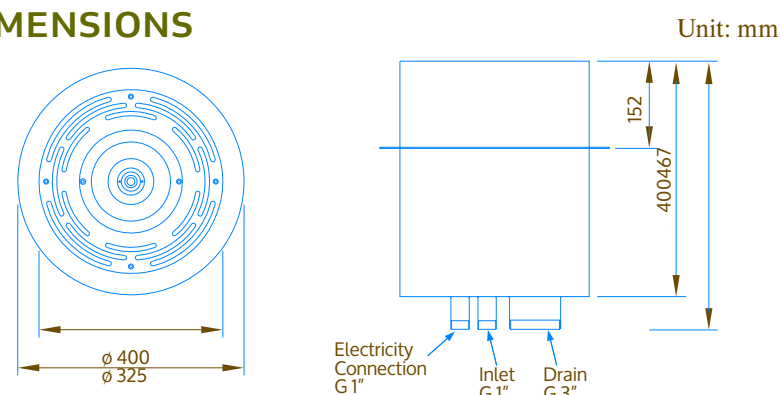
WaterSwitch In The Can

WSIC2520



The WSIC2520 is an exciting interactive unit. Flush-mounted nozzle means no tripping hazards on WSIC2520 for interactive play. LED RGB units produce dramatic evening light shows.

DIMENSIONS



CHARACTERISTICS

- ◆ Nozzle: Column Nozzle
- ◆ Rated voltage of WaterSwitch: 24V DC
- ◆ Power consumption of WaterSwitch: 10W
- ◆ Power cable for WaterSwitch: 3m SJTOW 18AWG
- ◆ Rated voltage of LED light: 24V DC
- ◆ Rated power of LED light: 36W
- ◆ Light type: LED RGB / RGBW / white light
- ◆ Options of LED light: HX182R-24 / HX182R-36T / HX182R-24QD
- ◆ Power cable for LED light: 3m STW 18AWG
- ◆ Protection Degree of LED light: IP68
- ◆ Material: stainless steel 316 / ABS / stainless steel 304
- ◆ Weight: 19kg

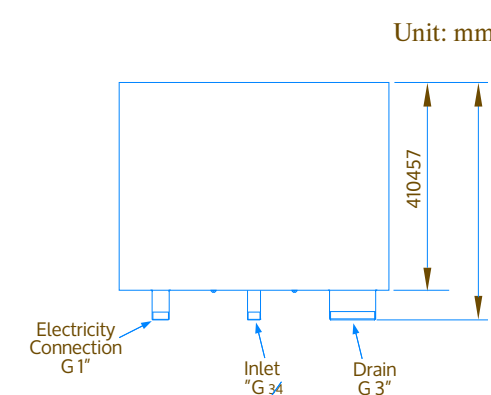
Jumping Jet In The Can

JJIC20-12



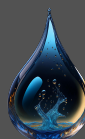
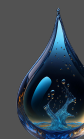
The JJIC20-12 is an exciting interactive unit. The perdue Jumping Jet means no tripping hazards on JJIC20-12 for interactive play. LED RGB units produce dramatic evening light shows.

DIMENSIONS



CHARACTERISTICS

- Effect: laminar water
- Function: cut off
- Max. flow rate: 50l/min
- Max. pressure: 1.2bar
- Rated voltage of LED light: 24V DC
- Rated power of LED light: 6W
- Light type: LED RGB / RGBW / white light
- Power cable for LED light: 3 VDE H05RN-F 2x1.0+3x0.5mm² ◆ Protection Degree of LED light: IP68
- Rated voltage of stepper motor: 24V DC
- Current of stepper motor: 2.1A
- Power cable for stepper motor: 3 STW 18AWG 4*C / VDE H05RN-F 4x1mm²
- Material: stainless steel 304
- Weight: 49kg

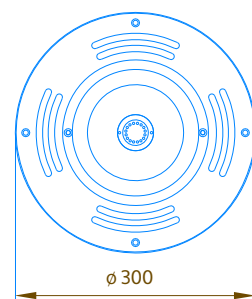


Deck Jet

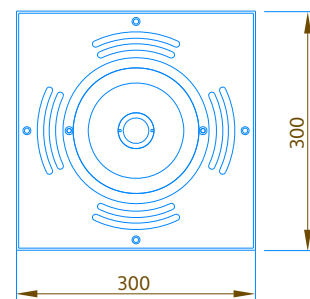
DJ25C/DJ25S

DIMENSIONS

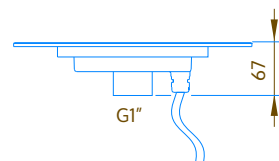
Unit: mm



DJ25C



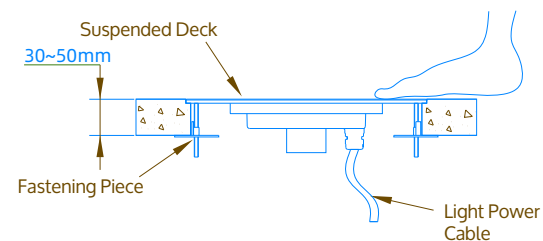
DJ25S



DJ25C



DJ25S



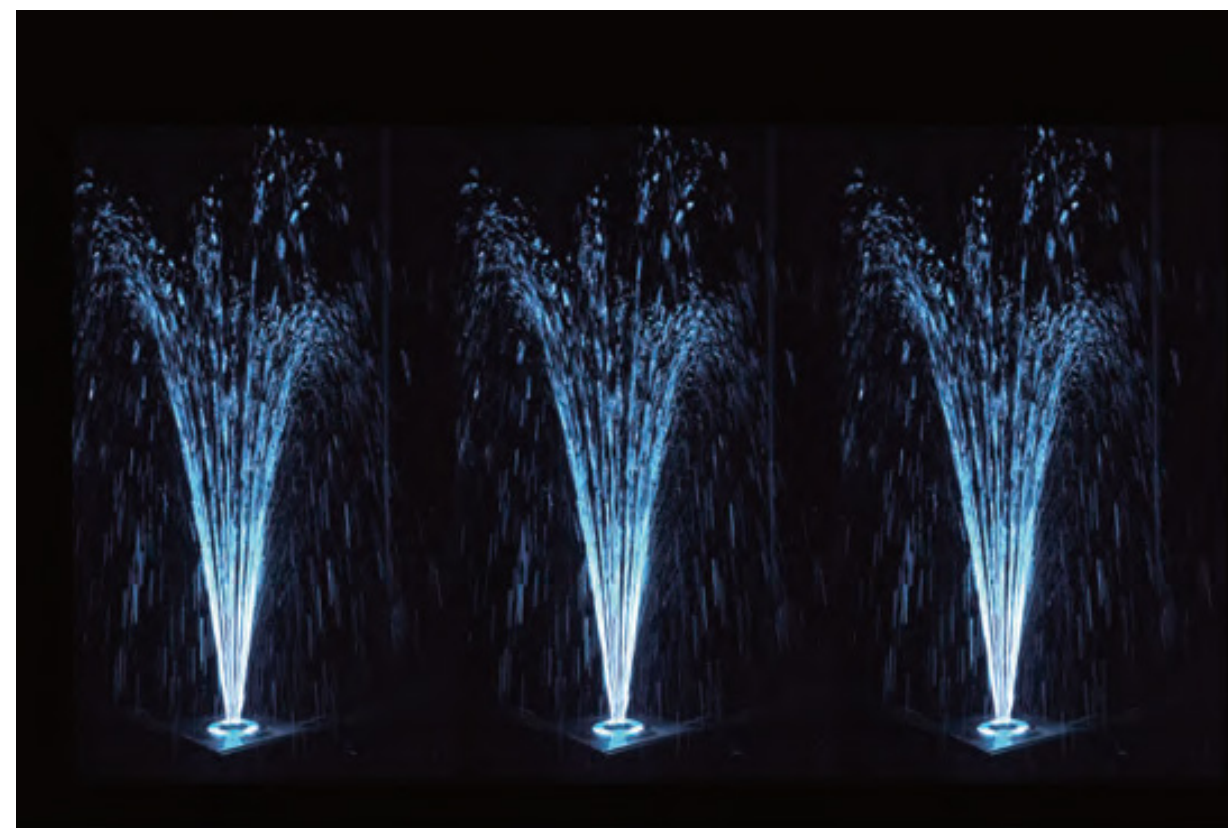
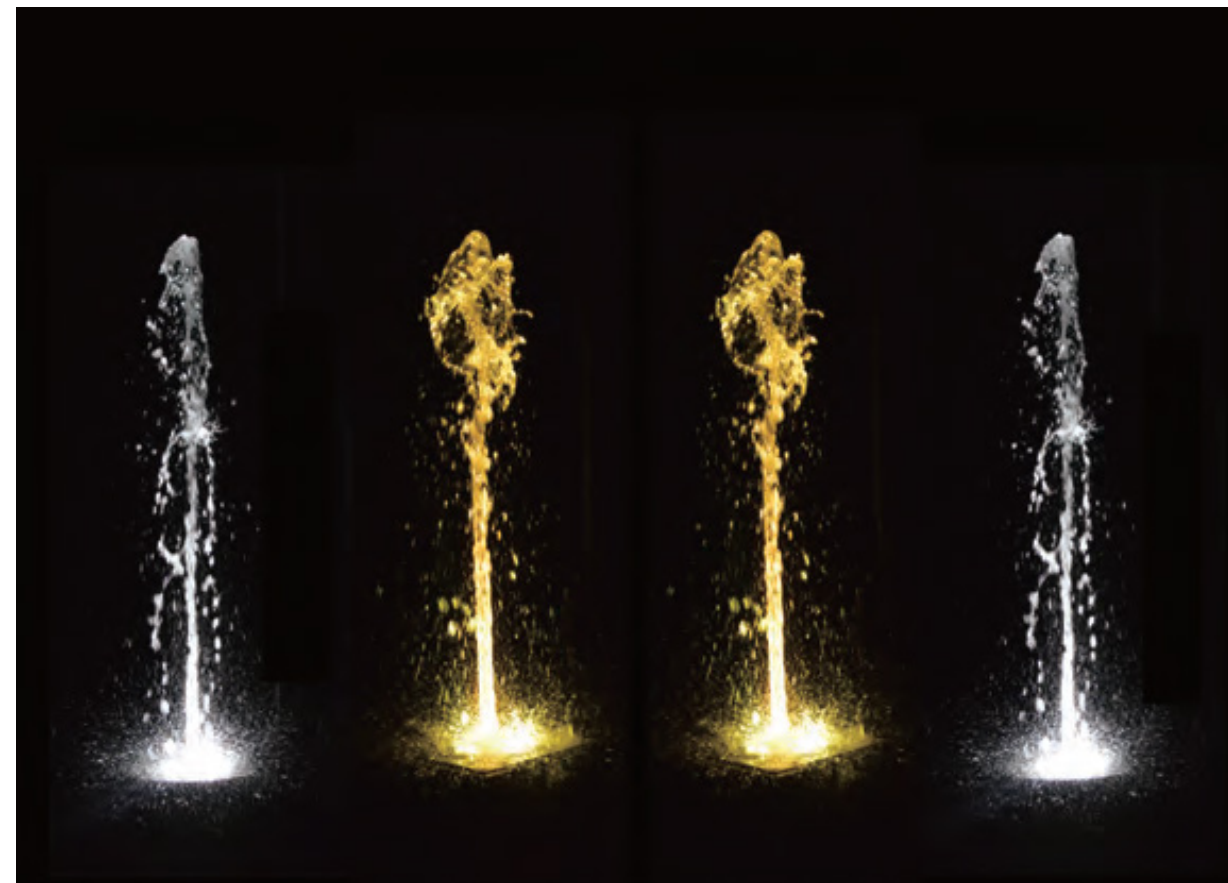
The DJ25C/ DJ25S is an illuminated ground jet.
LED Light units produce dramatic evening light shows.

SPECIFICATION

Flush-mounted nozzle means no tripping hazards on DJ25C/ DJ25S for play.

CHARACTERISTICS

- ◆ Deck: circular / square
- ◆ Options of nozzle: Column nozzle/Angle ring nozzle
- ◆ Rated voltage of LED light: 24V DC
- ◆ Rated power of LED light: 24W / 36W
- ◆ Light type: LED RGB / RGBW / white light
- ◆ Options of LED light:
HX182R-24 / HX182R-36T / HX182R-24QD
- ◆ Material: stainless steel 304

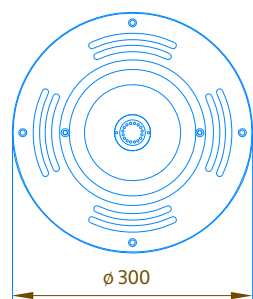


Deck Jet with WaterSwitch

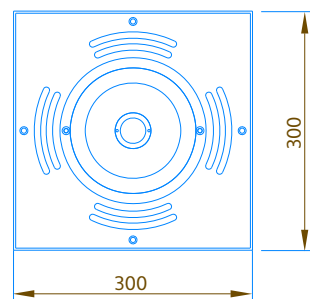
DJWS2520C/DJWS2520S

DIMENSIONS

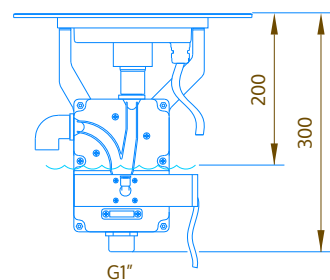
Unit: mm



DJWS2520C



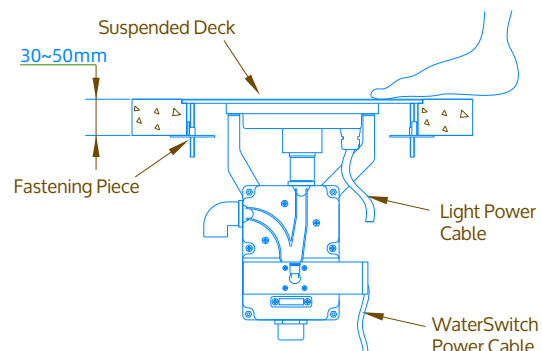
DJWS2520S



DJWS2520C



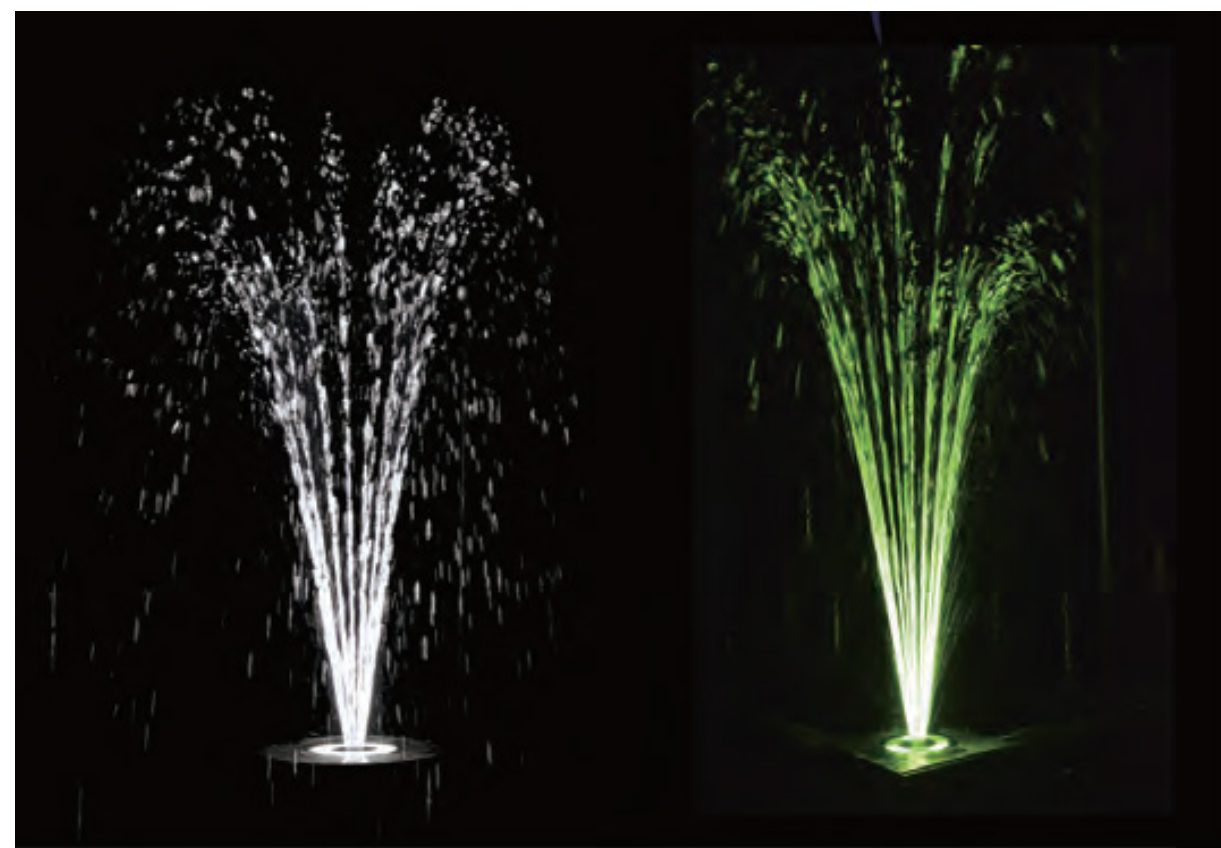
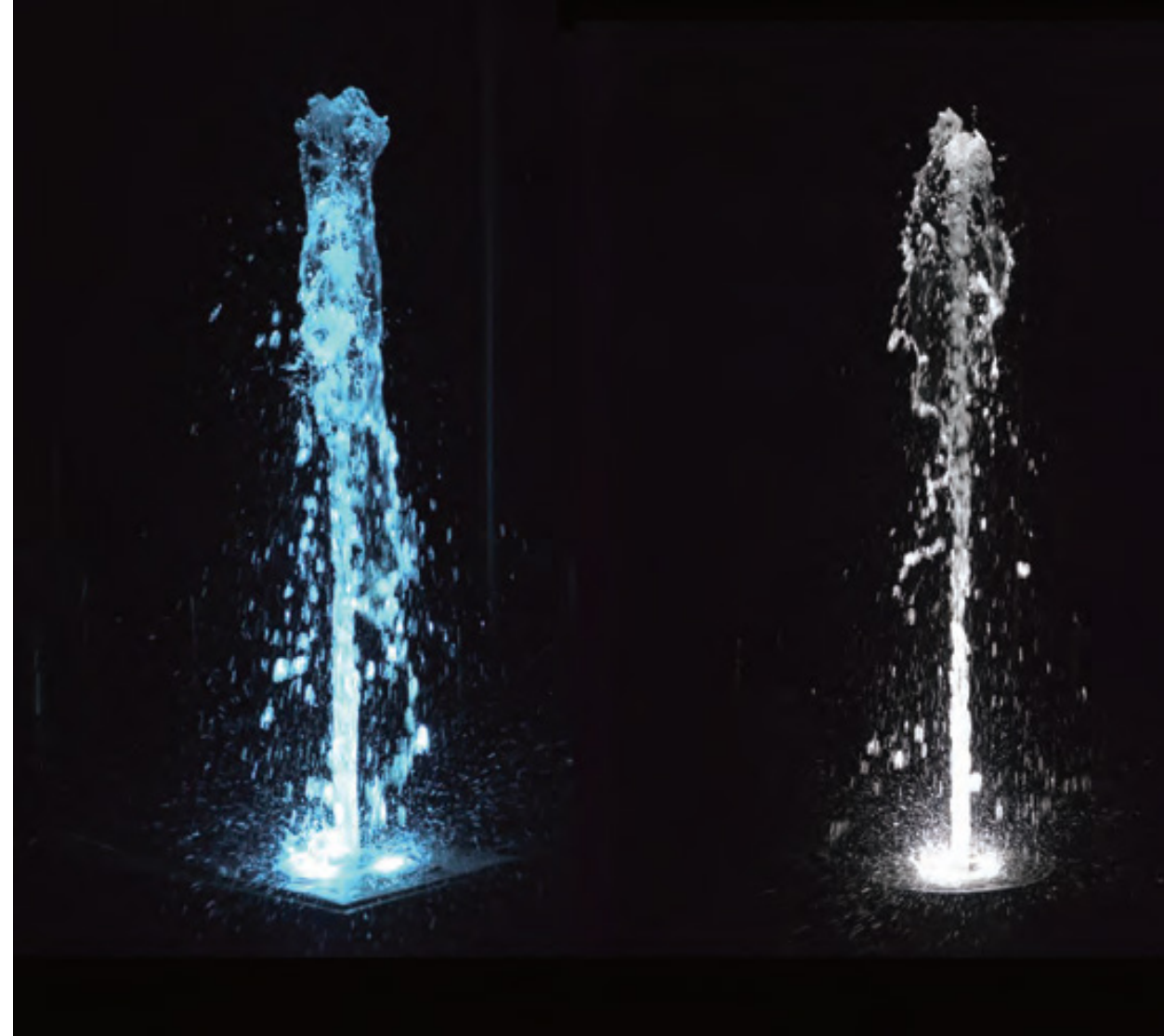
DJWS2520S



The DJWS2520C/ DJWS2520S is an exciting interactive unit that is also safe for interactive play.
LED Light units produce dramatic evening light shows.
Flush-mounted nozzle means no tripping hazards on DJWS2520C/ DJWS2520S for interactive play.

CHARACTERISTICS

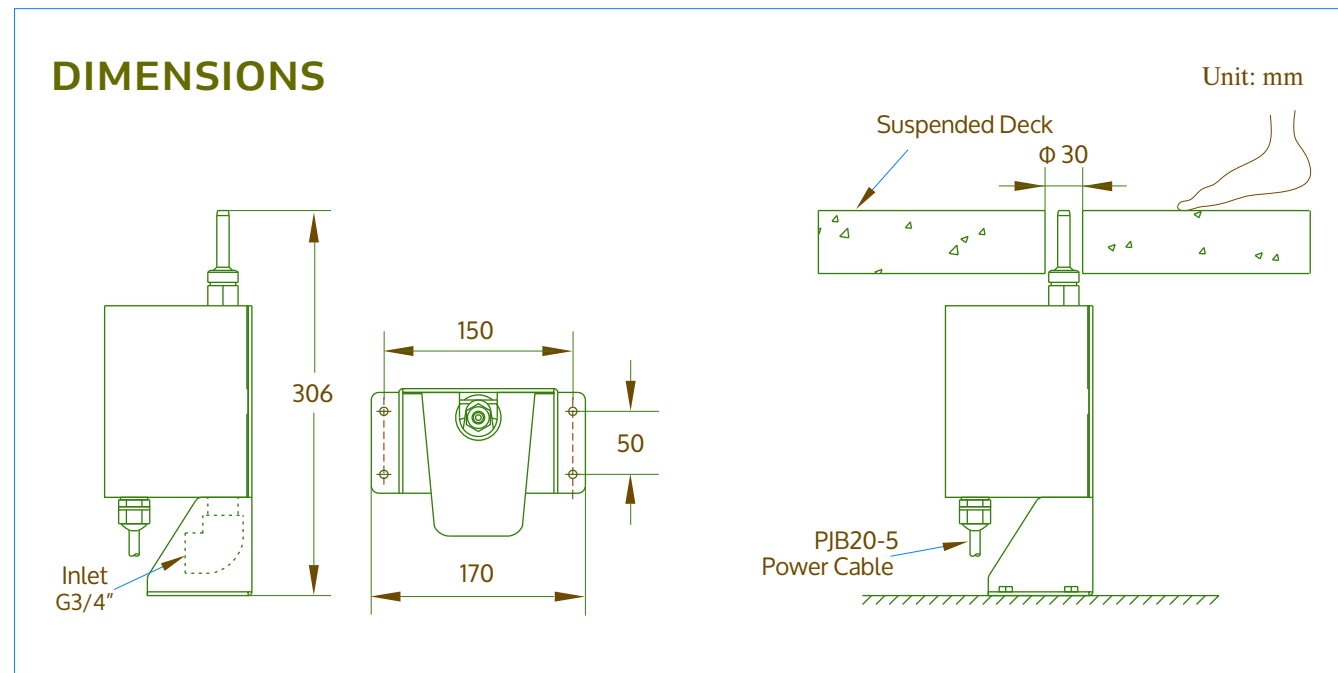
- ◆ Deck: circular / square
- ◆ Options of nozzle: Column nozzle/Angle ring nozzle
- ◆ Rated voltage of WaterSwitch: 24V DC
- ◆ Power consumption of WaterSwitch: 10W
- ◆ Rated voltage of LED light: 24V DC
- ◆ Rated power of LED light: 24W / 36W
- ◆ Light type: LED RGB / RGBW / white light
- ◆ Options of LED light:
HX182R-24 / HX182R-36T / HX182R-24QD
- ◆ Power cable for LED light: 3m STW 18AWG
- ◆ Material: stainless steel 304 / ABS
- ◆ Protection Degree: IP68



Pop Jet

PJB20-5

Pop jet can produces a lively mesmerizing effect with low LPM requirements.
Available in floor mounted versions.



CHARACTERISTICS

- Rated voltage: 24VDC.
- Power consumption: 20W.
- Power cable: 3m STW 18AWG
- Protection Degree: IP68.

MATERIAL

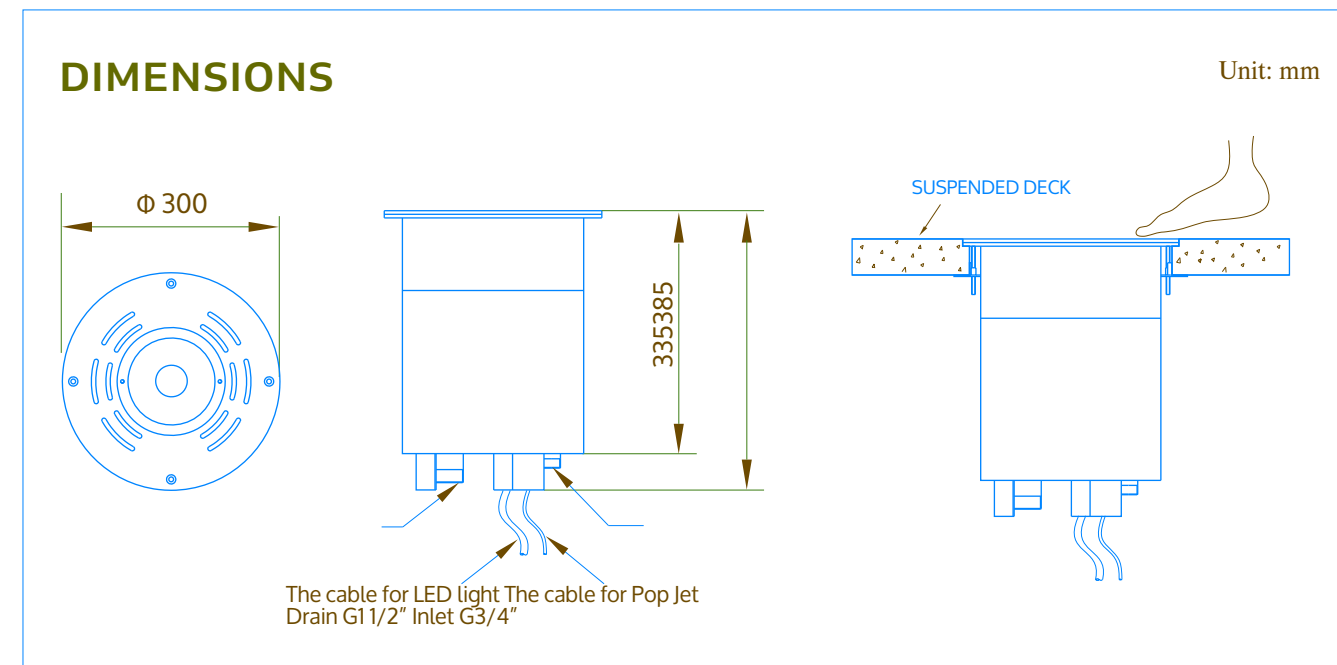
- Nozzle – Brass plated chrome
- Mount – Stainless Steel 304



Pop Jet In The Can

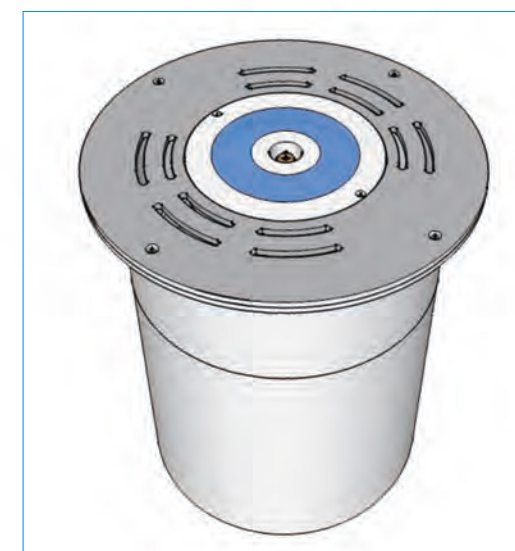
PJIC20-5

The new pop jet unit can be installed underwater or on dry deck.
Water balls popping out of nowhere, produces a lively mesmerizing effect, which becomes focus of attention. In the night, water balls and lighting are synced to a cheerful rhythm.



CHARACTERISTICS

- ◆ Rated voltage of pop jet: 24V DC
- ◆ Power consumption of pop jet: 20W
- ◆ Power cable of pop jet: 3m STW 18AWG
- ◆ Rated voltage of LED light: 24V DC
- ◆ Rated power of LED light: 12W / 18W
- ◆ Light type: LED RGB / RGBW / white light
- ◆ Options of LED light:
HX149R-18 / HX149R-18T / HX149R-12QD
- ◆ Power cable of LED light: 3m STW 18AWG
- ◆ Material: Brass plated chrome, stainless steel 304
- ◆ Protection Degree: IP68

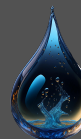


Flow rate
(lpm)

6

7

8



LED Foam Effect Nozzle

FL35-40



LED Cluster Nozzle (FL35-40) Adhering to the design concept of "see the light, not see the light", the LED underwater light and the nozzle are combined with each other.

It reverses the original practice of using a large-diameter ring light in dry spraying, and reduces the diameter of the slate opening on site to 55mm.

The use of different types of acrylic nozzles to achieve different water discharge effect, thus meeting different design needs.

Built-in RGBW 4in1 LED underwater light containing built-in decoder.

Can be directly controlled by DMX512 signals, rather than requiring additional external light decoder to control like traditional light, thus reducing the amount of space occupied in the control cabinet, and at the same time play a role in reducing the cost of equipment and pre-built cables.

Equipment Specifications

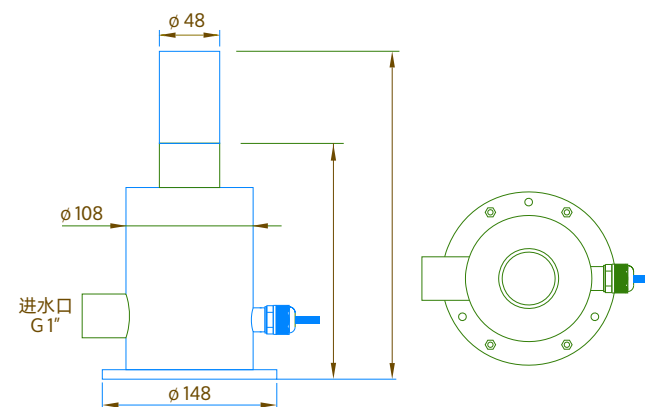
- ◆ Dimensions (L×W×H):
195mm×148mm×285mm
- ◆ Material:
Stainless steel 304 housing,
Acrylic nozzle
- ◆ weight: 3.6kg

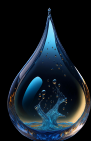
Built-in LED Light Specifications

- Built-in decoder
- Light source: RGB/RGBW
- Lens: 10°
- Rated voltage: 24V DC
- Rated current: 250(mA)
- Rated power: 6(W)
- luminance: 270(lm)

DIMENSIONS

Unit: mm





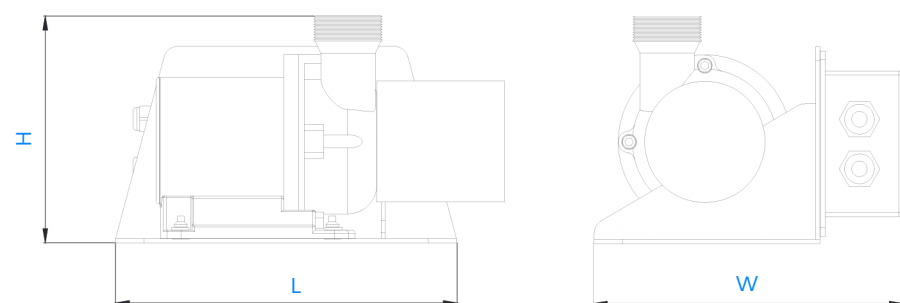
Controllable Pumps

VP-80/VP-150/VP-200

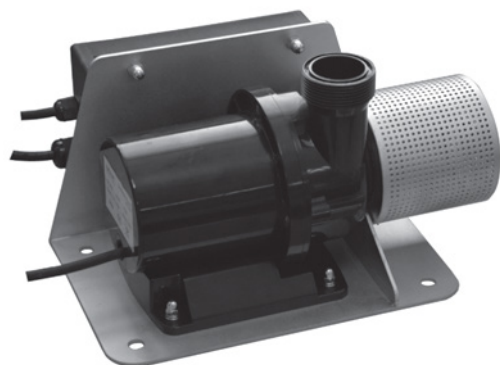
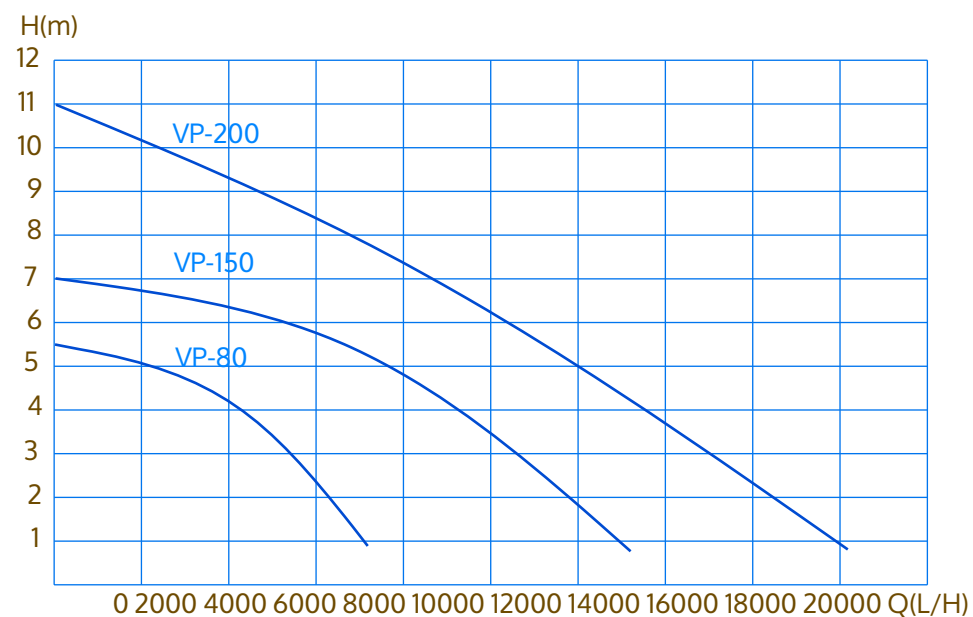
DIMENSIONS

Unit: mm

Type	L	W	H
VP-80	173	240	136
VP-150	218	240	160
VP-200	218	240	160

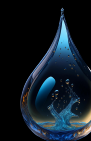


PERFORMANCE



CHARACTERISTICS

- ◆ Quiet and high efficient BLDC motor driven water pump,high efficient design of volute and impeller.
- ◆ Dry running protection
If pump is running without water,it will stop automatically to prevent failure from wear.
- ◆ Over heat protection
Pump will stop running if the motor temperature is high.
- ◆ Over current protection
To prevent motor failure from shortening.
- ◆ DMX signal to control pump speed
Input DMX signal to control pump stop or start and adjust speed.
- ◆ Stand-by model of lowest speed
Pump is run at lowest speed.
- ◆ IP68,submersible or dry installation
Install submersed or dry to make dry or inner water fountain.
- ◆ FOC driver,exactly stable speed control
- ◆ 0.6 second speed ramp from stand-by mold to max speed
Fastest seep reaction to ensure better fountain cense.



Controllable Pumps

VP05 Series

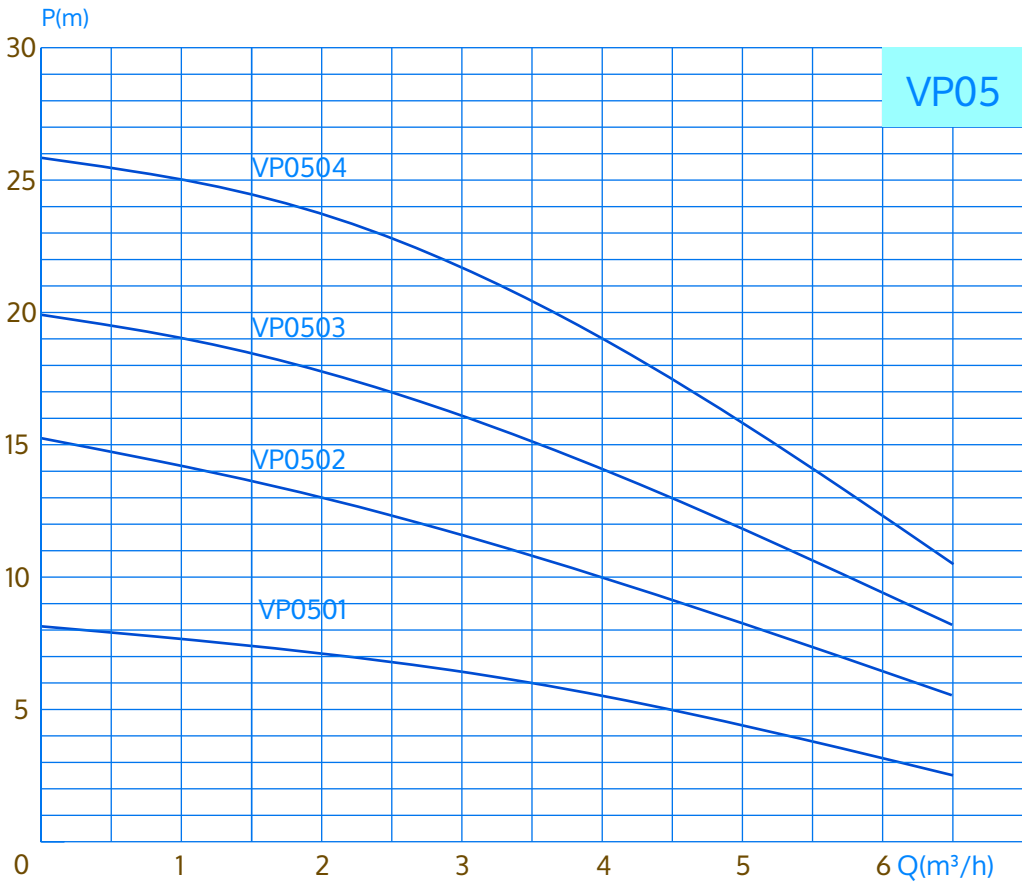


CHARACTERISTICS

- ◆ Must be used underwater
- ◆ Over heat protection
Pump will stop running if the motor temperature is high.
- ◆ Over current protection
To prevent motor failure from shortening.
- ◆ Controllable pump casing, impeller and other components are made of stainless steel 304, corrosion resistance, suitable for freshwater, swimming pool water and other water environments.
- ◆ 24V DC brushless motor adopts the form of synchronous motor with permanent magnet rotor, the rotating speed is strictly according to the rotating speed of the stator magnetic field, the fountain effect is more stable and delicate.
- ◆ DMX512 protocol communication speed regulation, in the fountain project application, can be directly connected with the fountain or lighting control system, without the need of equip frequency converter and cumbersome communication conversion program. Compared to the traditional analog quantity control it will behigher precision and less interference.



PERFORMANCE



Type	VP0501	VP0502	VP0503	VP0504
Control signal	DMX			
Input Voltage	24V DC			
Working current(A)	11	19	27	30
Rated Power(W)	250	400	600	600
Total length(mm)	450	471	492	513
Total weight(kg)	7.2	7.4	7.7	7.9
Diameter of pump(mm)	Φ98			
Diameter of motor(mm)	Φ96			
Rotate speed(r/min)	3000			
Outlet (internal thread)	DN40			
Protection class	IP68			
Application environment	temperature of water between -20°C~40°C, Submerged depth of more than 20cm			
Power cable	2-core waterproof cable			
DMX Signal Cable	Shielded Twisted Pair cable			
Material	Stainless steel 304			



Controllable Pumps

VP08 Series

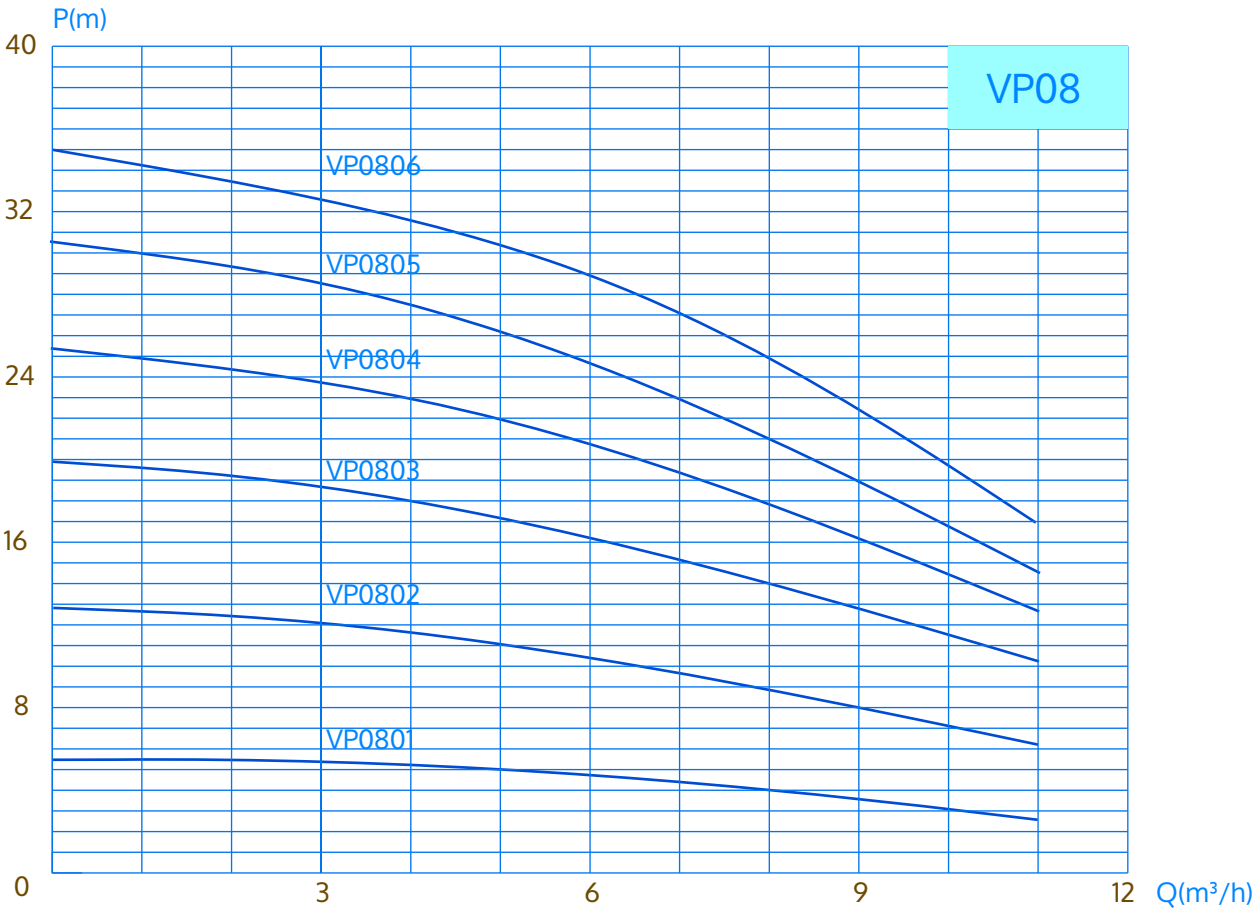


CHARACTERISTICS

- ◆ Must be used underwater
- ◆ Over heat protection
Pump will stop running if the motor temperature is high.
- ◆ Over current protection
To prevent motor failure from shortening.
- ◆ Controllable pump casing, impeller and other components are made of stainless steel 304, corrosion resistance, suitable for freshwater, swimming pool water and other water environments.
- ◆ 24V DC brushless motor adopts the form of synchronous motor with permanent magnet rotor, the rotating speed is strictly according to the rotating speed of the stator magnetic field, the fountain effect is more stable and delicate.
- ◆ DMX512 protocol communication speed regulation, in the fountain project application, can be directly connected with the fountain or lighting control system, without the need of equip frequency converter and cumbersome communication conversion program. Compared to the traditional analog quantity control it will behigher precision and less interference.



PERFORMANCE



Type	VP0801	VP0802	VP0803	VP0804	VP0805	VP0806
Control signal	DMX					
Input Voltage	24V DC					
Working current(A)	17	25	30	37	45	51
Rated Power(W)	400	600	900	1200	1400	1600
Total length(mm)	495	537	579	621	663	705
Total weight(kg)	7.8	8.3	8.7	9.2	9.8	10.8
Diameter of pump(mm)	Φ98					
Diameter of motor(mm)	Φ96					
Rotate speed(r/min)	3000					
Outlet (internal thread)	DN50					
Protection class	IP68					
Application environment	temperature of water between -20℃~40℃, Submerged depth of more than 20cm					
Power cable	2-core waterproof cable					
DMX Signal Cable	Shielded Twisted Pair cable					
Material	Stainless steel 304					

Controllable Pumps

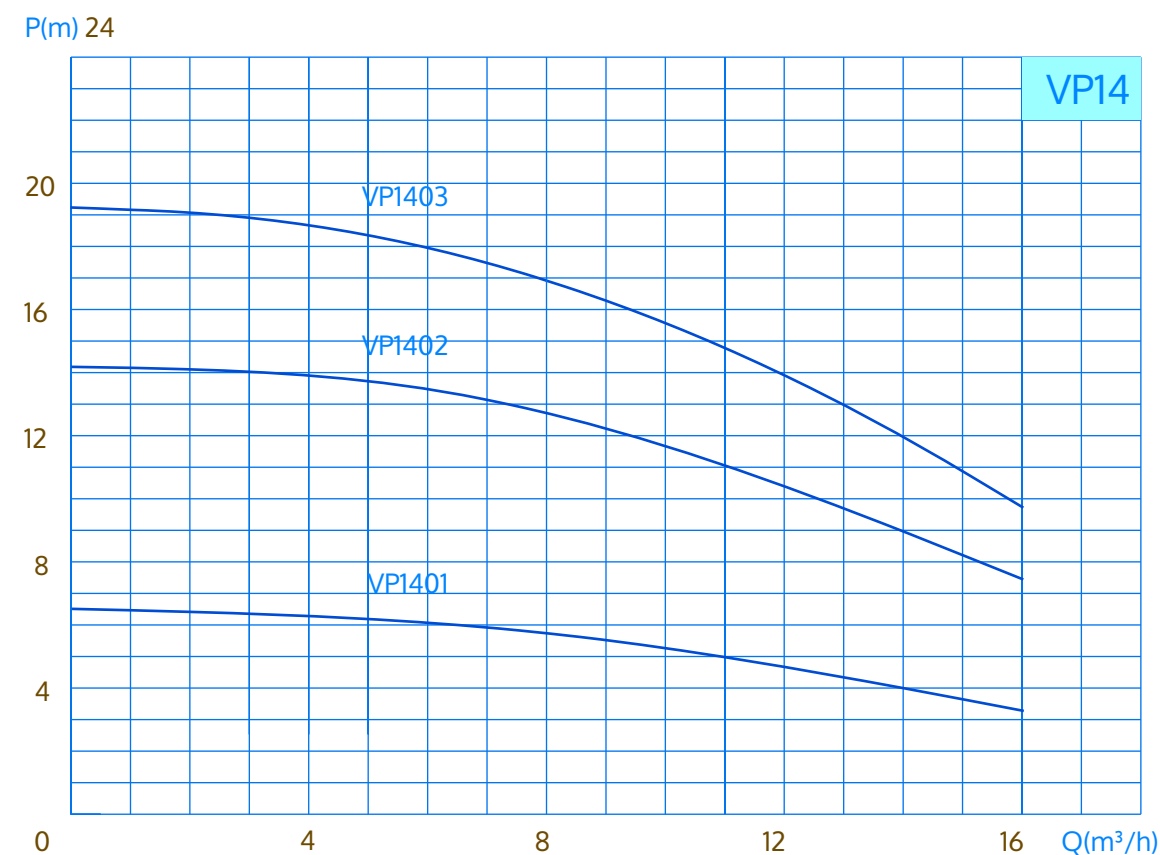
VP14 Series



CHARACTERISTICS

- ◆ Must be used underwater
- ◆ Over heat protection
Pump will stop running if the motor temperature is high.
- ◆ Over current protection
To prevent motor failure from shortening.
- ◆ Controllable pump casing, impeller and other components are made of stainless steel 304, corrosion resistance, suitable for freshwater, swimming pool water and other water environments.
- ◆ 24V DC brushless motor adopts the form of synchronous motor with permanent magnet rotor, the rotating speed is strictly according to the rotating speed of the stator magnetic field, the fountain effect is more stable and delicate.
- ◆ DMX512 protocol communication speed regulation, in the fountain project application, can be directly connected with the fountain or lighting control system, without the need of equip frequency converter and cumbersome communication conversion program. Compared to the traditional analog quantity control it will behigher precision and less interference.

PERFORMANCE



Controllable Pumps

VP17 Series

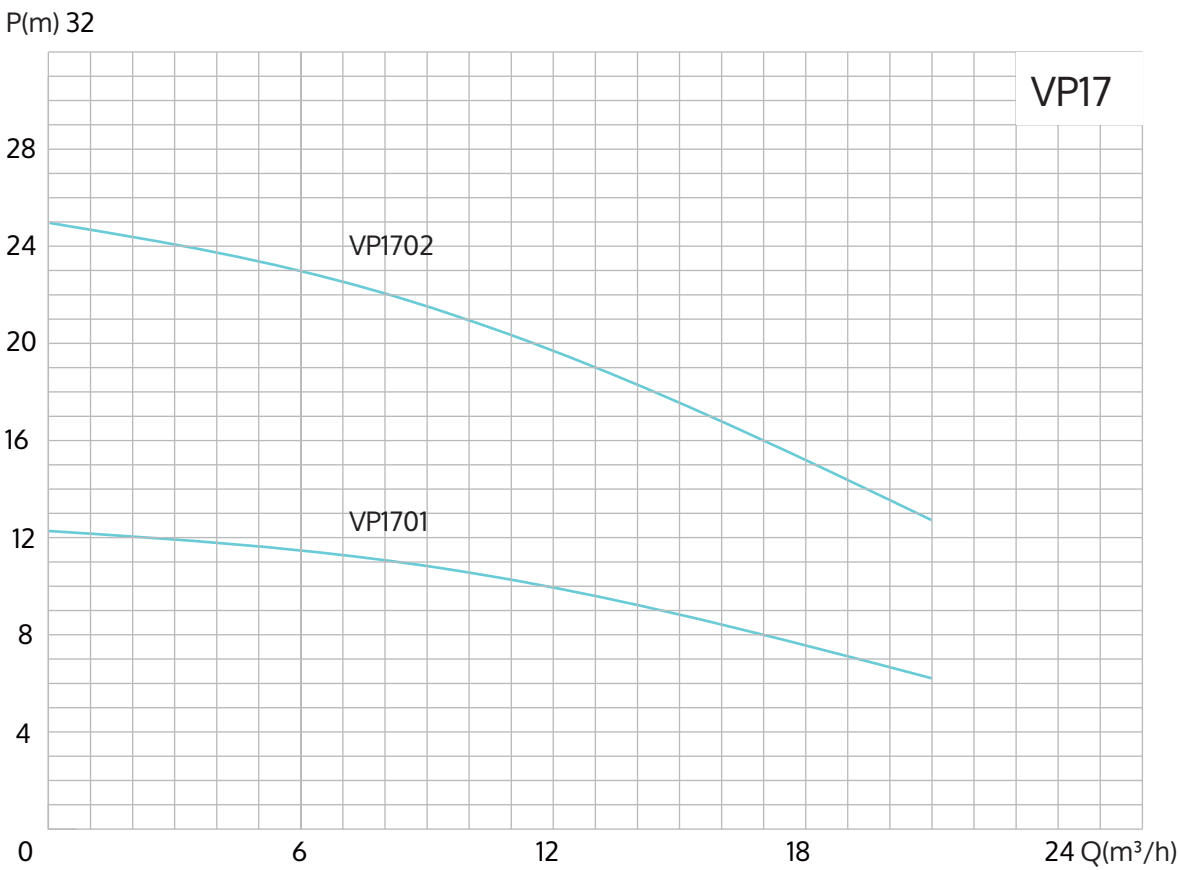


CHARACTERISTICS

- ◆ Must be used underwater
- ◆ Over heat protection
Pump will stop running if the motor temperature is high.
- ◆ Over current protection
To prevent motor failure from shortening.
- ◆ Controllable pump casing, impeller and other components are made of stainless steel 304, corrosion resistance, suitable for freshwater, swimming pool water and other water environments.
- ◆ 24V DC brushless motor adopts the form of synchronous motor with permanent magnet rotor, the rotating speed is strictly according to the rotating speed of the stator magnetic field, the fountain effect is more stable and delicate.
- ◆ DMX512 protocol communication speed regulation, in the fountain project application, can be directly connected with the fountain or lighting control system, without the need of equip frequency converter and cumbersome communication conversion program. Compared to the traditional analog quantity control it will behigher precision and less interference.



PERFORMANCE



Type	VP1701	VP1702
Control signal	DMX	
Input Voltage	24V DC	
Working current(A)	36	57
Rated Power(W)	1200	1600
Total length(mm)	597	657
Total weight(kg)	10.5	11.6
Diameter of pump(mm)	Φ131	
Diameter of motor(mm)	Φ 96	
Rotate speed(r/min)	3000	
Outlet (internal thread)	DN65	
Protection class	IP68	
Application environment	temperature of water between -20℃~40℃, Submerged depth of more than 20cm	
Power cable	2-core waterproof cable	
DMX Signal Cable	Shielded Twisted Pair cable	
Material	Stainless steel 304	

Controllable Pumps

VP30 Series

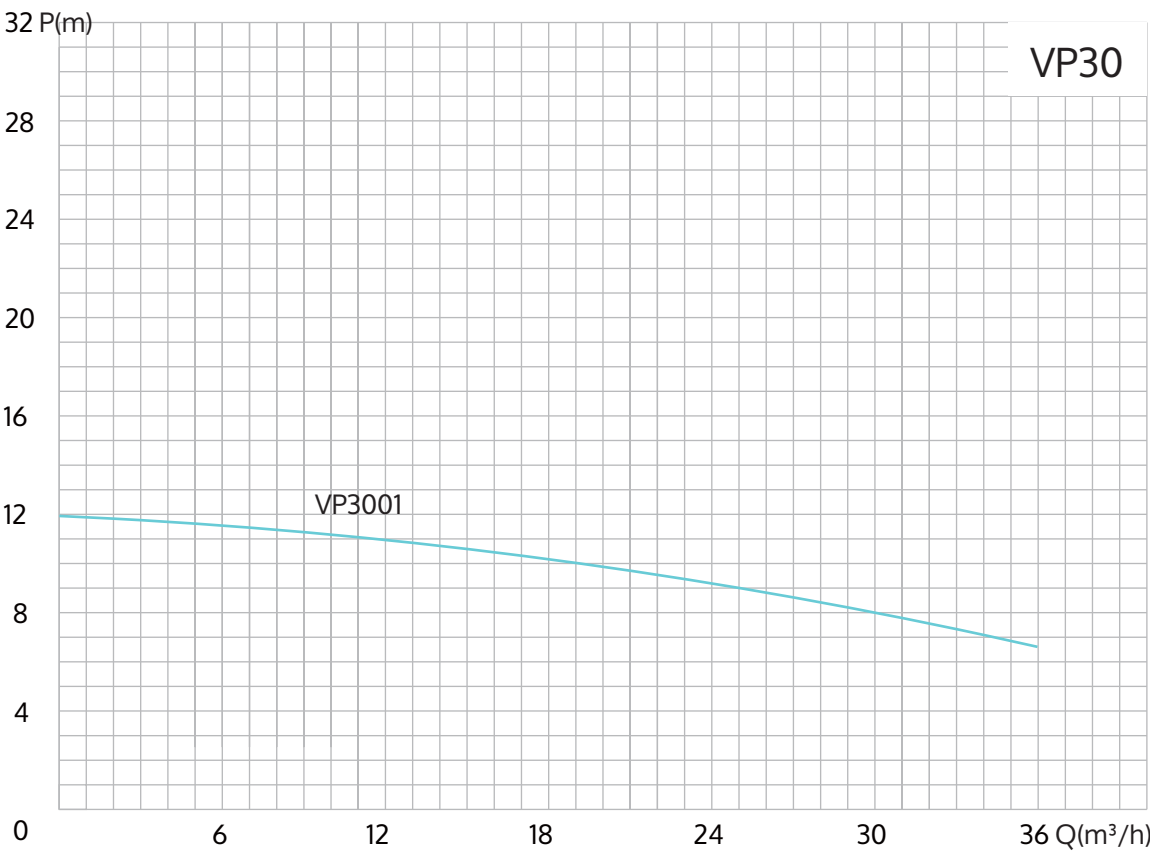


CHARACTERISTICS

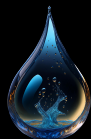
- ◆ Must be used underwater
- ◆ Over heat protection
Pump will stop running if the motor temperature is high.
- ◆ Over current protection
To prevent motor failure from shortening.
- ◆ Controllable pump casing, impeller and other components are made of stainless steel 304, corrosion resistance, suitable for freshwater, swimming pool water and other water environments.
- ◆ 24V DC brushless motor adopts the form of synchronous motor with permanent magnet rotor, the rotating speed is strictly according to the rotating speed of the stator magnetic field, the fountain effect is more stable and delicate.
- ◆ DMX512 protocol communication speed regulation, in the fountain project application, can be directly connected with the fountain or lighting control system, without the need of equip frequency converter and cumbersome communication conversion program. Compared to the traditional analog quantity control it will behigher precision and less interference.



PERFORMANCE

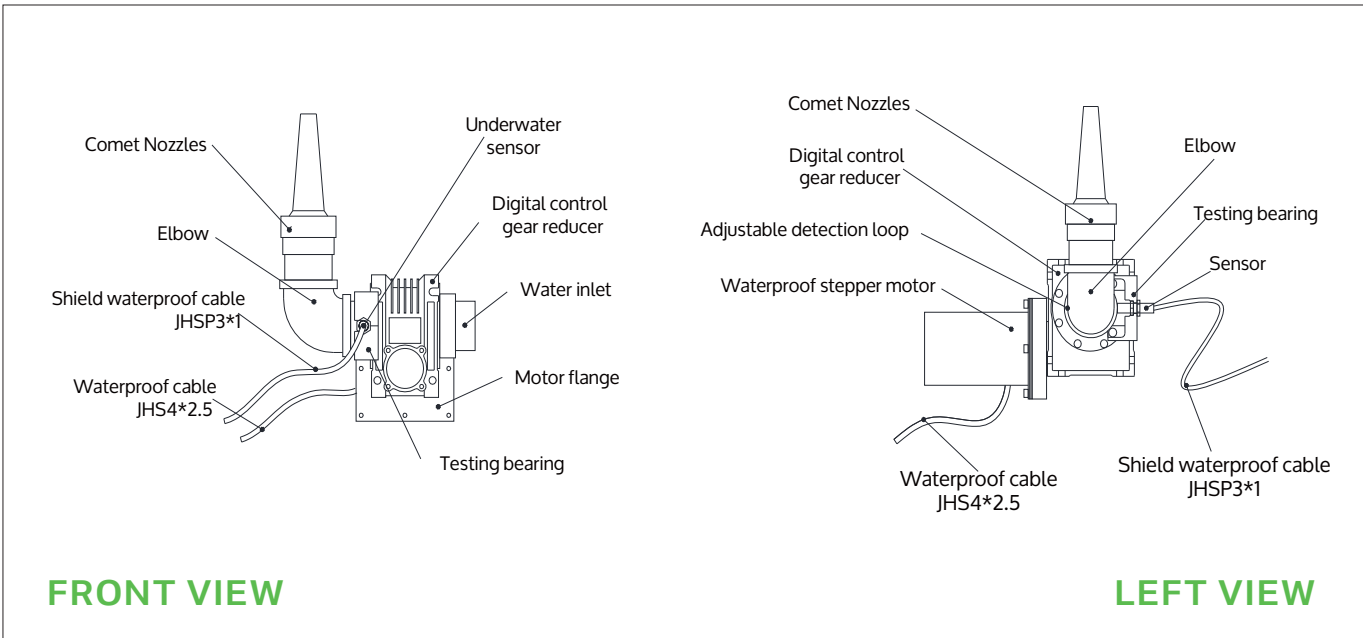


Type	VP3001
Control signal	DMX
Input Voltage	24V DC
Working current(A)	67
Rated Power(W)	1600
Total length(mm)	632
Total weight(kg)	12.1
Diameter of pump(mm)	Φ131
Diameter of motor(mm)	Φ96
Rotate speed(r/min)	3000
Outlet (internal thread)	DN65
Protection class	IP68
Application environment	temperature of water between -20℃~40℃, Submerged depth of more than 20cm
Power cable	2-core waterproof cable
DMX Signal Cable	Shielded Twisted Pair cable
Material	Stainless steel 304

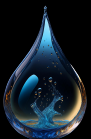
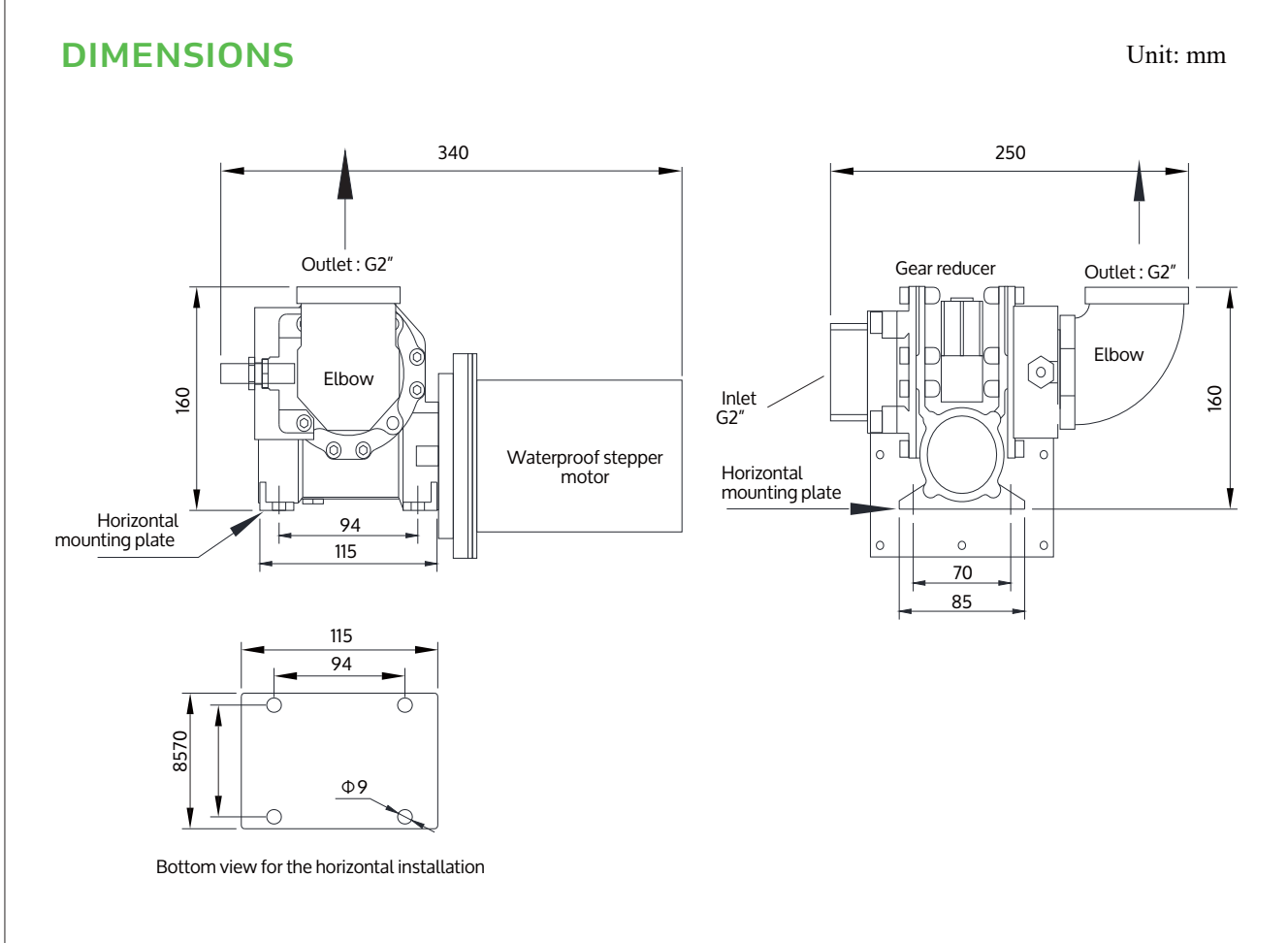


One-dimension Swivel Jet

HXL1-50S



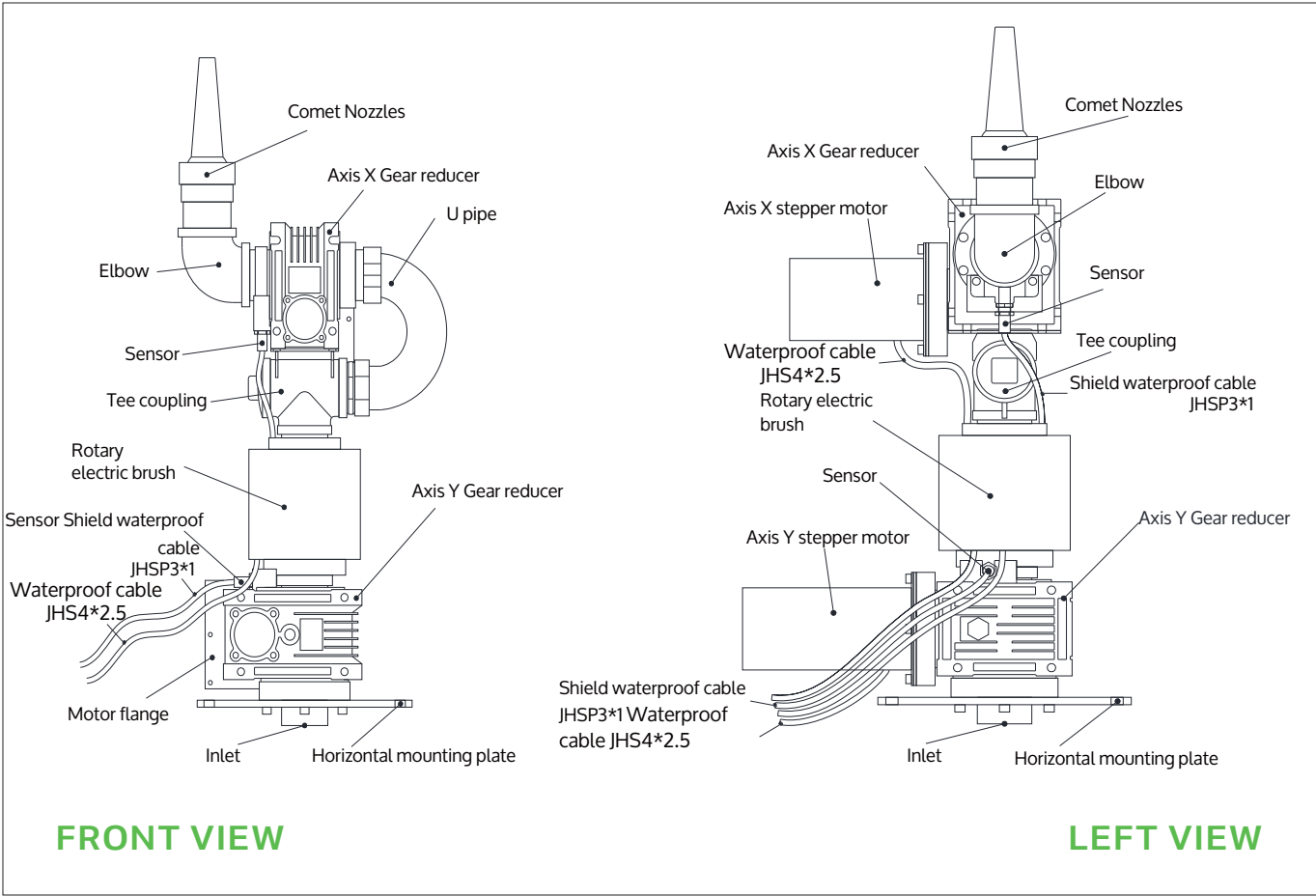
Order NO.	HXL1-50S
Material	Stainless steel 304
Worm gear ratio	1:10
Max transmission distance via cable	500m
Stepper motor voltage	80V AC
Stepper motor power	300W
Max torque of stepper motor	6 n.m
Sensor Input voltage	24V DC
Max spray high	18m
Max speed	75rpm
180° round trip (times/minute)	42
90° round trip (times/minute)	70
45° round trip (times/minute)	135
5° round trip (times/minute)	1200
Weight	12 kg
Power cable	1m





Two-dimension Swivel Jet

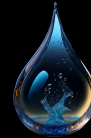
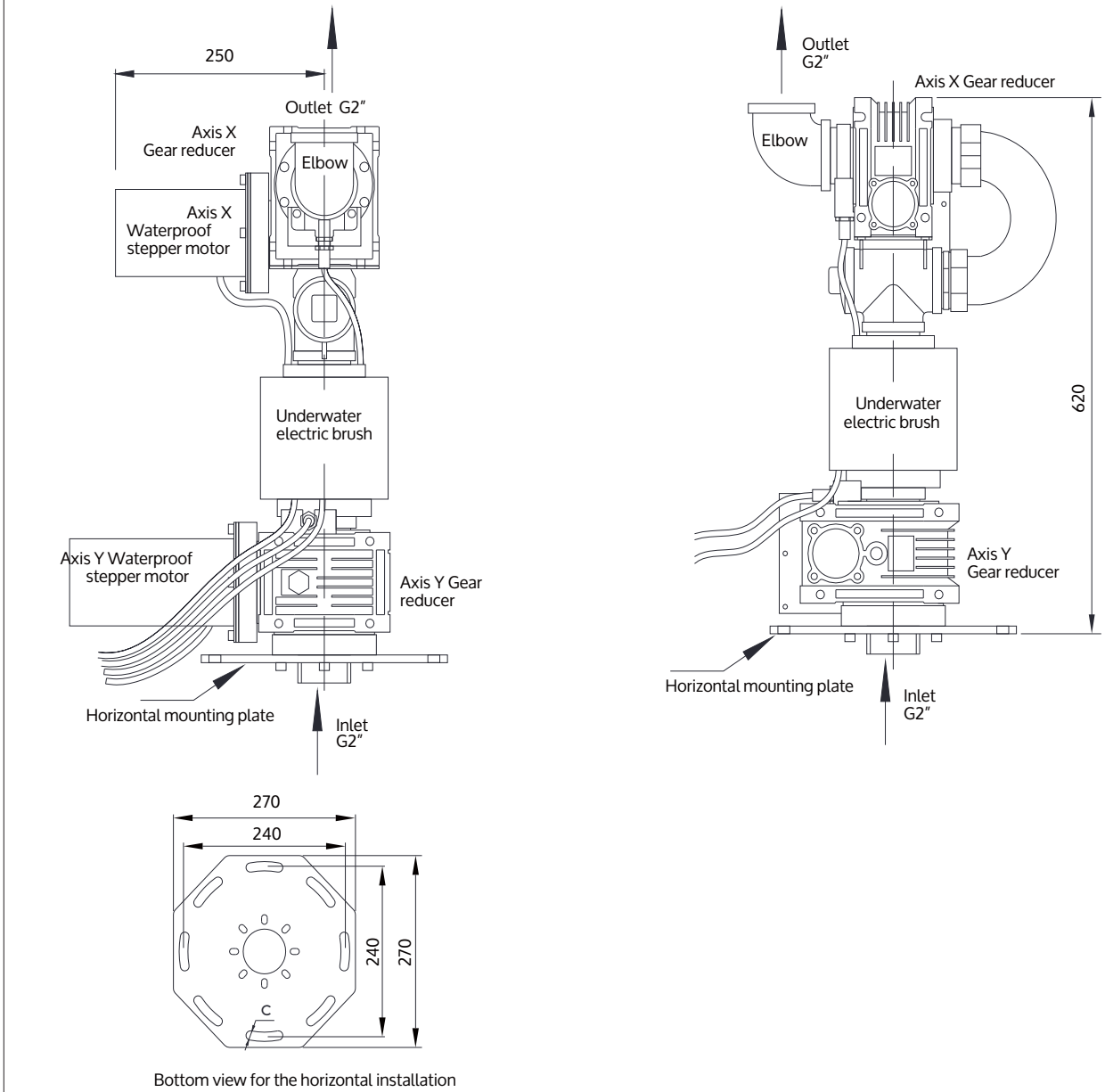
HXL2-50S

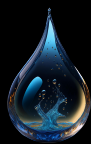


Order NO.	HXL2-50S	
	Axis X	Axis Y
Material	Stainless steel 304	
Worm gear ratio	1:10	1:10
Max transmission distance via cable	500m	500m
Stepper motor voltage	80V AC	80V AC
Stepper motor power	300W	350W
Max torque of stepper motor	6 n.m	8 n.m
Sensor Input voltage	24V DC	24V DC
Max spray high	18m	18m
Max speed	75	40
180° round trip (times/minute)	42	30
90° round trip (times/minute)	70	50
45° round trip (times/minute)	135	60
5° round trip (times/minute)	1200	/
Weight	40 kg	
Power cable	1m	

DIMENSIONS

Unit: mm





Digital Water Curtain

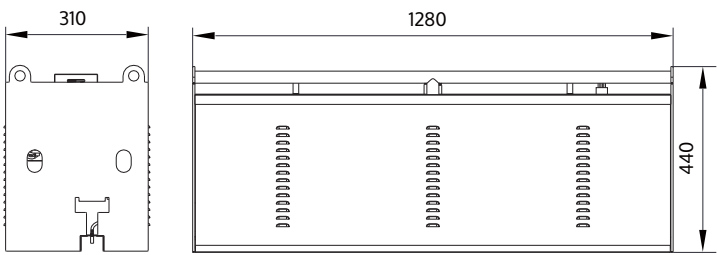
DWC-128



This water curtain is particularly attractive in public areas such as shopping malls, office complexes, luxury hotels and theme parks. The unique arrangement of the nozzles produces an unique magic waterfall with high visibility. Thanks to the fast reacting valve technology, we can also programme a variety of patterns on the water wall to convey text and graphic messages for our customers.

DIMENSIONS

Unit: mm

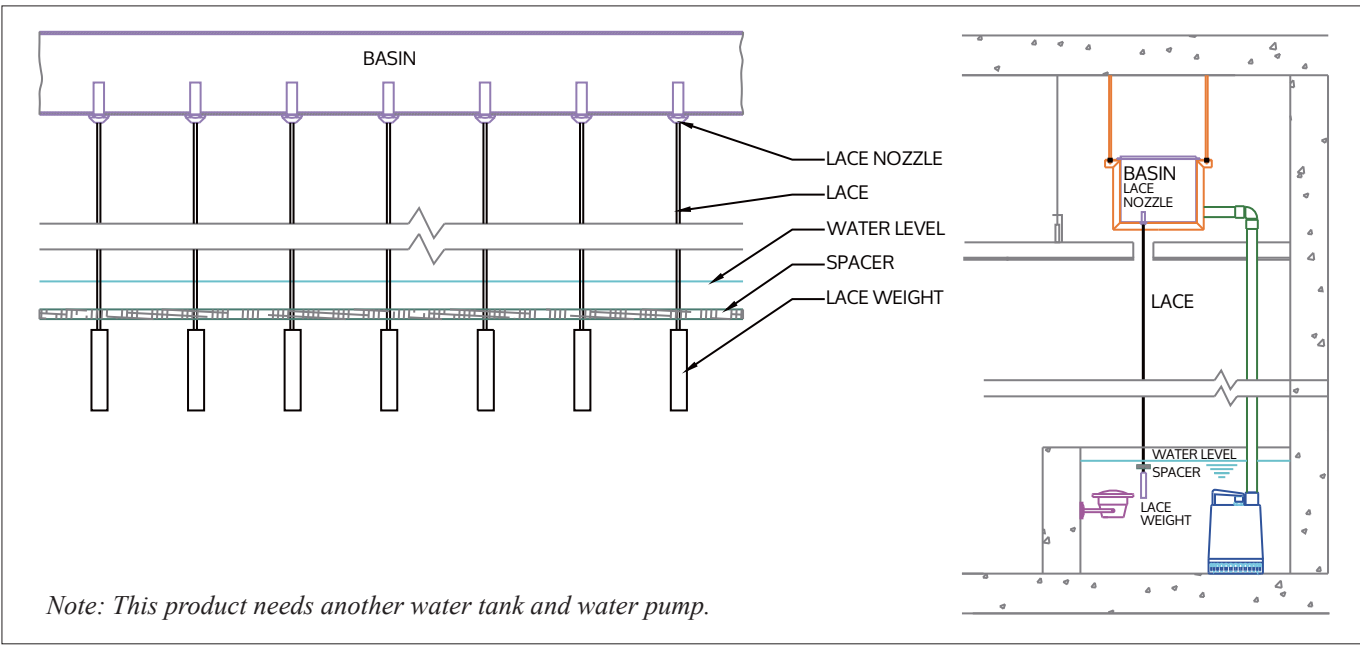


Type	DWC-128
Material	SS304
Amount of valve	64
Amount of nozzle	128
Nozzle diameter	4.5mm
Distance between the nozzles	10mm
Power consumption	800W
Water consumption	50lpm
Weight dry	65kg
Weight filled with water	115kg

CHARACTERISTICS

- Precise valve control via DMX.
- ◆ Recommended max. height: 10m.
- ◆ 110-240V AC 50/60 Hz power supply.
- ◆ Modular digital water curtain system: curved/straight
- ◆ Accurately defined text and graphics displays 800W due to fast reacting valve technology.
- ◆ Closely packed nozzle/valve arrangement to ensure high resolution.

Mylar Lace Drip

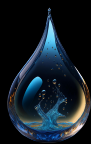
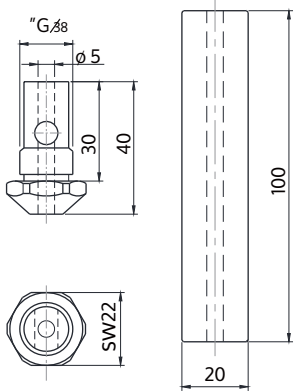


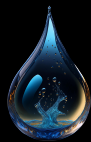
The Mylar Lace Drip contains a plurality of lace nozzles and a corresponding number of adjustable clear Mylar PET lace and lace weights. This type of fountain provides not only a tranquil relaxing feeling for a busy environment but also a beautiful divide as an architectural feature. Provide customized matching water tank (304 stainless steel material) service.



Type	Water demand lpm	Material	Weight kg
Nozzle for mylar lace	0.5	Brass	0.06
Mylar lace		PET	0.15
Lace weight		Brass	0.23

DIMENSIONS Unit: mm



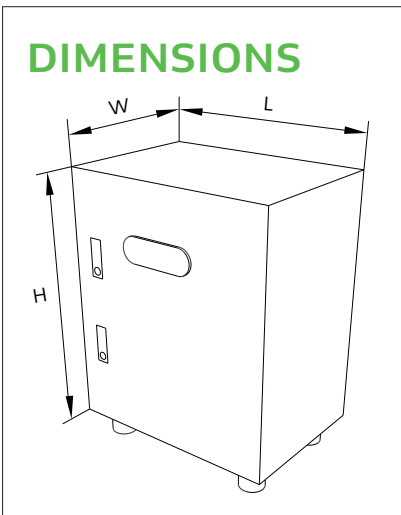


Fog Machine



CHARACTERISTICS

- BERTOLINI plunger pump, made in Italy. ♦ ABB brand electric motor
- Pump and motor are integrated, motor directly drives the pump. Reduced galling noise.
- Pressure sensor to ensure the water inflow.
- Tank fitted with water level detector.
- Membrane filter.
- Integrated controller.



PERFORMANCE

Type	Flow rate lpm	Pressure bar	Power kW	Load qty. of fog nozzle CF-15S CF-20S		L×W×H mm
HX50-1.1	4	≥90	1.1	50-60	40-50	800×600×1000
HX85-1.5	8.5	≥90	1.5	90-100	80-90	
HX120-2.2	12	≥90	2.2			
HX150-3.0	15	≥90	3.0	130-150	120-130	
HX210-4.0	23	≥90	4.0	160-180	150-160	
HX300-5.5	30	≥90	5.5	230-250	210-230	900×700×1200
				330-350	300-310	

Flaming Water Jet

WAF5040



The design of Flaming Water Jet breaks the conventional thinking. Water and fire are two opposite natural elements can be programmed to stay and dance together beautifully. Flaming Water Jet can be adjusted within 25 degree to give either a vertical or a parabolic effect of flaming water. The spray height can be programmed to match flirtatious dancing flame and create a spectacular water and fire show.

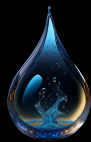
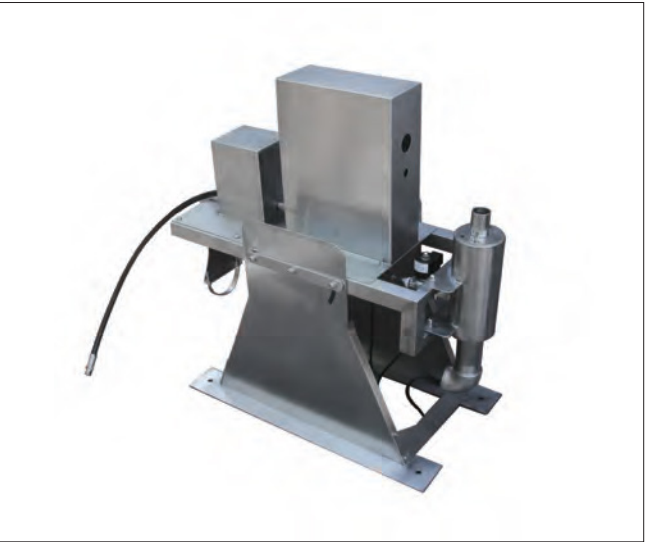
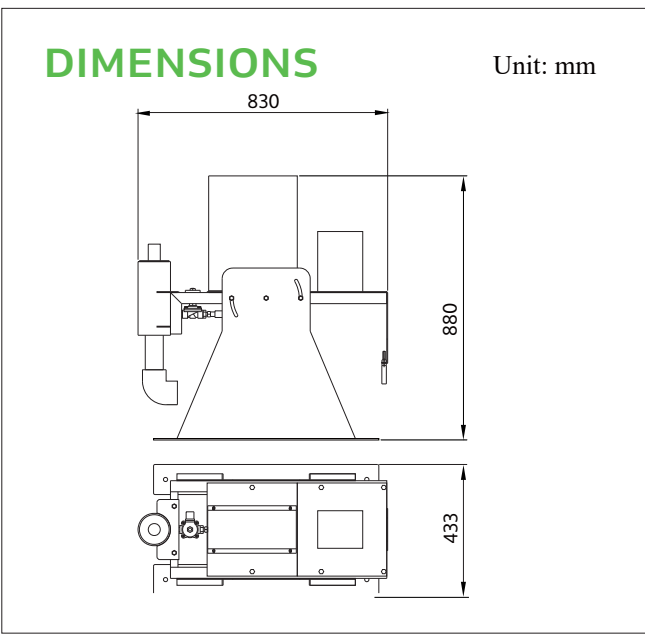
CHARACTERISTICS

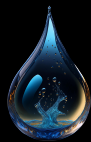
- Spray height : 5m (gentle breeze below)
- Rated voltage : AC110V / AC220V
- Total power : 600W
- Weight : 55kg
- Material : SS304
- bottled gas (propane) (client supplied)
- Bunkers flow rate : 12kg/h, 0.4MPa

PERFORMANCE

Type	WAF5040	
Ht.	P	Q
m	bar	lpm
0.5	0.1	128
0.75	0.2	156
1	0.3	175
1.5	0.5	222
2	0.6	266
3	1.1	344
4	1.6	422
5	2.1	500

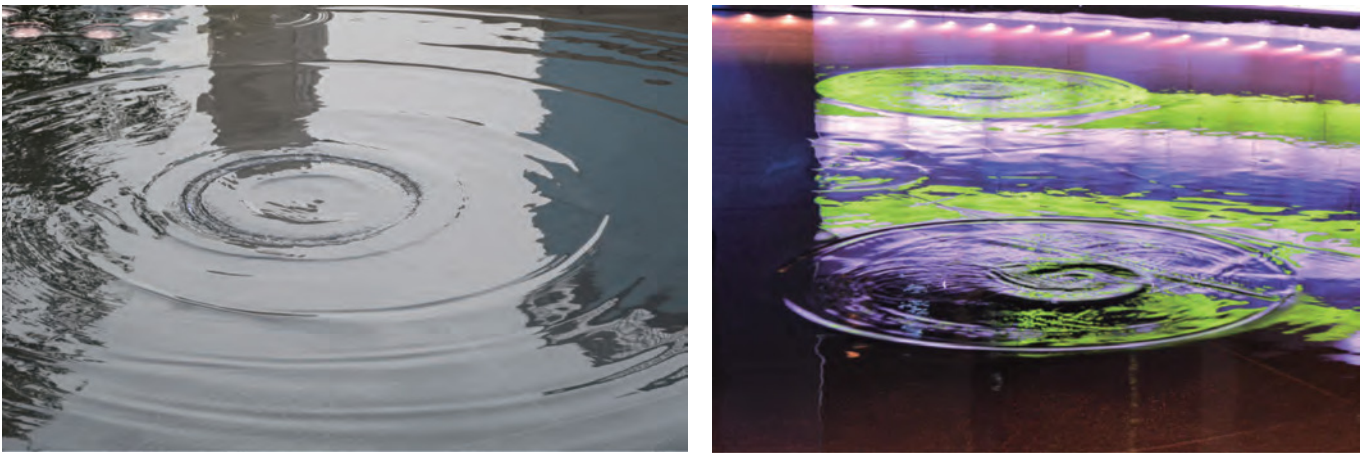
- Ht. = Spray height (m)
- P = Pressure demand (bar)
- Q = Flow rate (lpm)





Ripper Generator

RP500/RP750



When the ripples, lights and the still pool intermingle, they form a harmonious unity of motion and stillness. In the hustle and bustle of the city, such beauty is like a sparkling landscape that is refreshing to the mind.

The Ripple Generator uses a ring nozzle design that sprays at the proper flow rate to create concentric wrinkles or ripples inward and outward. This causes beautiful ripples on still water.As the ripples gradually move away from the nozzle, their dynamics diminish and tranquility is restored to the water in the pool.

The source of these visual waves can be hidden with appropriate installation.By using DMX pump control system to control the time of switching on and off, as well as the operational speed of the pump, to change the frequency of the creation of waves, in accordance with the timing of turning on and off the lights, the different effects can be delivered along with multi-sets designing of a ripple fountain.

ARCHITECTURAL SPECIFICATION FOR INTEGRATION

The integrated design of the ripple generator needs to meet some special requirements in order to be able to appreciate the ripple effect at its best. To ensure that the ripples are not visually jarring or obvious, the ripple-generating nozzles need to be hidden in a very specific way.Factors such as the material and color of the pool finish can affect the ripples' effect and visual perception.

Therefore, designers need to consider all factors to create the best ripple effect.

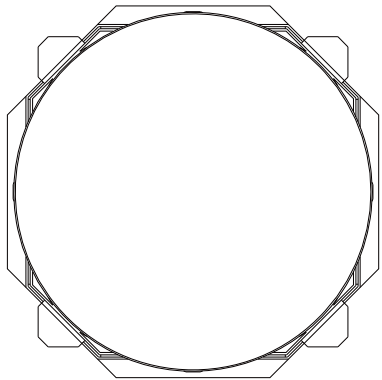
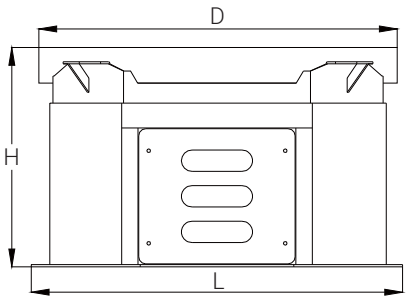
- The ripple generator shall be installed in a mirror pool with circulating water replenishment.
- Water level over nozzle should be 5-8mm.
- Pool finishes recommended to be black/dark.

Only test tops are provided, users need to provide their own tops of the same color and material as the pool for official use.

We recommend a site analysis of the pool area prior to implementation as lighting conditions may have impact on the final display.

DIMENSIONS

Unit: mm

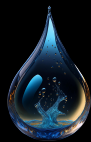


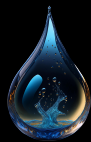
CHARACTERISTICS

- ◆ Wave System
- ◆ Ideal for calm reflective pool
- ◆ Delivered as a complets unit for integration with pool structure and finishes
- ◆ Two ring nozzle sizes available
- ◆ Main mechanical parts comprising of controllable pump,underwater decoder and neon flex
- ◆ Argentate coated stainless steel design
- ◆ Protection class: IP68
- ◆ Power cable: 2 x 1 VDE
DMX cable: 3 x 0.75 VDE

PERFORMANCE

Type	RP500	RP750
Ring nozzle diameter(mm)	Φ 500	Φ 750
Dimension=L×W×H(mm)	522×522×308	784×784×308
Power consumption of max(W)	430	600
Nominal voltage	24V DC	24V DC
Protection class	IP68	IP68
Power cable of pump	0.5m 2 x 1 VDE	0.5m 2 x 1 VDE
Power cable of Neon Flex	0.5m 2 x 1 VDE	0.5m 2 x 1 VDE
DMX Input Signal Cable of pump	0.5m 3 x 0.75 VDE	0.5m 3 x 0.75 VDE
DMX output Signal Cable of pump	0.5m 3 x 0.75 VDE	0.5m 3 x 0.75 VDE
Total number of DMX channel	6	6
Material	Stainless steel 304/Plastic	Stainless steel 304/Plastic
Weight(kg)	45	80





Air Blast Nozzle

AB30/AB70



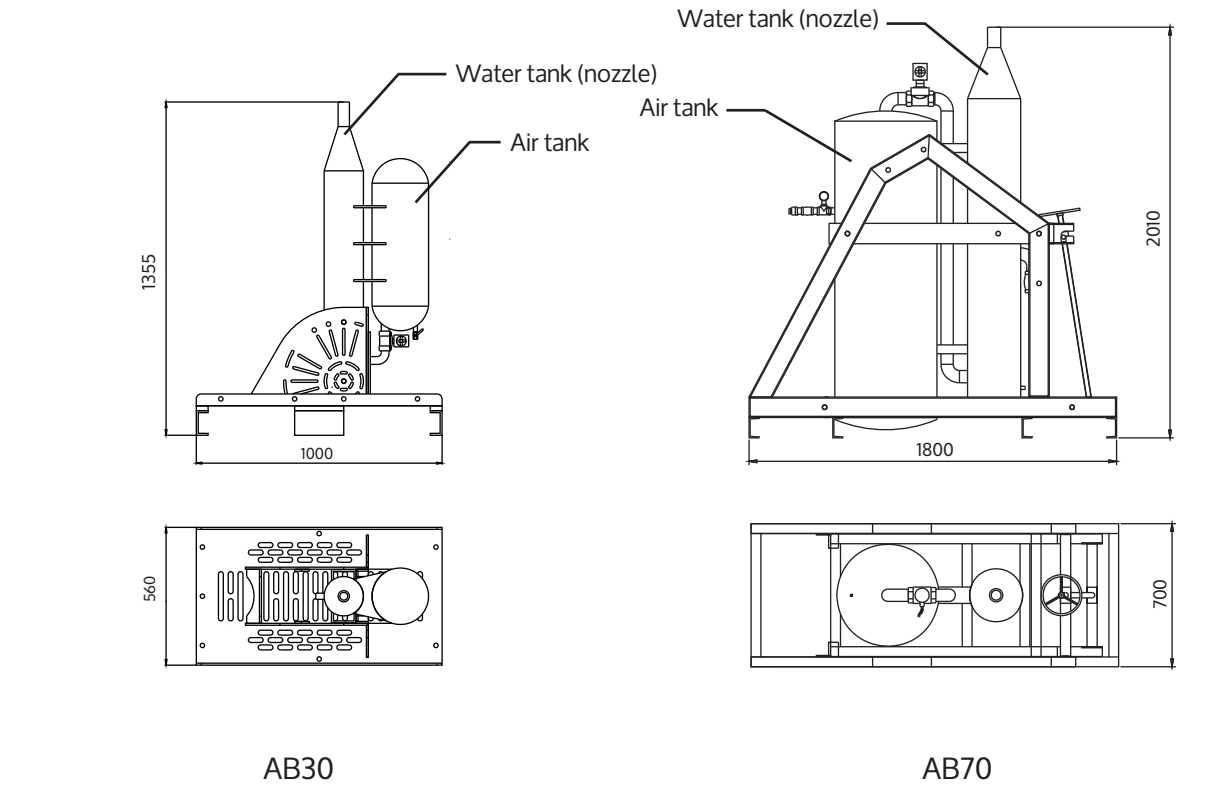
SPECIFICATIONS

- ◆ Stainless steel 304
- ◆ 24V DC
- ◆ Needs to be connected to an air compressor
- ◆ DMX control system can be used to replenish air in real time.
- ◆ Available for underwater and dry installation
- ◆ Equipped with a screw mechanism for easy angle adjustment



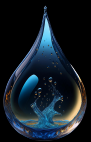
DIMENSIONS

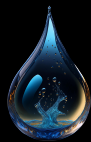
Unit: mm



Performance

Type	AB30	AB70
Dimension=L×W×H(mm)	1000×560×1355	1800×700×2010
Weight(kg)	97	310
Flow rate(L/One time) Max.	25	80~100
pressure demand(bar) Max.	185 30	
spray height(m)		70
Angle(°) Spray	0°、 15°、 30°	0°、 30°
time(ms) Water	400	400
inlet Air inlet	G1"	G1 1/2"
	G3/8"	G1"
Input voltage(V)	24V DC	
Rated current(A)	0 83 Stainless	
Material	steel 304	





Digital Variety Jet

DVJ50



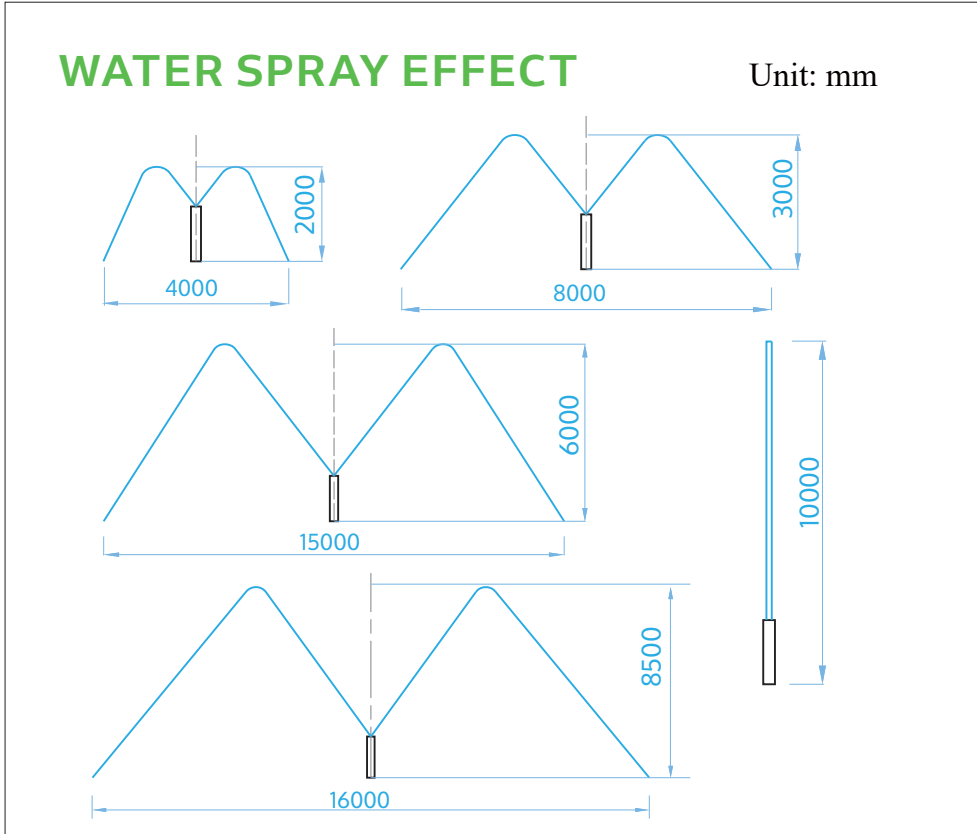
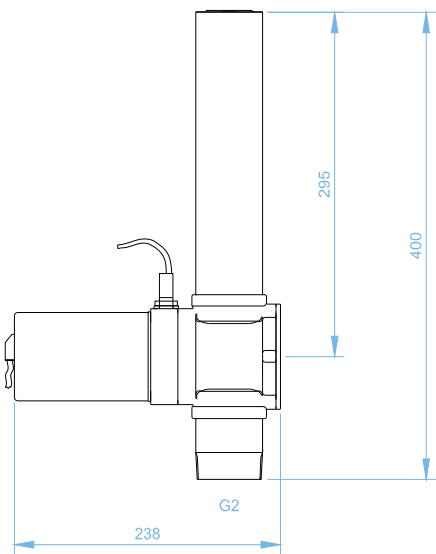
Digital Variety Jet is to transform the digital pulse signal sent out by the control system into the reciprocating motion of the water baffle mounted on the control system by a special precise mechanism, thus forming two kinds of water forms: direct and scattering. The motion stroke and speed can be controlled digitally by the control system, which has the advantages of large output torque, digital control and accurate motion.

Through the change of motion stroke and speed, the scattered water forms can form different forms from 0 to 180 degrees, create a wonderful water performance.



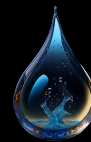
DIMENSIONS

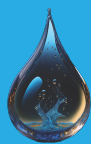
Unit: mm



PERFORMANCE

Type	DVJ50
Material	Stainless steel 304
Stepper motor voltage	80V AC
Stepper motor power	150W
DMX Driver input voltage	24V DC
Sensor input voltage Max	24V DC
spray high Flow rate(m³/h)	10M 20
Max. pressure demand(bar)	2
Sensor type Inlet(Outside Thread)	NPN G2"
DMX signal range	1-76 (Variation range)
Minimum time to complete a change	0.75s



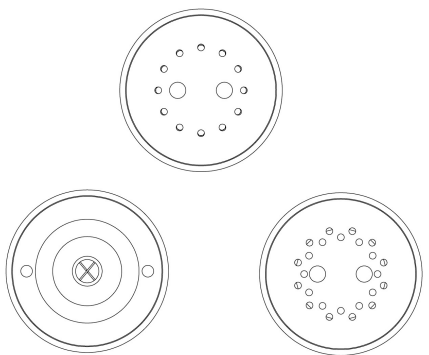
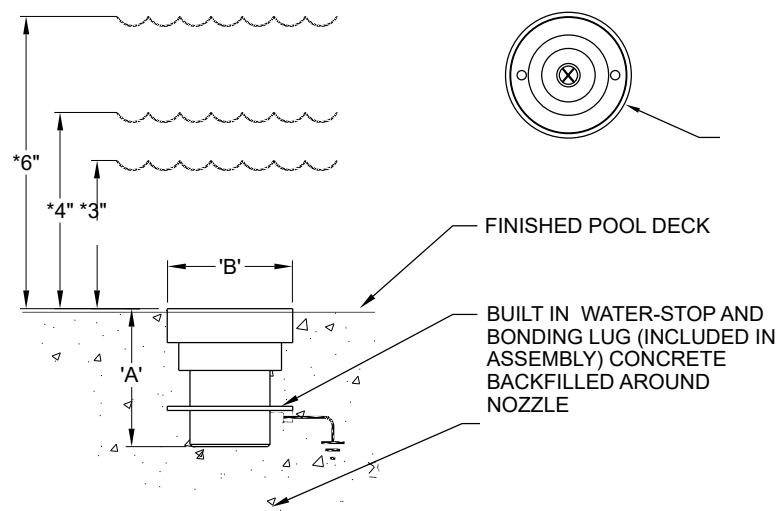


N-FM-100 Flush Mount Nozzle(Zero Entry)



N-FN-100 ELEVATION

RECESSED TOP FOR EASE OF REMOVAL

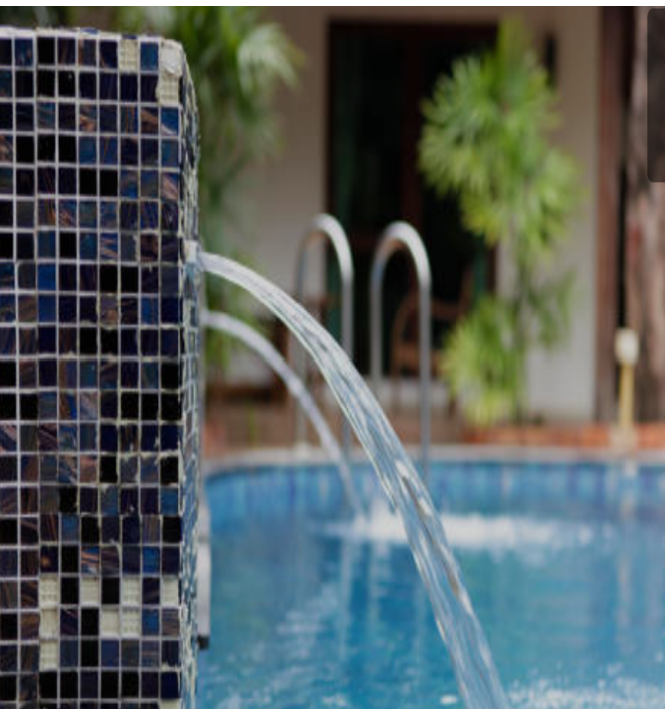


TECHNICAL AND HYDRAULIC DATA									
		DIMENSIONS		SPRAY HEIGHT/PERFORMANCE					
MODEL NO.	(F) N.P	'A'	'B'	*SUBM. (INCHES)		8"	12"	18"	24"
N-FM-100	1"	2-5/16"	2-5/8"	6"	GPM	22	25	34	44
					HEAD (ft.)	14'	20'	30'	38'
				4"	GPM	18	21	29	36
					HEAD (ft.)	8'	12'	19'	26'
				3"	GPM	16	19	23	29
					HEAD (ft.)	7'	11'	16'	23'

SPECIFICATION DATA: Flush Foam Nozzle has machined brass or stainless steel construction, machined jet orifices, a removable recessed cap for ease of cleaning, with built in waterstop fitting and a 1" (f) N.P.T. threaded connection. When submerged, this water level dependent nozzle creates a vertical mound of water that pushed through shallow water.

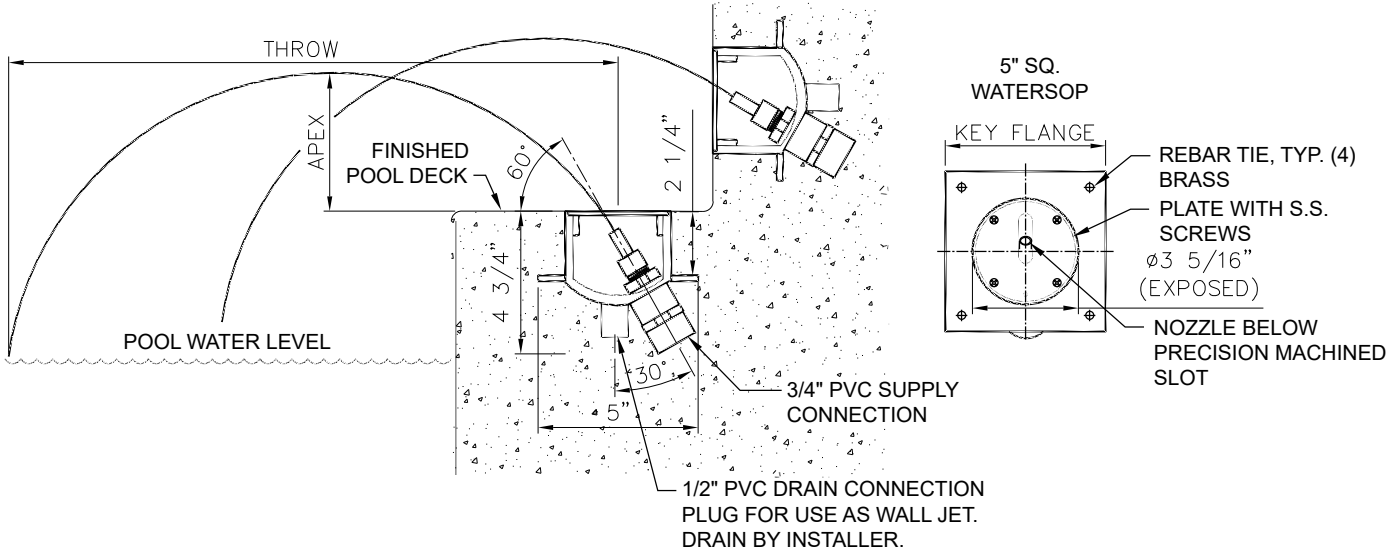
- NOTES:**
1. Available in Brass or Stainless Steel
 2. Nozzle Interchangeable in the field

N-WJDJ Waterjet/Deckjet



ELEVATION

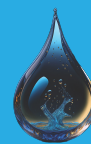
PLAN VIEW

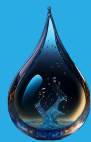


HYDRAULIC DATA											
Product Name	PVC Socket Size	Orifice Size	Throw Angle		Distance	6'	8'	10'	12'	14'	16'
			Min	Max	Apes @ 45°	1.5'	2'	2.5'	3'	3.5'	4'
NWJDJ-PDJ-187	3/4"	3/16"	45°	75°	Gpm	1.3	1.5	1.8	2.1	2.2	2.3
NWJDJ-PDJ-250	3/4"	1/4"	45°	75°	Gpm	2.0	2.5	2.8	3.1	3.4	3.6
NWJDJ-PDJ-312	3/4"	5/16"	45°	75°	Gpm	2.6	3.0	3.6	4.2	5.1	6.0

SPECIFICATION DATA: The Precision 'Deck Jet' assembly includes a high-strength Schedule 40 thermoplastic niche body with an integrated waterstop/key flange, rebar attachment holes, and a brass adjustable precision jet. It features a flush brass cover plate secured with stainless steel fasteners, a 3/4" PVC socket supply connection, and a 1/2" PVC spigot drain connection.

- NOTES:**
1. Orifice sizes are interchangeable in the field
 2. Requires PVC primer and HD PVC Glue
 3. Works with standard filter screening
 4. Faceplate available in Brass and Stainless Steel





Comet Nozzles



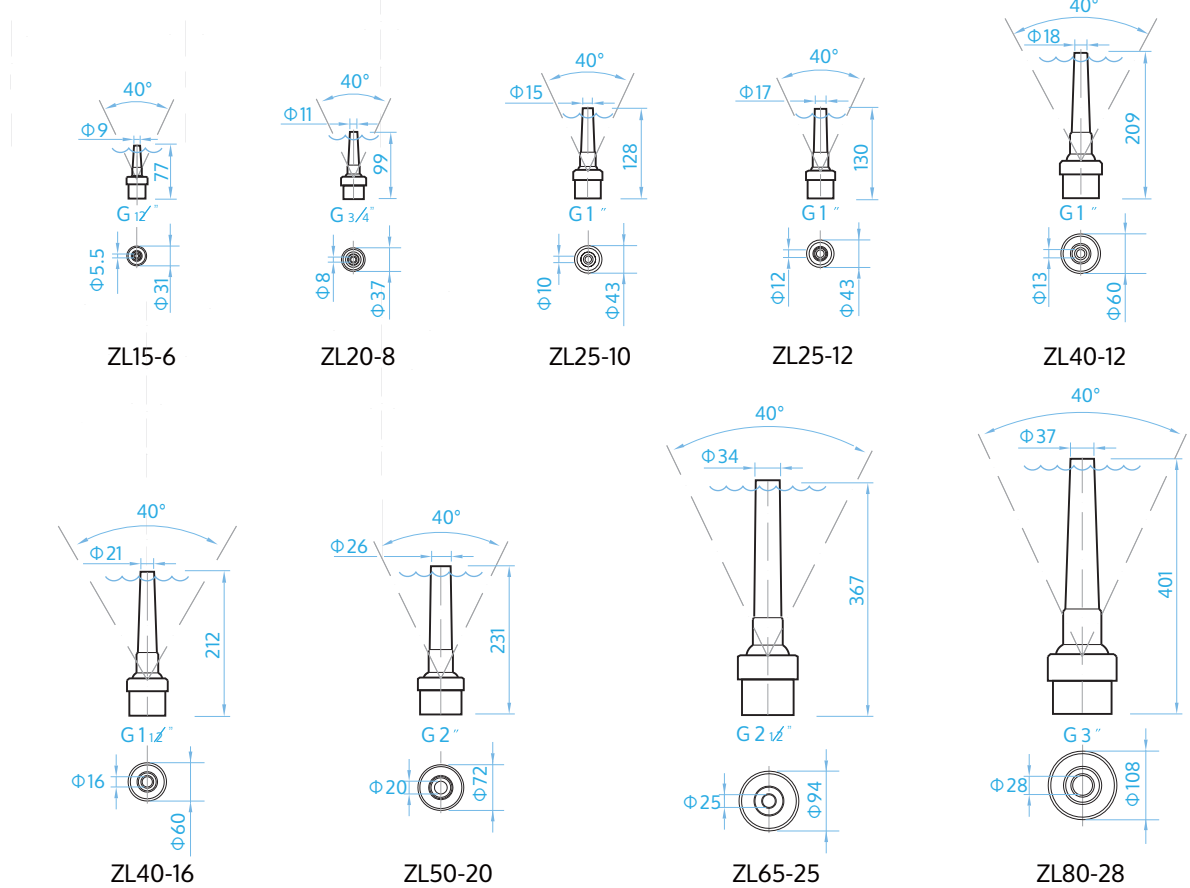
CHARACTERISTICS

- ◆ Stainless steel 304
- ◆ Clear stream jet
- ◆ Good resistance to wind
- ◆ With flow regulator
- ◆ Water level independent (Below recommended water level)
- ◆ Adjustable spray angle

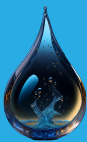


DIMENSIONS

Unit: mm



Note: For best results, it is recommended not to exceed the water level in the figure.



Comet Nozzles



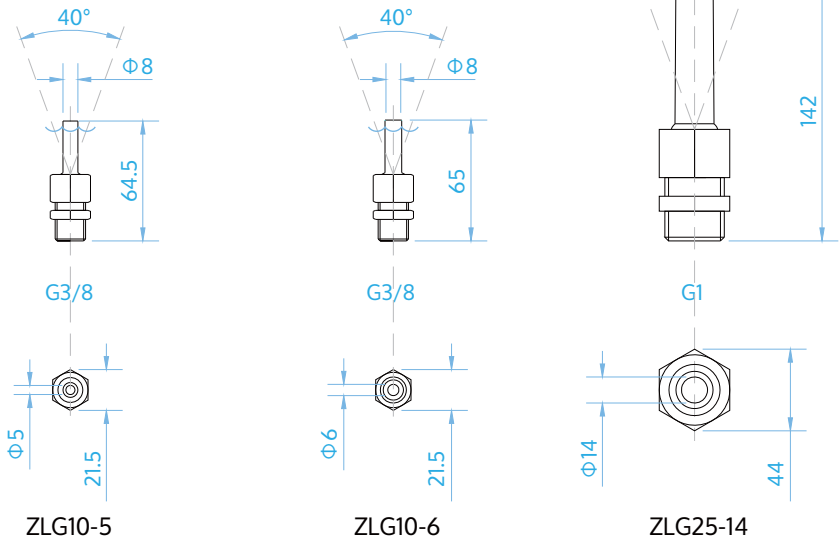
CHARACTERISTICS

- Stainless steel 304
- Clear stream jet
- With flow regulator
- Water level independent (Below recommended water level)
- Adjustable spray angle



DIMENSIONS

Unit: mm



Note: For best results, it is recommended not to exceed the water level in the figure.

Foam Nozzles



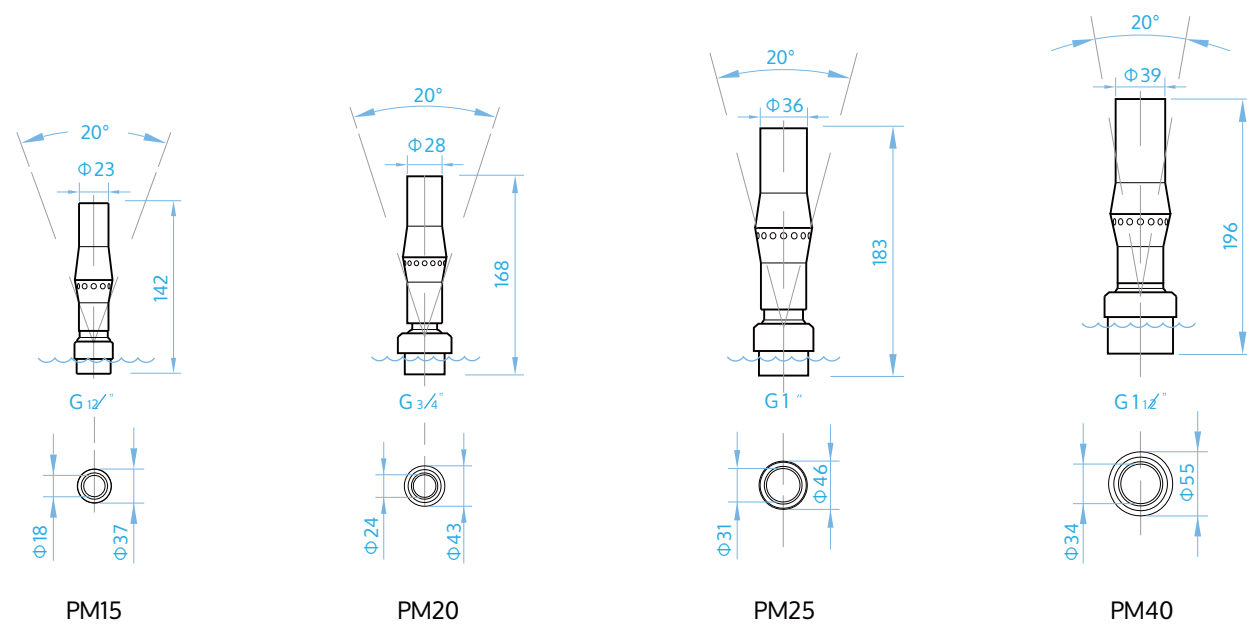
CHARACTERISTICS

- ◆ Stainless steel 304
- ◆ Foamy jet
- ◆ Good resistance to wind
- ◆ With flow regulator
- ◆ Water level dependent (Below recommended water level)
- ◆ Adjustable spray angle

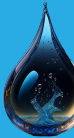
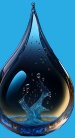


DIMENSIONS

Unit: mm



Note: For best results, it is recommended not to exceed the water level in the figure.



Foam Nozzles



CHARACTERISTICS

- Stainless steel 304 shell (BG25P)
- Stainless steel 304 (BG25,BG40,BG50)
- Foamy jet
- Good resistance to wind
- Water level dependent
- Optional swivel connector



BG25P



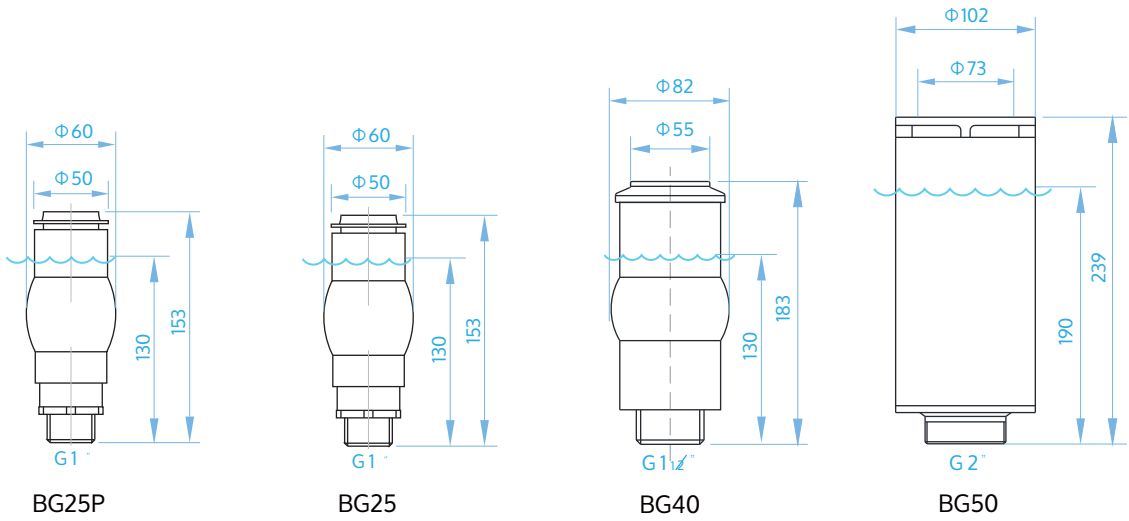
BG25

BG40

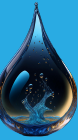
BG50

DIMENSIONS

Unit: mm



Note: The water levels in the chart are the optimal levels we recommend.



Foam Nozzles

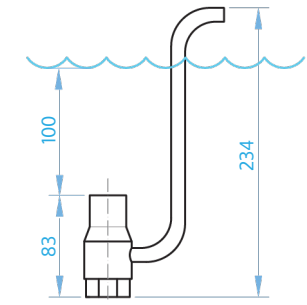


CHARACTERISTICS

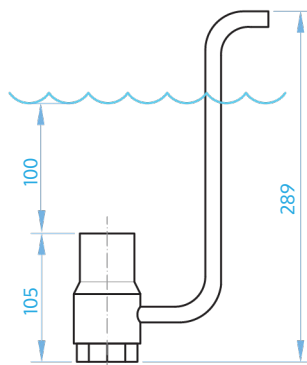
- Stainless steel 304
- ◆ A mound of aerated water at low levels with a splashy frothy column at high levels
- ◆ Water level dependent

DIMENSIONS

Unit: mm



BE25
G1



BE40
G1/2

Note: For best results, it is recommended not to exceed the water level in the figure.



Water Bell Nozzles

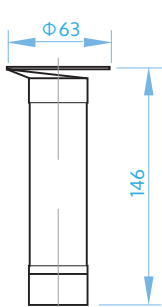


CHARACTERISTICS

- Stainless steel 304
- Transparent water film
- Adjustable bell diameter
- Silent running

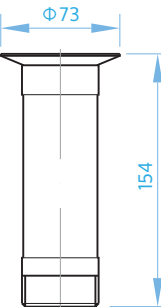
DIMENSIONS

Unit: mm



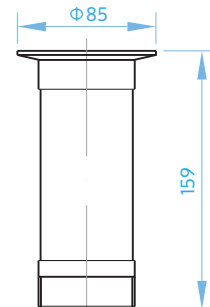
G1"

MN25



G1 1/2"

MN40



G2"

MN50

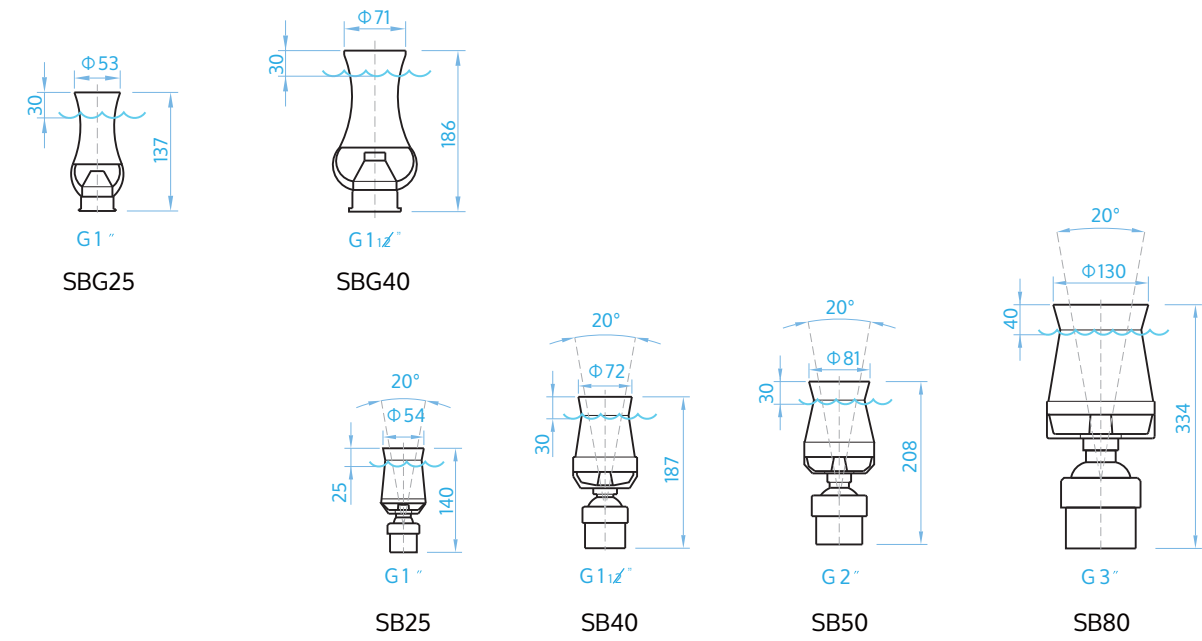


Cascade Nozzles



DIMENSIONS

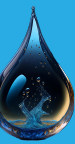
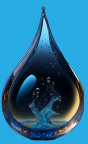
Unit: mm



Note: The water levels in the chart are the optimal levels we recommend.

CHARACTERISTICS

- Stainless steel 304
- Cone-shaped effect
- Foamy effect with rich mixture of air
- Water saving
- Water level dependent
- SB series with adjustable spray angle
- SBG series with non-adjustable spray angle



Fan Nozzles



CHARACTERISTICS

- Stainless steel 304
- A fan shaped display
- Display a fan-shaped spray pattern with an angled installation.
- Water level independent (Below recommended water level)

Flat Nozzles

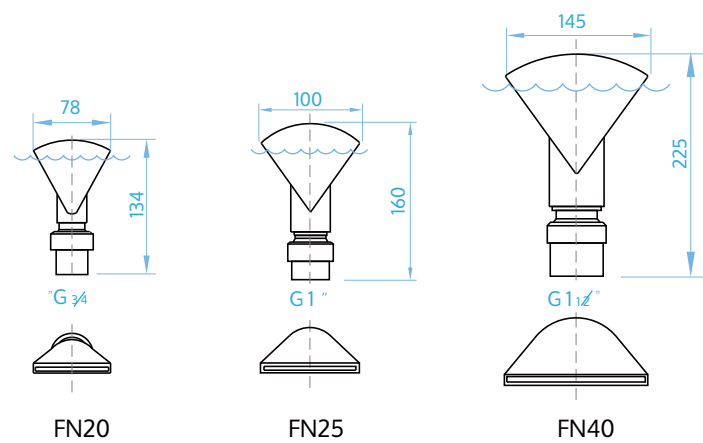


CHARACTERISTICS

- Stainless steel 304
- A flat shaped display
- Display an ideal parabolic spray pattern with an angled installation.
- Water level independent (Below recommended water level)

DIMENSIONS

Unit: mm

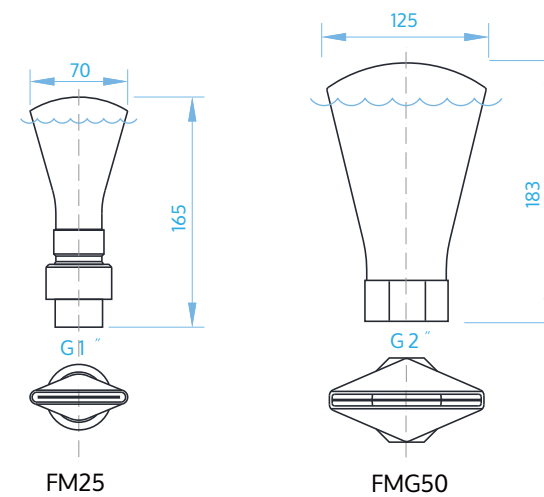


Note: For best results, it is recommended not to exceed the water level in the figure.

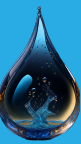
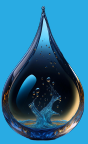


DIMENSIONS

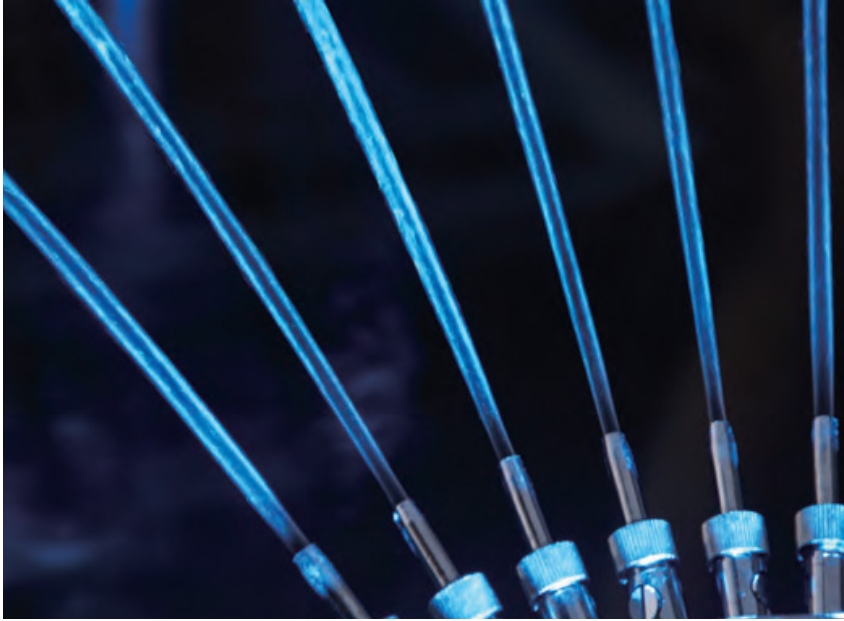
Unit: mm



Note: For best results, it is recommended not to exceed the water level in the figure.



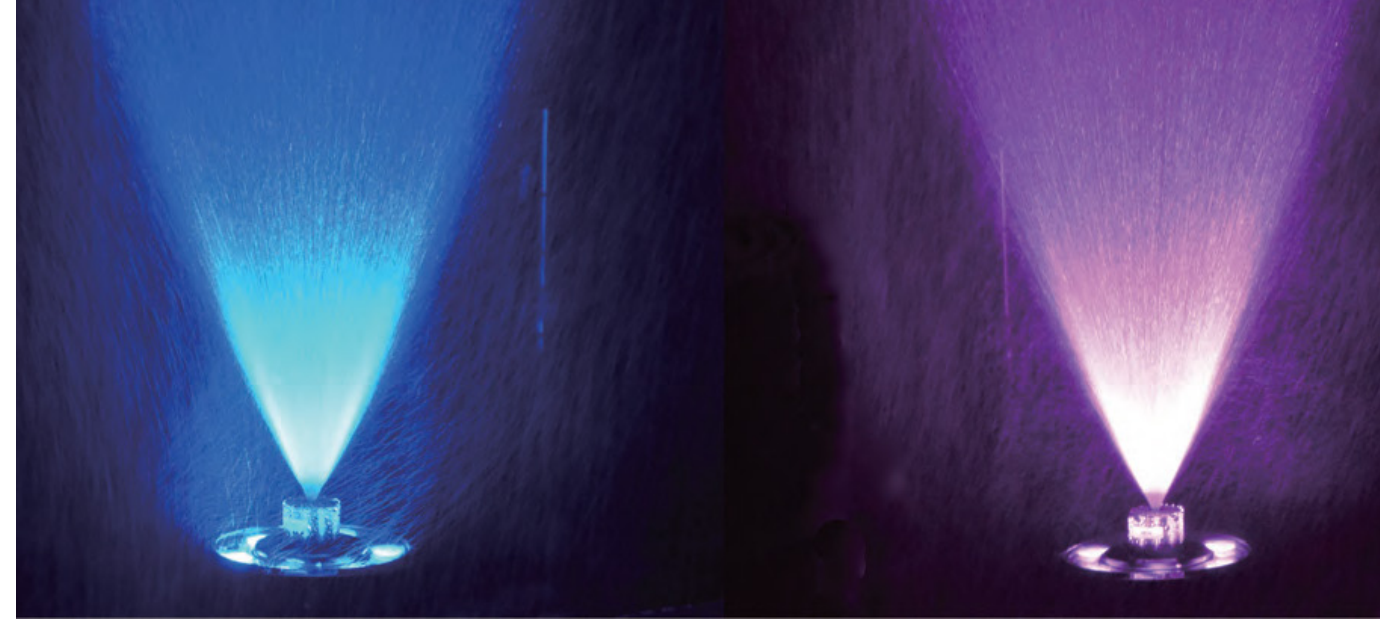
Finger Nozzles



CHARACTERISTICS

- Stainless steel 304 (FRG series)
- Stainless steel 304 / Brass plated chrome (FR series)
- A finger-like fan shaped display
- FR series can be used vertically or angled to provide a decorative water display

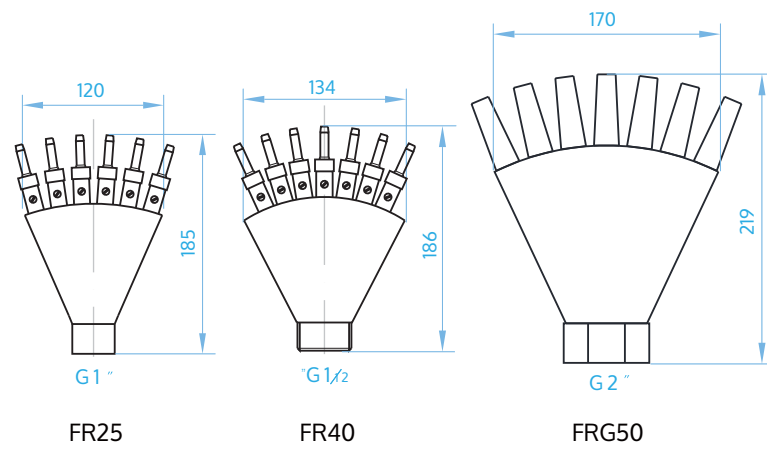
Water Fog Nozzles



3

DIMENSIONS

Unit: mm



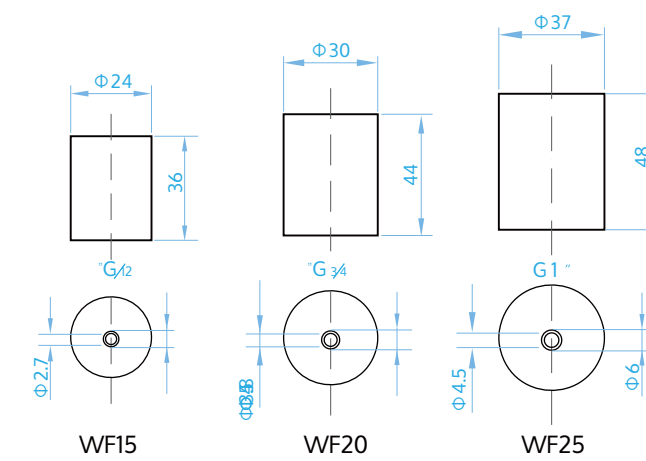
FRG Series



FR Series

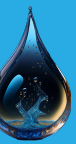
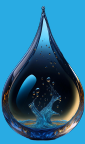
DIMENSIONS

Unit: mm



CHARACTERISTICS

- Stainless steel 304
- Misty romantic water display



Spinning Nozzle



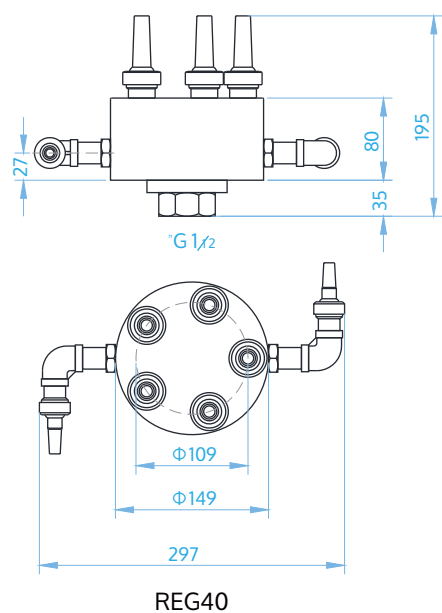
CHARACTERISTICS

- Stainless steel 304
- Rotating water pattern
- Various water effects can be produced by adjusting the angle of the nozzle

4 6.0

DIMENSIONS

Unit: mm



REG40



Hollow Nozzle

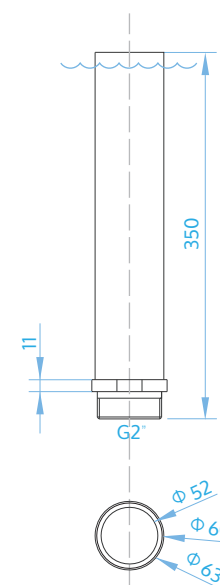


CHARACTERISTICS

- Stainless steel 304
- Wind-stable high jet
- Significantly reduced water demand compare to full-jet nozzles
- With flow director
- Water-level independent (Below recommended water level)

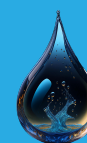
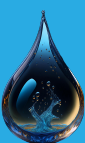
DIMENSIONS

Unit: mm

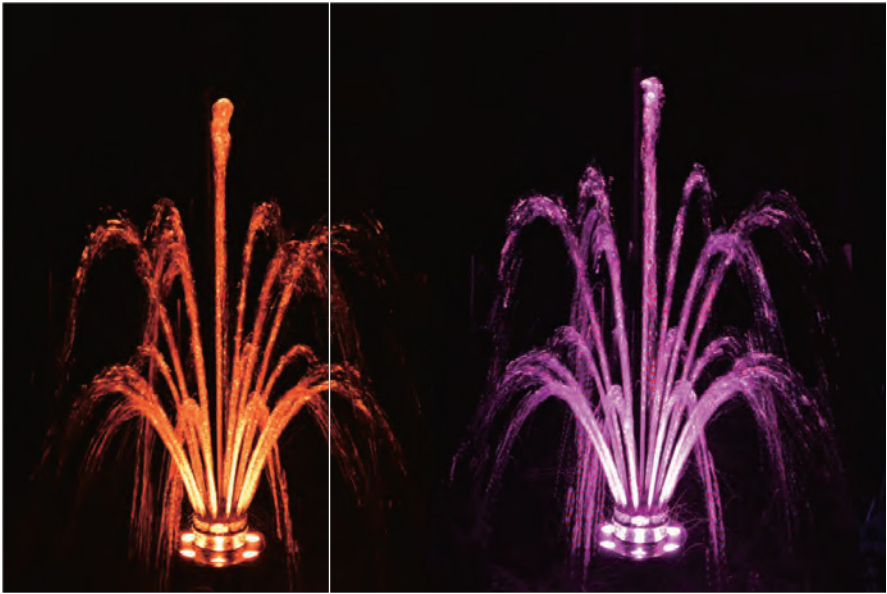


KX50

Note: For best results, it is recommended not to exceed the water level in the figure.



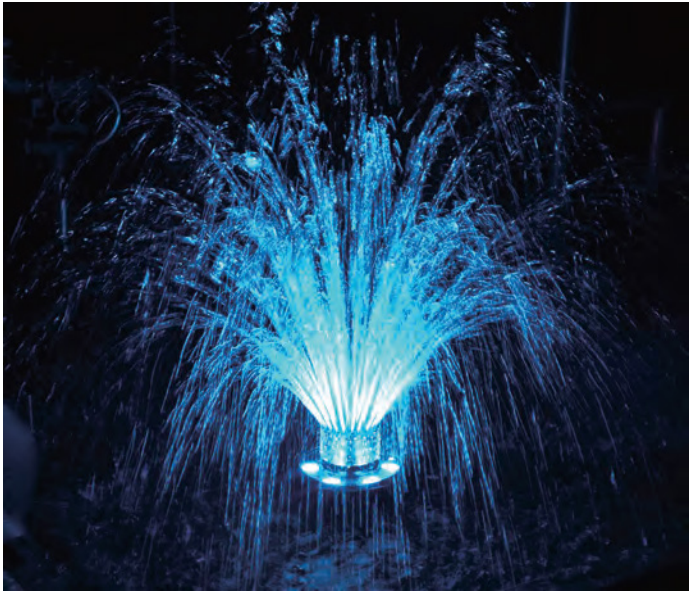
Cluster Nozzle



CHARACTERISTICS

- Stainless steel 304
- ◆ Precise full stream
- ◆ Multi-stepped water pattern
- ◆ Easy to clean

Cluster Nozzles



CHARACTERISTICS

- Stainless steel 304
- Precise full stream
- Multi-stepped water pattern
- Easy to clean

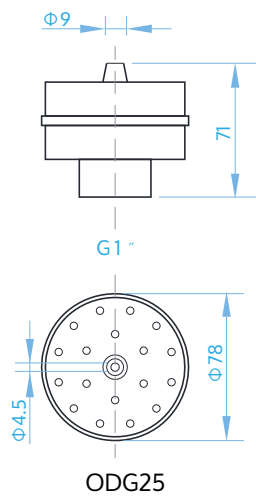
PERFORMANCE

Type	FK25		FK40	
Wt.	0.55		0.58	
Ht.	Q	P	Q	P
m	lpm	bar	lpm	bar
0.25	38	0.03	56	0.03
0.5	49	0.05	76	0.05
0.75	64	0.08	104	0.08
1	75	0.12	110	0.10
1.5	94	0.20	143	0.20

- Wt. = Weight (kg)
- Ht. = Spray height (m)
- P = Pressure demand (bar)
- Q = Flow rate (lpm)

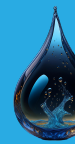
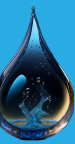
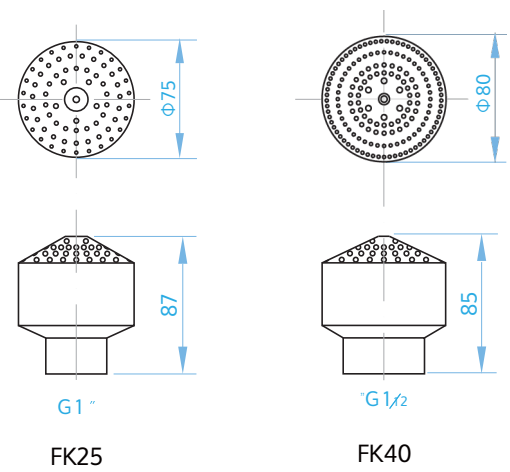
DIMENSIONS

Unit: mm



DIMENSIONS

Unit: mm



Cluster Nozzles



CHARACTERISTICS

- Stainless steel 304 / Brass plated chrome (FP25)
- Stainless steel 304 (FP40, FP50)
- Precise full stream
- Multi-stepped water pattern
- Easy to clean

Cluster Nozzles

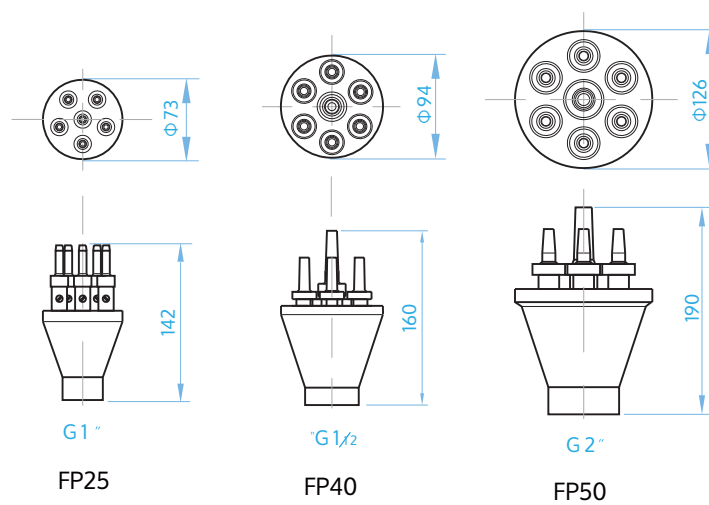


CHARACTERISTICS

- Stainless steel 304 / Brass plated chrome
- Precise full stream
- Multi-stepped water pattern

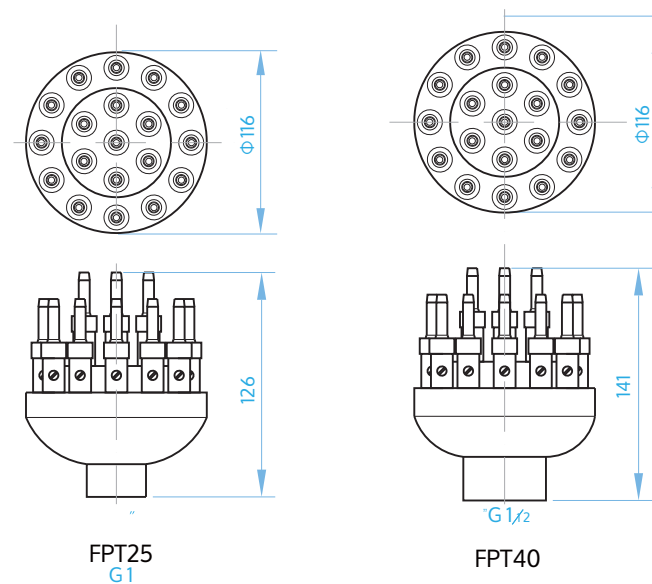
DIMENSIONS

Unit: mm



DIMENSIONS

Unit: mm



Annular Nozzles

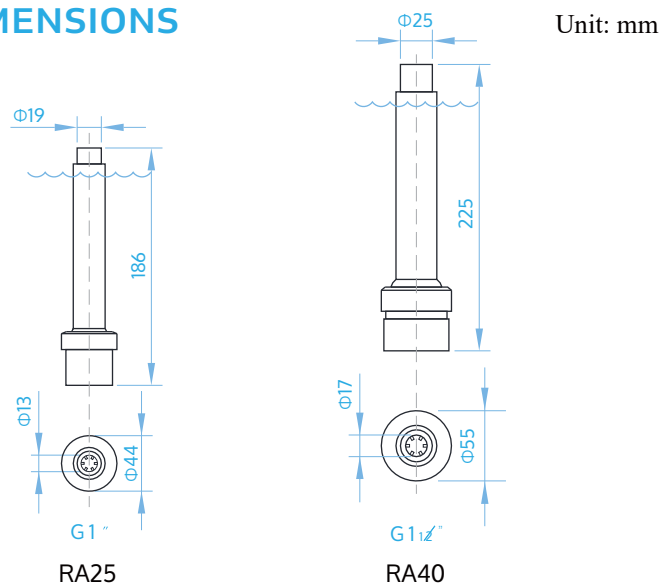


CHARACTERISTICS

- Stainless steel 304
- Easy to clean
- Water level independent

(Below recommended water level)

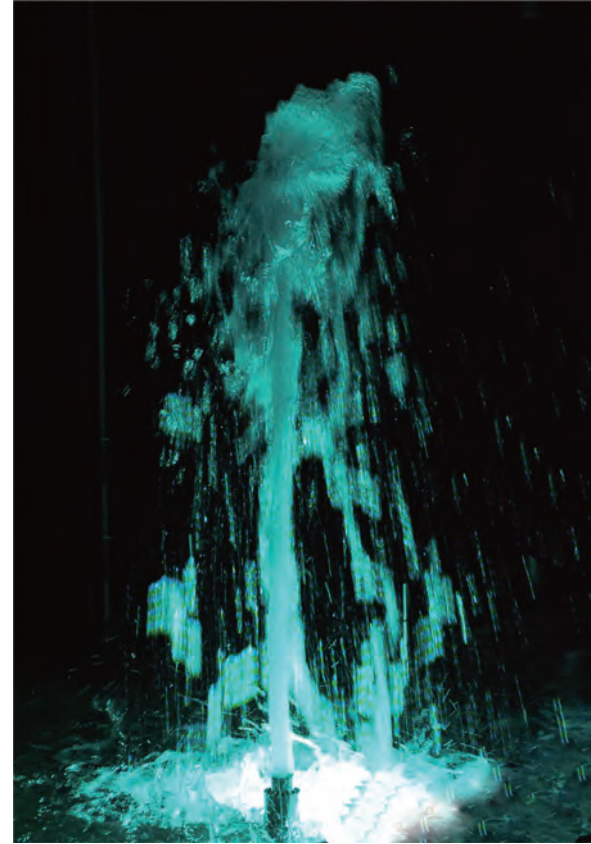
DIMENSIONS



Note: For best results, it is recommended not to exceed the water level in the figure.



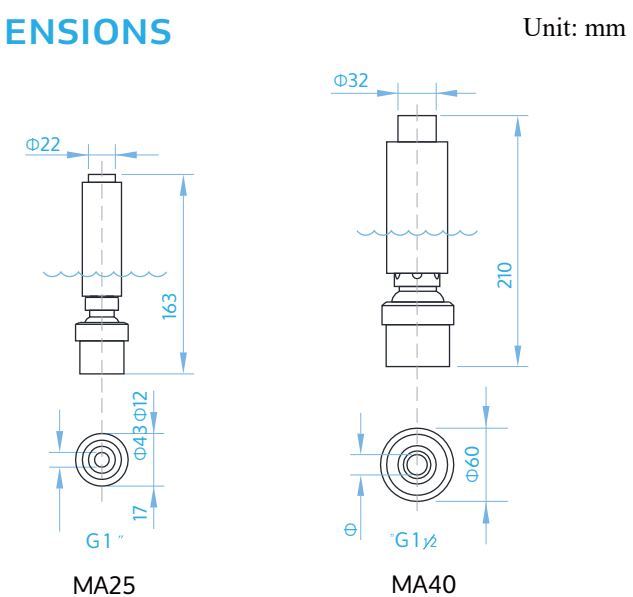
Aerated Nozzles



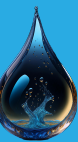
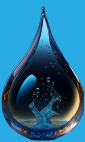
CHARACTERISTICS

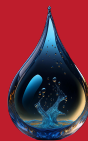
- Stainless steel 304
- Easy to clean
- Water level dependent

DIMENSIONS



Note: The water levels in the chart are the optimal levels we recommend.



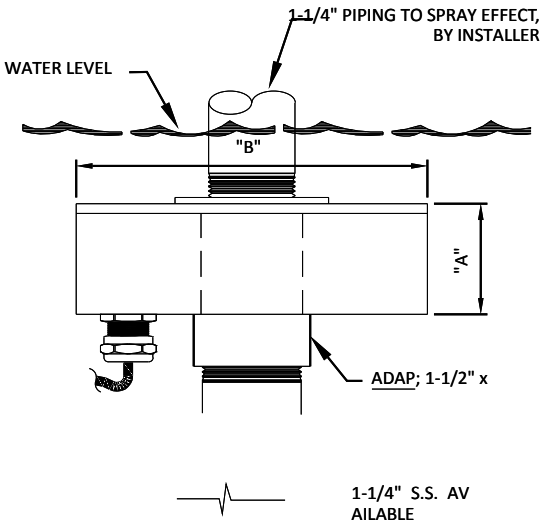


LED-RING-40-RDM/DMX



Fixture Dimensions	[A] 1.4", .125" Diameter
Submersible Rating Input	6.5 feet
Voltage Cable/Length	24VDC
Power Usage Dimming	20 feet- 18/5
Capability Color	40 watts
LED Diode Quantity Beam	Yes
Angle	RGBW DiodesRDM-DMX (4000K White)
Lens Material Fixture	10 (4 watts each)
Construction Fixture seal	10,30,45 Degrees (fixed)
Application Location LED	Tempered Glass
Diode Lifespan Warranty	Type 316L stainless steel (light fixture & yoke) Silicone
	Underwater, Wet or Dry
	~ 50,000 hours
	1 year

Certifications/Standards UL Listed, cUL Listed, CSA, IP68

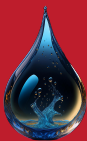


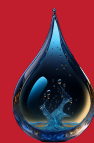
TECHNICAL DATA							
MODEL NO.	LIGHT SOURCE	LIGHT COLOR	BEAM ANGLE	INPUT VOLTAGE	WATTS	CABLE TYPE	IP RATING
LED-RING-40-RDM/DMX	10X4W RGBW DIODES	RGBW	10,30,45	24VDC	40	18-5 AWG SOW	68
LED-RING-40-BOARD	10X4W RGBW DIODES	RGBW		24VDC	40	N/A	

SPECIFICATION DATA: Small diameter, low profile LED submersible light fixture with center sleeve feature for nozzle riser mounting ★ (See important Adapter Note above!); high output LED diodes, stainless steel housing and fasteners, tempered glass lens, silicone lens gasket, chromed brass cord entrance fitting; 9 ft. of 18 AWG SOW cable (available with additional cord length).

DESIGN/APPLICATION DATA: Any fountain application where 360° illumination of a spray nozzle is required with a high output LED submersible light fixture.

NOTES: 1. 24VDC Power supply required to operate fixtures. Contact factory for requirements.
2. 'DMX' Controller required to operate 'RGBW' fixtures





Small Type Recessed LED Pool Light

HX69B-3

Symmetrical



Warning:

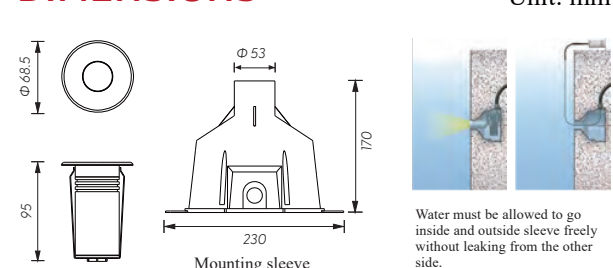
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

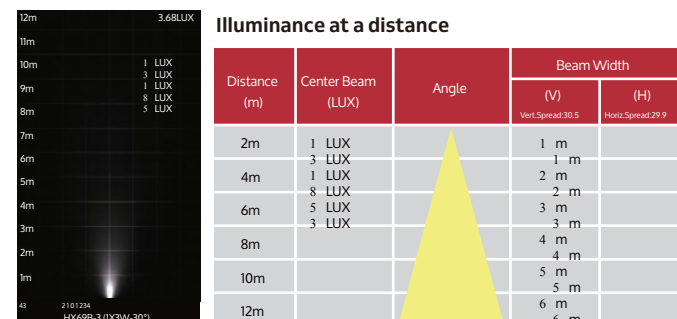
The recessed underwater light series is your solution to tight spaces. Whether installed free-standing or recessed, the HX69B provides sufficient illumination for most residential and indoor water features. This compact fixture is easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.

DIMENSIONS

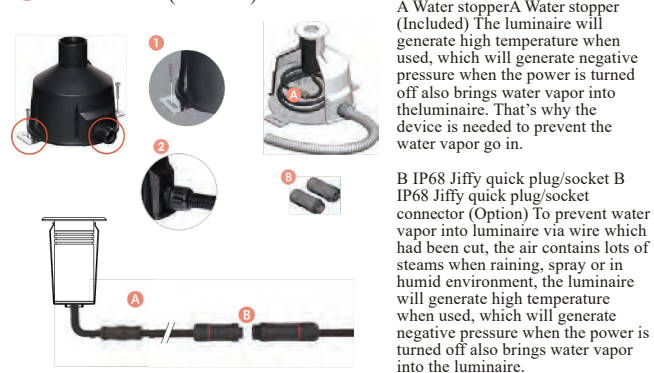


SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: step tempered glass. T=7mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle: 9°, 15°, 20°, 30°, 45°, 60°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity $\geq 2.0 \text{ w/mk}$
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Power cable: 3m STW 18AWG



SLEEVE (Included)



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX69B-3	1x3W	30°	24V DC	110	2.6	Cool white=174 Warm white=139	06

Small Type Recessed LED Pool Light

HX69B-3T

Symmetrical



Warning:

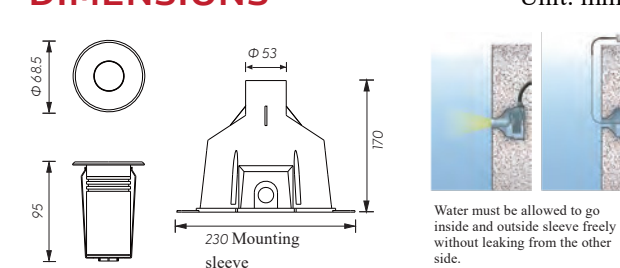
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

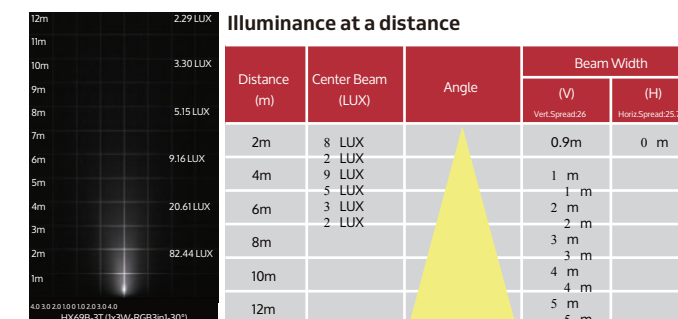
The recessed underwater light series is your solution to tight spaces. Whether installed free-standing or recessed, the HX69B provides sufficient illumination for most residential and indoor water features. This compact fixture is easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.

DIMENSIONS

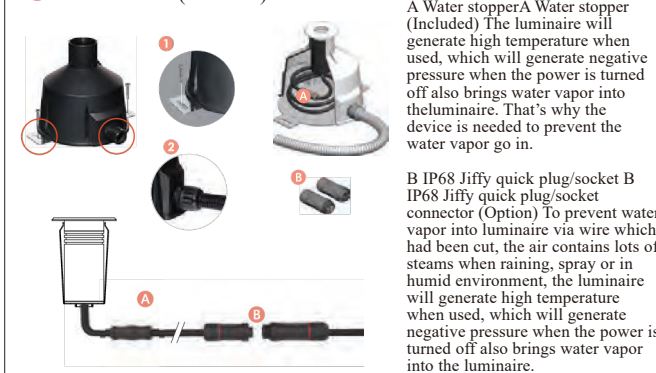


SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: step tempered glass. T=7mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity $\geq 2.0 \text{ w/mk}$
- ◆ Application environment: temperature of water between $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Power cable: 3m STW 18AWG



SLEEVE (Included)



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX69B-3T	1x3W RGB 3in1 Full color	30°	24V DC	R=48 G=62 B=62	4.1	103	06



Small Type Recessed LED Pool Light

HX69B-3E
Asymmetrical

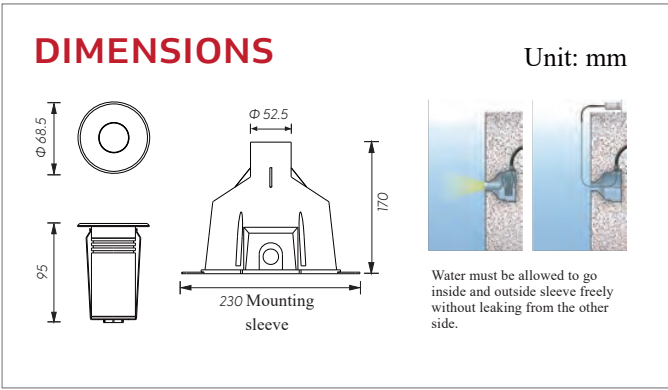


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



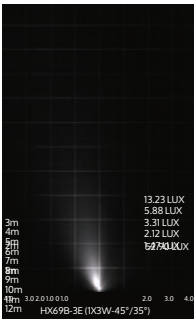
DESCRIPTION

The recessed underwater light series is your solution to tight spaces. Whether installed free-standing or recessed, the HX69B provides sufficient illumination for most residential and indoor water features. This compact fixture is easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: step tempered glass. T=7mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20°C~40°C less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	5 LUX 1 LUX		1.0m	0.8m
4m	5 LUX 3 LUX		1.9m	1.6m
6m	3 LUX 2 LUX		2.9m	2.4m
8m	1 LUX		3.8m	3.2m
10m			4.8m	4.0m
12m			5.7m	4.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX69B-3E	1x3W	45°/35°	24V DC	110	2.6	Cool white=143 Warm white=115	06

Wall Recessed LED Pool Light



HX135B-S12
Symmetrical



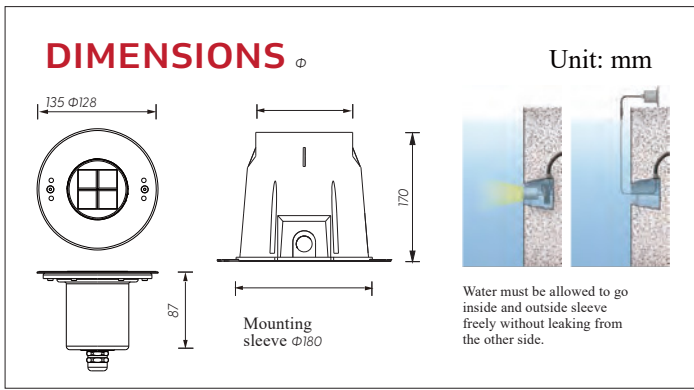
Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

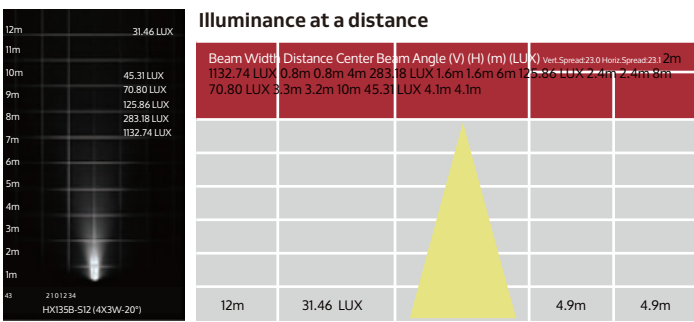
The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool. The HX135B is the most compact in the series. Perfect for lighting shallow pools and spas as well as water displays up to a 2-metre spray height, its robust construction allows it to be installed in walls and on floors.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle:20°, 30°, 50°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20°C~40°C less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75°C
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



SLEEVE (Included)

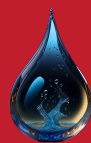
A Water stopper
B IP68 Jiffy quick plug/socket connector

A Water stopper (Included)
The luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire. That's why the device is needed to prevent the water vapor go in.

BP68 Jiffy quick plug/socket connector (Option)
To prevent water vapor into luminaire via wire which had been cut, the air contains lots of steams when raining, spray or in humid environment, the luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire.

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX135B-S12	4x3W	20°	24V DC	510	12.2	997	08



Wall Recessed LED Pool Light



HX135B-8T
Symmetrical

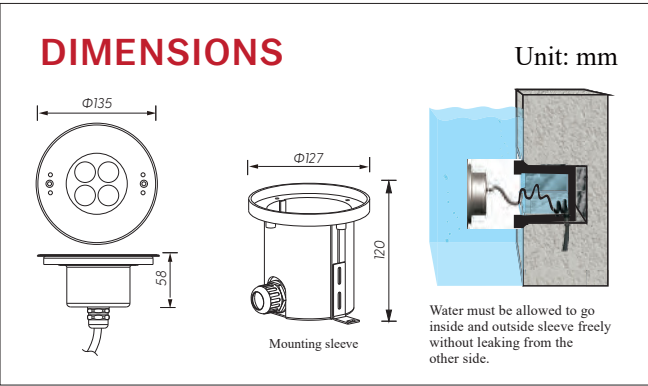


Warning:
Must be installed underwater to prevent being damaged from over heating.



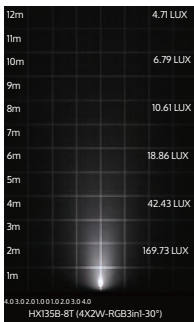
DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool.
The HX135B is the most compact in the series. Perfect for lighting shallow pools and spas as well as water displays up to a 2-metre spray height, its robust construction allows it to be installed in walls and on floors.
All Ideal LED lights can be programmed to dim, colour-change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- Light Window: step tempered glass. T=8mm
- Gasket: silicone gasket
- PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- Application environment: temperature of water between -20°C~40°C, less than 1 meter depth
- Mounting sleeve: PC/ABS ALLOYS
- Cable gland: IP-68 PG-11 copper with nickel-coated
- Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam Angle (°)	Beam Width (m)	Illuminance (LUX)	
			(V)	(H)
2m	169.73 LUX	0.8m	0.7m	4m
4m	42.43 LUX	1.7m	6m	18.86 LUX
2.5m	2.1m	8m		
10.61 LUX	3.3m	2.8m	10m	6.79 LUX
4.1m	5m			
12m	4.71 LUX			
		5.0m		4.2m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX135B-8T	4x2W RGB 3in1 Full color	30°	24 VDC	R=200 G=215 B=215	15	262	08

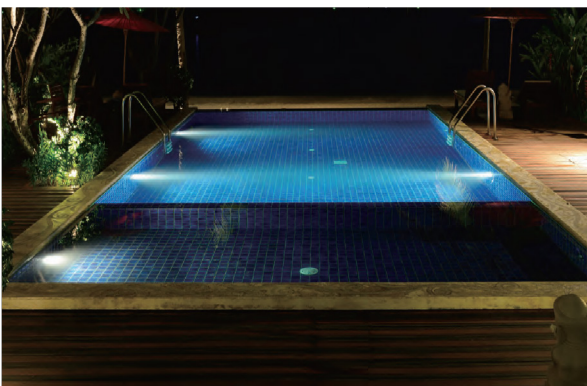
Wall Recessed LED Pool Light



HX135B-S12E
Asymmetrical

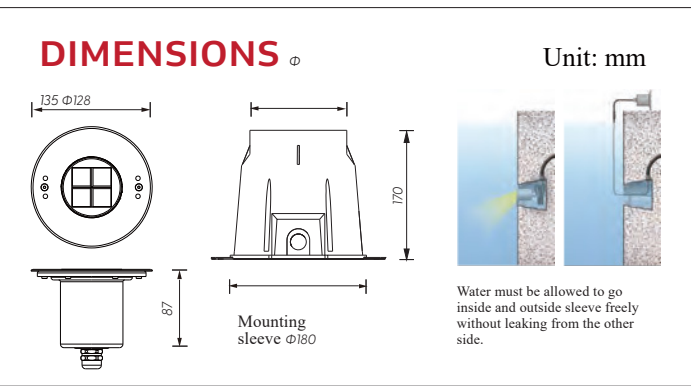


Warning:
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool.
The HX135B is the most compact in the series. Perfect for lighting shallow pools and spas as well as water displays up to a 2-metre spray height, its robust construction allows it to be installed in walls and on floors.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.

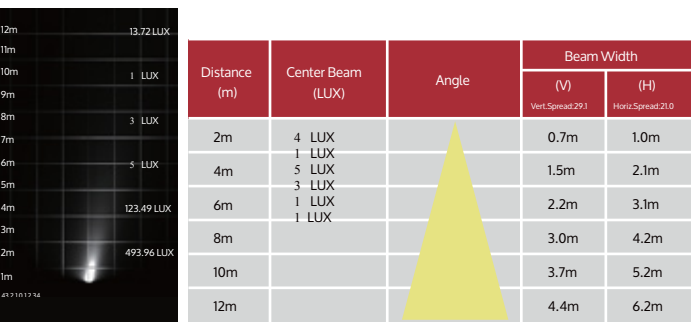


SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle:10°×14°, 21°×29°
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20°C~40°C less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75°C
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

PERFORMANCE

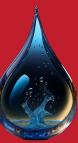
Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX135B-S12E	4x3W	21°×29°	24V DC	510	12.2	926	08



SLEEVE (Included)

A Water stopperA Water stopper (Included) The luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire. That's why the device is needed to prevent the water vapor go in.

BP68 Jiffy quick plug/socket connectIP68 Jiffy quick plug/socket connector (Option) To prevent water vapor into luminaire via wire which had been cut, the air contains lots of steams when raining, spray or in humid environment, the luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire.



Wall Recessed LED Pool Light



HX180B-S18
Symmetrical



Warning:
Must be installed underwater to prevent being damaged from over heating.



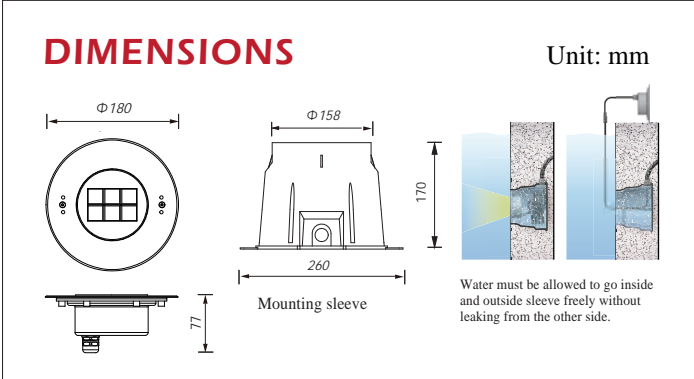
DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool.

The HX180B is ideal for lighting wading pools and spas as well as water displays up to a 5-metre spray height.

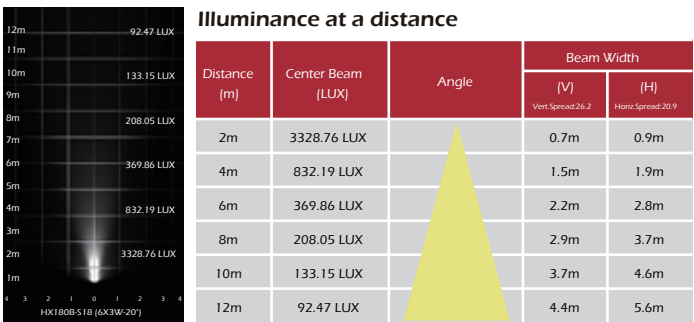
Its robust construction allows it to be installed in walls and on floors.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle:20°, 30°, 50°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75℃
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX180B-S18	6x3W	20°	24V DC	1020	24.5	1354	08

Wall Recessed LED Pool Light



HX180B-12T
Symmetrical



Warning:
Must be installed underwater to prevent being damaged from over heating.

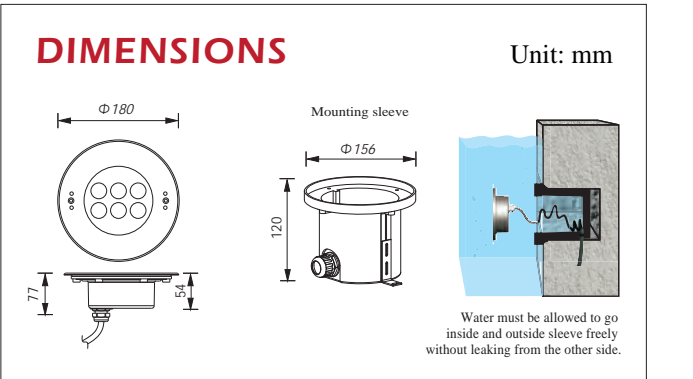


DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool.

The HX180B is ideal for lighting wading pools and spas as well as water displays up to a 5-metre spray height. Its robust construction allows it to be installed in walls and on floors.

All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃, less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	307.63 LUX		1.0m	1.0m
4m	76.91 LUX		2.0m	2.0m
6m	34.18 LUX		3.0m	2.5m
8m	19.23 LUX		4.0m	3.5m
10m	12.31 LUX		5.0m	4.5m
12m	8.55 LUX		6.0m	5.5m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX180B-12T	6x2W RGB 3in1 Full color	30°	24V DC	R=300 G=350 B=350	24	547	08

Wall Recessed LED Pool Light



HX180B-S18E
Asymmetrical

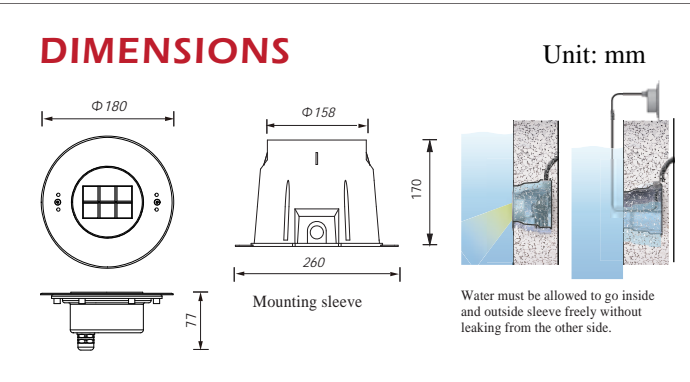


Warning:
Must be installed underwater to prevent being damaged from over heating.



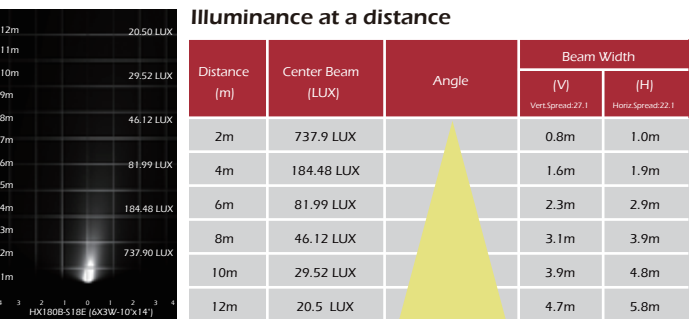
DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool. The HX180B is ideal for lighting wading pools and spas as well as water displays up to a 5-metre spray height. Its robust construction allows it to be installed in walls and on floors. All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle: 10°×14°, 21°×29°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75℃
- ◆ Recessed sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX180B-S18E	6x3W	21°×29°	24V DC	1020	24.5	1210	08

Wall Recessed LED Pool Light



HX205B-S36
Symmetrical

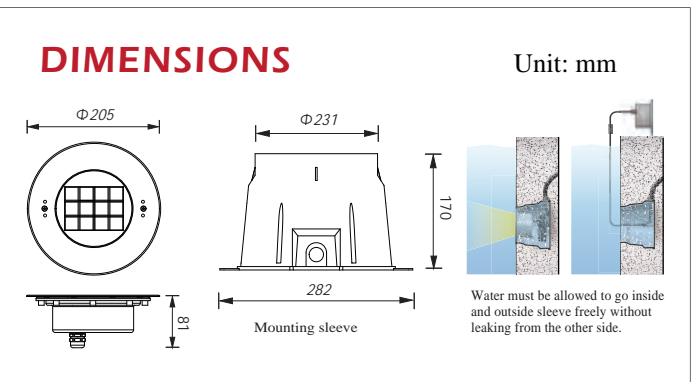


Warning:
Must be installed underwater to prevent being damaged from over heating.



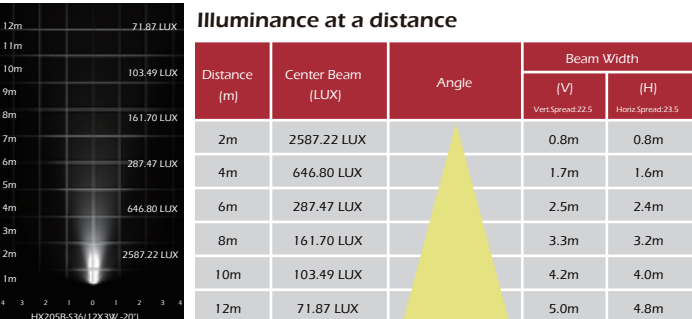
DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool. With a power consumption of only 36W, the HX205B provides powerful yet efficient illumination for swimming pools as well as water displays up to a 8-metre spray height. Its robust construction allows it to be installed in walls and on floors. All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle: 20°, 30°, 45°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75℃
- ◆ Recessed sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX205B-S36	12x3W	20°	24V DC	1520	36.5	2522	08

Wall Recessed LED Pool Light



HX205B-24T
Symmetrical

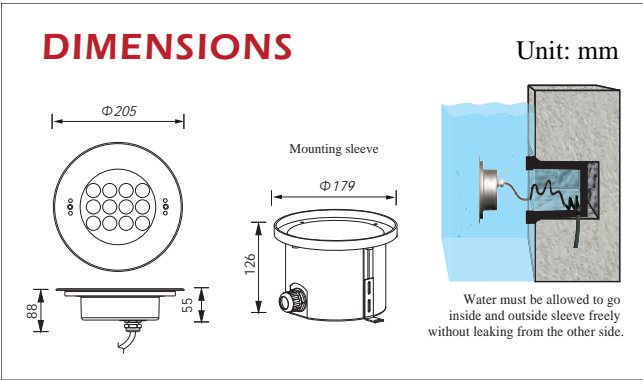


Warning:
Must be installed underwater to prevent being damaged from over heating.



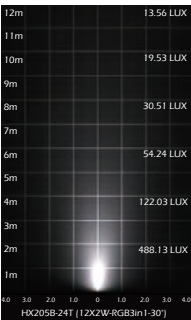
DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool. With a power consumption of only 24W, the HX205B provides powerful yet efficient illumination for swimming pools as well as water displays up to a 8-metre spray height. Its robust construction allows it to be installed in walls and on floors. All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	488.13 LUX		1.0m	1.0m
4m	122.03 LUX		2.0m	2.0m
6m	54.24 LUX		3.1m	3.0m
8m	30.51 LUX		4.1m	4.0m
10m	19.53 LUX		5.1m	5.0m
12m	13.56 LUX		6.1m	6.0m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX205B-24T	12x2W RGB 3in1 Full color	30°	24V DC	R=400 G=500 B=500	33.6	805	08

Wall Recessed LED Pool Light



HX205B-S36E
Asymmetrical

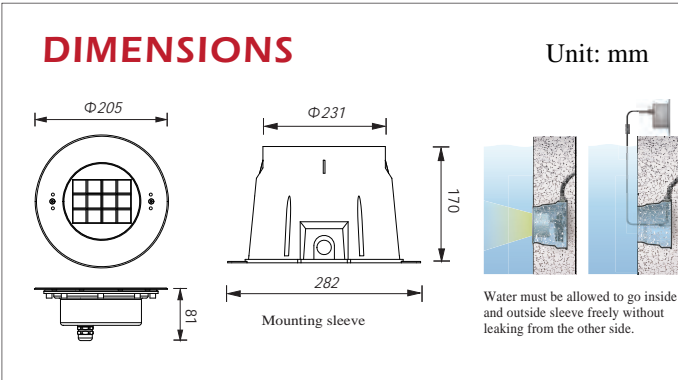


Warning:
Must be installed underwater to prevent being damaged from over heating.



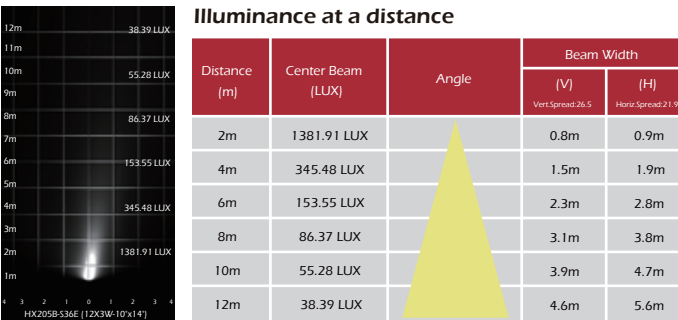
DESCRIPTION

The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool. With a power consumption of only 36W, the HX205B provides powerful yet efficient illumination for swimming pools as well as water displays up to a 8-metre spray height. Its robust construction allows it to be installed in walls and on floors. All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle:10°×14°, 21°×29°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75℃
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



SLEEVE (Included)

A Water stopper (Included)
The luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into theluminaire. That's why the device is needed to prevent the water vapor go in.

B IP68 Jiffy quick plug/socket connector (Option)
To prevent water vapor into luminaire via wire which had been cut, the air contains lots of steams when raining, spray or in humid environment, the luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire.

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX205B-S36E	12x3W	21°×29°	24V DC	1520	36.5	2369	08

Wall Recessed LED Pool Light



HX250B-S60
Symmetrical



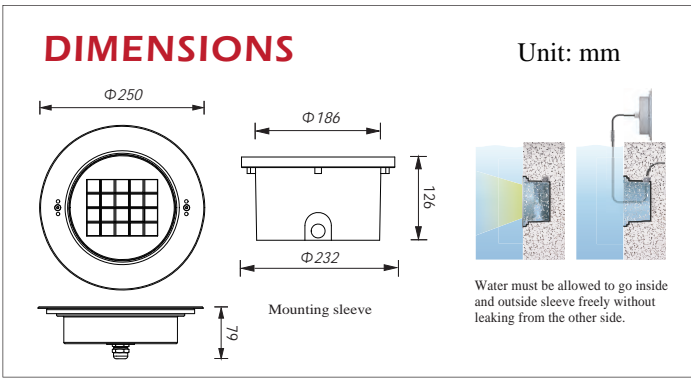
Warning:
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

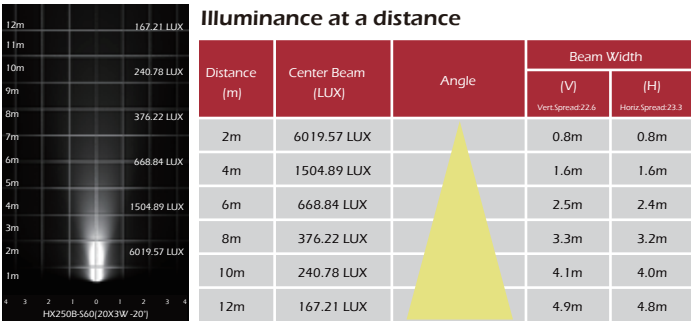
The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool. With a power consumption of only 60W, the HX250B provides powerful yet efficient illumination for swimming pools as well as water displays up to a 8-metre spray height. Its robust construction allows it to be installed in walls and on floors.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle:20°, 30°, 45°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75℃
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX250B-S36	20x3W	20°	24V DC	3050	73.2	5561	10

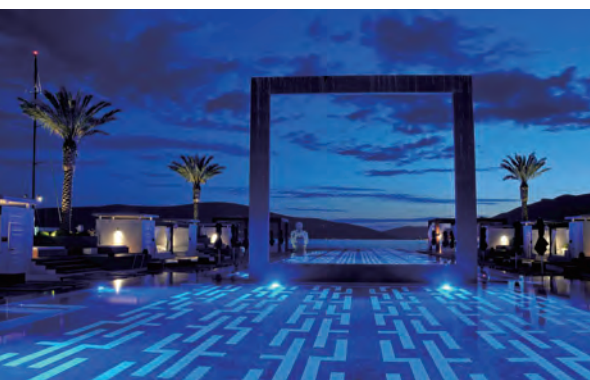
Wall Recessed LED Pool Light



HX250B-36T
Symmetrical



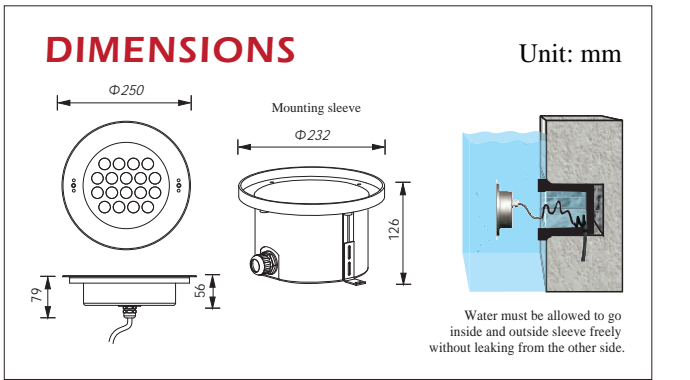
Warning:
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

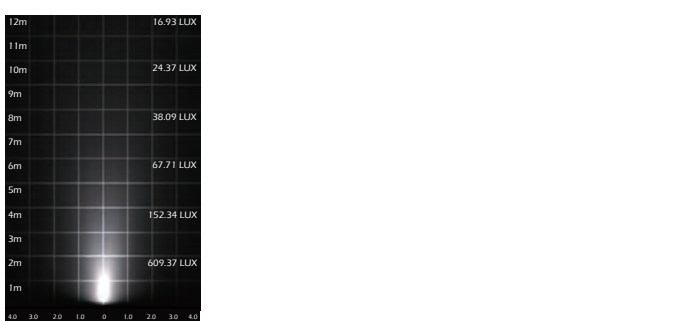
The simple yet elegant design of the recessed LED underwater Light series adds a touch of refinement to any pool. With a power consumption of only 36W, the HX250B provides powerful yet efficient illumination for swimming pools as well as water displays up to a 10-metre spray height. Its robust construction allows it to be installed in walls and on floors.

All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



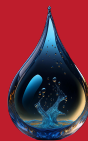
SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃, less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

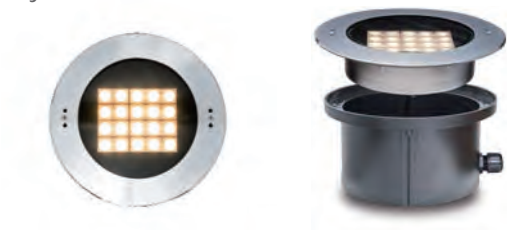
Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX250B-36T	18x2W RGB 3in1 Full color	30°	24V DC	R=630 G=770 B=770	52.0	1330	10



Wall Recessed LED Pool Light



HX250B-S60E
Asymmetrical



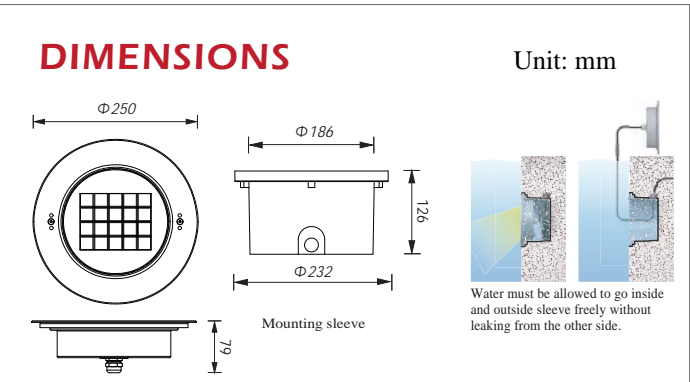
Warning:
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

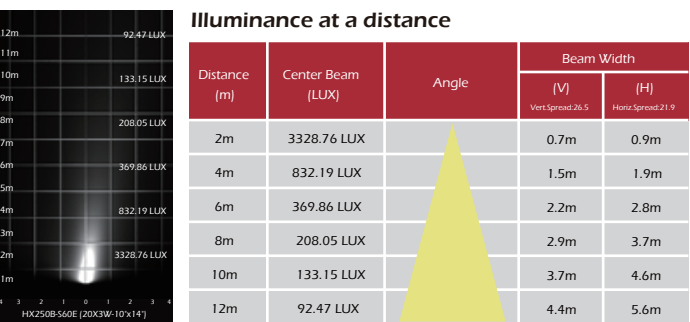
The simple yet elegant design of the recessed LED underwater light series adds a touch of refinement to any pool. With a power consumption of only 60W, the HX250B provides powerful yet efficient illumination for swimming pools as well as water displays up to a 8-metre spray height. Its robust construction allows it to be installed in walls and on floors.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass, T=10mm
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle:10°×14°, 21°×29°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in overheat sensor system: automatic shutdown at 75℃
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (V)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX250B-S60E	20x3W	21°×29°	24V DC	3050	73.2	5166	10

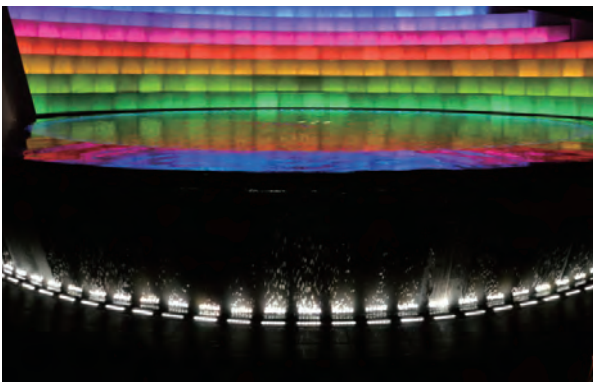
Wall Recessed LED Pool Light



HX355BL-S18
Symmetrical



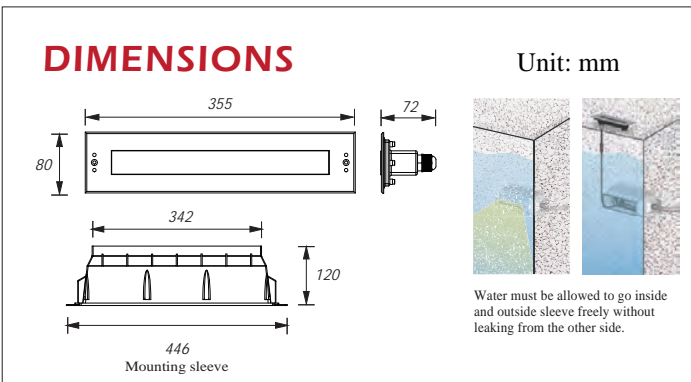
Warning:
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

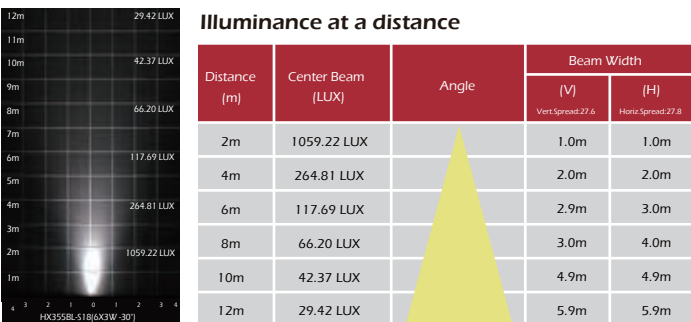
The linear design of the recessed LED underwater light series opens up new possibilities when lighting your pool. The HX355BL is the answer when you need even and discreet illumination. Completely unobtrusive when recessed into the walls. It is ideal when used to provide added illumination where it is need most such as at the pool's stairs or along infinity edges.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



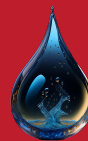
SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PC
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle:8° , 13° , 25° , 30°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-9 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (V)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX355BL-S18	6x3W	30°	24V DC	950	22.8	Cool White=1578 Warm White=1324	10



Wall Recessed LED Pool Light



HX355BL-S18E
Asymmetrical



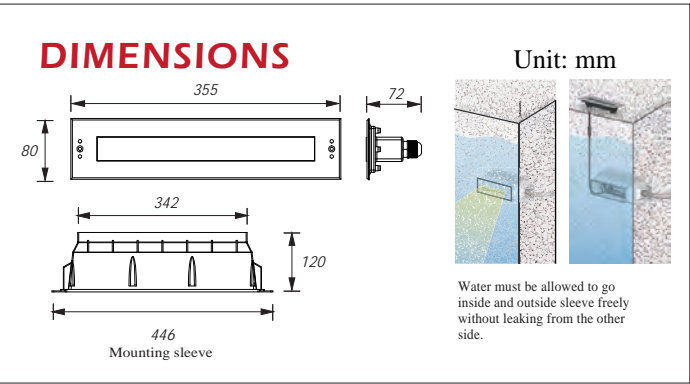
Warning:
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

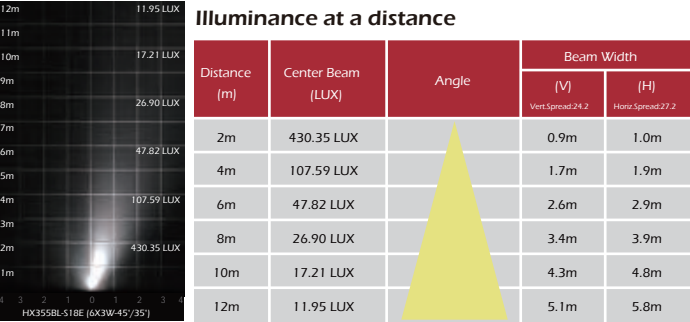
The linear design of the recessed LED underwater light series opens up new possibilities when lighting your pool. The HX355BL is the answer when you need even and discreet illumination. Completely unobtrusive when recessed into the walls. It is ideal when used to provide added illumination where it is needed most such as at the pool's stairs or along infinity edges.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PC
- ◆ Gasket: silicone gasket
- ◆ Optional lens angle: 45/35°
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 2.0w/mk
- ◆ LED colour temperature: 2,000K•3,000K•6,000K
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: Temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Mounting sleeve: PC/ABS ALLOYS
- ◆ Cable gland: IP-68 PG-9 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX355BL-S18E	6x3 W	45°/35°	24V DC	950	22.8	Cool white=1280 Warm white=1102	09

Fountain LED Ring Light



HX149R-18



Warning:
Must be installed underwater to prevent being damaged from over heating.

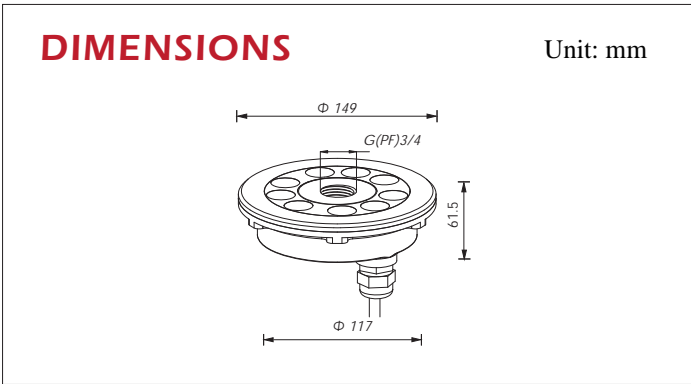


DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.

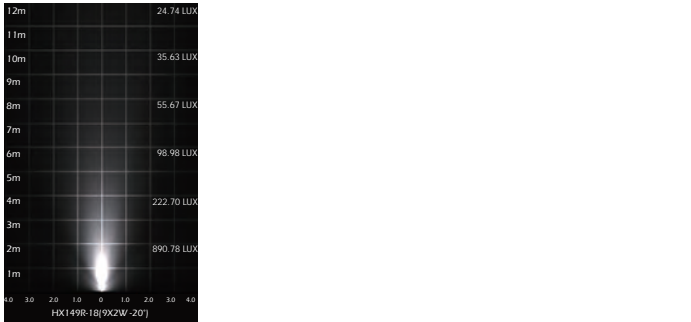
The ring lights HX149R sports a G 3/4" threaded connection at its centre where a nozzle can be directly attached. With a 8mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: Excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 2.0w/mk
- ◆ Application environment: Temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX149R-18	9x2W	20°	24V DC	646	15.5	Cool white=1317 Warm white=1054	09

Fountain LED Ring Light



HX149R-18T



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

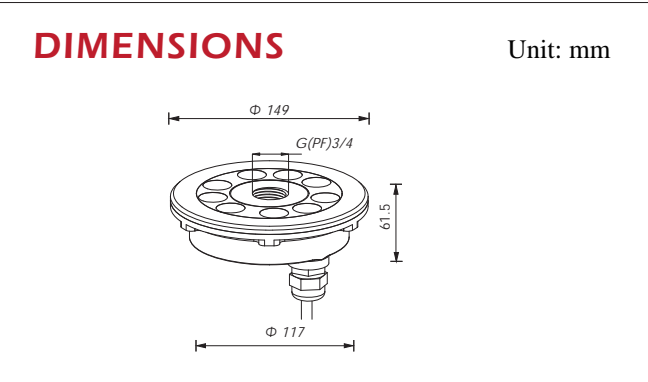


DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.

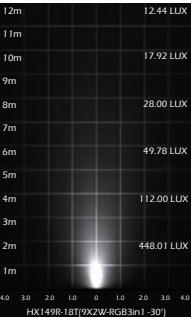
The ring lights HX149R sports a G 3/4”threaded connection at its centre where a nozzle can be directly attached. With a 8mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.

All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	448.01 LUX		1.0m	0.9m
4m	112.00 LUX		1.9m	1.9m
6m	49.78 LUX		2.9m	2.8m
8m	28.00 LUX		3.9m	3.8m
10m	17.92 LUX		4.9m	4.7m
12m	12.44 LUX		5.8m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX149R-18T	9x2W RGB 3in1 Full color	30°	24V DC	R=300 G=375 B=375	25.2	580	09

Fountain LED Ring Light



HX149R-12QD



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

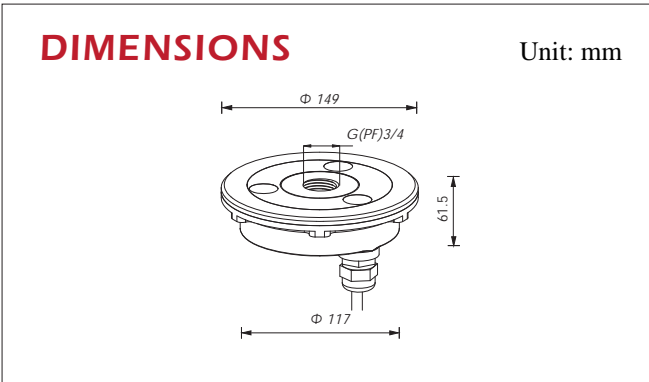


DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.

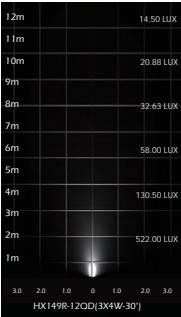
The ring lights HX149R sports a G 3/4”threaded connection at its centre where a nozzle can be directly attached. With a 8mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.

RDM function: DMX address to be read and written. Provide operating voltage, current and temperature of light. Provide basic data such as supplier information.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: Temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-13.5 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG
- ◆ Signal type: DMX512/RDM signal



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	522.00 LUX		1.0m	1.0m
4m	130.50 LUX		2.0m	2.0m
6m	58.00 LUX		3.0m	3.0m
8m	32.63 LUX		4.0m	4.0m
10m	20.88 LUX		5.0m	5.0m
12m	14.50 LUX		6.0m	6.1m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX149R-12QD	3x4W RGBW 4in1 Full color	30°	24V DC	520	12.5	438	09

Fountain LED Ring Light



HX170R-18



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

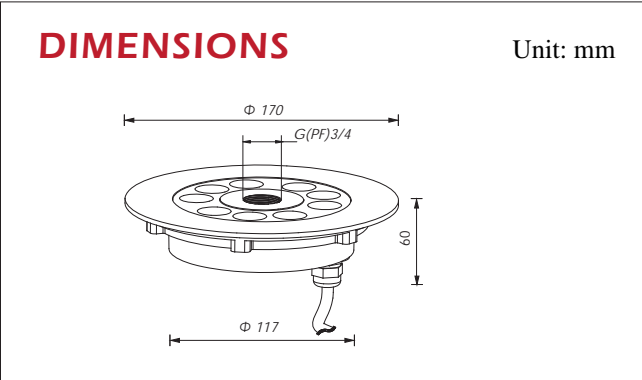


DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.

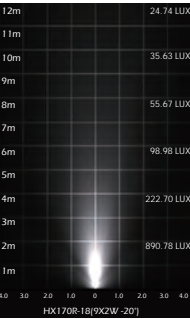
The ring lights HX170R sports a G 3/4" threaded connection at its centre where a nozzle can be directly attached. With a 8mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: Temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	890.78 LUX		0.8m	0.7m
4m	222.70 LUX		1.6m	1.5m
6m	98.98 LUX		2.4m	2.2m
8m	55.67 LUX		3.2m	3.0m
10m	35.63 LUX		4.0m	3.7m
12m	24.74 LUX		4.7m	4.4m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ 1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX170R-18	9x2W	20°	24V DC	646	15.5	Cool white=1317 Warm white=1054	09

Fountain LED Ring Light



HX170R-18T



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

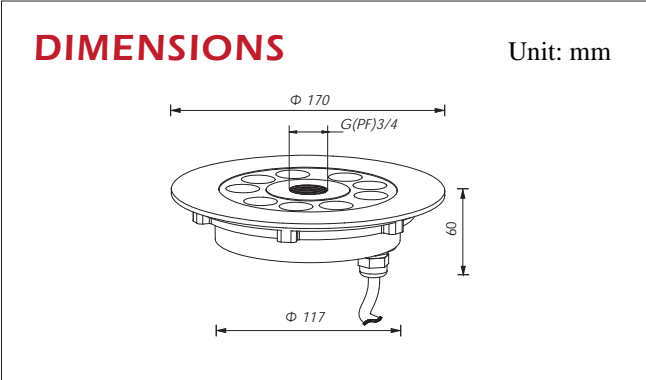


DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.

The ring lights HX170R sports a G 3/4" threaded connection at its centre where a nozzle can be directly attached. With a 8mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.

All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	448.01 LUX		1.0m	0.9m
4m	112.00 LUX		1.9m	1.9m
6m	49.78 LUX		2.9m	2.8m
8m	28.00 LUX		3.9m	3.8m
10m	17.92 LUX		4.9m	4.7m
12m	12.44 LUX		5.8m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ 1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX170R-18T	9x2W RGB 3in1 Full color	30°	24V DC	R=300 G=375 B=375	25.2	580	09

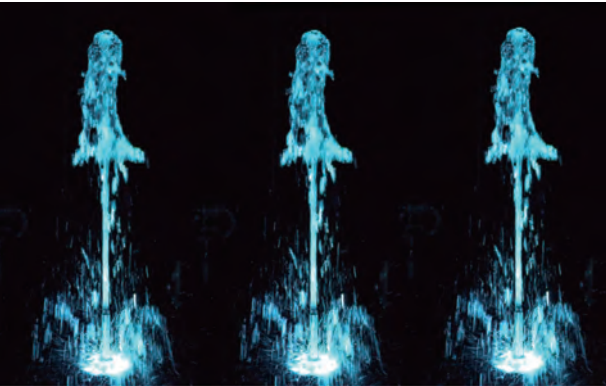
Fountain LED Ring Light



HX170R-12OD

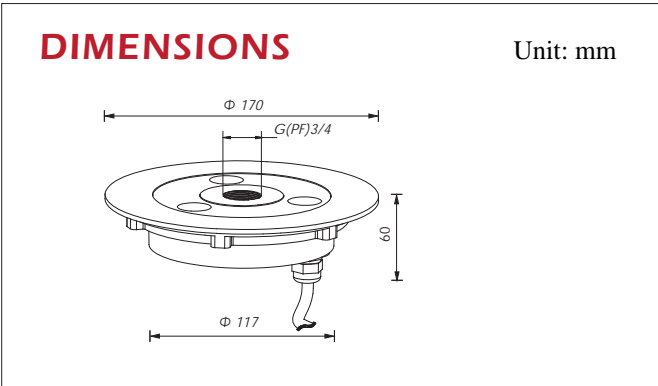


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.
The ring lights HX170R sports a G 3/4”threaded connection at its centre where a nozzle can be directly attached. With a 8mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.
RDM function: DMX address to be read and written. Provide operating voltage, current and temperature of light. Provide basic data such as supplier information.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: Temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-13.5 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG
- ◆ Signal type: DMX512/RDM signal



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	522.00 LUX		1.0m	1.0m
4m	130.50 LUX		2.0m	2.0m
6m	58.00 LUX		3.0m	3.0m
8m	32.63 LUX		4.0m	4.0m
10m	20.88 LUX		5.0m	5.0m
12m	14.50 LUX		6.0m	6.1m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ 1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX170R-12OD	3x4W RGBW 4in1 Full color	30°	24V DC	520	12.5	438	09

Fountain LED Ring Light



HX182R-24

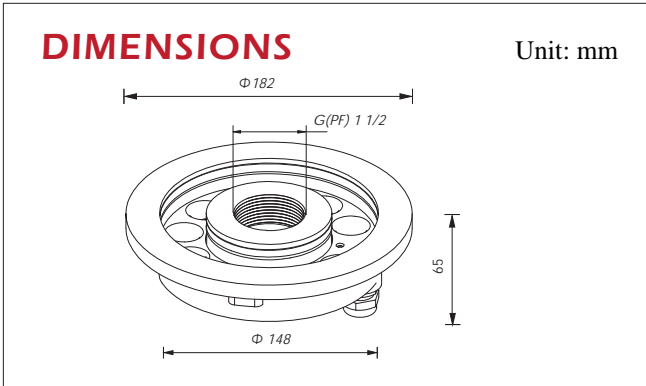


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.
The ring lights HX182R sports a G1 1/2”threaded connection at its centre where a nozzle can be directly attached. With a 10mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged. All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

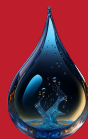


Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	4657.90 LUX		0.5m	0.5m
4m	1164.47 LUX		1.1m	1.0m
6m	517.54 LUX		1.6m	1.6m
8m	291.12 LUX		2.2m	2.1m
10m	186.32 LUX		2.7m	2.6m
12m	129.39 LUX		3.3m	3.1m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ 1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX182R-24	12x2W	25°	24V DC	1200	28.8	Cool white=2067 Warm white=1610	09



Fountain LED Ring Light



HX182R-36T

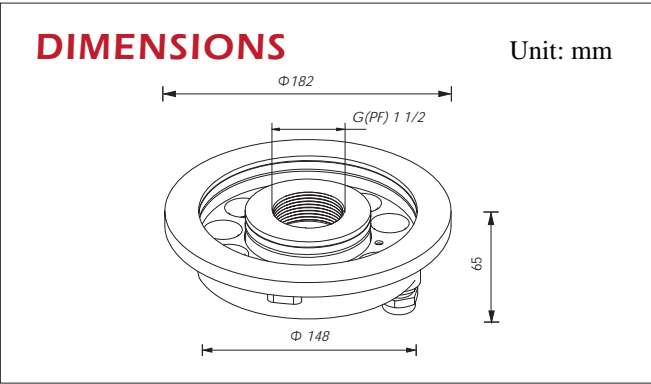


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.
The ring lights HX182R sports a G1 1/2”threaded connection at its centre where a nozzle can be directly attached. With a 10mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged. All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	708.71 LUX		0.9m	1.0m
4m	177.18 LUX		1.9m	1.9m
6m	78.75 LUX		2.8m	2.9m
8m	44.29 LUX		3.8m	3.8m
10m	28.35 LUX		4.7m	4.8m
12m	19.69 LUX		5.7m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX182R-36T	12x2W RGB 3in1 Full color	30°	24V DC	R=400 G=500 B=500	33.6	924	09

Fountain LED Ring Light



HX182R-24QD

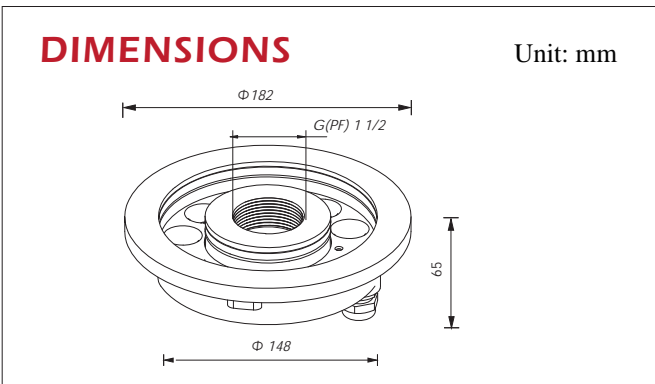


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.
The ring lights HX182R sports a G1 1/2”threaded connection at its centre where a nozzle can be directly attached. With a 10mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged. RDM function: DMX address to be read and written. Provide operating voltage, current and temperature of light. Provide basic data such as supplier information.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-13.5 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG
- ◆ Signal type: DMX512/RDM signal

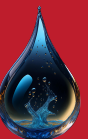


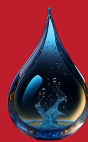
Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	1124.77 LUX		0.8m	0.8m
4m	281.19 LUX		1.6m	1.7m
6m	124.97 LUX		2.4m	2.5m
8m	70.30 LUX		3.3m	3.3m
10m	44.99 LUX		4.1m	4.1m
12m	31.24 LUX		4.9m	5.0m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX182R-24QD	6x4W RGBW 4in1 Full color	30°	24V DC	1083	26	1208	09





Fountain LED Ring Light



HX200R-24



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

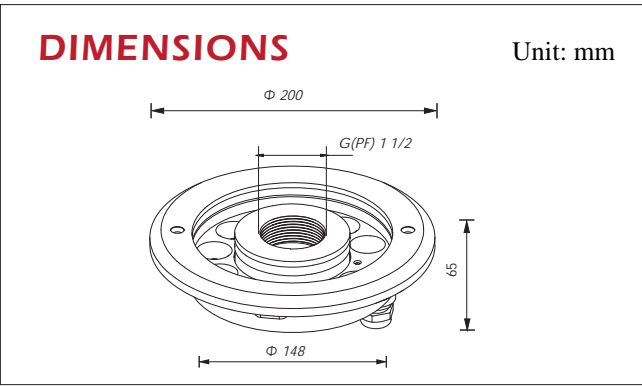


SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.
The ring lights HX200R sports a G1 1/2”threaded connection at its centre where a nozzle can be directly attached. With a 10mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	4657.90 LUX		0.5m	0.5m
4m	1164.47 LUX		1.1m	1.0m
6m	517.54 LUX		1.6m	1.6m
8m	291.12 LUX		2.2m	2.1m
10m	186.32 LUX		2.7m	2.6m
12m	129.39 LUX		3.3m	3.1m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ 1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX200R-24	12x2W	25°	24V DC	1200	28.8	Cool white=2067 Warm white=1610	09

Fountain LED ring Light



HX200R-36T



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

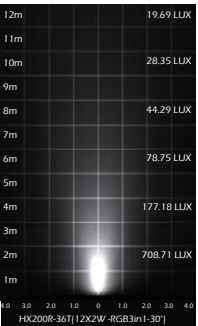
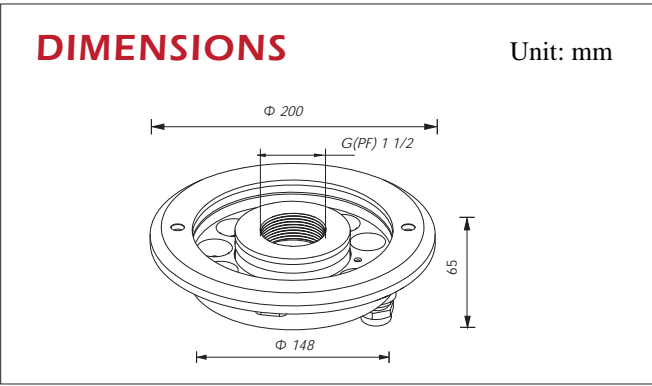


SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.
The ring lights HX200R sports a G1 1/2”threaded connection at its centre where a nozzle can be directly attached. With a 10mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.
All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.

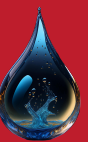


Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	708.71 LUX		0.9m	1.0m
4m	177.18 LUX		1.9m	1.9m
6m	78.75 LUX		2.8m	2.9m
8m	44.29 LUX		3.8m	3.8m
10m	28.35 LUX		4.7m	4.8m
12m	19.69 LUX		5.7m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ 1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX200R-36T	12x2W RGB 3in1 Full color	30°	24V DC	R=400 G=500 B=500	33.6	924	09



Fountain LED ring Light



HX200R-24QD



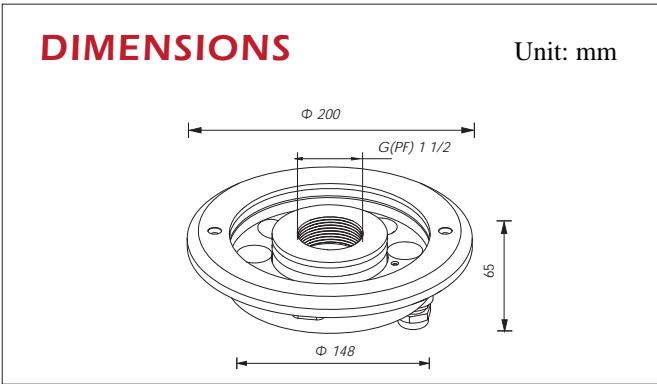
Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

DESCRIPTION

The underwater ring light series is the ultimate lighting solution for all animated fountains.

The ring lights HX200R sports a G1 1/2"threaded connection at its centre where a nozzle can be directly attached. With a 10mm thick tempered glass cover and a IK rating of 9, the underwater ring light is extremely rugged.

RDM function: DMX address to be read and written. Provide operating voltage, current and temperature of light. Provide basic data such as supplier information.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-13.5 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG
- ◆ Signal type: DMX512/RDM signal



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	1124.77 LUX		0.8m	0.8m
4m	281.19 LUX		1.6m	1.7m
6m	124.97 LUX		2.4m	2.5m
8m	70.30 LUX		3.3m	3.3m
10m	44.99 LUX		4.1m	4.1m
12m	31.24 LUX		4.9m	5.0m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX200R-24QD	6x4W RGBW 4in1 Full color	30°	24V DC	1083	26	1208	09

Underwater LED Spot Light



HX57T-6/HX57T-4QD

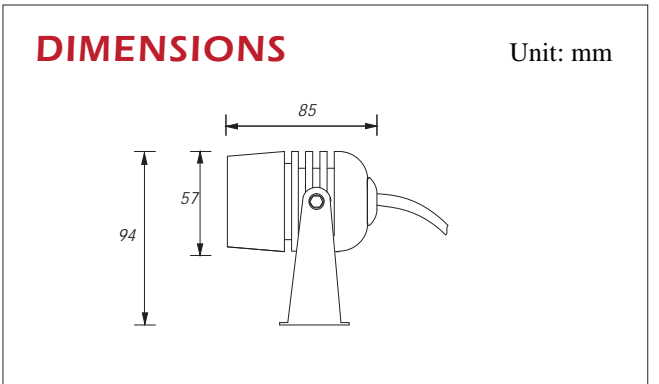


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

DESCRIPTION

The underwater spot light series is your solution to tight spaces. Whether installed free-standing or standing, the HX57T provides sufficient illumination for most residential and indoor water features.

This compact fixture allows it to be easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover : hard chrome plated stainless steel SUS 316
- ◆ Light Window: high-strength ultra-white tempered glass
- ◆ Gasket: silicone gasket
- ◆ Application environment: temperature of water between -20℃~50℃
- ◆ Power cable: 0.5m RVV 2x1mm²/ 5x1mm²
- ◆ Signal type: DMX512 (HX57T-4QD)

Illuminance at a distance (HX57T-6,3000K)

Distance (m)	Center Beam (lux)	Angle (15°)	Beam Width	
			(V)	(H)
2m	1334 lux		0.45m	0.45m
4m	336 lux		0.98m	0.98m
6m	148 lux		1.35m	1.35m
8m	83 lux		1.85m	1.85m

Illuminance at a distance (HX57T-6,3000K)

Distance (m)	Center Beam (lux)	Angle (24°)	Beam Width	
			(V)	(H)
2m	777 lux		0.77m	0.77m
4m	194 lux		1.41m	1.41m
6m	86 lux		2.15m	2.15m
8m	49 lux		2.85m	2.85m

PERFORMANCE

Type	Light source	Color	The manufacturer selected lens degree (θ1/2)	Input voltage (v)	Weight
HX57T-6	1x6W	3000K/6000K	15°/24°/36°/50°	24V DC	0.7 kg
HX57T-4QD	1x4W	RGBW	15°/24°/36°/50°	24V DC	0.7 kg

Underwater LED Spot Light



HX60TH-3



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

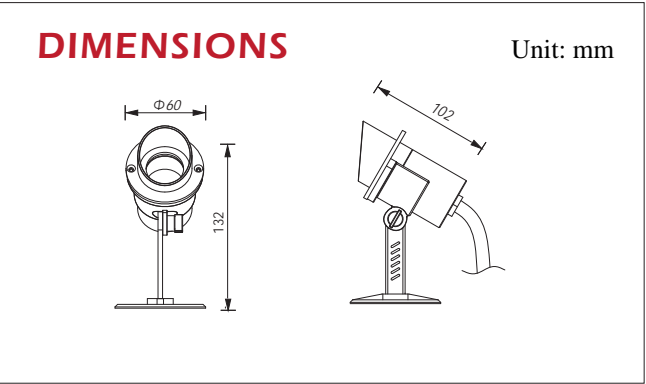


DESCRIPTION

The underwater spot light series is your solution to tight spaces. Whether installed free-standing or standing, the HX60TH provides sufficient illumination for most residential and indoor water features.

This compact fixture allows it to be easily hidden from sight or even integrated with the hardscape to achieve better ambience.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: step tempered glass. T=7mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 M16a copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	142.38 LUX		1.0m	1.0m
4m	35.60 LUX		1.9m	1.9m
6m	15.82 LUX		2.9m	2.9m
8m	8.90 LUX		3.8m	3.8m
10m	5.70 LUX		4.8m	4.8m
12m	3.96 LUX		5.8m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX60TH-3	1x3W	30°	24V DC	110	2.6	Cool white= 174 Warm white= 139	06

Underwater LED Spot Light



HX60TH-3T



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

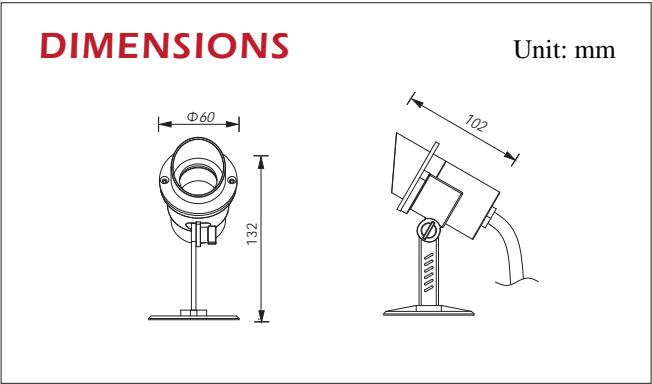


DESCRIPTION

The underwater spot light series is your solution to tight spaces. Whether installed free-standing or standing, the HX60TH provides sufficient illumination for most residential and indoor water features.

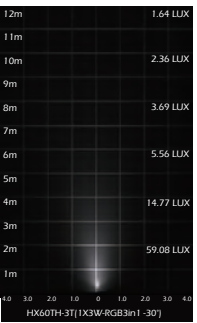
This compact fixture allows it to be easily hidden from sight or even integrated with the hardscape to achieve better ambience.

All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: step tempered glass. T=7mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 M16a copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

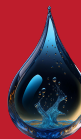


Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	59.08 LUX		1.0m	1.0m
4m	14.77 LUX		2.1m	2.0m
6m	5.56 LUX		3.1m	3.0m
8m	3.69 LUX		4.2m	4.0m
10m	2.36 LUX		5.2m	5.0m
12m	1.64 LUX		6.2m	6.0m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX60TH-3T	1x3W RGB 3in1 Full color	30°	24V DC	R= 48 G= 62 B= 62	4.1	103	06



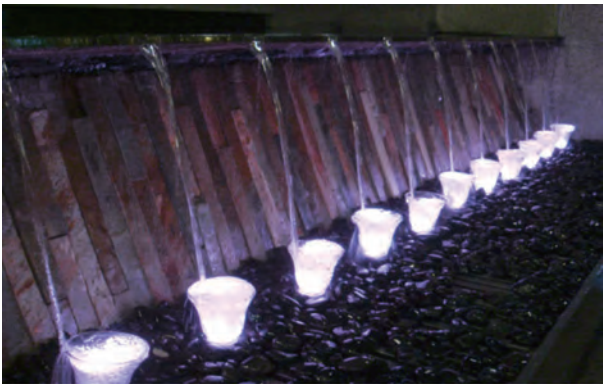
Underwater LED Spot Light



HX69T-3



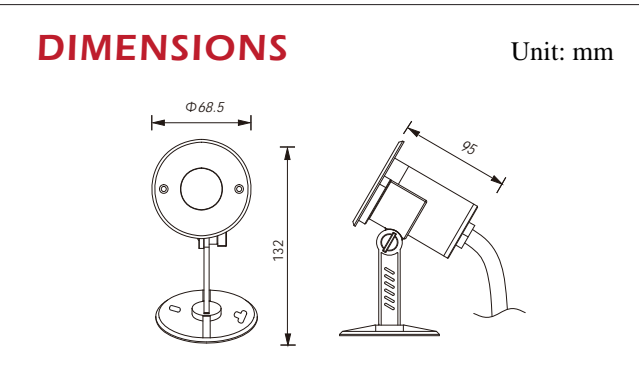
Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series is your solution to tight spaces. Whether installed free-standing or standing, the HX69T provides sufficient illumination for most residential and indoor water features.

This compact fixture allows it to be easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: step tempered glass. T=7mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 M16a copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	132.37 LUX		1.1m	1.1m
4m	33.09 LUX		2.2m	2.1m
6m	14.71 LUX		3.3m	3.2m
8m	8.27 LUX		4.4m	4.3m
10m	5.29 LUX		5.5m	5.3m
12m	3.68 LUX		6.5m	6.4m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (V)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX69T-3	1x3W	30°	24V DC	110	2.6	Cool white=174 Warm white=139	06

Underwater LED Spot Light



HX69T-3T



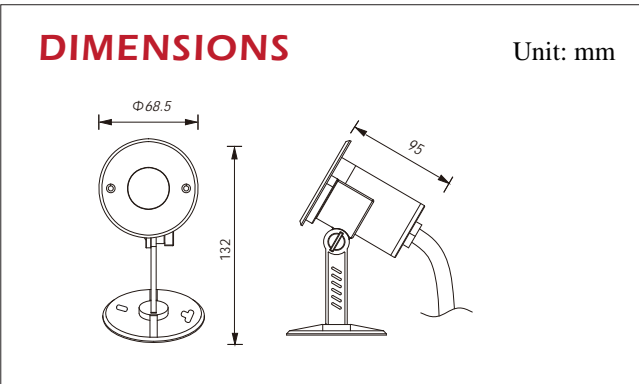
Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series is your solution to tight spaces. Whether installed free-standing or standing, the HX69T provides sufficient illumination for most residential and indoor water features.

This compact fixture allows it to be easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: step tempered glass. T=7mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 M16a copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

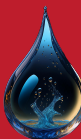


Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	82.44LUX		0.9m	0.9m
4m	20.61 LUX		1.8m	1.8m
6m	9.16 LUX		2.8m	2.7m
8m	5.15 LUX		3.7m	3.6m
10m	3.30 LUX		4.6m	4.6m
12m	2.29 LUX		5.5m	5.5m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (V)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX69T-3T	1x3W RGB 3in1 Full color	30°	24V DC	R=48 G=62 B=62	4.1	103	06



Underwater LED Spot Light



HX62T-4



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window: high-strength ultra-white tempered glass
- ◆ Application environment: temperature of water between -20℃~50℃
- ◆ Power cable: 0.5m RVV 2x1mm²

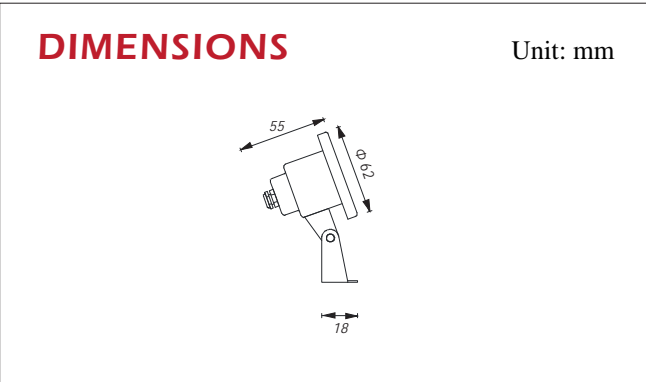
PERFORMANCE

Type	Light source	Color	The manufacturer selected lens degree (Θ1/2)	Input voltage (V)	Weight
HX62T-4	1x4W	3000K/6000K	15°/25°/40°	24V DC	0.25 kg

DESCRIPTION

The underwater spot light series is your solution to tight spaces. Whether installed free-standing or standing, the HX62T provides sufficient illumination for most residential and indoor water features.

This compact fixture allows it to be easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



Illuminance at a distance (HX62T-4,3000K)

Distance (m)	Center Beam (lux)	Angle (15°)	Beam Width	
			(V)	(H)
2m	605 lux		0.43m	0.43m
4m	151 lux		0.86m	0.86m
6m	67 lux		1.30m	1.30m
8m	38 lux		1.73m	1.73m

Illuminance at a distance (HX62T-4,3000K)

Distance (m)	Center Beam (lux)	Angle (25°)	Beam Width	
			(V)	(H)
2m	265 lux		0.75m	0.75m
4m	66 lux		1.50m	1.50m
6m	29 lux		2.26m	2.26m
8m	16 lux		3.01m	3.01m

Underwater LED Spot Light



HX86T-4/HX86T-4QD



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



SPECIFICATIONS

- ◆ Front cover : hard chrome plated molding shaped stainless steel SUS 316
- ◆ Light Window:high-strength ultra-white tempered glass
- ◆ Gasket: silicone gasket
- ◆ Application environment: temperature of water between -20℃~50℃
- ◆ Power cable: 0.5m RVV 2x1mm²/ 5x1mm²
- ◆ Signal type: DMX512 (HX86T-4QD)

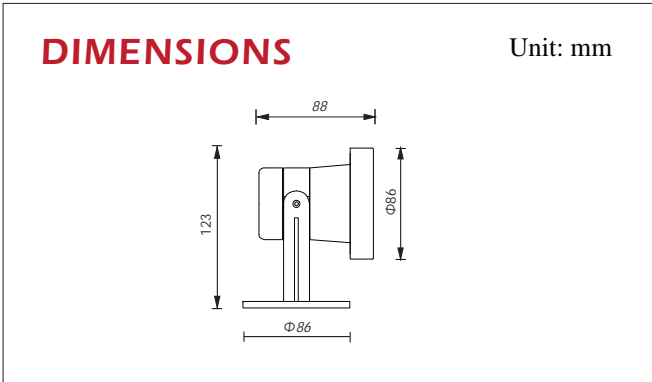
PERFORMANCE

Type	Light source	Color	The manufacturer selected lens degree (Θ1/2)	Input voltage (V)	Weight
HX86T-4	1x4W	3000K/6000K	10°/15°/25°/45°	24V DC	1.5 kg
HX86T-4QD	1x4W	RGBW	10°/15°/25°/45°	24V DC	1.5 kg

DESCRIPTION

The underwater spot light series is your solution to tight spaces. Whether installed free-standing or standing, the HX86T provides sufficient illumination for most residential and indoor water features.

This compact fixture allows it to be easily hidden from sight or even integrated with the hardscape to achieve better ambience. All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



Illuminance at a distance (HX86T-4,3000K)

Distance (m)	Center Beam (lux)	Angle (15°)	Beam Width	
			(V)	(H)
2m	827 lux		0.52m	0.52m
4m	206 lux		1.04m	1.04m
6m	92 lux		1.56m	1.56m
8m	51 lux		2.09m	2.09m

Illuminance at a distance (HX86T-4,3000K)

Distance (m)	Center Beam (lux)	Angle (25°)	Beam Width	
			(V)	(H)
2m	292 lux		0.88m	0.88m
4m	73 lux		1.76m	1.76m
6m	32 lux		2.64m	2.64m
8m	18 lux		3.53m	3.53m

Underwater LED Spot Light



HX95T-6

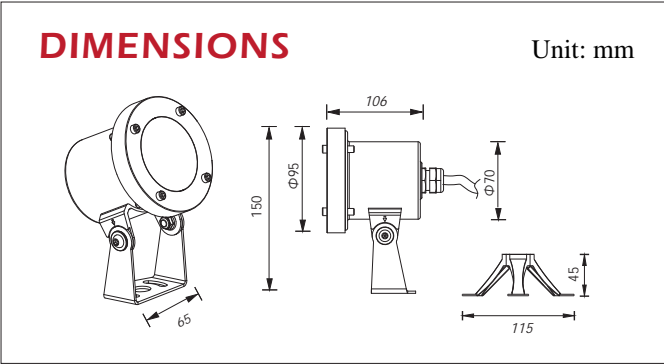


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-oated
- ◆ Power cable: 3m STW 18AWG

ILLUMINANCE AT A DISTANCE

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	587.99 LUX		0.9m	0.9m
4m	147.00 LUX		1.8m	1.8m
6m	65.33 LUX		2.8m	2.8m
8m	36.75 LUX		3.7m	3.7m
10m	23.52 LUX		4.6m	4.6m
12m	16.33 LUX		5.5m	5.5m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX95T-6	3x2W	30°	24V DC	320	7.7	Cool white=760 Warm white=674	10

Underwater LED Spot Light



HX95T-8

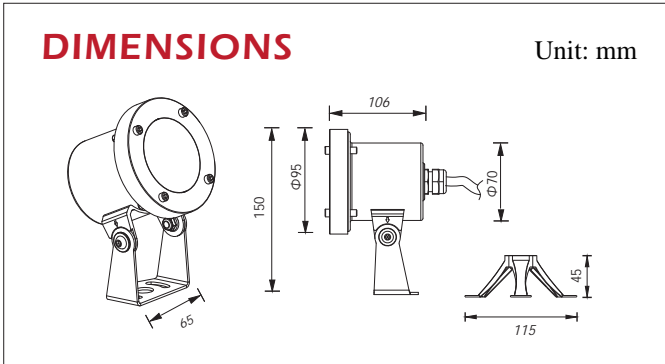


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-oated
- ◆ Power cable: 3m STW 18AWG

ILLUMINANCE AT A DISTANCE

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	537.90 LUX		0.8m	0.8m
4m	134.47 LUX		1.5m	1.5m
6m	59.77 LUX		2.3m	2.3m
8m	33.62 LUX		3.1m	3.0m
10m	21.52 LUX		3.8m	3.8m
12m	14.94 LUX		4.6m	4.6m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX95T-8	1×8W	25°	24V DC	340	8.1	Cool white=674 Warm white=625	10

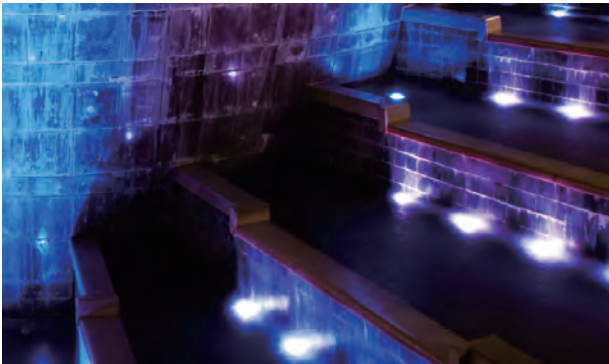
Underwater LED Spot Light



HX95T-9T

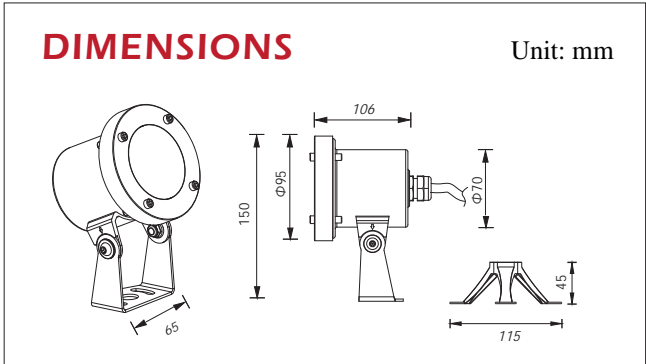


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 2.0 w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-oated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	149.35 LUX		1.0m	1.0m
4m	37.34 LUX		1.9m	1.9m
6m	16.59 LUX		2.9m	2.9m
8m	9.33 LUX		3.9m	3.8m
10m	5.97 LUX		4.8m	4.8m
12m	4.15 LUX		5.8m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX95T-9T	3x3W RGB 3in1 Full color	30°	24V DC	400	9.6	239	10

Underwater LED Spot Light



HX95T-9QD

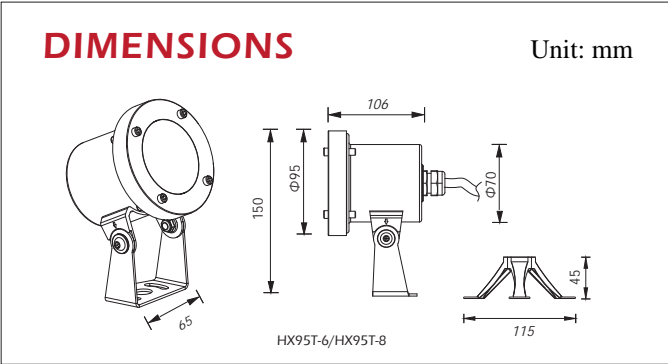


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



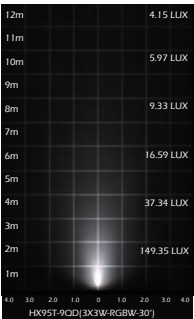
DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
RDM function: DMX address to be read and written. Provide operating voltage, current and temperature of light. Provide basic data such as supplier information.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 2.0 w/mk
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in Overheat Sensor System: Automatic Shutdown at 75℃
- ◆ Cable gland: IP-68 PG-11 copper with nickel- coated
- ◆ Power cable: H05RR-F 3m
- ◆ Signal type: DMX512/RDM signal

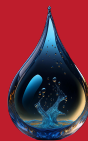


Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	149.35 LUX		1.0m	1.0m
4m	37.34 LUX		1.9m	1.9m
6m	16.59 LUX		2.9m	2.9m
8m	9.33 LUX		3.9m	3.8m
10m	5.97 LUX		4.8m	4.8m
12m	4.15 LUX		5.8m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX95T-9QD	3x3W RGBW 4in1	30°	24V DC	437	10.5	536	10



Underwater LED Spot Light



HX127T-18



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

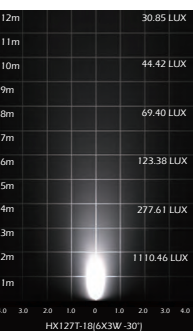
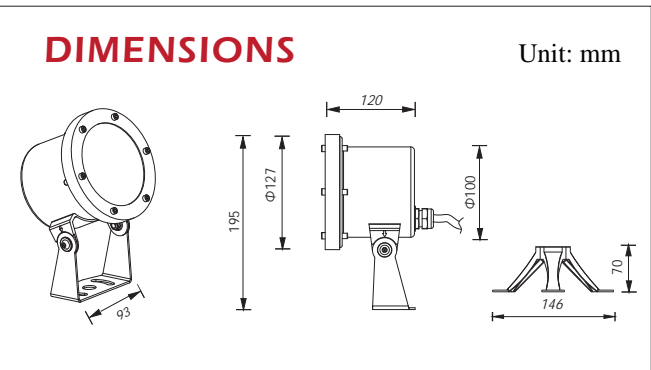


SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	1110.46 LUX		1.0m	1.0m
4m	277.61 LUX		2.0m	1.9m
6m	123.38 LUX		2.9m	2.9m
8m	69.40 LUX		3.9m	3.8m
10m	44.42 LUX		4.9m	4.8m
12m	30.85 LUX		5.9m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX127T-18	6x3W	30°	24V DC	900	21.5	Cool white=1700 Warm white=1503	10

Underwater LED Spot Light



HX127T-16



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

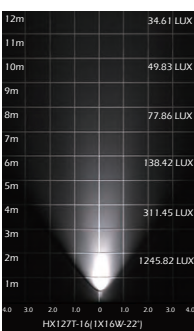
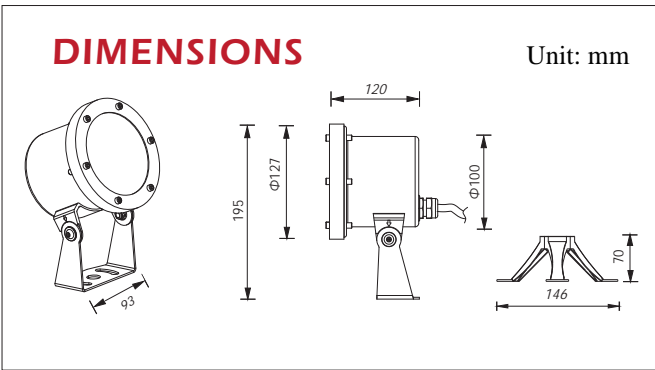


SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG

DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.

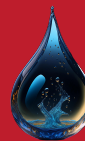


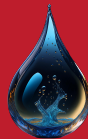
Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	1245.82 LUX		0.8m	0.8m
4m	311.45 LUX		1.7m	1.6m
6m	138.42 LUX		2.5m	2.5m
8m	77.86 LUX		3.3m	3.3m
10m	49.83 LUX		4.2m	4.1m
12m	34.61 LUX		5.0m	4.9m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX127T-16	1×16W	22°	24V DC	700	17.0	Cool white=1344 Warm white=1183	10





Underwater LED Spot Light



HX127T-18T

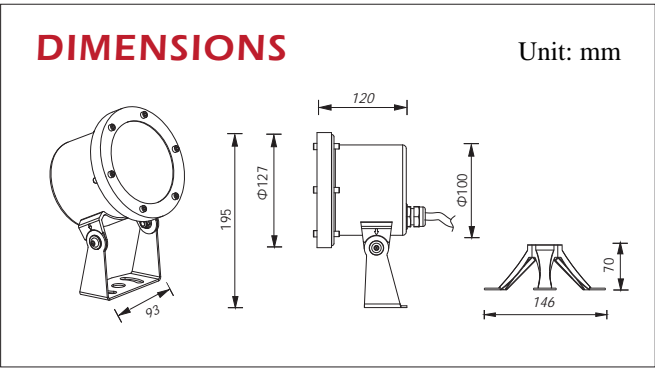


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



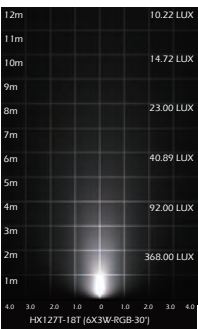
DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, colour-change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity $\geq 2.0\text{w/mk}$
- ◆ Application environment: temperature of water between $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	368.00 LUX		0.9m	0.9m
4m	92.00 LUX		1.9m	1.9m
6m	40.89 LUX		2.8m	2.8m
8m	23.00 LUX		3.8m	3.7m
10m	14.72 LUX		4.7m	4.7m
12m	10.22 LUX		5.7m	5.6m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX127T-18T	6x3W RGB 3in1	30°	24V DC	1000	24	528	10

Underwater LED Spot Light



HX127T-18QD

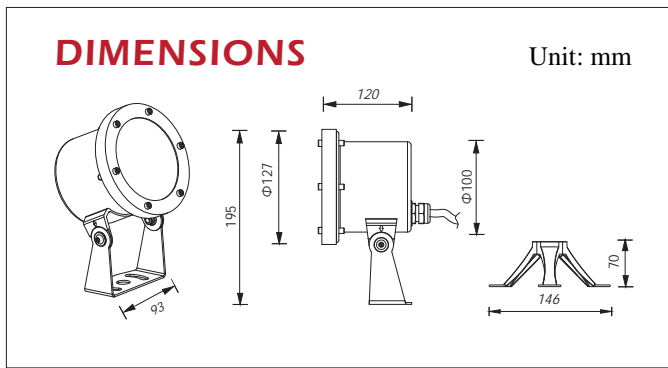


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
RDM function: DMX address to be read and written. Provide operating voltage, current and temperature of light. Provide basic data such as supplier information.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity $\geq 2.0\text{w/mk}$
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ less than 1 meter depth
- ◆ Built-in Overheat Sensor System: Automatic Shutdown at 75°C
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: H05RR-F 3m
- ◆ Signal type: DMX512/RDM signal

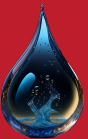


Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	368.00 LUX		0.9m	0.9m
4m	92.00 LUX		1.9m	1.9m
6m	40.89 LUX		2.8m	2.8m
8m	23.00 LUX		3.8m	3.7m
10m	14.72 LUX		4.7m	4.7m
12m	10.22 LUX		5.7m	5.6m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX127T-18QD	6x3W RGBW 4in1	30°	24V DC	1000	24	1145	10



Underwater LED Spot Light



HX150T-36

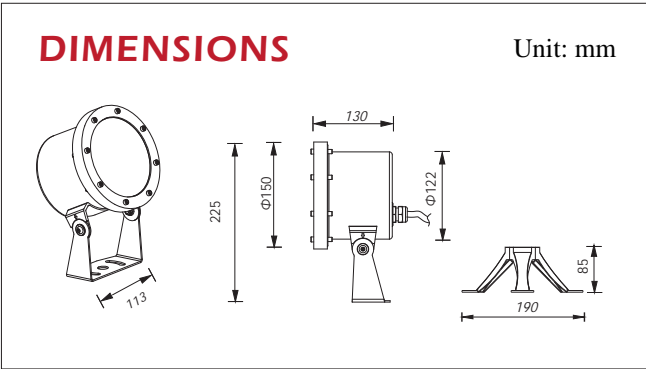


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 2.0 w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	2082.77 LUX		1.0m	0.9m
4m	520.69 LUX		1.9m	1.9m
6m	231.42 LUX		2.9m	2.8m
8m	130.17 LUX		3.9m	3.8m
10m	83.31 LUX		4.9m	4.7m
12m	57.85 LUX		5.8m	5.6m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX150T-36	12x3W	30°	24V DC	1600	38.4	Cool white=3031 Warm white=2668	10

Underwater LED Spot Light



HX150T-20

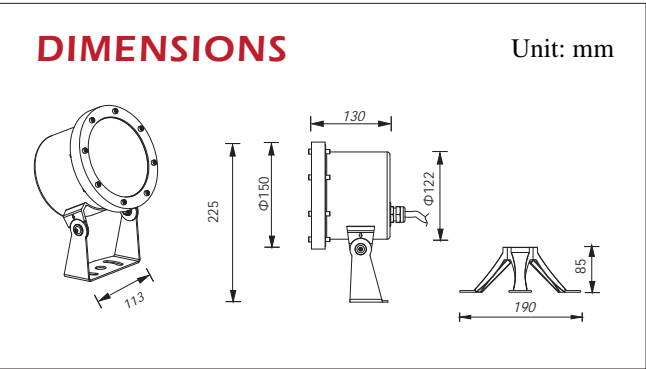


Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



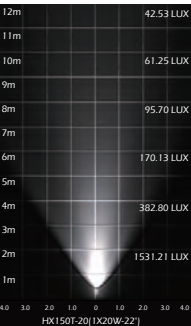
DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: silicone gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 2.0 w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	1531.21 LUX		0.9m	0.8m
4m	382.80 LUX		1.7m	1.7m
6m	170.13 LUX		2.6m	2.5m
8m	95.70 LUX		3.4m	3.3m
10m	61.25 LUX		4.3m	4.2m
12m	42.53 LUX		5.2m	5.0m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(°1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX150T-20	1×20W	22°	24V DC	860	20.5	Cool white=1679 Warm white=1478	10

Underwater LED Spot Light



HX150T-30T



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



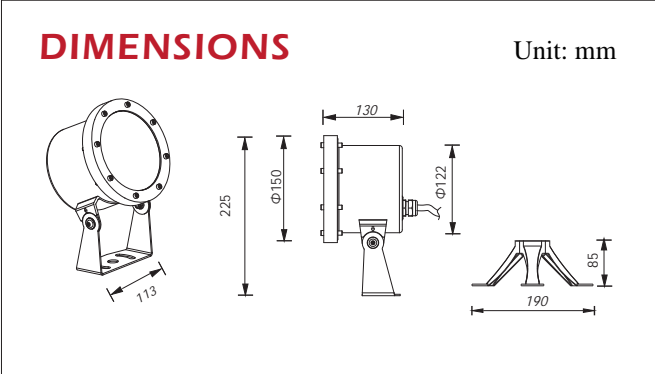
DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.

The sturdy tripod design does not topple easily even when water movement is very agitated.

If preferred, the fixture can also be fixed in place using just the mounting bracket.

All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity $\geq 2.0w/mk$
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	508.05 LUX		1.1m	1.1m
4m	127.01 LUX		2.1m	2.1m
6m	56.45 LUX		3.2m	3.2m
8m	31.75 LUX		4.3m	4.2m
10m	20.32 LUX		5.3m	5.3m
12m	14.11 LUX		6.4m	6.3m

PERFORMANCE

Order No.	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX150T-30T	6x5W RGB 3in1	30°	24V DC	1600	38.4	835	10

Underwater LED Spot Light



HX150T-30QD



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.



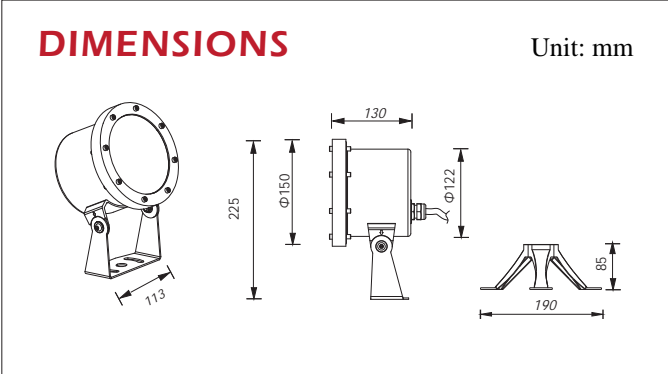
DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.

The sturdy tripod design does not topple easily even when water movement is very agitated.

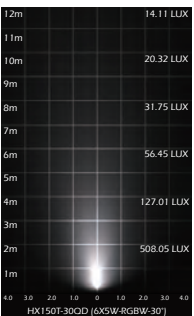
If preferred, the fixture can also be fixed in place using just the mounting bracket.

RDM function: DMX address to be read and written. Provide operating voltage, current and temperature of light. Provide basic data such as supplier information.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: PMMA 8mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity $\geq 2.0w/mk$
- ◆ LED Driver: Constant Voltage Input, Constant Current Output
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Built-in Overheat Sensor System: Automatic Shutdown at 75℃
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: H05RR-F 3m
- ◆ Signal type: DMX512/RDM signal



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	508.05 LUX		1.1m	1.1m
4m	127.01 LUX		2.1m	2.1m
6m	56.45 LUX		3.2m	3.2m
8m	31.75 LUX		4.3m	4.2m
10m	20.32 LUX		5.3m	5.3m
12m	14.11 LUX		6.4m	6.3m

PERFORMANCE

Order No.	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX150T-30QD	6x5W RGBW 4in1	30°	24V DC	1500	36	1837	10

Underwater LED Spot Light



HX224T-36

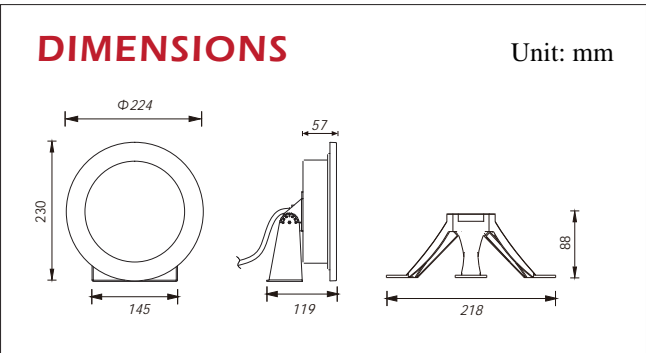


Warning:
Must be installed underwater to prevent being damaged from over heating.



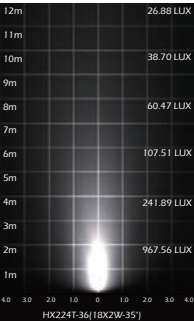
DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	967.56 LUX		1.0m	1.0m
4m	241.89 LUX		1.9m	1.9m
6m	107.51 LUX		2.9m	2.9m
8m	60.47 LUX		3.8m	3.8m
10m	38.70 LUX		4.8m	4.8m
12m	26.88 LUX		5.8m	5.7m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX224T-36	18x2W	35°	24V DC	1900	45.6	Cool white=2221 Warm white=1828	10

Underwater LED Spot Light



HX224T-48T

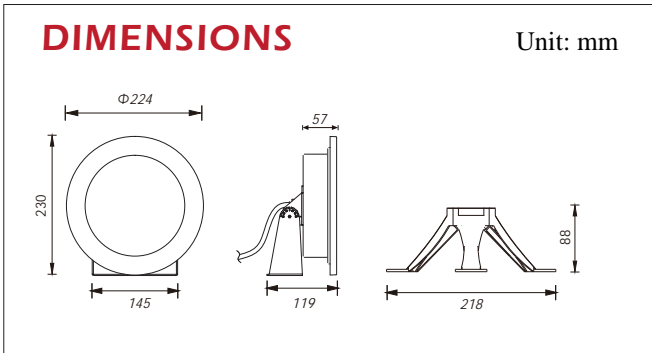


Warning:
Must be installed underwater to prevent being damaged from over heating.



DESCRIPTION

The underwater spot light series offers unparallel flexibility to match your creativity.
The sturdy tripod design does not topple easily even when water movement is very agitated.
If preferred, the fixture can also be fixed in place using just the mounting bracket.
All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Front cover & Housing: hard chrome plated molding shaped stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=10mm
- ◆ Gasket: EPDM gasket
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	854.65LUX		1.1m	1.1m
4m	213.66 LUX		2.2m	2.1m
6m	94.96 LUX		3.3m	3.2m
8m	53.42 LUX		4.4m	4.3m
10m	34.19 LUX		5.5m	5.3m
12m	23.74 LUX		6.6m	6.4m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(θ1/2)	Input voltage (v)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX224T-48T	12x4W RGB 3in1	30°	24V DC	2400	57.6	1488	10

Underwater LED Spot Light



HX211TL-12



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

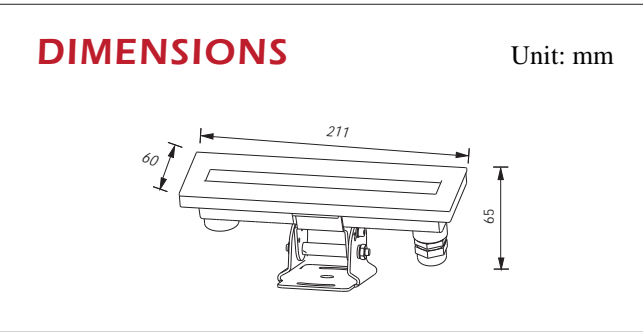


DESCRIPTION

The linear design of the underwater LED spot light series opens up new possibilities when lighting your pool.

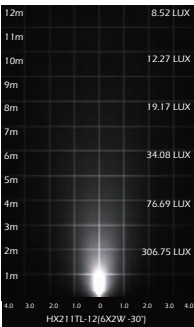
The versatile mounting bracket of the underwater LED spot light HX211TL enables a true 180° range of tilt which allows it to be used as an up or down lighter. Perfect as wall-washers and for water features with long edges that need to beaccented.

All Ideal LED lights can be programmed to dim, synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=5mm
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG
- ◆ Seal: molding shaped silicon seal under the front cover silicon glue among LED, lens and PCB



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	306.75 LUX		1.1m	1.1m
4m	76.69 LUX		2.1m	2.1m
6m	34.08 LUX		3.2m	3.2m
8m	19.17 LUX		4.3m	4.2m
10m	12.27 LUX		5.3m	5.3m
12m	8.52 LUX		6.4m	6.4m

PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (V)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX211TL-12	6x2W	30°	24V DC	491	11.8	Cool white=605 Warm white=520	08

Underwater LED Spot Light



HX211TL-12T



Warning:
Must be installed in a place where contact water or under water to prevent being damaged from over heating.

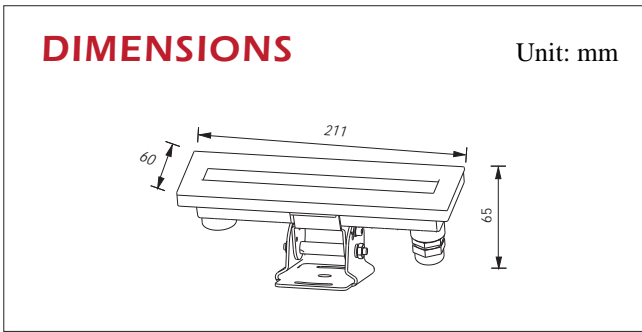


DESCRIPTION

The linear design of the underwater LED spot light series opens up new possibilities when lighting your pool.

The versatile mounting bracket of the underwater LED spot light HX211TL enables a true 180° range of tilt which allows it to be used as an up or down lighter. Perfect as wall-washers and for water features with long edges that need to beaccented.

All Ideal LED lights can be programmed to dim, colour- change and synchronize to create infinite combinations of kaleidoscopic displays.



SPECIFICATIONS

- ◆ Housing: hard chrome plated molding shaped stainless steel SUS 316
- ◆ Front cover: hard chrome plated stainless steel SUS 316L
- ◆ Light Window: step tempered glass. T=5mm
- ◆ PCB: excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- ◆ Application environment: temperature of water between -20℃~40℃ less than 1 meter depth
- ◆ Cable gland: IP-68 PG-11 copper with nickel-coated
- ◆ Power cable: 3m STW 18AWG
- ◆ Seal: molding shaped silicon seal under the front cover silicon glue among LED, lens and PCB



Illuminance at a distance

Distance (m)	Center Beam (LUX)	Angle	Beam Width	
			(V)	(H)
2m	355.02 LUX		0.9m	1.0m
4m	88.75 LUX		1.9m	1.9m
6m	39.45 LUX		2.8m	2.9m
8m	22.19 LUX		3.8m	3.8m
10m	14.20 LUX		4.7m	4.8m
12m	9.86 LUX		5.6m	5.7m

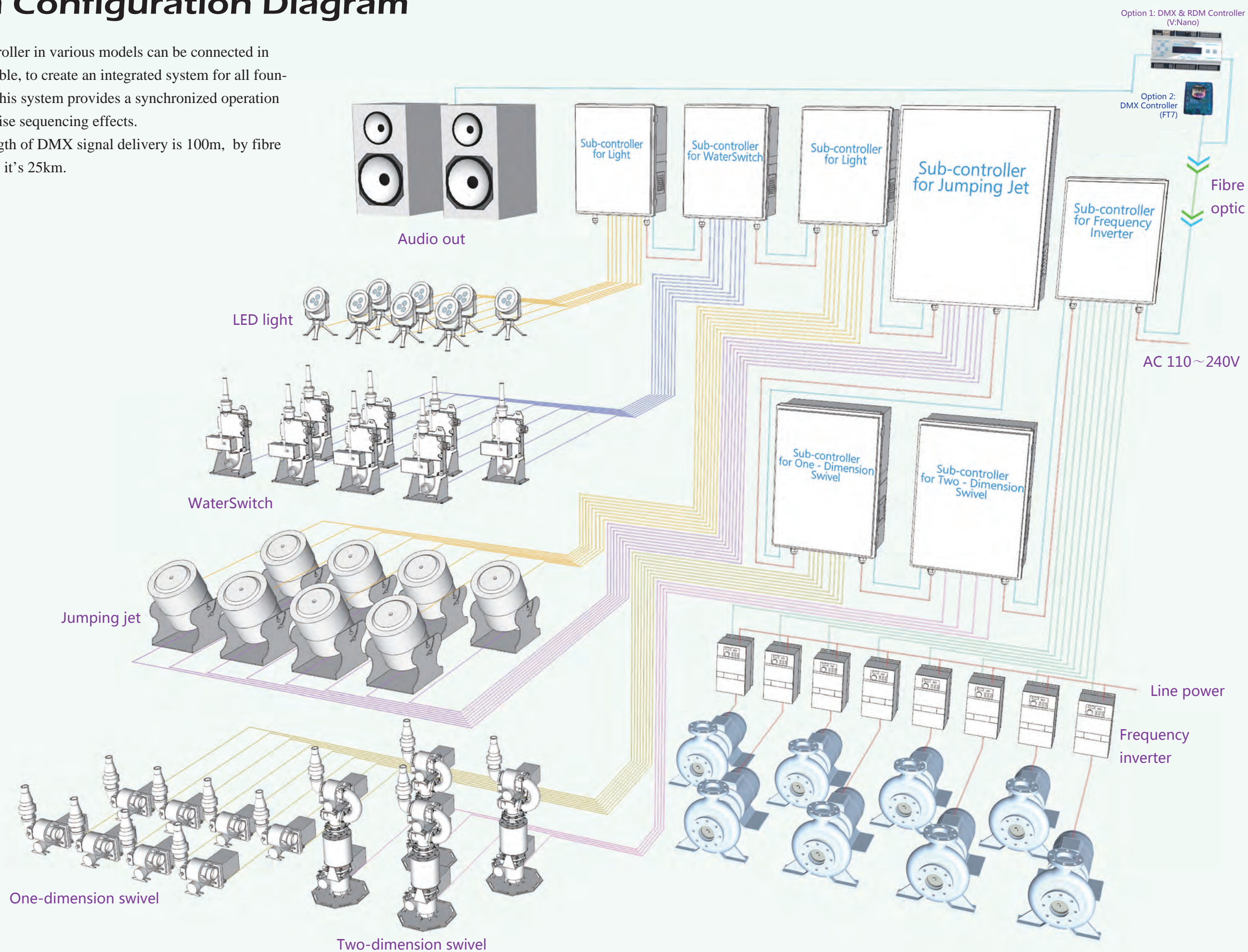
PERFORMANCE

Type	Light source	The manufacturer selected lens degree(Θ1/2)	Input voltage (V)	Typical operating current (mA)	Typical consumption (w)	Typical luminance (lm)	IK rate
HX211TL-12T	6x2W RGB 3in1 Full color	30°	24V DC	R=200 G=250 B=250	16.8	465	08

System Configuration Diagram

Multiple Sub-controller in various models can be connected in series via DMX cable, to create an integrated system for all fountain equipments. This system provides a synchronized operation which creates precise sequencing effects.

The maximum length of DMX signal delivery is 100m, by fibre optic transmission, it's 25km.



SC Series DMX Sub-controller

SC series DMX sub-controller is a comprehensive solution to the integration of fountain equipment's & DMX control system. It creates the perfect interface between light, jumping jet, shooter jet, frequency inverter for pump and the DMX controller.

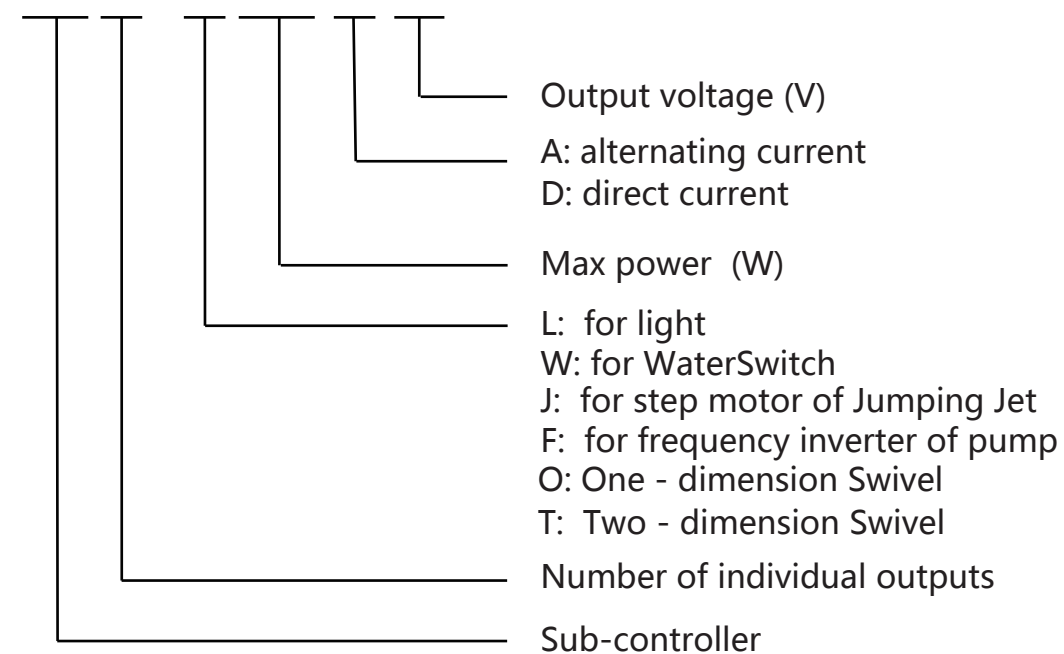
All sequencing lighting and water effects can be synchronized in precise timing by DMX programming.

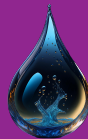


- ◆ Receive DMX 512 (1990) signal.
- ◆ Variety of models available for different applications.
- ◆ Can be connected in series via DMX cable.
- ◆ 4-points wall mounting.
- ◆ Built-in cooling fan.
- ◆ SP21/3P cable joint for power supply.
- ◆ XS12/3P cable joint for DMX signal connection.
- ◆ Multiple lock joint for output cable.

KEYWORD

SC 8 - L 320 D 24

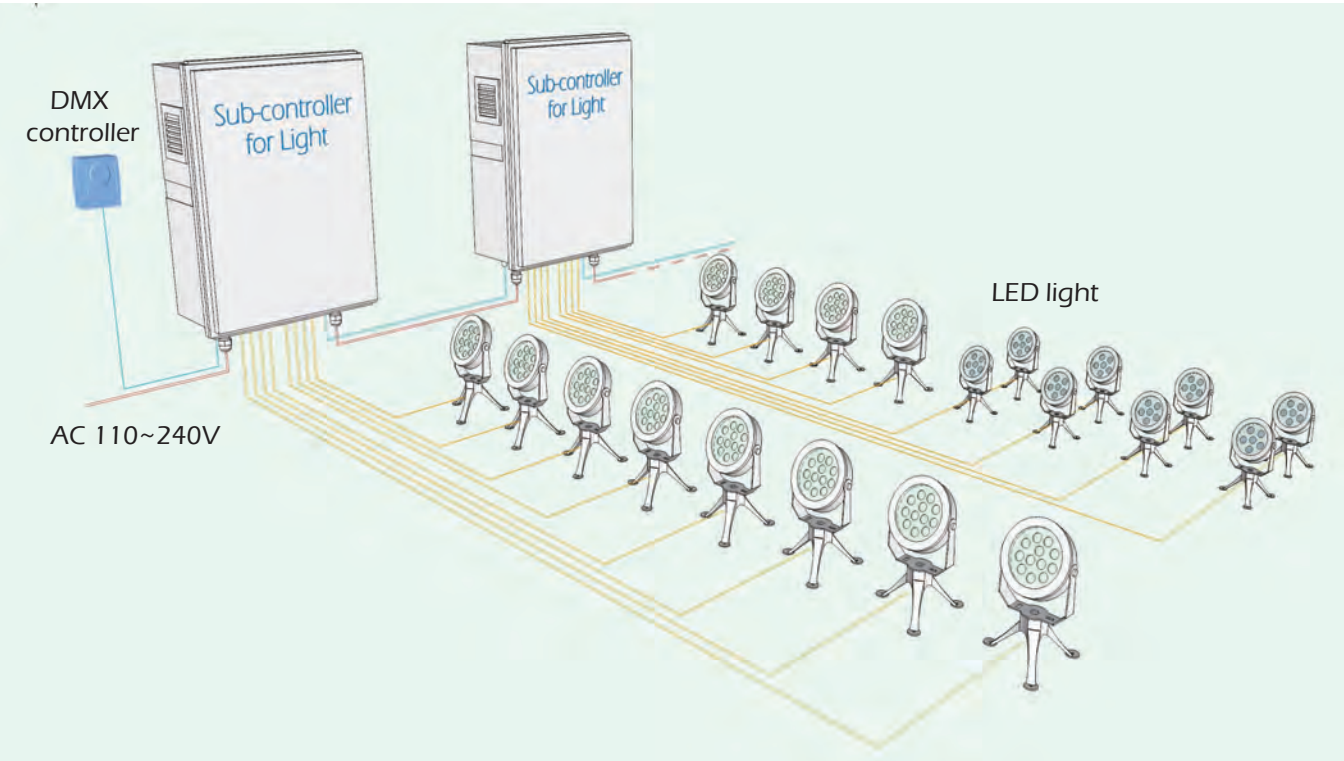




SC Series DMX Sub-controller

DMX Sub-controller for LED Light

There are 8 output connections per Sub-controller - the LED lights can be controlled individually or in clusters. The number of lights per loop is limited to the power output.



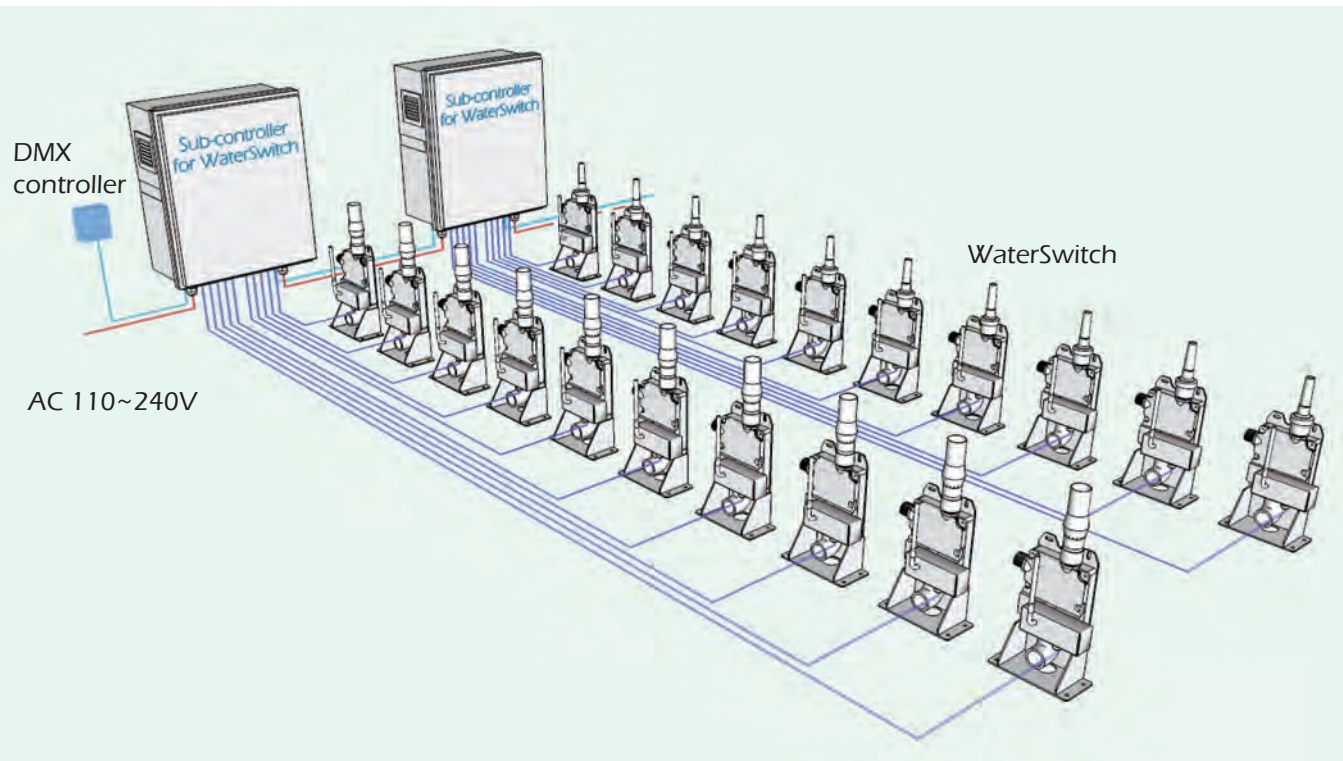
SPECIFICATION

Model	SC8-L320D24		
I/O Signal	DMX 512		
Input Voltage	110~240V AC		
Loops of Output	8 loops		
Power Output per Loop	36 W	72 W	36 W
Output Current per Loop	1.5 A	3 A	3 A
Output Voltage	24VDC	24VDC	12VDC
Temperature	-10~+60 °C		
Humidity	20~90 %RH		
Cooling	Built-in cooling fan		
Dimensions (L x W x H) (mm)	500 x 400 x 200		
Weight	8 kg		
Material	ABS		
Color	Creamy white		

SC Series DMX Sub-controller

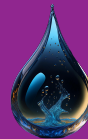
DMX Sub-controller for WaterSwitch

There are 10 output connections per sub-controller – each WaterSwitch can be individually controlled.



SPECIFICATION

Model	SC10-W150D24
I/O Signal	DMX 512
Input Voltage	110~240V AC
Loops of Output	10 loops
Power Output per Loop	10 W
Output Current per Loop	0.4 A
Output Voltage	24V DC
Temperature	-10~+60 °C
Humidity	20~90 %RH
Cooling	Built-in cooling fan
Dimensions (L x W x H) (mm)	500 x 400 x 200
Weight	8 kg
Material	ABS
Color	Creamy white

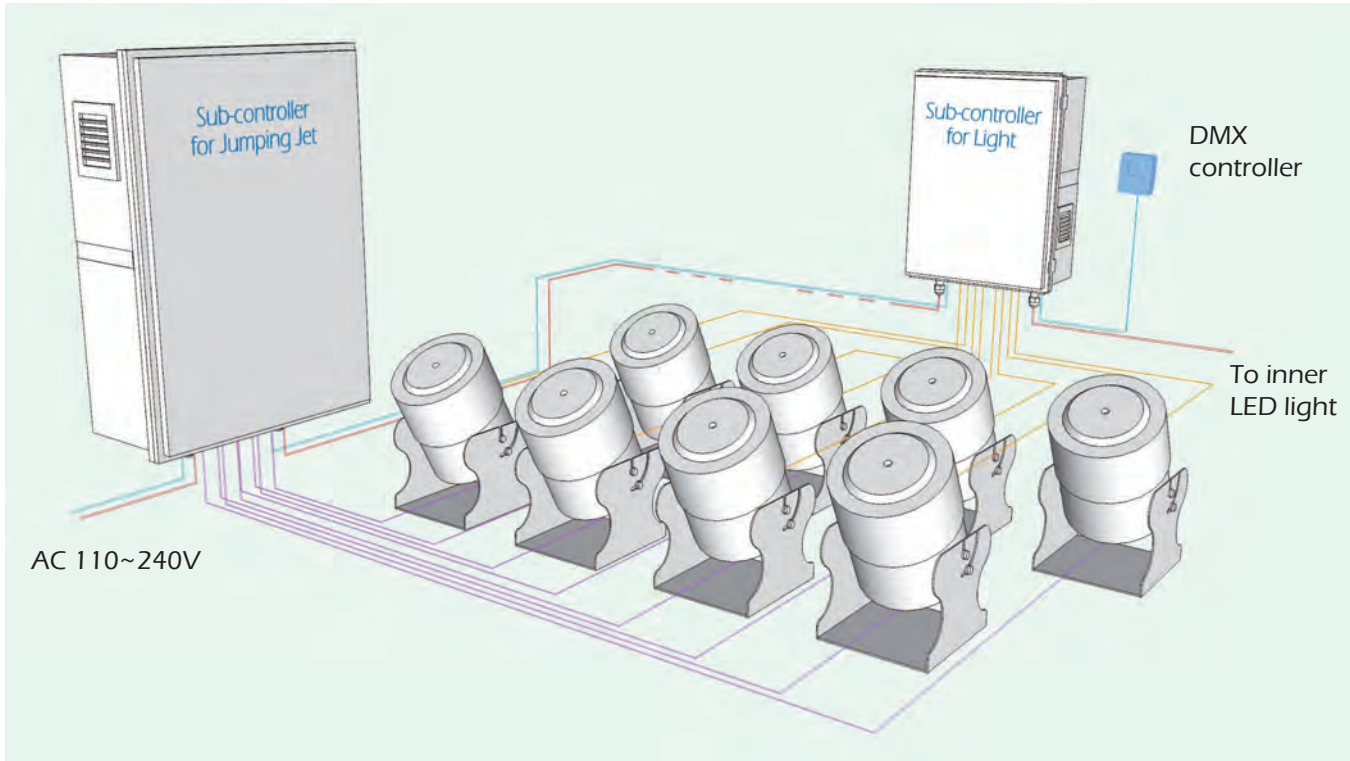




SC Series DMX Sub-controller

DMX Sub-controller for Jumping Jet.

There are 8 output connections per sub-controller for jumping jets – each Jumping Jet can be individually controlled. A sub-controller for lighting is required separately when built-in LED are used.



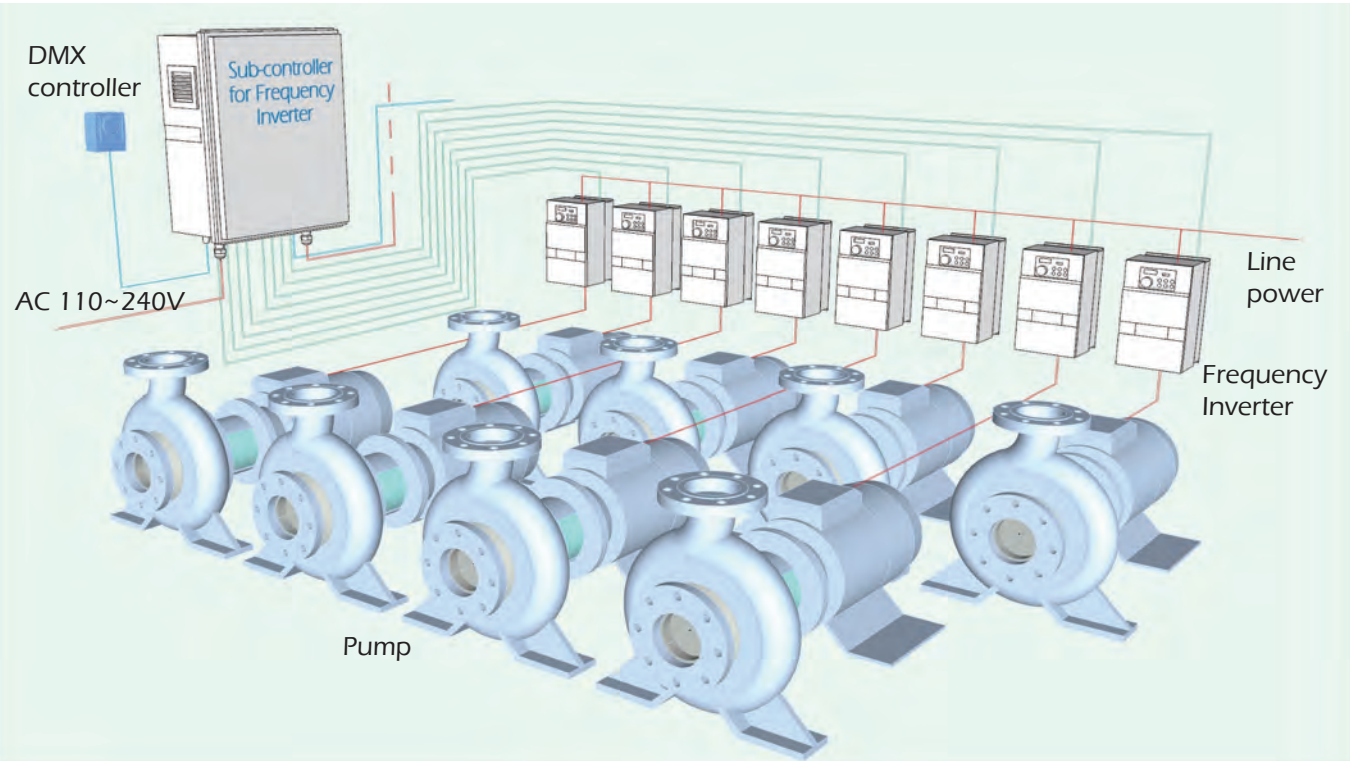
SPECIFICATION

Model	SC8-J960D24	SC4-J640D24
I/O Signal	DMX 512	
Input Voltage	110~240V AC	
Loops of Output	8 loops	4 loops
Power Output per Loop	72 W	
Output Current per Loop	3 A	
Output Voltage	24V DC	
Temperature	-10~+60 °C	
Humidity	20~90 %RH	
Cooling	Built-in cooling fan	
Dimensions (L x W x H) (mm)	830 x 630 x 300	
Weight	35 kg	11.6 kg
Material	ABS	
Color	Creamy white	

SC Series DMX Sub-controller

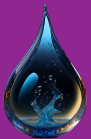
DMX Sub-controller for Frequency Inverter.

There are 8 output connections per sub-controller for 8 inverters – each inverter can be individually controlled – the speed of pump changes in response to DMX signal via inverter (0~60Hz stepless).



SPECIFICATION

Model	SC8-F35	SC-F204
I/O Signal	DMX 512	
Input Voltage	110~240V AC	
Loops of Output	8 loops	4 loops
Power Output per Loop	4 W	
Output Current per Loop	20 mA	
Output Voltage	10V DC	
Temperature	-10~+55 °C	
Humidity	20~90 %RH	
Cooling	Natural air	
Dimensions (L x W x H) (mm)	500 x 400 x 160	
Weight	6.5 kg	6.2 kg
Material	ABS	
Color	Creamy white	

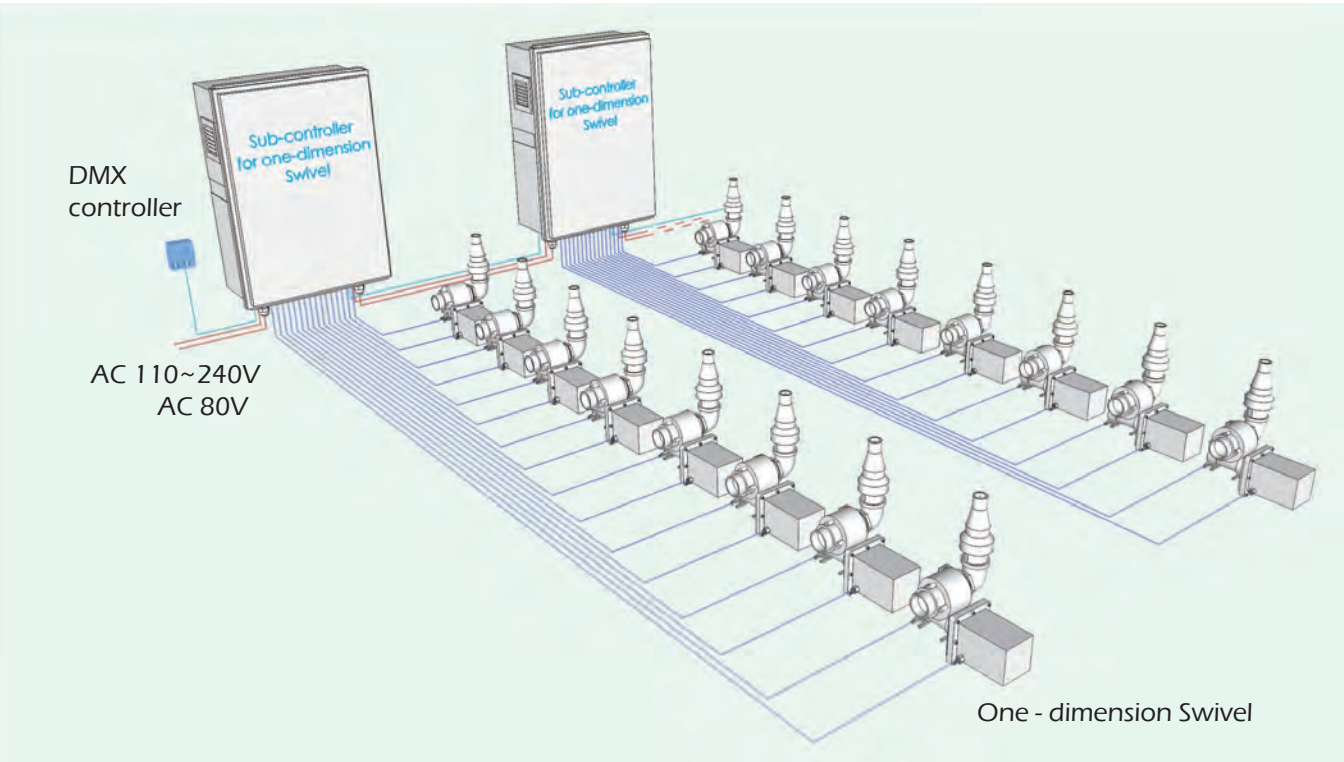




SC Series DMX Sub-controller

DMX Sub-controller for One-dimension Swivel

There are 8 output connections per sub-controller for one - dimension swivel – each one-dimension swivel can be individually controlled.



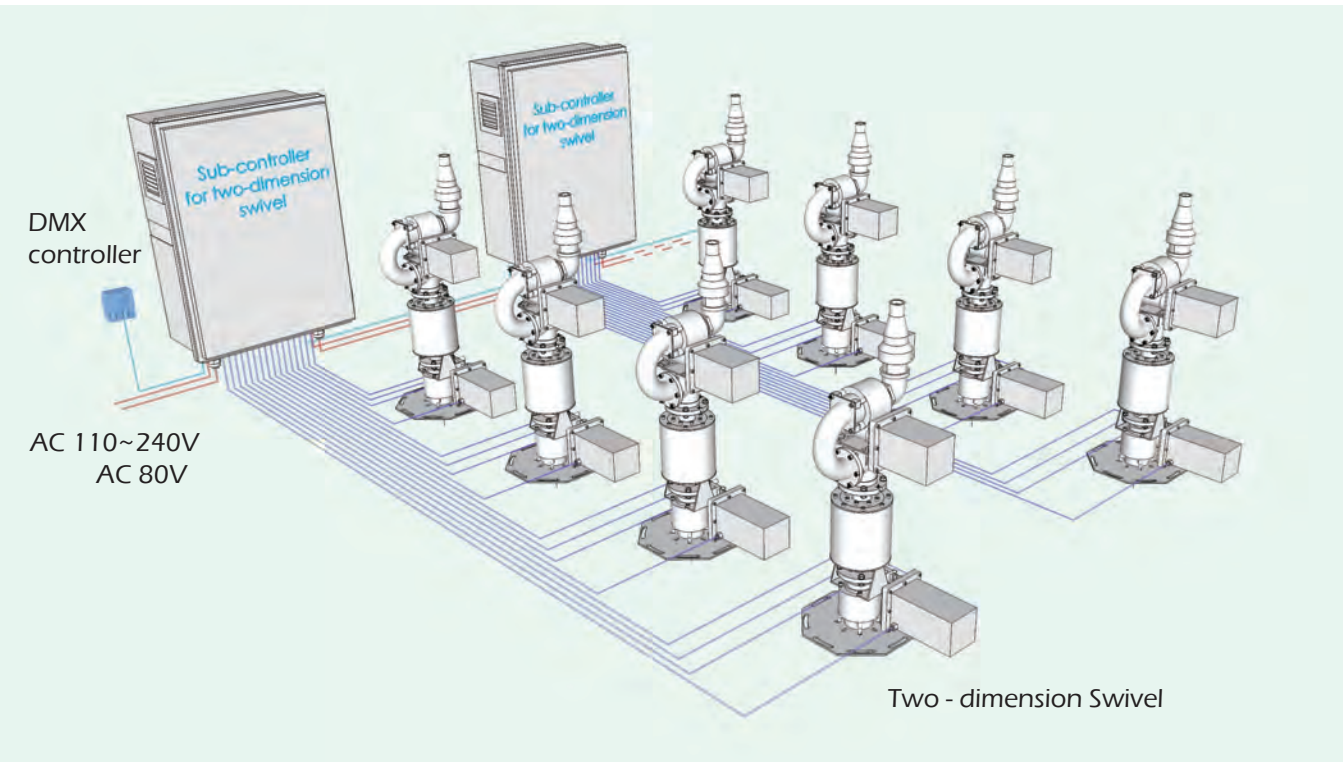
SPECIFICATION

Model	SC8-O300A80
I/O Signal	DMX 512
Input Voltage (Control)	110-240V AC
Input Voltage (Stepper motor)	80V AC
Loops of Output	8
Power Output per Loop	300W
Output Current per Loop	4A
Output Voltage (Sensor)	24V DC
Output Voltage (Stepper motor)	80V AC
Temperature	-10~+50 °C
Humidity	20~90 %RH
Cooling	Built-in cooling fan
Dimensions (L x W x H) (mm)	830 x 630 x 300
Weight	35 kg
Material	ABS
Color	Creamy white

SC Series DMX Sub-controller

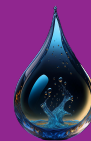
DMX Sub-controller for Two-dimension Swivel

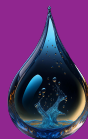
There are 4 output connections per sub-controller for two-dimension swivel – each two-dimension swivel can be individually controlled.



SPECIFICATION

Model	SC4-T700A80
I/O Signal	DMX 512
Input Voltage (Control)	110-240V AC
Input Voltage (Stepper motor)	80V AC
Loops of Output	4
Power Output per Loop	700W
Output Current per Loop	9 A
Output Voltage (Sensor)	24V DC
Output Voltage (Stepper motor)	80V AC
Temperature	-10~+50 °C
Humidity	20~90 %RH
Cooling	Built-in cooling fan
Dimensions (L x W x H) (mm)	830 x 630 x 300
Weight	35 kg
Material	ABS
Color	Creamy white



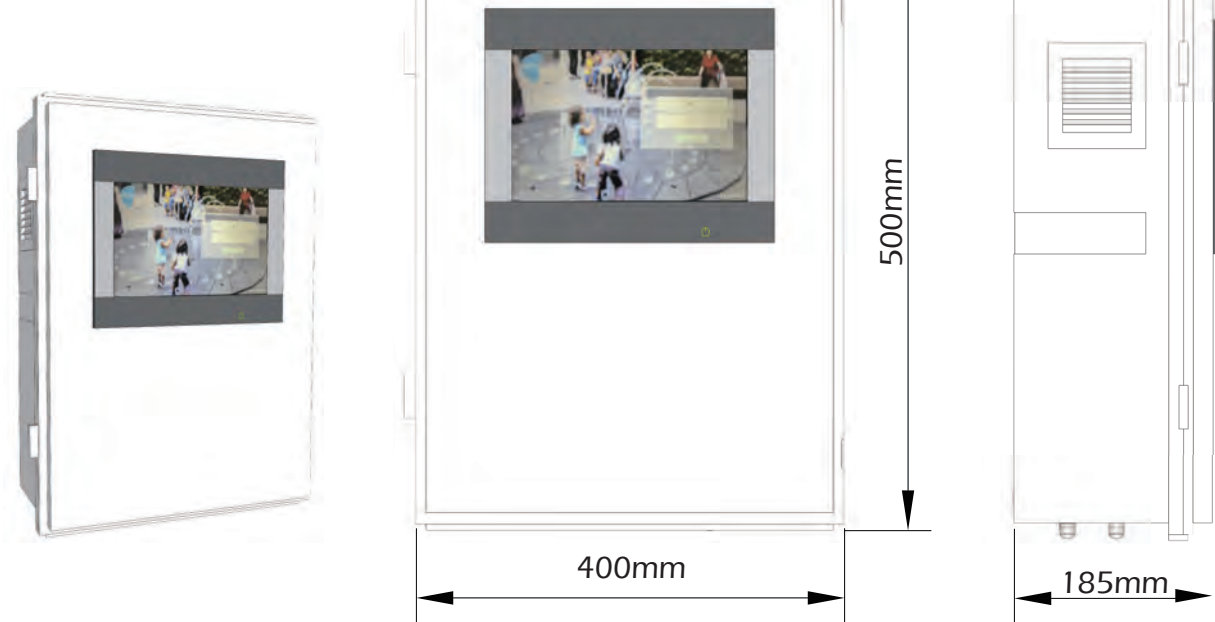


Intergrated control system

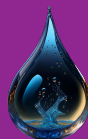
ICS1024/ICS1024M-2/ICS512-2

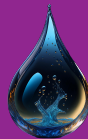


Dimension



INTEGRATED CONTROL SYSTEM	ICS1024	ICS1024M-2	ICS512-2
Dimensions (L x W x H) (mm)	400x185x500	400x185x500	400x185x500
Weight	10.2 kg	10.2 kg	10.2 kg
Housing	ABS	ABS	ABS
Protection class	IP20	IP20	IP20
Backup Battery	3V lithium battery CR2032 x 1	—	—
Backup Battery Life	It depends on the temperature used and the conditions of usage, about 3 years or more at 25°C	—	—
Storage Temperature	0-50°C	0-50°C	0-50°C
Operation temperature	0-40°C/0-80°C humidity non-condensed	0-40°C/0-80°C humidity non-condensed	0-40°C/0-80°C humidity non-condensed
Power supply	220V AC	220V AC	220V AC
Outputs	16 x Digital out	8 x Digital out	8 x Digital out
Inputs	16 x Digital in	12 x Digital in	12 x Digital in
Memory	Micro SD-Card for Show-Files	Micro SD-Card for Show-Files	Micro SD-Card for Show-Files
Operation	HMI	HMI	HMI
Audio	—	Yes	—
Standalone shows	ARC-Stream file& Audio file	WDS file	WDS file
Interface	2x512DMX channels for ICS1024M /ICS1024	2x512DMX channels for ICS1024M-2 1x512DMX channels for ICS512-2	2x512DMX channels for ICS1024M-2 1x512DMX channels for ICS512-2
Scheduler	General 10 nos. / Special 1 no.	General 10 nos. / Special 1 no.	General 10 nos. / Special 1 no.
Action Manager & monitor	Event Actions: Digital Inputs can be linked with actions (water level) and monitor	Event Actions: Digital Inputs can be linked with actions (water level) and monitor	Event Actions: Digital Inputs can be linked with actions (water level) and monitor
Software	Windows 10 or better	Windows 10 or better	Windows 10 or better





DMX & RDM Controller

V:Nano 512/V:Nano 1024 music



Ideal rolls out its new DIN-rail fanless ruggedized embedded systems with extra low power CPU chipset, the V:Nano 512 / V:Nano 1024 music. Made for the rugged environment, this compact unit supports wide temperature range and features DMX 512/1990 ports, isolated Ethernet port 10/100 Mbit, Micro SD card slot, 2x 16 LCD segment display.

Its 8 x digital and 8 x analog I/O makes this unit the perfect tool for all stand alone fountain multimedia show Installations.The DIN-rail hardware family is compatible to all Depence architect or ultimate versions.

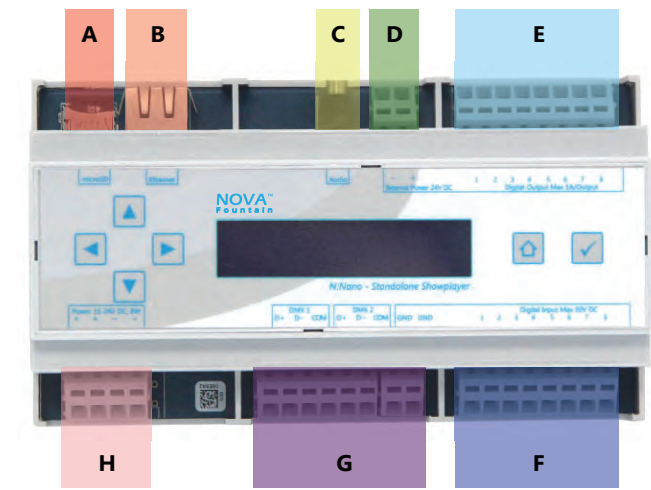
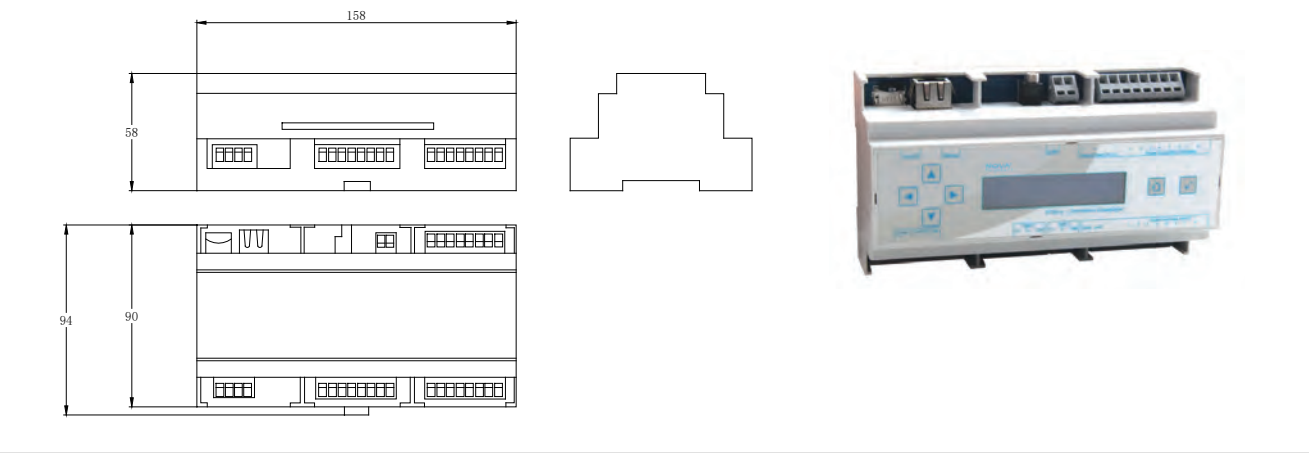
Show Upload can be done via SD Card or local network.Windows Remote Live Panel Software and Service tools will be shipped with this package as well.

- ◆ Standalone Multimedia Showplayer
- ◆ 512/1024 DMX output channels
- ◆ Audio Output(V:Nano 1024 only)
- ◆ Time Schedule with internal clock
- ◆ Show upload via MicroSD-Card or Ethernet
- ◆ 8x Digital Input and 8x Digital Output
- ◆ DIN-Rail mounting
- ◆ Live-Panel functionality via Remote Software
- ◆ Easy to use front panel setup
- ◆ ArtNET Node functionality

Made in Germany

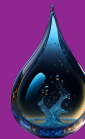
DIMENSIONS

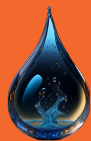
Unit: mm



- A:MicroSD Card Slot-Any number of shows or sequences for a project can be saved in the micro SD card(4GB included)
- B:Ethernet 10/100 Mbit-update shows
- C:Audio output 3.5mm Jack Plug(V:Nano 1024 music only)
- D:External Power 24V DC
- E:8x digital output max 1A/Output
- F: Digital Input max.24V DC
- G:DMX512/1990 (“V:Nano 512”512 chanel/“V:Na-no 1024 music”1024 channel)
- H:Power input 15-24V DC,8W

DMX & RDM Controller	V:Nano 512	V:Nano 1024 music
Dimensions (L x W x H)	160 x 90 x 58 mm	
Weight	0.33 kg	
Housing	Polycarbonate Light grey/white/blue for top-hat rail mounting	
Protection class	IP20	
Power supply	15..24V DC/ 8W	
Operation temperature	0..40°C / 0..80% humidity non-condensed	
Certification	CE	
Outputs	DMX 512/1990 512 channel 8 x Digital Out (Clamps 24V DC/ 1A max., optically isolated)	DMX 512/1990 1024 channel 8 x Digital Out (Clamps 24V DC/ 1A max., optically isolated) 1 x Stereo Audio (3,5 mm jack plug, galvanic isolated)
Inputs	8 x Digital In (Clamps 24V DC., optically isolated)	
Others connections	Ethernet RJ45 10/100Mbit	
Memory	MicroSD-Card	
Operation	2 x 16 Segment LCD Display with 6 keys	





Y-Strainer

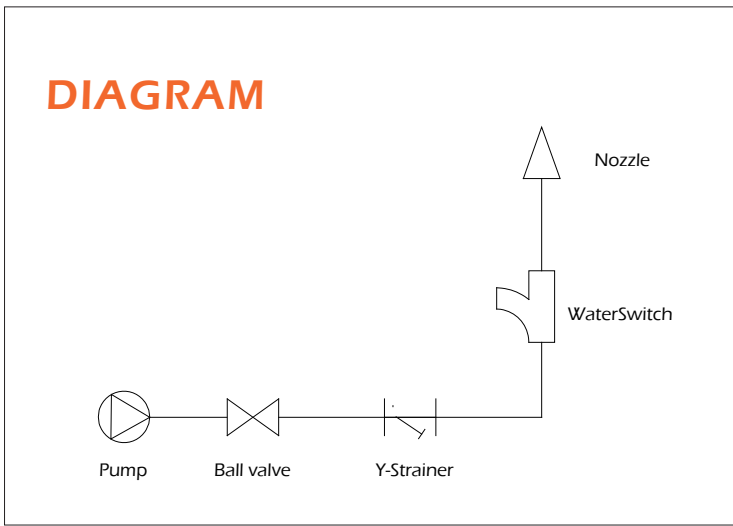
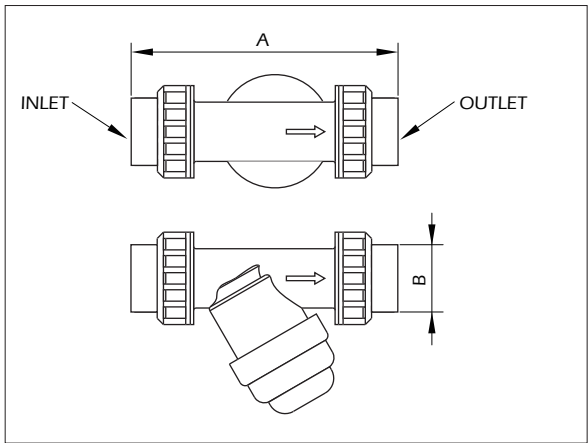
The Y-strainer is designed to be used with nozzle to protect nozzles from clogging:

CHARACTERISTICS

- ◆ Available in various sizes and flows.
- ◆ Can be combined with other Y-strainer products to increase filtration.
- ◆ Made of plastic.

DIMENSIONS

Type	Inlet	Outlet	A dim (mm)	B dim (mm)	Mesh Opening Size(mm)
Y25	De32	De32	186	150	1
Y32	De40	De40	223	147	1
Y40	De50	De50	234	163	1



Swivel Connector

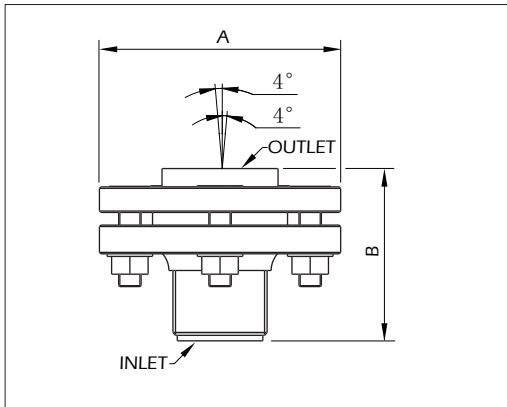
Connects to the bottom of nozzles to help directional alignment after installation:

CHARACTERISTICS

- ◆ Adjusts up to 4° from center line.
- ◆ Made of stainless steel fitted

DIMENSIONS

Type	Inlet	Outlet	A dim (mm)	B dim (mm)
SJ25	G1"	G1"	84	60
SJ40	G1 1/2"	G1 1/2"	102	81
SJ50	G2"	G2"	117	77



Quick Connector

Two parts respectively connect to the pipe and the bottom of nozzle to help install and dismantle

CHARACTERISTICS

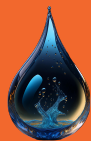
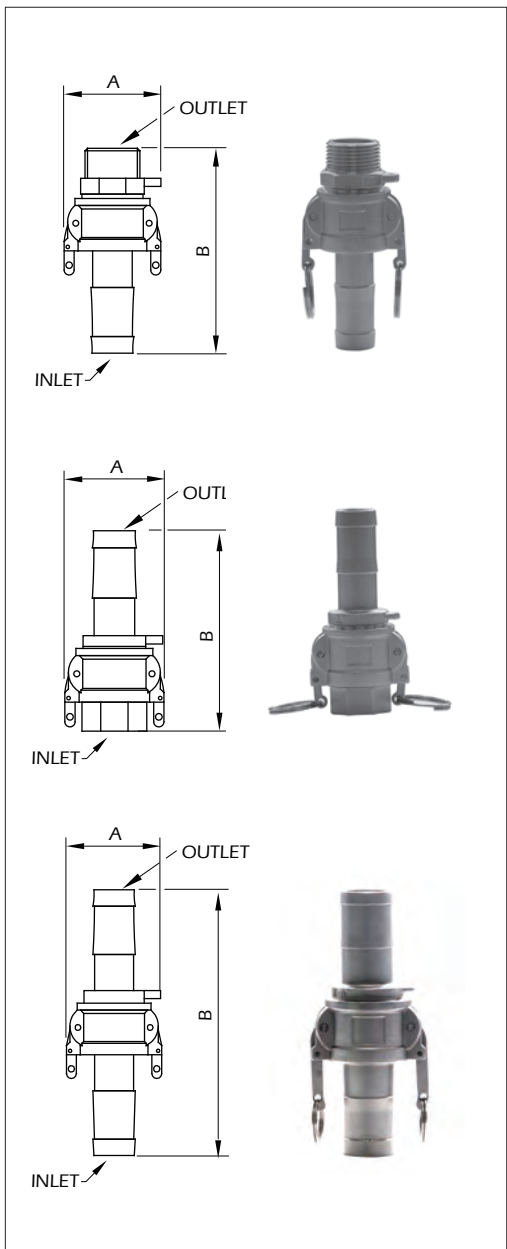
- ◆ Made of stainless steel fitted
- ◆ Three kinds of outlets

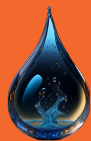
DIMENSIONS

Type	Inlet (Pagoda Joint)	Outlet (Inside Thread)	A dim (mm)	B dim (mm)
QCI25	Φ25	G1"	58	118
QCI40	Φ39.4	G1 1/2"	85	134
QCI50	Φ51.2	G2"	95	147

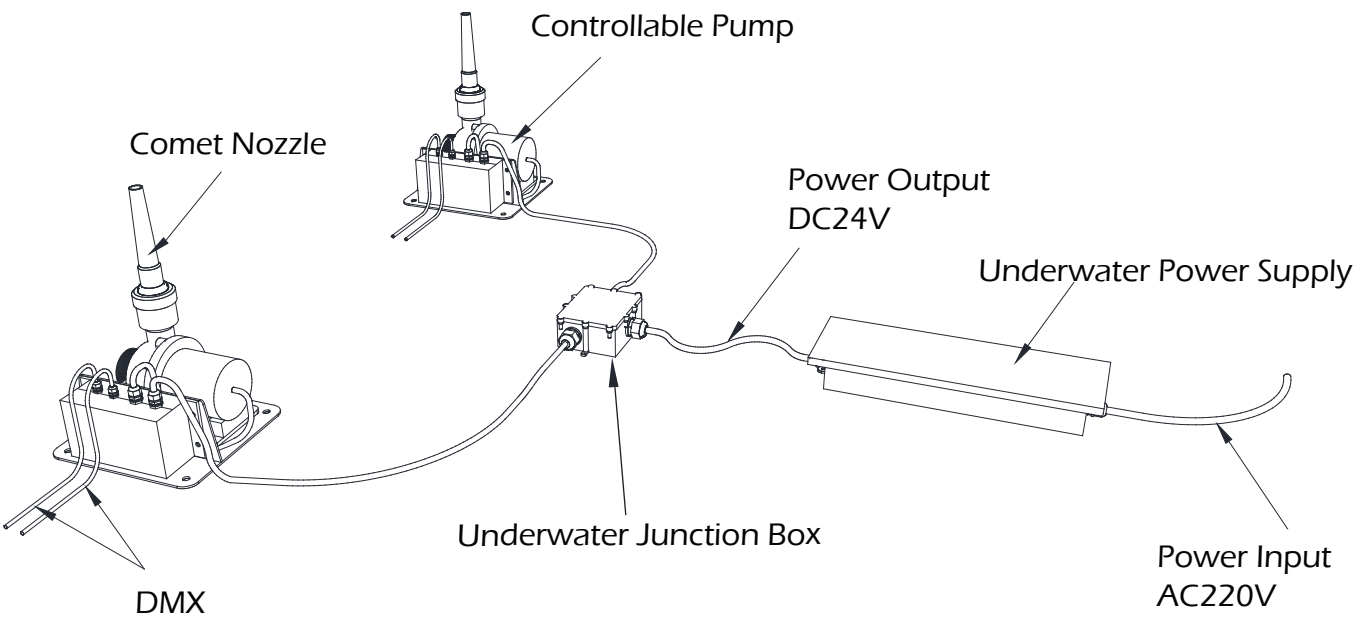
Type	Inlet (Outside Thread)	Outlet (Pagoda Joint)	A dim (mm)	B dim (mm)
QCO25	G1"	Φ25	58	123
QCO40	G1 1/2"	Φ39.4	85	140
QCO50	G2"	Φ51.2	95	160

Type	Inlet (Pagoda Joint)	Outlet (Pagoda Joint)	A dim (mm)	B dim (mm)
QCP25	Φ25	Φ25	58	162
QCP40	Φ39.4	Φ39.4	85	180
QCP50	Φ51.2	Φ51.2	95	195



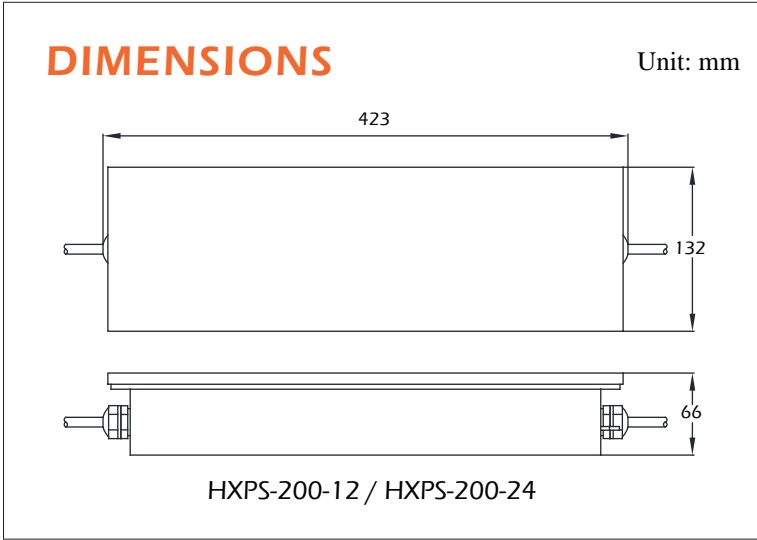


Underwater Power Supply



HXPS-200-12 / HXPS-200-24

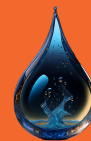
The underwater power supply HXPS-200 is fully potted power supply.It is a 200W industrial AC/DC power supply featuring the outstanding capability to operate under a harsh environment with high dust density,humidity,vibration and altitude.
The entire series is housed with a stainless steel 304 case and fully potted with epoxy resin.It guarantees a safe and long-lasting functioning under water.
Even low voltage devices can now be operated with the underwater power supply which leads to enormous reduction of time and material cost at the installation sites.

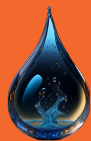


CHARACTERISTICS

- ◆ Constant Voltage & Constant current mode output.
- ◆ No load / Standby power consumption<0.5W
- ◆ IP68 design. Rating for underwater intallation.
- ◆ Typical lifetime > 40000 hours.
- ◆ Cable type(Input):1.5m STW 18AWG/3C
- ◆ Cable type(Output):1.5m STW 18AWG/2C

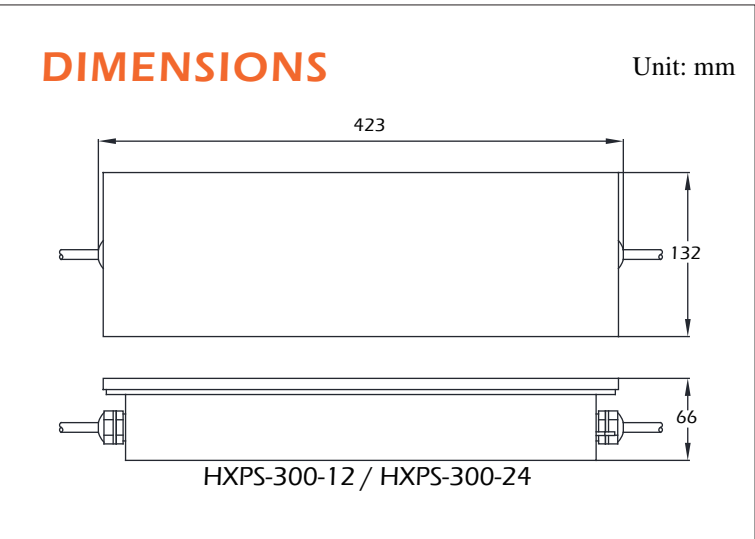
Type	HXPS-200-12	HXPS-200-24
Dimensions (L×W×H) [mm]	423×132×66	423×132×66
Nominal input voltage[V/AC]	100-305	100-305
Nominal input frequency[Hz]	47~63	47~63
Output voltage[V]	12	24
Output current[A]	16	8.4
Efficiency[%]	90	92
Protection class	IP68	IP68
Weight[kg]	5	5





HXPS-300-12 / HXPS-300-24

The underwater power supply HXPS-300 is fully potted power supply. It is a 300W industrial AC/DC power supply featuring the outstanding capability to operate under a harsh environment with high dust density,humidity,vibration and altitude. The entire series is housed with a stainless steel 304 case and fully potted with epoxy resin.It guarantees a safe and long-lasting functioning under water. Even low voltage devices can now be operated with the underwater power supply which leads to enormous reduction of time and material cost at the installation sites.



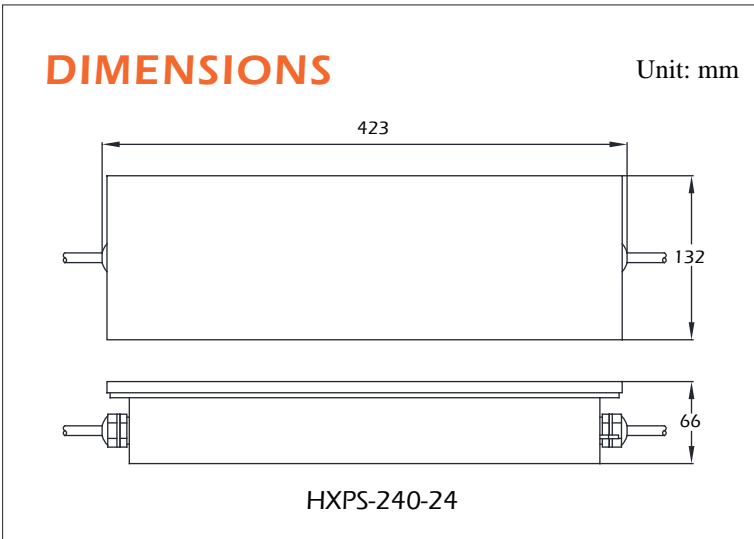
CHARACTERISTICS

- ◆ Constant Voltage & Constant current mode output.
- ◆ Protection Functions: OCP, SCP, OVP, OTP.
- ◆ IP68 design. Rating for underwater intallation.
- ◆ Typical lifetime > 40000 hours.
- ◆ Cable type(Input):1.5m STW 18AWG/3C
- ◆ Cable type(Output):1.5m STW 18AWG/2C

Type		HXPS-300-12	HXPS-300-24
Dimensions (L×W×H) [mm]		423×132×66	423×132×66
Nominal input voltage[V/AC]		100-305	100-305
Nominal input frequency[Hz]		47~63	47~63
Output voltage[V]		12	24
Output current[A]	200VAC~305VAC	22	12.5
	100VAC~180VAC	18.7	10.63
Efficiency[%]		91	94
Protection class		IP68	IP68
Immersion depth max		1 m	1 m
Weight[kg]		5	5

HXPS-240-24

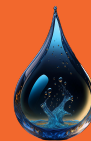
The underwater power supply HXPS-240 is fully potted power supply. It is a 240W industrial AC/DC power supply featuring the outstanding capability to operate under a harsh environment with high dust density,humidity,vibration and altitude. The entire series is housed with a stainless steel 304 case and fully potted with epoxy resin. It guarantees a safe and long-lasting functioning under water. Even low voltage devices can now be operated with the underwater power supply which leads to enormous reduction of time and material cost at the installation sites.

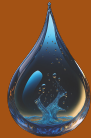


CHARACTERISTICS

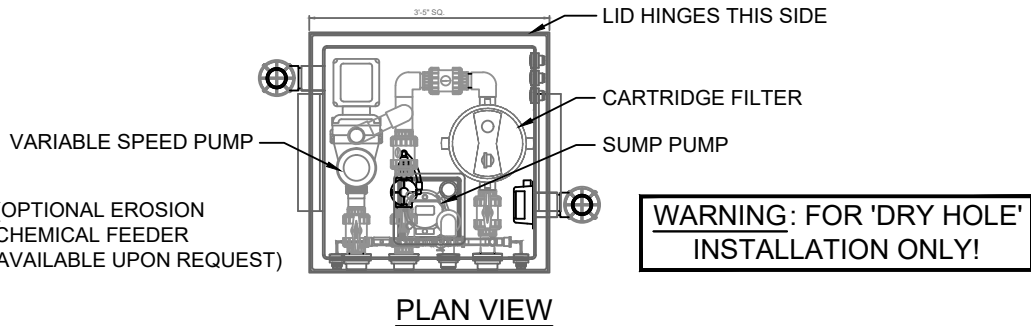
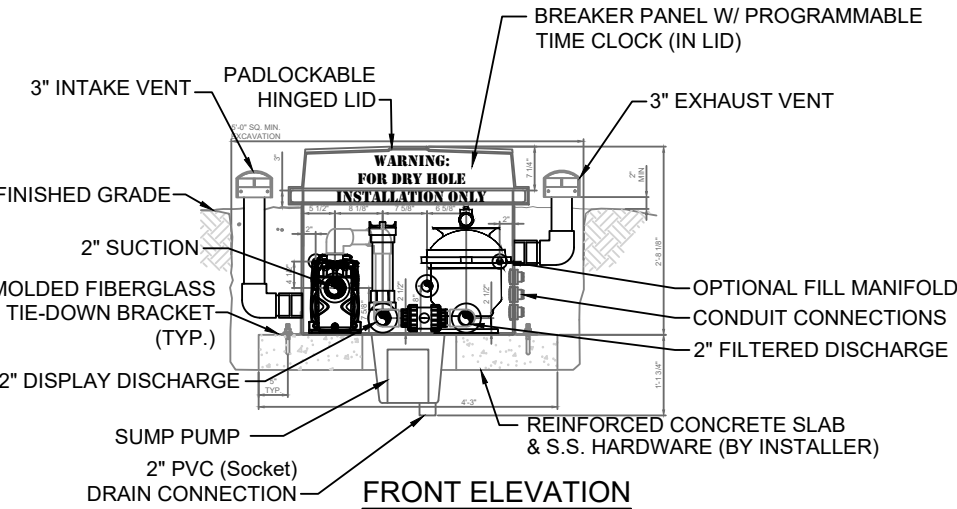
- ◆ Constant Voltage & Constant current mode output.
- ◆ No load / Standby power consumption<0.5W
- ◆ IP68 design. Rating for underwater intallation.
- ◆ Typical lifetime > 40000 hours.
- ◆ Cable type(Input):1.5m STW 18AWG/3C
- ◆ Cable type(Output):1.5m STW 18AWG/2C

Type		HXPS-240-24
Dimensions (L×W×H) [mm]		423×132×66
Nominal input voltage [V/AC]		100-305
Nominal input frequency [Hz]		47~63
Output voltage [V]		24
Output current [A]		10
Efficiency [%]		92
Protection class		IP68
Weight [kg]		5



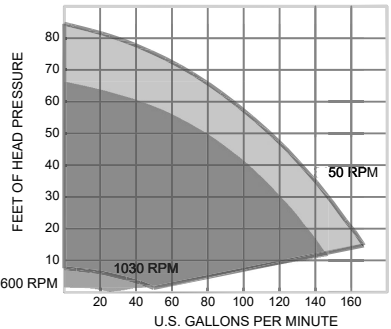
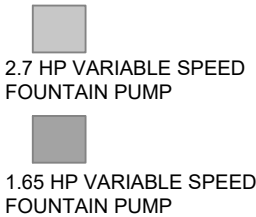


IDBV-100 SERIES (3x3)

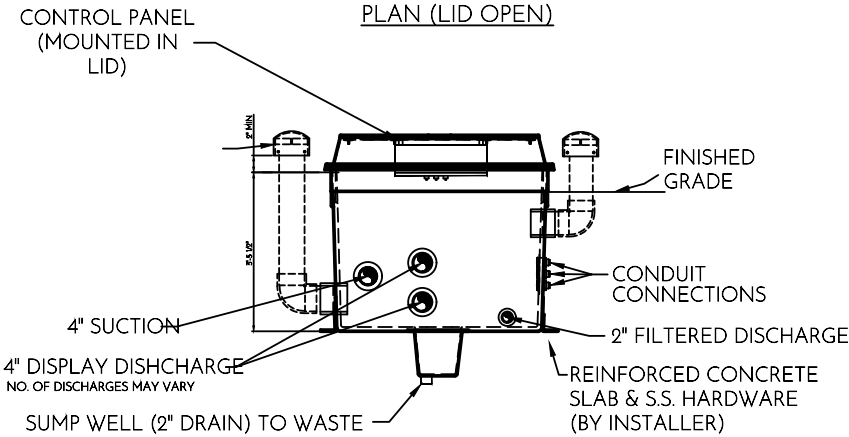
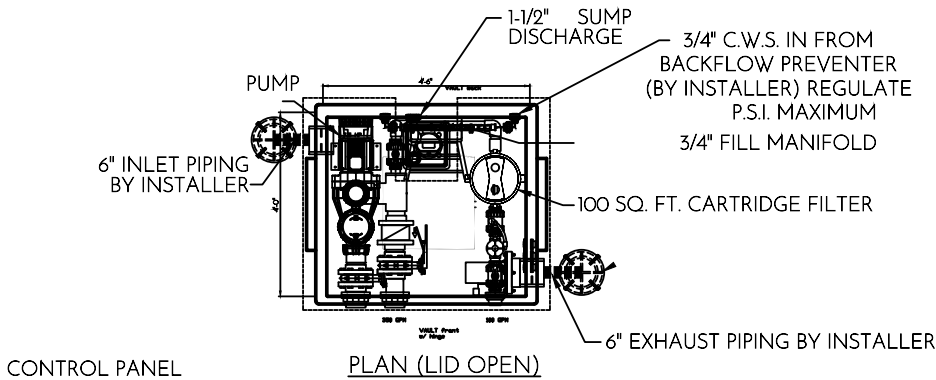


TECHNICAL DATA		
MODEL #	PUMP HP	AVAILABLE SYSTEM POWER OPTIONS
IDBV-100-2	1.7	120/208-240V, 1PH or 3PH
IDBV-100-3	2.7	120/208-240V, 1PH or 3PH
RDP-1-270-TCLC	2.7	120/208-240V, 1PH or 3PH

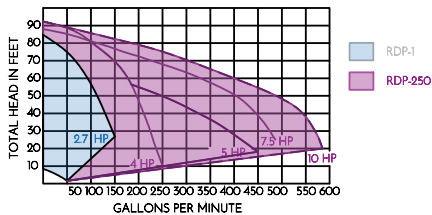
*NOTE THREE-PHASE VAULTS REQUIRE A U.L. 508 LISTED CONTROL PANEL UPGRADE.



IDBV-250 SERIES(4x4)



WARNING: FOR 'DRY HOLE' INSTALLATION ONLY!



WARNING: FOR 'DRY HOLE' INSTALLATION ONLY!

TECHNICAL DATA						
MODEL #	PUMP HP	SUCT X DISP (F) SOCKET	AVAILABLE SYSTEM OPTIONS			
			POWER	FILTRATION		
IDBV-250-400	4	4" X 4"	208-230V, 1Ø or 208-230/460, 3Ø	CARTRIDGE	SAND	BIO-BEAD
IDBV-250-500	5	4" X 4"	208-230V, 1Ø or 208-230/460, 3Ø	CARTRIDGE	SAND	BIO-BEAD
IDBV-250-750	7.5	4" X (2) 4"	208-230V, 1Ø or 208-230/460, 3Ø	CARTRIDGE	SAND	BIO-BEAD
IDBV-250-1000	10	4" X (2) 4"	208-230/460, 3Ø	CARTRIDGE	SAND	BIO-BEAD

SUCTION MUST BE INCREASED TO 6" IMMEDIATELY OUTSIDE VAULT. VFD OPTION AVAILABLE FOR ALL 3PH PUMPS

SPECIFICATION DATA: This system includes a heavy-duty FRP vault measuring 4'-0" x 4'-6" x 4'-2 3/4" deep, featuring a white gel-coated interior and a brown gel-coated exterior for durability. The vault comes with a fiberglass-reinforced plastic lid, secured with a stainless steel piano hinge and locking mechanism. Inside, it houses an ISPP-95 self-priming display pump equipped with an integral suction strainer. The system offers filtration options, including Cartridge, Sand, or Bio-Bead filters, along with 6" vent connections and a 510 CFM vent fan for proper air circulation. Also included is an IMS-075-NS, 3/4" fill manifold assembly, a 3" floor drain, and a U.L. 508-listed control panel housed in a NEMA 4 enclosure.

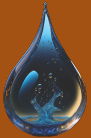
The control panel includes essential components such as a main disconnect switch, pump starter with circuit breaker, contactor, and an adjustable solid-state overload protector. Additionally, it is equipped with single-channel programmable time switches for the pump and lights, H.O.A. switches, lighting contactors (if required), G.F.C.I. breakers, and a water level/low-level cutoff control as needed. The entire unit is pre-wired, pre-plumbed with Schedule 80 PVC, and factory-tested before shipment to ensure seamless installation and operation.

- NOTES:**
- Information on this sheet represents manufacturers' typical unit. Variations may occur in specified unit to meet fountain design and mechanical requirements.
 - Hatch opening must be located in flood-safe area.
 - Slope finished grade away from pump module.
 - Protect pump module gravity drain from back flow and gas.
 - Top of pump module must be at, or below lowest pool water level.

SPECIFICATION DATA: : The Series 1 In-Ground Pump Vault features a heavy-duty FRP vault measuring 3'-5" square by 2'-8" deep, constructed with a white gel-coated interior and a brown gel-coated exterior for enhanced durability. It is furnished with a 36" square fiberglass-reinforced plastic lid, secured by a stainless steel piano hinge and lock hardware (lock provided by the installer). Housed inside is a self-priming, variable-speed display and filtration pump with an integral suction strainer. The system also includes an ICCF-050, 50 square foot cartridge filtration unit designed for effective water clarity and debris removal. Ventilation is provided through 3" vent connections paired with a 105 CFM vent fan, while a 2" floor drain ensures proper drainage within the vault. The electrical system consists of an ICCP or ILCP UL508A custom control panel, or an optional ITCP-PCLC panel, which includes UL-listed time clocks and power distribution breakers with Class A GFCI protection where required. The vault is fully pre-wired and pre-plumbed using Schedule 80 PVC and is factory tested prior to shipment to ensure quality and reliability.

DESIGN/APPLICATION DATA: Ideal Fountains IDBV-100 seriesIn-Ground Pump Stations offer a compact solution for smaller fountain projects where traditional concrete vaults are not feasible and indoor mechanical space is limited. Each system is pre-assembled and thoroughly tested at the factory to streamline installation and reduce ongoing maintenance requirements.Optional accessories such as a fill manifold, GFCI-protected lighting circuit, and erosion feeder are available upon request. Please contact Ideal Fountains for more information or to discuss specific project needs.

- NOTES:**
- Information on this sheet represents manufacturers' typical unit. Variations may occur in specified unit to meet fountain design and mechanical requirements.
 - Hatch opening must be located in flood-safe area.
 - Slope finished grade away from pump module.
 - Protect pump module gravity drain from back flow and gas.
 - Top of pump module must be at, or below lowest pool water level.



CROWNE PLAZA

