

PROGRAMMABLE SEQUENCING NOZZLES – FOR FOUNTAINS

This section shows ChoreoSwitch® products appropriate for fountains with no public access/interaction (for deck mounted/ playdeck solutions with no standing body of water see next section.)

ChoreoSwitches for fountains are available in these variations:

- 2 types of nozzle effects (Plume = Streamy or Aerator = Foamy)
- 2 different inlet sizes for effect (26mm and 39mm)
- Available in 12VDC or 24VAC

The Crystal Fountains ChoreoSwitch is an exciting sequencing* unit that produces programmed effects at high sequencing speed (up to 10 times per second producing no waterhammer).

Versatile:

- Operates under 50/60 Hz AC signal for global applications
- Multiple ChoreoSwitches can produce a wide variety of geometric patterns
- You can produce multiple heights using a variable speed drive pump
- The unit can be installed out of water or submerged to maximum water level shown

Easy Installation:

- The unit can be adjusted up to 5° for installation alignment.

Easy Maintenance:

- Know when your unit is working - the ChoreoSwitch comes with a power current verifying LED light.
- Unique to the ChoreoSwitch, a service door compartment allows easy debris clean-out for maintenance.**

Comes with an optional Quick Connection Kit (SWS100A600 - 25mm gate valve, fittings and quick disconnect Cam-lock).

Made of plastic and stainless steel complete with 3m of 1½" STW submersible cable and 3m of reinforced flexible hose. Available with brass nozzles upon request. **Water level independent.**

*Recommend filtered water supply (500 microns) using a discharge filter.

**Contact Crystal Fountains for detailed specifications, installation and operation details.

Which ChoreoSwitch Do I Need?

1. Choose Your Effect	Streamy Effect (Plume Nozzle)								Foamy Effect (Aerator Nozzle)			
	1" Water Inlet				1 ½" Water Inlet				1" Water Inlet		1 ½" Water Inlet	
2. Choose Your Size												
3. Select Voltage	12VDC		24VAC		12VDC		24VAC		12VDC	24VAC	12VDC	24VAC
4. Select Jet	Plastic Jet	Brass Jet	Plastic Jet	Brass Jet	Plastic Jet	Brass Jet	Plastic Jet	Brass Jet	Brass Jet	Brass Jet	Brass Jet	Brass Jet
5. Get Part Number	SWS127	SWS129	SWS101	SWS109	SWS139	SWS140	SWS151	SWS162	SWS145	SWS100	SWS152	SWS150

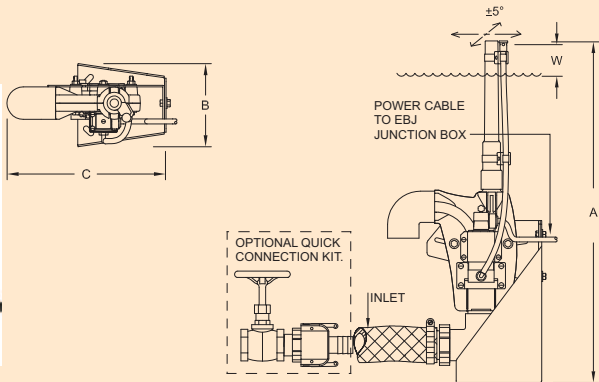
ChoreoSwitch® Sequencing Plume Nozzle



Plastic Nozzle



Brass Nozzle



ChoreoSwitch® Sequencing Plume Nozzle

DIMENSIONS

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Openings max. mm.	Exhaust	Spray height (m.)	1.6	3.1	4.6	6.1	6.8
SWS127 / SWS101 (Plastic Jet)	1"	435	134	197	26	4	Not Submerged	LPM	34.0	49.0	61.0	68.0	72.0
								Head (m.)	6.5	11.3	17.1	21.4	23.2
								Spread (cm.)	46	122	138	138	138
							Submerged	LPM	38.0	49.0	61.0	72.0	76.0
								Head (m.)	6.1	11.3	17.4	23.2	25.7
								Spread (cm.)	61	107	138	138	138

DIMENSIONS

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Openings max. mm.	Exhaust	Spray height (m.)	1.6	3.1	4.6	6.1	6.8
SWS129 / SWS109 (Brass Jet)	1"	435	134	197	26	4	Not Submerged	LPM	34.0	49.0	61.0	68.0	72.0
								Head (m.)	6.5	11.3	17.1	21.4	23.2
								Spread (cm.)	46	122	138	138	138
							Submerged	LPM	38.0	49.0	61.0	72.0	76.0
								Head (m.)	6.1	11.3	17.4	23.2	25.7
								Spread (cm.)	61	107	138	138	138

DIMENSIONS

PERFORMANCE

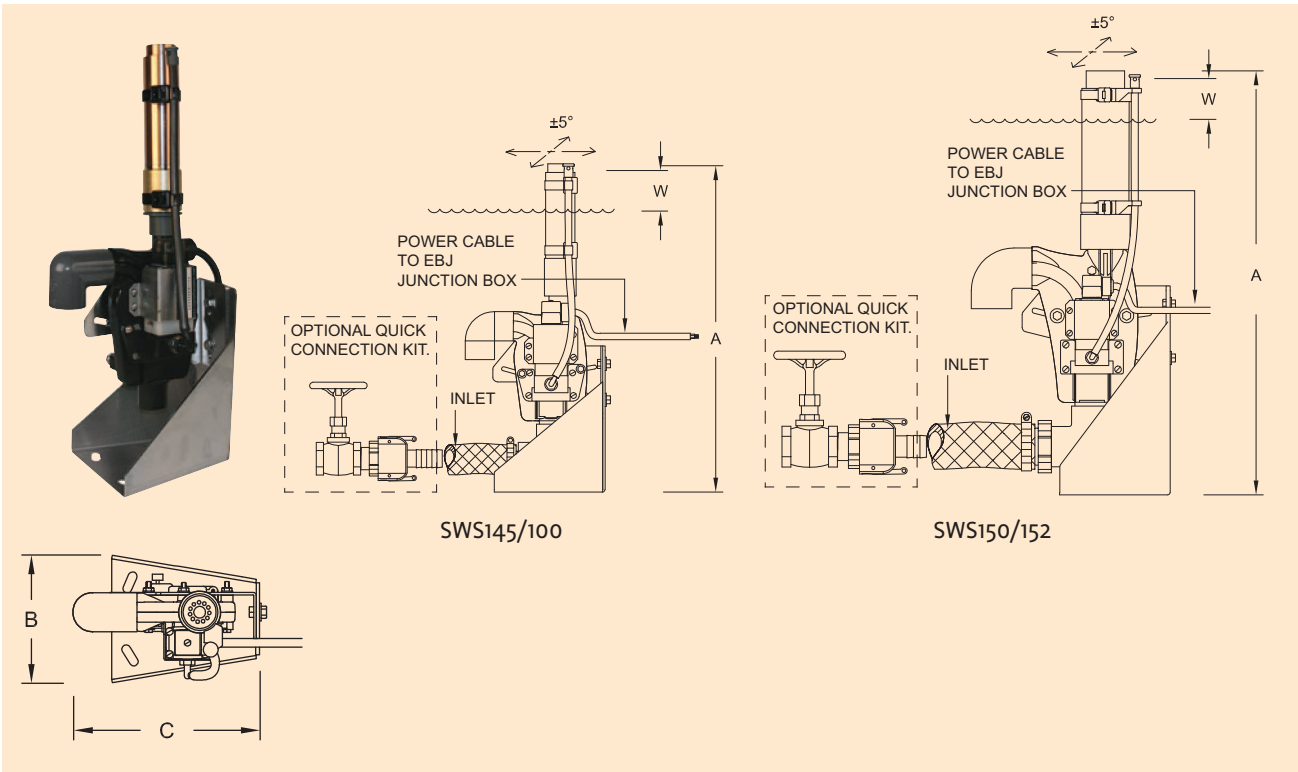
Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Openings max. mm.	Exhaust	Spray height (m.)	0.9	2.2	3.1	4.0	4.6	6.8	7.4	9.2	10.7
SWS139 / 151 (Plastic Jet)	1 1/2"	623	147	280	51	4	Not Submerged	LPM	57.0	76.0	97.0	110.0	114.0	136.0	163.0	174.0	189.0
								Head (m.)	3.1	5.1	8.1	10.3	11.6	17.4	25.7	30.8	37.5
								Spread (cm.)	46	77	138	153	153	168	305	336	366
							Submerged	LPM	55.0	81.0	95.0	110.0	117.0	148.0	185.0	201.0	220.0
								Head (m.)	3.1	5.8	8	10.4	11.9	20.8	26.6	31.1	38.1
								Spread (cm.)	46	61	138	153	153	275	305	336	366

DIMENSIONS

PERFORMANCE

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Openings max. mm.	Exhaust	Spray height (m.)	0.9	2.2	3.1	4.0	4.6	6.8	7.4	9.2	10.7
SWS140 / 162 (Brass Jet)	1 1/2"	623	147	280	51	4	Not Submerged	LPM	76.0	102.0	117.0	132.0	148.0	159.0	178.0	197.0	216.0
								Head (m.)	4.3	7.7	10.1	13.2	15.9	21.1	28.1	35.1	42.1
								Spread (cm.)	61	77	138	153	153	168	305	305	305
							Submerged	LPM	76.0	102.0	117.0	132.0	148.0	159.0	178.0	197.0	216.0
								Head (m.)	4.3	7.7	10.1	13.2	15.9	21.1	28.1	35.1	42.1
								Spread (cm.)	61	77	138	153	153	168	305	305	305

ChoreoSwitch® Sequencing Aerator Nozzle



ChoreoSwitch® Sequencing Aerator Nozzle

DIMENSIONS

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Openings max. mm.	Exhaust	Spray height (m.)	1.6	3.1	4.3
SWS145 / SWS100 (Brass Jet)	1"	464	134	197	26	4	Not Submerged	LPM	45.0	60.0	72.0
								Head (m.)	10.7	19.3	26
								Spread (cm.)	77	153	153
							Submerged	LPM	53.0	72.0	79.0
								Head (m.)	12.5	24.1	34.2
								Spread (cm.)	61	138	153

DIMENSIONS

PERFORMANCE

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Openings max. mm.	Exhaust	Spray height (m.)	1	2.2	3.1	4.6	6.1	7.7	9.2	10.7
SWS150/ SWS152 (Brass Jet)	1 1/2"	597	147	280	51	4	Not Submerged	LPM	76.0	102.0	127.0	167.0	176.0	185.0	204.0	227.0
								Head (m.)	5.1	10	13.6	28.7	34.5	40	47.3	58
								Spread (cm.)	46	77	153	153	244	305	336	366
							Submerged	LPM	79.0	114.0	140.0	174.0	193.0	212.0	223.0	229.0
								Head (m.)	5.8	11.8	17	32.4	40.9	49.4	56.4	59.8
								Spread (cm.)	46	61	138	153	244	305	336	366

How to Order

CHOOSE CHOREOSWITCH

Desired Effect	Inlet Size (b.s.p.t.)	Voltage	Jet	Part No.
Streamy Effect (Plume Nozzle)	1"	12VDC	Plastic	SWS127
			Brass	SWS129
		24VAC	Plastic	SWS101
			Brass	SWS109
	1 1/2"	12VDC	Plastic	SWS139
			Brass	SWS140
		24VAC	Plastic	SWS151
			Brass	SWS162
Foamy Effect (Aerator Nozzle)	1"	12VDC	Brass	SWS145
		24VAC	Brass	SWS100
	1 1/2"	12VDC	Brass	SWS152
		24VAC	Brass	SWS150

CHOOSE ADDITIONAL OPTIONS

Options	Part No.
Quick Connection Kit	SWS100A600

EXAMPLE OF HOW TO ORDER

Quantity	Product	Part No.
1	ChoreoSwitch for Fountain - 40 mm Streamy Effect 12VDC with Plastic Nozzle	SWS139
1	Quick Connection Kit	SWS100A600

PROGRAMMABLE SEQUENCING NOZZLES – FOR DECKS



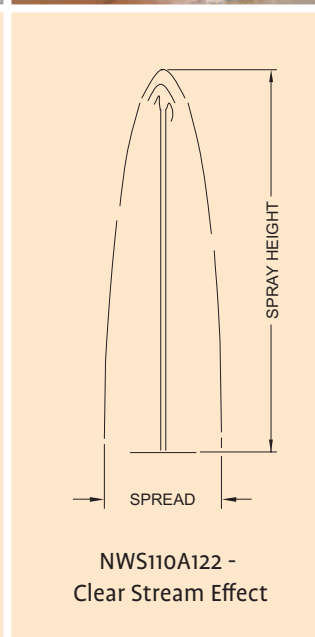
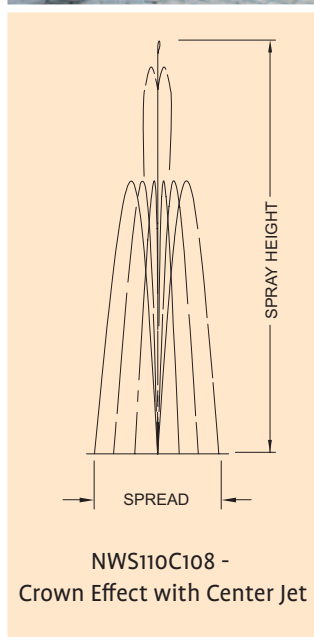
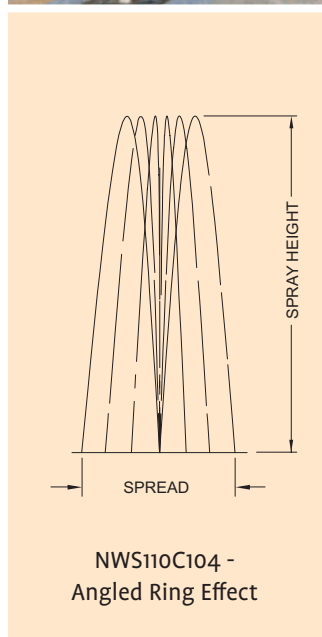
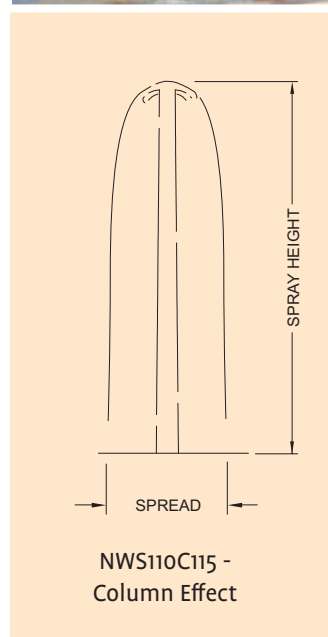
PROGRAMMABLE SEQUENCING NOZZLES – FOR DECKS

This section of ChoreoSwitches® shows products with and without built-in LED lighting along with the nozzle. These products are appropriate for suspended deck or poured deck fountains (playdecks) with no standing body of water.

ChoreoSwitches appropriate for this application come in these variations:

- Suspended Deck (slab hanger style)
- Poured Deck (niche style)
- Niches - round or square
- 4 different nozzle effects (column, angled ring, crown effect, clear stream)
- Stainless Steel finish
- 12 VDC LED RGB or white lights (with spot or flood lamps) or unlit

Not all LEDs are created equally! Crystal Fountains LED products produce a high intensity light and deliver perfect optical performance. Also, see Crystal Fountains power/data and controller products to create a complete LED system.



**Contact Crystal Fountains for detailed specification, installation and operation details.*

PROGRAMMABLE SEQUENCING NOZZLES – FOR DECKS

The Crystal Fountains ChoreoSwitch® is an exciting interactive unit that produces programmed effects at high sequencing speed (up to 10 times per second producing no waterhammer).

Safe:

- Flush-mounted nozzles mean no tripping hazards on deck for interactive play *
- 10mm opening on grate meets safety code for toe entrapment
- Deck surrounds have no water accumulation
- Safe interactive play running at 6 meters per second
- Low voltage lights are covered with lexan covers to remain cool to the touch
- Vandal resistant

Versatile:

- 12 VDC LED RGB units produce dramatic evening light shows
- Multiple ChoreoSwitches can produce a wide variety of geometric patterns
- You can produce multiple heights using a variable speed drive pump
- The unit can be installed out of water or submerged to maximum water level shown

Easy Installation:

- The unit can be adjusted up to 5° for installation alignment
- Rotating grill assembly for fine-tuning layout pattern
- Comes standard with construction covers for use during installation

Easy Maintenance

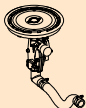
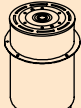
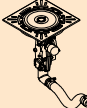
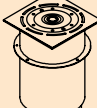
- Know when your unit is working - the ChoreoSwitch comes with a power current verifying LED light
- Unique to the ChoreoSwitch, a service door compartment allows easy debris clean-out for maintenance

Comes with optional Vandal Resistant Screwdriver (FA0342). Made of plastic and stainless steel. Niche is preassembled, slab hanger style is preassembled with 3m of STW submersible cable and 3m of reinforced flexible hose. **Water level independent.**

*For interactive play, do not exceed 6 meters per second.

**Recommend filtered water supply (500 microns) using a discharge filter.

Which Dry Deck ChoreoSwitch Do I Need?

1. Choose Your Style	ROUND TOP						SQUARE TOP					
	SLAB HANGER			NICHED			SLAB HANGER			NICHED		
2. Choose Your Application												
	No Light	White LED	RGB LED	No Light	White LED	RGB LED	No Light	White LED	RGB LED	No Light	White LED	RGB LED
3. Choose Your Lighting Effect												
4. Get Part Number	SWS115	LED180	LED182	SWS132	LED184	LED186	SWS125	LED181	LED183	SWS138	LED185	LED187

Playdeck ChoreoSwitch® Round Slab Hanger Version



DIMENSIONS

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Open- ings max. mm.
SWS115	1"	280	280	254	77 (min.)	4

DIMENSIONS

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Open- ings max. mm.
LED180	1"	280	280	254	77 (min.)	4
LED182	1"	280	280	254	77 (min.)	4

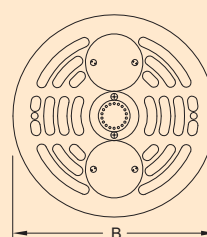
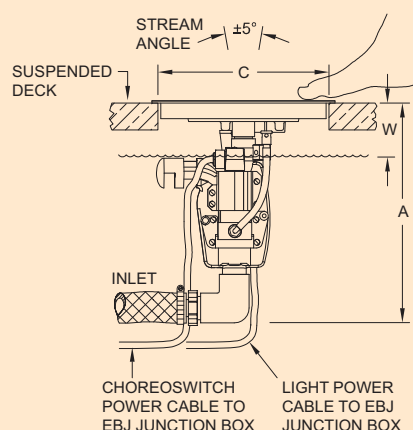
PERFORMANCE

Nozzle	Spray height (m.)		1	1.6	2.2	2.8	3.4	4.3	4.9
NWS110C115	LPM		36.0	43.0	51.0	57.0	62.0	68.0	72.0
	Head (m.)		5.4	7.8	10.4	13	16.5	21.7	24.7
	Spread (cm.)		61	77	92	122	153	183	183
Nozzle	Spray height (m.)		0.6	1	1.3	1.6	1.9	2.2	2.5
NWS110C104	LPM		28.0	36.0	40.0	47.0	49.0	53.0	59.0
	Head (m.)		3.3	5.1	6.9	9.2	10.1	11.3	14.2
	Spread (cm.)		61	92	92	122	122	138	138
Nozzle	Spray height (m.)	Plume	1	1.4	1.9	2.3	2.8	3.4	3.7
		Ring	0.5	0.6	0.8	1.1	1.3	1.6	1.9
NWS110C108	LPM		32.0	36.0	40.0	47.0	51.0	55.0	57.0
	Head (m.)		4.2	5.7	7.1	8.9	10.1	13.2	14.4
	Spread (cm.)		61	61	77	92	122	153	183
Nozzle	Spray height (m.)		1	1.6	2.2	3.1	4	4.6	
NWS100A122	LPM		28.0	36.0	40.0	49.0	57.0	60.0	
	Head (m.)		3.6	5.4	6.9	10.1	13.2	15.4	
	Spread (cm.)		46	61	61	61	92	92	

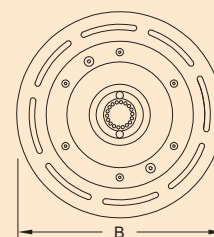
Not all LEDs are created equally! Crystal Fountains LED products produce a high intensity light and deliver perfect optical performance. Also, see Crystal Fountains power/data and controller products to create a complete LED system.



LED180/182



SWS115



LED180/182

Playdeck ChoreoSwitch® Square Slab Hanger Version



DIMENSIONS

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Open- ings max. mm.
SWS125	1"	299	286	254	77 (min.)	4

DIMENSIONS

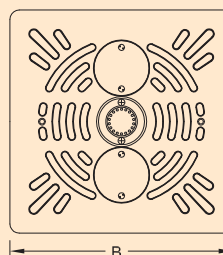
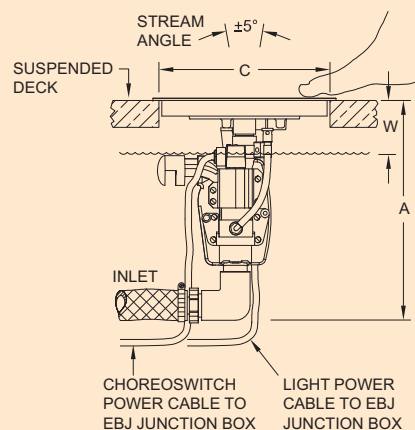
Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Suction Strainer Open- ings max. mm.
LED181	1"	299	299	254	77 (min.)	4
LED183	1"	299	299	254	77 (min.)	4

PERFORMANCE

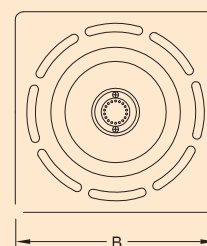
Nozzle	Spray height (m.)	1	1.6	2.2	2.8	3.4	4.3	4.9
NWS110C115	LPM	36.0	43.0	51.0	57.0	62.0	68.0	72.0
	Head (m.)	5.4	7.8	10.4	13	16.5	21.7	24.7
	Spread (cm.)	61	77	92	122	153	183	183
NWS110C104	Spray height (m.)	0.6	1	1.3	1.6	1.9	2.2	2.5
	LPM	28.0	36.0	40.0	47.0	49.0	53.0	59.0
	Head (m.)	3.3	5.1	6.9	9.2	10.1	11.3	14.2
NWS110C108	Spray height (m.)	1	1.4	1.9	2.3	2.8	3.4	3.7
	LPM	32.0	36.0	40.0	47.0	51.0	55.0	57.0
	Head (m.)	4.2	5.7	7.1	8.9	10.1	13.2	14.4
NWS100A122	Spray height (m.)	1	1.6	2.2	3.1	4	4.6	
	LPM	28.0	36.0	40.0	49.0	57.0	60.0	
	Head (m.)	3.6	5.4	6.9	10.1	13.2	15.4	
NWS100A122	Spread (cm.)	46	61	61	61	92	92	



LED181/183



SWS125



LED181/183

Playdeck ChoreoSwitch® Round Nighed Version



DIMENSIONS

Part No.	Inlet (b.s.p.t.)	Electrical Connection (mm)	Drain Connection (mm)	a dim. (mm)	b dim. (mm)	c dim. (mm)	d dim. (mm)	Suction Strainer Openings max. mm.
SWS132	1"	20	77	407	331	293	112	4

DIMENSIONS

Part No.	Inlet (b.s.p.t.)	Electrical Connection (mm)	Drain Connection (mm)	a dim. (mm)	b dim. (mm)	c dim. (mm)	d dim. (mm)	Suction Strainer Openings max. mm.
LED184	1"	20	77	407	331	280	112	4
LED186	1"	20	77	407	331	280	112	4

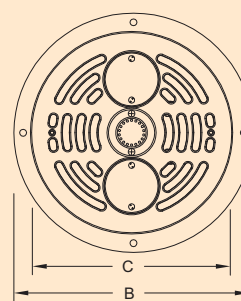
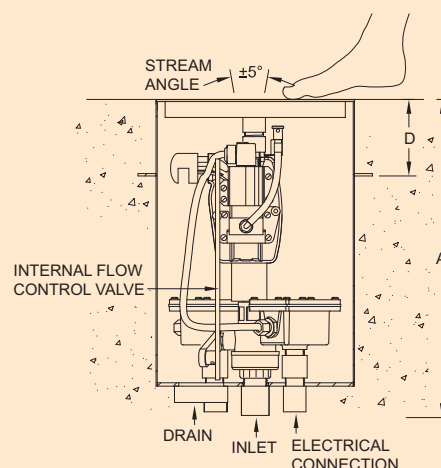
PERFORMANCE

Nozzle	Spray height (m.)	1	1.6	2.2	2.8	3.4	4.3	4.9
NWS110C115	LPM	36.0	43.0	51.0	57.0	62.0	68.0	72.0
	Head (m.)	5.4	7.8	10.4	13	16.5	21.7	24.7
	Spread (cm.)	61	77	92	122	153	183	183
NWS110C104	Spray height (m.)	0.6	1	1.3	1.6	1.9	2.2	2.5
	LPM	28.0	36.0	40.0	47.0	49.0	53.0	59.0
	Head (m.)	3.3	5.1	6.9	9.2	10.1	11.3	14.2
NWS110C108	Spray height (m.)	Plume	1	1.4	1.9	2.3	2.8	3.4
		Ring	0.5	0.6	0.8	1.1	1.3	1.6
	LPM	32.0	36.0	40.0	47.0	51.0	55.0	57.0
NWS100A122	Head (m.)	4.2	5.7	7.1	8.9	10.1	13.2	14.4
	Spread (cm.)	61	61	77	92	122	153	183
NWS100A122	Spray height (m.)	1	1.6	2.2	3.1	4	4.6	
	LPM	28.0	36.0	40.0	49.0	57.0	60.0	
	Head (m.)	3.6	5.4	6.9	10.1	13.2	15.4	
NWS100A122	Spread (cm.)	46	61	61	61	92	92	

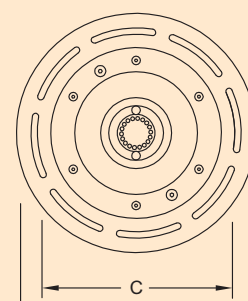
Not all LEDs are created equally! Crystal Fountains LED products produce a high intensity light and deliver perfect optical performance. Also, see Crystal Fountains power/data and controller products to create a complete LED system.



LED184/186



SWS132



LED184/186

Playdeck ChoreoSwitch® Square Niched Version



DIMENSIONS

Part No.	Inlet (b.s.p.t.)	Electrical Connection (mm)	Drain Connection (mm)	a dim. (mm)	b dim. (mm)	c dim. (mm)	d dim. (mm)	Suction Strainer Openings max. mm.
SWS138	1"	20	77	407	331	293	112	4

DIMENSIONS

Part No.	Inlet (b.s.p.t.)	Electrical Connection (mm)	Drain Connection (mm)	a dim. (mm)	b dim. (mm)	c dim. (mm)	d dim. (mm)	Suction Strainer Openings max. mm.
LED185	1"	20	77	407	331	280	112	4
LED187	1"	20	77	407	331	280	112	4

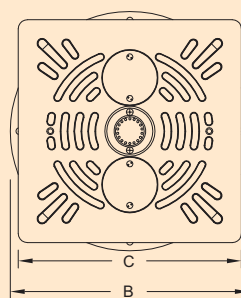
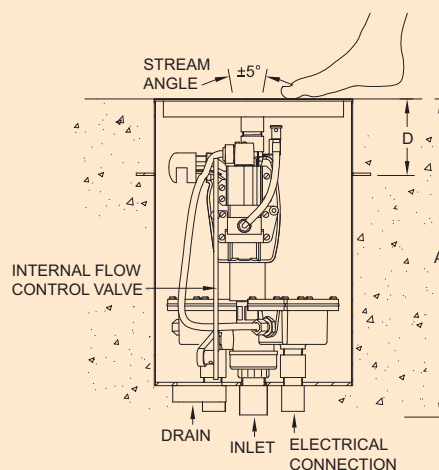
PERFORMANCE

Nozzle	Spray height (m.)	1	1.6	2.2	2.8	3.4	4.3	4.9
NWS110C115	LPM	36.0	43.0	51.0	57.0	62.0	68.0	72.0
	Head (m.)	5.4	7.8	10.4	13	16.5	21.7	24.7
	Spread (cm.)	61	77	92	122	153	183	183
NWS110C104	LPM	28.0	36.0	40.0	47.0	49.0	53.0	59.0
	Head (m.)	3.3	5.1	6.9	9.2	10.1	11.3	14.2
	Spread (cm.)	61	92	92	122	122	138	138
Nozzle	Spray height (m.)	Plume	1	1.4	1.9	2.3	2.8	3.4
		Ring	0.5	0.6	0.8	1.1	1.3	1.6
NWS110C108	LPM	32.0	36.0	40.0	47.0	51.0	55.0	57.0
	Head (m.)	4.2	5.7	7.1	8.9	10.1	13.2	14.4
	Spread (cm.)	61	61	77	92	122	153	183
NWS100A122	LPM	28.0	36.0	40.0	49.0	57.0	60.0	
	Head (m.)	3.6	5.4	6.9	10.1	13.2	15.4	
	Spread (cm.)	46	61	61	61	92	92	

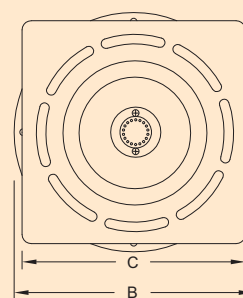
Not all LEDs are created equally! Crystal Fountains LED products produce a high intensity light and deliver perfect optical performance. Also, see Crystal Fountains power/data and controller products to create a complete LED system.



LED185/187



SWS138



LED185/187

Playdeck ChoreoSwitch® – How to Order



How to Order - Slab Hanger Version

Choose choreoswitch

Lighting	Style	Lamp	Part No.
None	Round Top	None	SWS115
	Square Top	None	SWS125
White LED	Round Top	Spot	LED180
	Square Top	Spot	LED181
RGB LED	Round Top	Spot	LED182
	Square Top	Spot	LED183

Choose cable

Cable For...	Cable Length	Part No.
No Light	3 m.	EL CORD70
	6 m.	EL CORD71
White LED	3 m.	ELCORD180M03
	6 m.	ELCORD180M06
RGB LED	3 m.	ELCORD182M03
	9 m.	ELCORD182M06

Choose nozzle

Effect	Part No.
Column	NWS110C115
Angled Ring	NWS110C104
Crown	NWS110C108
Clear Stream	NWS110A122

Choose additional options

Options	Part No.
Flood Optical Lens	LED160C006F

How to Order - Niche Version

Choose ChoreoSwitch

Lighting	Style	Lamp	Part No.
None	Round Top	None	SWS132
	Square Top	None	SWS138
White LED	Round Top	Spot	LED184
	Square Top	Spot	LED185
RGB LED	Round Top	Spot	LED186
	Square Top	Spot	LED187

Choose Nozzle

Effect	Part No.
Column	NWS110C115
Angled Ring	NWS110C104
Crown	NWS110C108
Clear Stream	NWS110A122

Choose additional options

Options	Part No.
Flood Optical Lens	LED160C006F
Vandal Resistant Driver Kit	FA0342

Example of How To Order

1	ChoreoSwitch for Deck - White LED with Square Top Niche	LED185
1	3 m. White LED Cable	ELCORD180M03
1	Crown Nozzle	NWS110C108
6	Flood Optical Lens	LED160C006F
1	Vandal Resistant Driver Kit	FA0342

SWT Series – Playdeck ChoreoSwitch® Finger Jet Version

Originally developed for the cruise ship "Oasis of the Seas" Aqua Theatre, this unique Finger Jet produces a fine spray of 17 "streams" of of water from the deck. This 12VDC jet can be sequenced in a pulsing nature or streams can be "animated" using a Variable Frequency Drive. Perfect for playdecks* or other deck-mounted fountains. Comes with easy clean debris screen. Also available in niched version. Made of 316 stainless steel. **Not Water level dependent.**

*For interactive play, do not exceed 6 m per second.

VISIBILITY

SOUND LEVEL

WIND RESISTANCE

SPLASH/MIST

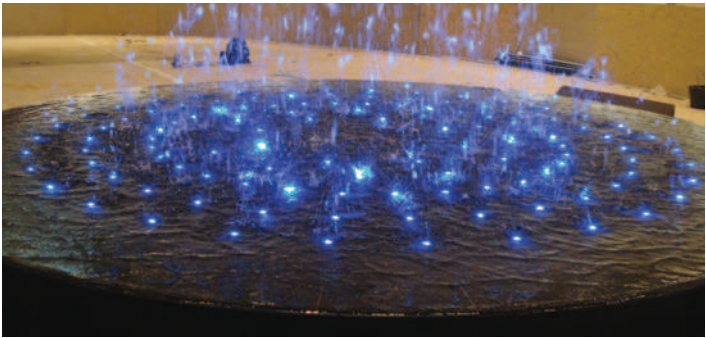
EFFICIENCY



DIMENSIONS							PERFORMANCE					
Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	d dim. (mm)	Suction Strainer Openings max. mm.	Throw (m.)	0.6	1.2	1.8	2.4	3
SWT100	1"	360	170	225	75	2	LPM	40.0	50.0	62.0	75.0	89.0
							Head (m.)	5.3	11.0	15.9	22.4	34.0
							Height (m.)	0.3	0.5	0.8	1.1	1.6
							Spread (m.)	1.2	2.1	2.7	4.3	5.2

NPN Series – Pop Nozzle Jet

The NPN Pop nozzle can be PLC controlled and is designed for playful interactive displays. A 13mm ball or slug of water appears at the top of the water surface while each nozzle requires only 9 LPM. Water ball shape and height can be adjusted using the activation timing and inlet water pressure. Suitable for underwater and drydeck applications*, the Pop Nozzle produces a gently mesmerizing effect with low LPM requirements. Available in 12 and 24 VAC and either Wall or Floor Mounting. Not water level dependent.



The NPN Pop Nozzle is also available with custom pipe or niche mounting. Contact Crystal Fountains for more details.

*For interactive play, do not exceed 6 m per second.

DIMENSIONS												PERFORMANCE			
Part No.	Water Inlet (b.s.p.t.)	Voltage	Watts Hold	Watts in Rush	a dim. (mm)	b dim. (mm)	c dim. (mm)	w dim. (mm)	Valve	Filtration Required	Mounting	Spray height (m.)	0.3	0.6	1
NPN025	¼"	12 VAC	11 VA	20 VA	204	242	51	4 to 10	2 Way	500 Micron (max.)	Wall	LPM	8.0	8.0	8.0
												Head (m.)	11.3	21.1	28.1
												Spread (m.)	1.3	1.6	1.9
NPN026	¼"	24 VAC	11 VA	20 VA	204	242	51	4 to 10	2 Way	500 Micron (max.)	Wall	LPM	8.0	8.0	8.0
												Head (m.)	11.3	21.1	28.1
												Spread (m.)	1.3	1.6	1.9
NPN029	¼"	12 VAC	11 VA	20 VA	204	127	105	4 to 10	3 Way	500 Micron (max.)	Floor	LPM	8.0	8.0	8.0
												Head (m.)	11.3	21.1	28.1
												Spread (m.)	1.3	1.6	1.9
NPN030	¼"	24 VAC	11 VA	20 VA	204	127	105	4 to 10	3 Way	500 Micron (max.)	Floor	LPM	8.0	8.0	8.0
												Head (m.)	11.3	21.1	28.1
												Spread (m.)	1.3	1.6	1.9

- VISIBILITY

SOUND LEVEL

WIND RESISTANCE

SPLASH/MIST

EFFICIENCY
-

