



IP68 UNDERWATER NEON

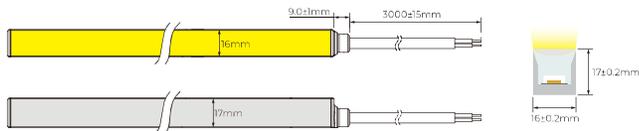
The IP68 Neon Flex series offers excellent UV resistance, chemical stability, and abrasion resistance. It's designed to withstand harsh environments, including chlorine exposure, making it ideal for swimming pools and UL676 certified.

IP68 T1617 SILICONE



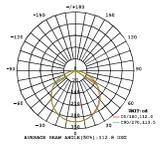
IP68 protection with advanced sealing, durable at 5m underwater.
Made from a chlorine-resistant silicone formula, resists up to 5ppm, ideal for swimming pools. Dust-resistant matte finish with a sleek look.
UL676 certified, 3 years warranty, Lifespan ≥ 30,000 hours, 1 Bin.

Dimensions



Basic Parameters

Model No.	NW-T1617 Silicone
Working Voltage	DC24V
Rated Power(w/m)	10w
Storage Temperature	-25°C~60°C
Ambient Temperature	Tamin=-25°C, Tamax (Table below)
Output	Low Output
Power(w/m)	10w
Max. Ambient tempt.(Tamax)	45°C



Light Distribution Curve
(24V, 10W, 4000K)



Single Color

Voltage	DC24 V
Circuit Design	CV/CC
Power(w/m)	10w
Max. Run Length(CC)	10m
Cutting Length	50mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2700K	776	10	77.6
	3000K	797	10	79.7
	3500K	827	10	82.7
	4000K	825	10	82.5
	5000K	818	10	81.8
--	6500K	831	10	83.1
	Red	307	10	30.7
--	Green	780	10	78.0
	Blue	164	10	16.4
--	Yellow	243	10	24.3
	Orange	285	10	28.5
--	Pink	640	10	64.0



RGBW

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	10w
Max. Run Length	5m
Cutting Length	62.5mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	50	2.5	20.0
	G	130	2.5	52.0
	B	35	2.5	14.0
	RGBW	350	10	35.0
>80	2700±150	145	2.5	58.0
	RGBW	350	10	35.0
--	R	50	2.5	20.0
	G	130	2.5	52.0
	B	35	2.5	14.0
	RGBW	370	10	37.0
>80	3000±150	150	2.5	60.0
	RGBW	370	10	37.0
--	R	50	2.5	20.0
	G	130	2.5	52.0
	B	35	2.5	14.0
	RGBW	400	10	40.0
>80	4000±300	160	2.5	64.0
	RGBW	400	10	40.0
--	R	50	2.5	20.0
	G	130	2.5	52.0
	B	35	2.5	14.0
	RGBW	400	10	40.0
>80	6500±400	160	2.5	64.0
	RGBW	400	10	40.0

DMX 512
Digital

DMX512 RGBW

Voltage	DC24V
IC Model	UCS512CL
Power(w/m)	15w
Pixel(PCs)	8PCS
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	45	5	9.0
	G	135	5	27.0
	B	30	5	6.0
	W: 4000K	150	5	30.0
	RGB	375	15	25.0

Note:

- CV: Constant Voltage CC: Constant Current.
- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

End Cap & Cable Lead Option

Cable Lead Option Integral end cap(IP68)



Front Cable Entry

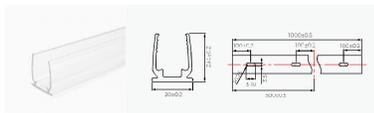


Closed End cap

Accessories

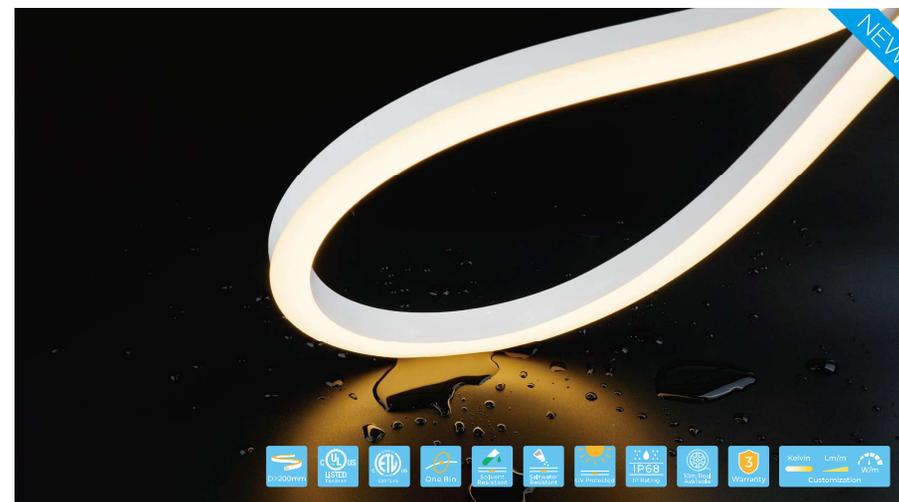


PC Profile
Length: 35X20X23.5mm
Accessories:
Screw M3X16mm (SUS304)

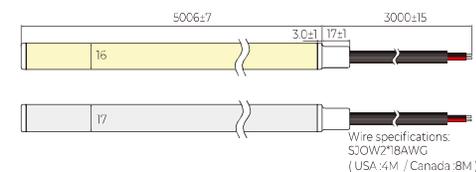


PC Profile
Length: 1000X20X23.5mm
Accessories:
Screw M3X16mm (SUS304)

IP68 S1617 SILICONE



Dimensions

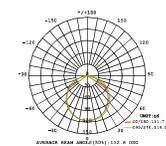


Wire specifications:
S30W2*18AWG
(USA:4M / Canada:8M)

Basic Parameters

Model No.	NW-S1617Silicone
Voltage	DC24V
Power(w/m)	5w/10W/15w
Storage Temperature	-25°C-60°C
Ambient Temperature	Tamin=-25°C, Tamax (Table below)t
Output	Std Output
Power(w/m)	10w
Max. Ambient tempt.(Tamax)	45°C

IP68 and IK08 protection with opal polyurethane encapsulation, durable at 3m underwater. UV-resistant and chemically stable against urban gases, with abrasion protection, ideal for swimming pools. Constant current IC for long runs up to 15m without voltage drop. Injection-molded end caps fit the light body and install easily on aluminum, with various wire exits for seamless, gap-free lighting. 3 years warranty, Lifespan ≥ 30,000 hours, 1 Bin.



Light Distribution Curve
(24V, 10W, 4000K)



Single Color

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	5w/10w/15w
Max. Run Length	12m/8m/6m
Cutting Length	50mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	1800±150	430	10	43.0
	2100±150	480	10	48.0
	2400±150	520	10	52.0
	2700±150	557	10	55.7
	3000±150	572	10	57.2
	3500±200	573	10	57.3
	4000 ⁺⁴⁰⁰ ₋₂₀₀	623	10	62.3
	5000 ⁺⁵⁰⁰ ₋₃₀₀	591	10	59.1
	6500±500	578	10	57.8
--	Red	258	10	25.8
	Green	660	10	66.0
	Blue	138	10	13.8
	Yellow	199	10	19.9
	Orange	237	10	23.7
	Pink	540	10	54.0



CCT Tunable

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	10w
Max. Run Length	5m
Cutting Length	62.5mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2700K	386	7.5	51.5
	6000K	419	7.5	55.9
	2700K+6000K	800	15	53.3



RGB

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	10w
Max. Run Length	5m
Cutting Length	62.5mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	60	3.3	18.1
	G	168	3.3	51.0
	B	36	3.3	10.9
	RGB	270	10	27.0



RGBW

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	15w
Max. Run Length	5m
Cutting Length	62.5mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	61	3.75	16.3
	G	154	3.75	41.0
	B	47	3.75	12.5
>80	2700±150	189	3.75	50.5
	RGBW	445	15	30.5



DMX512 RGBW

Voltage	DC24 V
IC Model	UCS512CL
Power(w/m)	15w
Pixel(PCS)	8PCS
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	39	5	7.7
	G	103	5	20.6
	B	30	5	6.0
	4000±300K	127	5	25.3
	RGBW	288	15	19.2

Note:

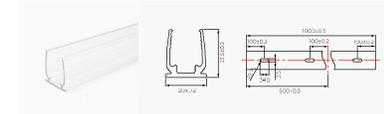
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- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.



Accessories



PC Profile
Length: 35X20X23.5mm
Accessories:
Screw M3X16mm (SUS304)

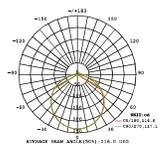


PC Profile
Length: 1000X20X23.5mm
Accessories:
Screw M3X16mm (SUS304)

IP68 T1615 PU

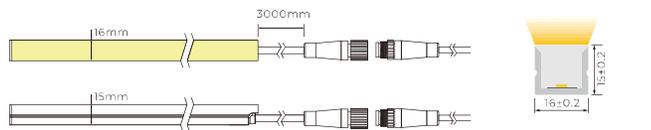


IP68 and IK08 protection with opal polyurethane encapsulation, durable at 3m underwater. UV-resistant and chemically stable against urban gases, with abrasion protection, ideal for swimming pools. Constant current IC for long runs up to 26m without voltage drop. Injection-molded end caps fit the light body and install easily on aluminum, with various wire exits for seamless, gap-free lighting. 3 years warranty, lifespan ≥ 30,000 hours, 1 Bin.



Light Distribution Curve
(24V, 10W, 4000K)

Dimensions



Basic Parameters

Model No.	NW-T1615 PU		
Voltage	DC24V		
Power(w/m)	5w/10w/15w		
Storage Temperature	-25°C~60°C		
Ambient Temperature	Tamin=-25°C, Tamax (Table below)		
Output	Low Output	Std Output	High Output
Power(w/m)	5w	10w	15w
Max. Ambient tempt.(Tamax)	50°C	45°C	35°C



Single Color

Voltage	DC24 V
Circuit Design	CV/CC
Power(w/m)	5W/10W/15w
Max. Run Length(CC)	26m/18m/14m
Cutting Length	41.67mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2700K±150	305.8	5	61.2
	3000K±200	315.5	5	63.1
	3500K±350	352.6	5	70.5
	4000K±400	343.4	5	68.7
	5000K±400	335.5	5	67.1
	6500K±600	307.8	5	61.6
	2700K±150	616.4	10	61.6
	3000K±200	654.4	10	65.4
	3500K±350	722.8	10	72.3
	4000K±400	697.5	10	69.8
	5000K±400	684.4	10	68.4
	6500K±600	637.0	10	63.7
	2700K±150	870.5	15	58.0
	3000K±200	935.7	15	62.4
	3500K±350	1036.4	15	69.1
4000K±400	1007.9	15	67.2	
5000K±400	963.9	15	64.3	
6500K±600	895.7	15	59.7	



CCT Tunable

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	15w
Max. Run Length	5m
Cutting Length	50mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2700K	392.0	7.5	52.3
	6000K	421.8	7.5	56.2
	2700K-6000K	795.0	15	53.0



RGB

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	15w
Max. Run Length	5m
Cutting Length	71.43mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	56.1	5	103.2
	G	181.5	5	242.2
	B	34.65	5	50.3
	RGB	270	15	379.5



RGBW

Voltage	DC24V
Circuit Design	CV/CC
Power(w/m)	15w
Max. Run Length(CC)	5m
Cutting Length	71.43mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	Red	83.9	3.75	22.4
	Green	189.3	3.75	50.5
	Blue	40.7	3.75	10.9
>80	W (3000K±200)	227.0	3.75	60.5
	RGBW	525.9	15	35.1

Note:

- CV: Constant Voltage, CC: Constant Current.
- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.



End Cap & Cable Lead Option

Integral End Cap (IP68)



Front Cable Entry



Side Cable Entry



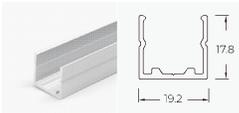
Bottom Cable Entry



Closed End cap

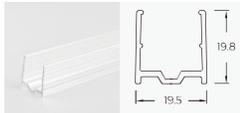


Accessories



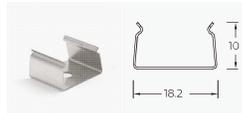
Aluminum Profile
Length: 1m/2m/3m

⚠ Aluminum profiles cannot be used in swimming pools.



PC Profile
Length: 1m/2m/3m

⚠ PC profile cannot be lifted (inverted) for use

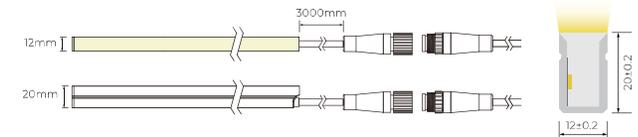


Stainless Steel Mounting clips
Length: 2cm

IP68 S1220 PU



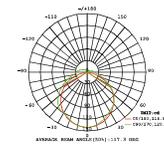
Dimensions



IP68 and IK08 protection with opal polyurethane encapsulation, durable at 3m underwater. UV-resistant and chemically stable against urban gases, with abrasion protection, ideal for swimming pools. Constant current IC for long runs up to 26m without voltage drop. Injection-molded end caps fit the light body and install easily on aluminum, with various wire exits for seamless, gap-free lighting. 3 years warranty, Lifespan ≥ 30,000 hours, 1 Bin.

Basic Parameters

Model No.	NW-S1220 PU
Working Voltage	DC24V
Rated Power(w/m)	10w
Storage Temperature	-25°C-60°C
Ambient Temperature	Tamin=-25°C, Tmax (Table below)
Output	Low Output
Power(w/m)	10w
Max. Ambient temp.(Tmax)	45°C



Light Distribution Curve
(24V, 10W, 4000K)



Single Color

Voltage	DC24 V
Circuit Design	CV/CC
Power(w/m)	5W/10W/15w
Max. Run Length(CC)	23m/16m/12m
Cutting Length	41.67mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2500K±150	206.3	5	41.3
	2700K±150	214.8	5	43.0
	3000K±200	227.9	5	45.6
	3500K±200	236.1	5	47.2
	4000K±300	231.1	5	46.2
	4500K±400	226.3	5	45.3
	5700K±500	207.9	5	41.6
	2500K±150	400.8	10	40.1
	2700K±150	429.5	10	43.0
	3000K±200	438.6	10	43.9
	3500K±200	471.3	10	47.1
	4000K±300	462.4	10	46.2
	4500K±400	456.2	10	45.6
	5700K±500	419.5	10	42.0
	2500K±150	601.2	15	40.1
	2700K±150	653.9	15	43.6
3000K±200	682.1	15	45.5	
3500K±200	696.8	15	46.5	
4000K±300	690.9	15	46.1	
4500K±400	698.3	15	46.6	
5700K±500	638.6	15	42.6	



CCT Tunable

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	15w
Max. Run Length	5m
Cutting Length	50mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2700K	272.2	7.5	36.3
	6000K	289.7	7.5	38.6
	2700K+6000K	547.7	15	36.5



RGB

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	15w
Max. Run Length	5m
Cutting Length	71.43mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	74.8	5	15.0
	G	164.4	5	32.9
	B	33.2	5	6.6
	RGB	258.3	15	17.2



RGBW

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	15w
Max. Run Length	5m
Cutting Length	71.43mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	62.2	3.75	16.6
	G	134.6	3.75	35.9
	B	29.7	3.75	7.9
>80	W (3000K±200)	157.3	3.75	42.0
	RGBW	366.3	15	24.4

Note:

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- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2KHz.



End Cap & Cable Lead Option

Integral end cap (IP68)



Front Cable Entry



Side Cable Entry



Bottom Cable Entry

Integral closed end cap



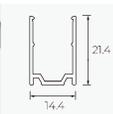
Closed End cap



Accessories



Aluminium Profile
Length: 1m/2m/3m



Curved Stainless Steel mounting profile
Length: 0.5m



Stainless Steel Mounting clips
Length: 2cm

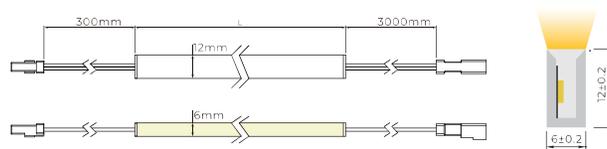
⚠ Aluminum profiles cannot be used in swimming pools.

IP68 S0612 PU



IP68 neon offers premium UV resistance. Horizontal bending in W6mm X H12mm small size with uniform light and dimmable function. Long Run Length > 10m. Production Length is up to 30m. Support freely configurable in length by small cutting increments.

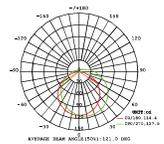
Dimensions



Basic Parameters

Model No.	NW-S0612 PU
Voltage	DC24V
Power(w/m)	8w
Storage Temperature	-25°C-60°C
Ambient Temperature	Tamin=-25°C, Tamax (Table below)

Output	Std Output
Power(w/m)	8w
Max. Ambient tempt.(Tamax)	45°C



Light Distribution Curve
(24V, 10W, 4000K)



Single Color

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	8w
Max. Run Length	5m
Cutting Length	50mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2500K±150	364.4	8	45.6
	2700K±150	383.8	8	48.0
	3000K±200	398.4	8	49.8
	3500K±250	424.2	8	53.0
	4000K±300	416.2	8	52.0
	4500K±400	402.8	8	50.4
	5700K±500	387.8	8	48.5



CCT Tunable

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	8w
Max. Run Length	5m
Cutting Length	50mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
>90	2700K	132.1	4	33.0
	6000K	142.9	4	35.7
	2700K-6000K	271.3	8	33.9



RGB

Voltage	DC24 V
Circuit Design	CV
Power(w/m)	8w
Max. Run Length	5m
Cutting Length	50mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	35.4	2.7	13.1
	G	110.9	2.7	41.1
	B	20.0	2.7	7.4
	RGB	157.6	8	19.7

Note:

- CV: Constant Voltage CC: Constant Current.
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End Cap & Cable Lead Option

Integral End Cap (IP68)



Front Cable Entry

Closed End cap



Accessories



Aluminium Profile
Length: 1m/2m/3m

Curved Stainless
Steel mounting profile
Length: 0.5m

Stainless Steel Mounting clips
Length: 2cm

⚠ Aluminium profiles cannot be used in swimming pools.