



RGBW

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

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.

Parameters

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



End Cap & Cable Lead Option

Integral End Cap (IP68)



Front Cable Entry



Side Cable Entry



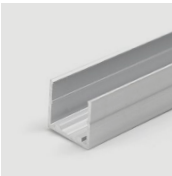
Bottom Cable Entry



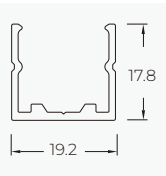
Closed End cap



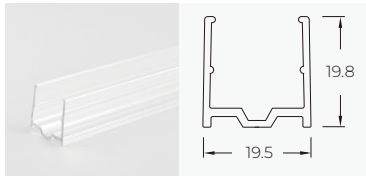
Accessories



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



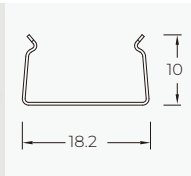
PC Profile
Length: 1m/2m/3m



△ PC profile cannot be lifted
(inverted) for use



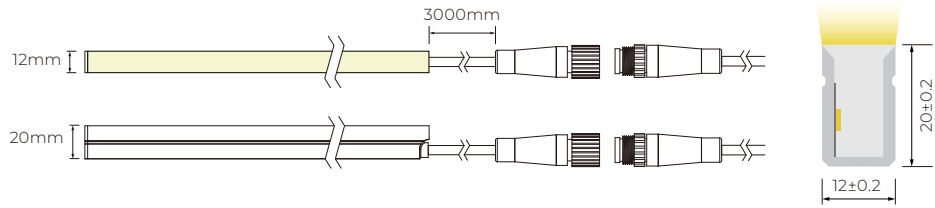
Stainless Steel Mounting clips
Length: 2cm



IP68 S1220 PU



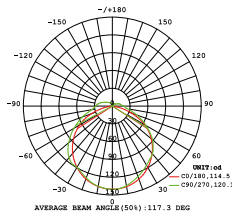
Dimensions



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, Tamax (Table below)
Output	Low 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 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)



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
>90	4000K±300	690.9	15	46.1
	4500K±400	698.3	15	46.6
	5700K±500	638.6	15	42.6

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

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

- 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.

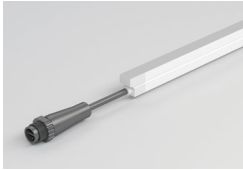
Parameters

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



End Cap & Cable Lead Option

Integral end cap (IP68)



Front Cable Entry



Side Cable Entry



Bottom Cable Entry

Integral closed end cap



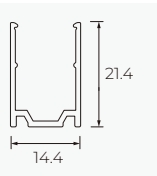
Closed End cap



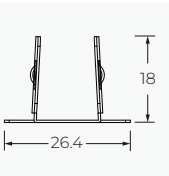
Accessories



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.



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

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



RGB

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Cutting Length	71.43mm