HELIAN

NEON LIGHT

CATALOGUE

LED Neon Light

LED Neon Light, is made by adopting dualcolor silicone integrated extrusion shaping process, and its protection grade reaches up to IP67, it has the characteristics of good protection performance, outstanding weather resistance, resistance to corrosive gases, dust proof, uniform lighting, etc. Applying to indoor and outdoor molding decoration, building outlines, city night scenes illuminating and so forth for the sake of the effect of decorative lighting.

- High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
- Unique optical light distribution structure design, uniform lighting surface and no shadow.
- Excellent toughness, simple and stylish appearance, delicate and unique.

Performance Feature

Featuring high substitutability, can achieve various lighting effects such as white light, RGB and digital toning, and it can replace the neon tube, guardrailtube, rainbow tube and so on for signage lighting/ architectural lighting/landscape lighting.

Multiple light colors

High thermal conductivity, the thermal conductivity of silicone is 0.27W/MK, better than the "0.14W/MK" of PVC, and the strip features longer effective heat dissipation life.

High thermal conductivity

Good protective performance, the main body of product and standard outlet end cap can be used in the environment up to IP67 standard, andcan pass the laboratory test standards of IP67.

Good protective performance

Outstanding weather resistance, without embrittle ment, deformation, softening and aging. And using in the environment between-20℃ ~+45℃ , it can operate normally resisting extremely cold and highheat.

Outstanding weather resistance

Resistance to corrosive gases

Resistance to corrosive gases, include chlorine, sulfur dioxide, hydrogensulfide, nitrogen dioxide and so on, the silicone neon strip with long lifespan can be used for severe environment.

Avoid dust into the neon strip, and featuring reliable sealing, up to IP6X,beautiful appearance, wide range of applications and long life span.

Dust proof

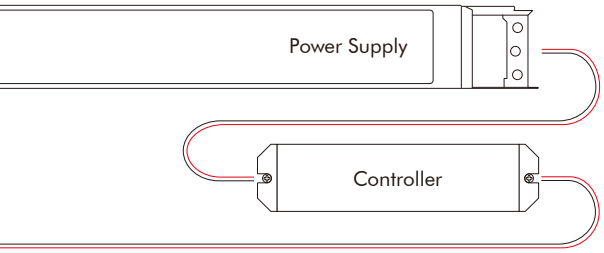
Uniform Lighting, dot-free, direct-view surface, used for highly reflectivematerial, featuring a glossy environment free from dazzling.

Uniform Lighting

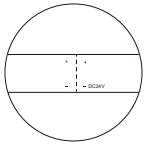
Resistance to corrosion

Featuring resistance to corrosion, the silicone can resist corrosion of normal salt, alkali and acid, can be used for special environments such as beach,yacht, chemical industry, petroleum, mine and laboratory.

Silicone Neon Strip Solution

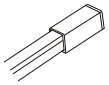


Cutting line



End cap

End cap set



End cap

End cap
(outlet from the straight direction)

End cap
(outlet from the bottom direction)

End cap
(outlet from the left direction)

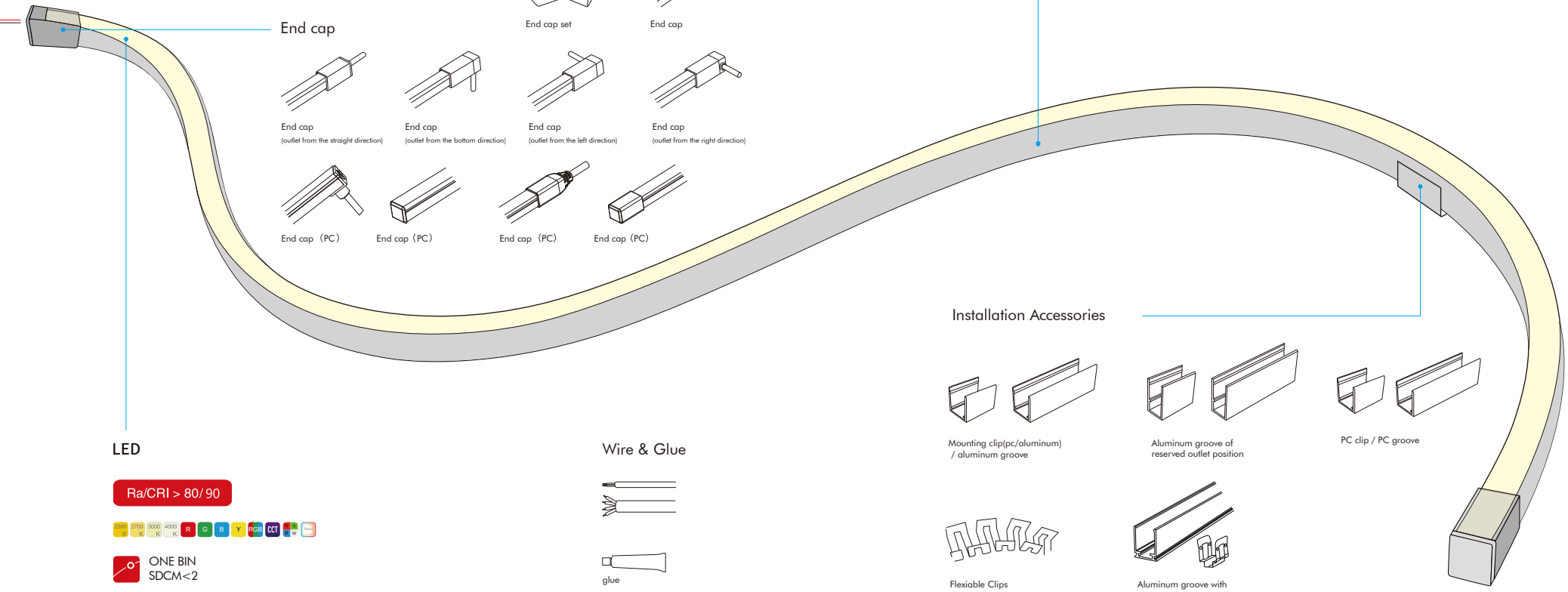
End cap
(outlet from the right direction)

End cap（PC）

End cap（PC）

End cap（PC）

End cap（PC）



LED

Ra/CRI > 80/ 90

2300 K 2700 K 3000 K 4000 K R G B Y RGB CCT RGB W

ONE BIN
SDCM<2

Wire & Glue

glue

Installation Accessories

Mounting clip(pc/aluminum)
/ aluminum groove

Aluminum groove of
reserved outlet position

PC clip / PC groove

Flexiable Clips

Aluminum groove with
reserved outlet position

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HL-N0408V24-Cxx

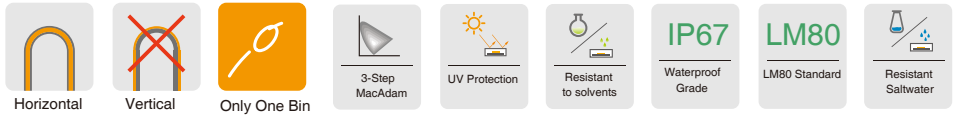
Silicone led neon light side 0408IP67, DC24V,is bending direction horizontally and front cable entry.with radius of 15mm and across section size:4mm*8mm(W*H).It is IP67 protection, never yellow, UV resistant, saltwater resistant and high temperature resistant via opal silicone coating.Uniform luminance and dot free will bring the most excellent performance for indoor& outdoor application. The product has constant voltage and constant current version.
5 years warranty.

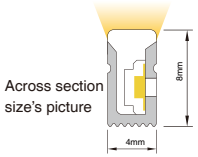
Finished CCT(K)	Ra	P/m	Lm/m	Lm/w	Max.run length	Unit cut	CC/CV
2100k$^{+200}_{-100}$	>90	6w	199	33.2	5m	25mm	CV
2400k$^{+200}_{-100}$	>90	6w	212	35.3	5m	25mm	CV
2600k$^{+200}_{-200}$	>90	6w	219	36.5	5m	25mm	CV
3000k$^{+300}_{-200}$	>90	6w	253	42.2	5m	25mm	CV
3500k$^{+400}_{-300}$	>90	6w	223	37.2	5m	25mm	CV
4200k$^{+400}_{-300}$	>90	6w	214	35.7	5m	25mm	CV
5300k$^{+400}_{-300}$	>90	6w	221	36.8	5m	25mm	CV
Red	-	6w	27	6.2	5m	25mm	CV
Green	-	6w	240	40	5m	25mm	CV
Blue	-	6w	42	7	5m	25mm	CV
Yellow	-	6w	66	11	5m	25mm	CV
Orange	-	6w	30	5	5m	25mm	CV

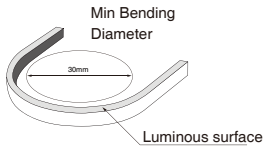
· ACCESSORIES OPTIONS

Aluminium profile

1000x6.5x7.2mm(LxWxH)







Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Working Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C, Max (Table below)
CRI	Ra90

Specification

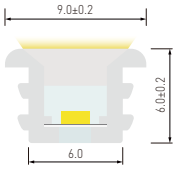
Power	6w/m
Efficacy@3000K	42lm/W
Max Ambient Temperature	55℃

Due to the tolerance of the production and electrical components, output value and electrical power can very up to 10%

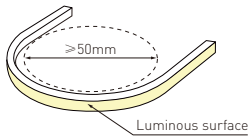
HL-ENT0606

High light transmittance, environmental protection grade silicone material,integrated extrusion molding process.
Unique optical light distribution structure design, uniform lighting surface and no shadow.
IP44 protection level, salt solution resistance, acids & alkalis and UV resistance.
Excellent toughness, simple and stylish appearance, delicate and unique.
5 years warranty.

Unit: mm



Cross section



Min bending diameter

Electrical Parameter

Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature	CRI
DC24V	Max. 65℃	-25℃~ 60℃	Min.-25°C Max(Table below)	≥90

Specification

Power(w/m)	Efficacy(lm/w)@4000K	Working temperture
Min:3w/m;Max:6w/m	66.lm/w	-25℃~ +55℃

Due to the tolerance of the production and electrical components, output value and electrical power can very up to 10%

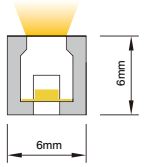
Single color

CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	CC/CV
1800 ±100	≥90	DC24V	6	288	48.0	25	5	CV
2400 ±150	≥90	DC24V	6	336	56.0	25	5	CV
2700 ±150	≥90	DC24V	6	378	63.0	25	5	CV
3000 ±150	≥90	DC24V	6	381	63.5	25	5	CV
3500 ±200	≥90	DC24V	6	378	63.0	25	5	CV
4000 ±300	≥90	DC24V	6	397	66.2	25	5	CV
5700 ±400	≥90	DC24V	6	372	62.0	25	5	CV
Red	--	DC24V	6	160	6.5	25	5	CV
Green	--	DC24V	6	402	72.5	25	5	CV
Blue	--	DC24V	6	85	14.2	25	5	CV
Yellow	--	DC24V	6	119	11.4	25	5	CV
Orange	--	DC24V	6	149	12.9	25	5	CV

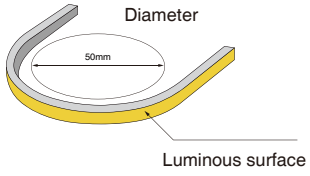
HL-N0606V24-Cxx

Silicone led neon light TOP 0606 IP67, DC24V,is bending direction Vertically and Front cable entry.with radius of 25mm and across section size:6mm*6mm/(W*H).It is IP67 protection, never yellow, UV resistant, saltwater resistant and high temperature resistant via opal silicone coating.
Uniform luminance and dot free will bring the most excellent performance for indoor& outdoor application.The product has constant voltage and constant current version.
Constant current version can connect 5meters in series with one power supply and don' t have voltage drop ,and can save the installation cost better.

Across section size's picture



Min Bending Diameter



Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Working Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C , Max (Table below)
CRI	Ra90

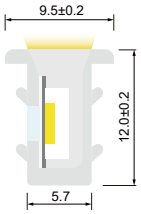
Specification

Power	6w/m
Efficacy@3200K	58lm/W
Max Ambient Temperature	55℃

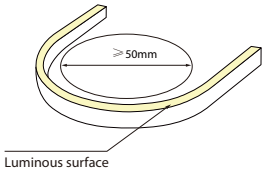
Finished CCT(K)	Ra	P/m	Lm/m	Lm/w	Max.run length	Unit cut	CC/CV
1700k$^{+200}_{-100}$	>90	6w	235	39.2	5m	25mm	CV
2200k$^{+200}_{-100}$	>90	6w	325	54.2	5m	25mm	CV
2400k$^{+200}_{-200}$	>90	6w	330	55.0	5m	25mm	CV
2600k$^{+200}_{-200}$	>90	6w	337	56.2	5m	25mm	CV
2800k$^{+200}_{-200}$	>90	6w	345	57.5	5m	25mm	CV
3200k$^{+300}_{-200}$	>90	6w	348	58.0	5m	25mm	CV
3800k$^{+400}_{-300}$	>90	6w	358	59.7	5m	25mm	CV
4400k$^{+400}_{-400}$	>90	6w	353	58.8	5m	25mm	CV
5600k$^{+400}_{-300}$	>90	6w	379	63.2	5m	25mm	CV
Red	>90	6w	43.2	7.2	5m	25mm	CV
Green	>90	6w	384	64	5m	25mm	CV
Blue	>90	6w	69	11.5	5m	25mm	CV
Yellow	>90	6w	96	16	5m	25mm	CV
Orange	>90	6w	48	8	5m	25mm	CV

HL-ENS0612V24-Cx-EN

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP44 protection level, salt solution resistance, acids & alkalis and UV resistance.
· Excellent toughness, simple and stylish appearance, delicate and unique.
· 5 years warranty.



Unit: mm
Cross section



Electrical Parameter

Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature
DC24V	Max. 65℃	-25℃~60℃	Min.-25°C Max(Table below)

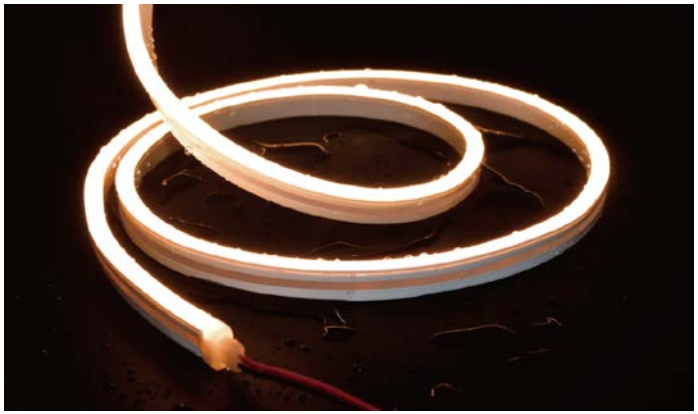
Specification

Power(w/m)	Efficacy(lm/w)@4000K	Max Ambient Temperature
10 w/m	30.3 lm/w	45℃

CCT(K)	CRI	Voltage	Power (W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length（mm）	Max. Run Length(M)	CC/CV
2700K±150	≥90	DC24V	10	277	27.7	50	5	CC/CV
3000K±150	≥90	DC24V	10	282	28.2	50	5	CC/CV
4000K±300	≥90	DC24V	10	303	30.3	50	5	CC/CV
6500K±500	≥90	DC24V	10	312	31.2	50	5	CC/CV
Red	--	DC24V	10	148	14.8	50	5	CC/CV
Green	--	DC24V	10	369	36.9	50	5	CC/CV
Blue	--	DC24V	10	86	8.6	50	5	CC/CV
Yellow	--	DC24V	10	106	10.6	50	5	CC/CV
Orange	--	DC24V	10	145	14.5	50	5	CC/CV
Pink	--	DC24V	10	270	27.0	50	5	CC/CV

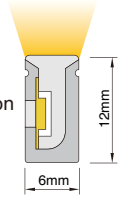
HL-N0612V24-Cxx

Silicone LED neon light side 0612 IP67, DC24V,is bending direction horizontally and Front / Side / Bottom Cable Entry.with radius of 25mm (1.97”) and across section size:6mm*12mm/0.24"*0.0.47"(W*H).It is IP67 protection, never yellow, UV resistant, saltwater resistant and high temperature resistant via opal silicone coating.Uniform luminance and dot free will bring the most excellent performance for indoor& outdoor application.The product has constant voltage and constant current version. Constant current version can connect 15meters in series with one power supply and don’t have voltage drop ,and can save the installation cost better.5 years warranty.

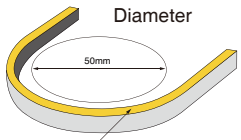


Aluminium profile

Flexible profile



Across section size’s picture



Min Bending Diameter

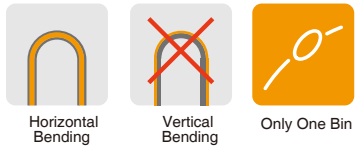
Luminous surface

Electrical Parameter

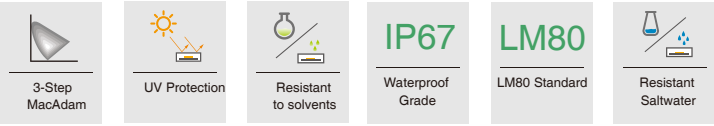
Voltage	DC24V
LED PIN Temperature	Max. 65℃
Working Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C,Max(Table below)
CRI	Ra80/Ra90 Optional

Specification

Power	5w/m	10w/m
Efficacy(lm/w)@4000K	37.2lm/w	36lm/w
Max ambient temperature	55℃	45℃



Horizontal Bending | Vertical Bending | Only One Bin

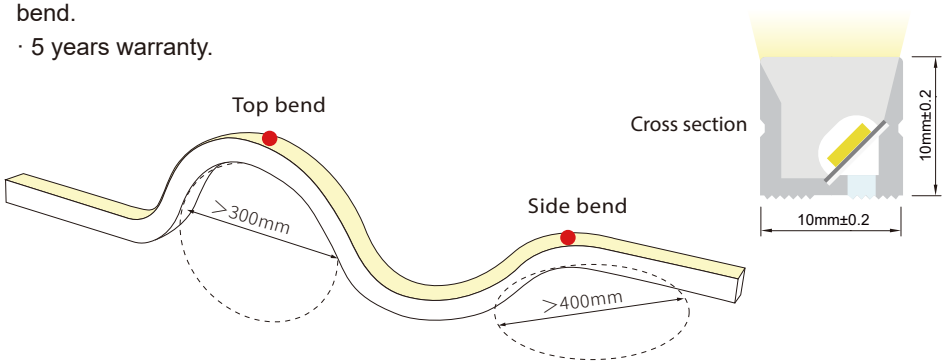


3-Step MacAdam | UV Protection | Resistant to solvents | IP67 Waterproof Grade | LM80 LM80 Standard | Resistant Saltwater

Finished CCT(K)	Unit cut (mm)	CRI	Power (W)	Lumen (LM/m)	Efficacy (LM/w)	Max.run length(m)	CV/CC
2100±100	50	>90	5 10	145 246	29.0 24.6	5	CV/CC
2400±100	50	>90	5 10	173 312	34.6 31.2	5	CV/CC
2700±100	50	>90	5 10	178 353	35.6 35.3	5	CV/CC
3000±100	50	>90	5 10	154 299	30.8 29.9	5	CV/CC
3500 +200 −100	50	>90	5 10	169 327	33.8 32.7	5	CV/CC
4000 +300 −200	50	>90	5 10	186 360	37.2 36.0	5	CV/CC
5000 +300 −200	50	>90	5 10	187 360	37.4 36.0	5	CV/CC
6000 +400 −100	50	>90	5 10	190 359	38.0 35.9	5	CV/CC
CCT	50	>90	5 10	158 269	31.6 26.9	5	CV
R	50	--	5 10	82 160	16.4 16.0	5	CV/CC
G	50	--	5 10	240 398	48.0 39.8	5	CV/CC
B	50	--	5 10	29.7 51.6	5.9 5.2	5	CV/CC
Orange	50	--	5 10	61.4 125	12.3 12.5	5	CV/CC
Pink	50	--	5 10	78 144.6	15.6 14.5	5	CV/CC
RGB	50	--	5 10	73 126.6	14.6 12.7	5	CV
RGB+W	50	--	5 10	220 415	44 41.5	5	CV

HL-N3D1010Vx-Cx

· It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transpar□ency and high strength.
· Environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis and UV resistance.
· Excellent toughness, simple and stylish appearance, delicate and unique.
· Combine with top bend and side bend, to meet the request of the different space bend.
· 5 years warranty.

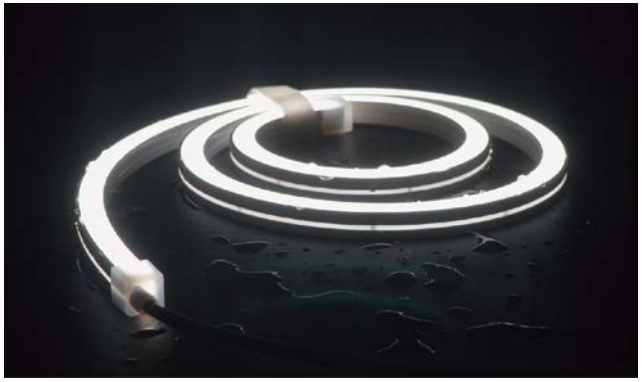


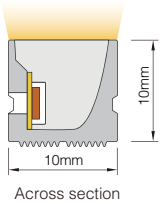
Resistant Saltwater | UV Protection | Resistant to solvents | IP67 Waterproof Grade

CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	CC/CV
2700K±150	⩾90	DC24V	10	464	46.4	35.7	5	CV
3000K±150	⩾90	DC24V	10	486	48.6	35.7	5	CV
3500K±200	⩾90	DC24V	10	491	49.1	35.7	5	CV
4000 $^{+400}_{-200}$	⩾90	DC24V	10	506	50.6	35.7	5	CV
5000 $^{+500}_{-300}$	⩾90	DC24V	10	506	50.6	35.7	5	CV
6500 $^{+200}_{-600}$	⩾90	DC24V	10	493	49.3	35.7	5	CV
Red	--	DC24V	10	168	16.8	35.7	5	CV
Green	--	DC24V	10	445	44.5	35.7	5	CV
Blue	--	DC24V	10	95	9.5	35.7	5	CV
Yellow	--	DC24V	10	110	11.0	35.7	5	CV
Orange	--	DC24V	10	147	14.7	35.7	5	CV
Pink	--	DC24V	10	371	37.1	35.7	5	CV

HL-N1010SV24-Cxx

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV.
· Excellent toughness, simple and stylish appearance, delicate and unique.
· 5 years warranty.





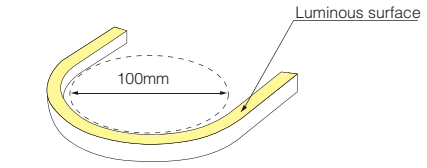
Across section

Electrical Parameter

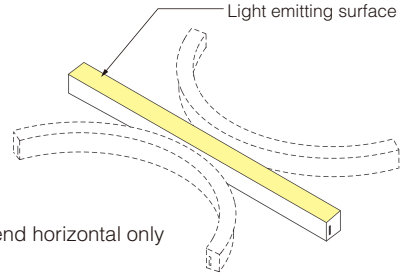
Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C ，Max (Table below)
CRI	>90

Specification

Power	5w/m	10w/m
Efficacy@4000K	68lm/w	66.1 lm/w
Max Ambient Temperature	55℃	45℃



Min bending diameter

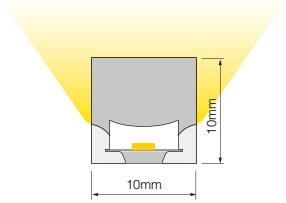


Bend horizontal only

Finished CCT(K)	Unit cut (mm)	CRI	Power (W)	Lumen (LM/m)	Efficacy (LM/w)	Max.run length(m)	CV/CC
2100 ±100	35.7	>90	5	279	55	5	CV
			10	533.4	53.34	5	
2400 ±100	35.7	>90	5	292	58	5	CV
			10	564	56	5	
2700 ±100	35.7	>90	5	298	59	5	CV
			10	571	57	5	
3000 ±100	35.7	>90	5	322	64	5	CV
			10	623	62	5	
3500 +200 -100	35.7	>90	5	306	61	5	CV
			10	593	59	5	
4000 +300 -200	35.7	>90	5	340	68	5	CV
			10	660	66	5	
5000 +300 -200	35.7	>90	5	346	69	5	CV
			10	677	67	5	
6000 +400 -100	35.7	>90	5	356	71	5	CV
			10	690	69	5	
R	35.7	-	5	140	28	5	CV
			10	275	27	5	
G	35.7	-	5	276	55	5	CV
			10	540	54	5	
B	35.7	-	5	71	14	5	CV
			10	131	13	5	
Yellow	35.7	-	5	127	25	5	CV
			10	246	24	5	
Pink	35.7	-	5	232	46	5	CV
			10	452	45	5	
Orange	35.7	-	5	130	26	5	CV
			10	240	24	5	

HL-N1010V24-Cxx

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV.
· Excellent toughness, simple and stylish appearance, delicate and unique.
· 5 years warranty.



Across section size's picture

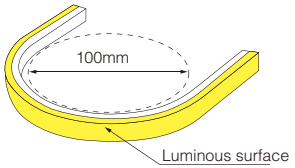
Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25℃ , Max (Table below)
CRI	>90

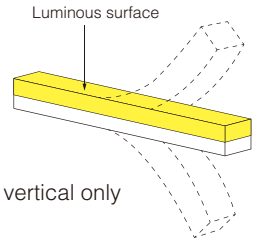
Specification

Power	5w/m	10w/m
Efficacy@4000K	85.9 lm/w	82.9 lm/w
Max Ambient Temperature	55℃	45℃

Due to the tolerance of the production and electrical components, output value and electrical power can very up to 10%



Min bending diameter

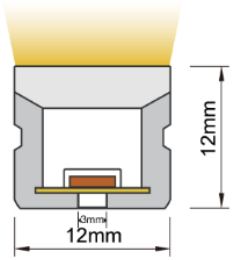


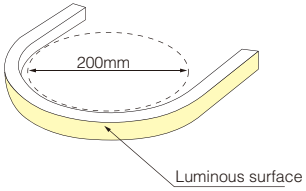
Bend vertical only

Finished CCT(K)	Unit cut (mm)	CRI	Power (W)	Lumen (LM/m)	Efficacy (LM/w)	Max.run length(m)	CV/CC
2100±100	35.7	>90	5	332.5	66.5	5	CV
			10	644.1	64.4	5	
2400±100	35.7	>90	5	354.8	71.0	5	CV
			10	684.7	68.5	5	
2700±100	35.7	>90	5	380.2	76.0	5	CV
			10	737.9	73.8	5	
3000±100	35.7	>90	5	401.6	80.3	5	CV
			10	785.9	78.6	5	
3500 +200 -100	35.7	>90	5	371.3	74.3	5	CV
			10	718.7	71.9	5	
4000 +300 -200	35.7	>90	5	429.6	85.9	5	CV
			10	828.8	82.9	5	
5000 +300 -200	35.7	>90	5	427.6	85.5	5	CV
			10	827.7	82.8	5	
6000 +400 -100	35.7	>90	5	419	83.8	5	CV
			10	810.6	81.1	5	
R	35.7	-	5	153.7	30.7	5	CV
			10	331.6	33.2	5	
G	35.7	-	5	512.7	102.5	5	CV
			10	920.8	92.1	5	
B	35.7	-	5	93.96	18.8	5	CV
			10	173.6	17.4	5	
Yellow	35.7	-	5	127.4	25.5	5	CV
			10	268.1	26.8	5	
Pink	35.7	-	5	179	35.8	5	CV
			10	347.5	34.8	5	
Orange	35.7	-	5	140	28	5	CV
			10	280	28	5	

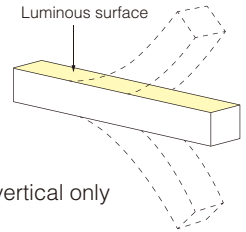
HL-N1212HV24-Cxx

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV.
· Excellent toughness, simple and stylish appearance, delicate and unique.
· 5 years warranty.





Min bending diameter



Bend vertical only

Electrical Parameter

Voltage	DC24V
LED PIN temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient temperature	Min.-25°C, Max (Table below)
CRI	>90

Specification

Power	5w/m	10w/m
Efficacy(lm/w)@4000K	95lm/w	93lm/w
Max ambient temperature	50℃	45℃

Horizontal Bending | Vertical Bending | Only One Bin | 3-Step MacAdam | UV Protection | Resistant to solvents | IP67 Waterproof Grade | LM80 LM80 Standard | Resistant Saltwater

Power (W)	CCT(K)	Lumen(LM/M)	Efficacy(LM/w)	CRI	Unit cut (mm)	Max.run length(m)
5W	2700±100	420	84	90	50	5M
	3000±100	450	90			
	3500±200	480	96			
	4000±300	475	95			
	5000±300	475	95			
	6000±300	480	96			
10W	2700±100	820	82	90	50	5M
	3000±100	880	88			
	3500±200	950	95			
	4000±300	930	93			
	5000±300	940	94			
	6000±300	950	95			

HL-N1212V24-Cxx

Silicone Ledline Flex Side1212 IP67, DC24V, has bending direction vertically and Front / Side / Bottom Cable Entry.with radius of 100mm (3.94”) and across section size:12mm*12mm/0.47"*0.47"(W*H). It is IP67 protection, never yellow, UV resistant, saltwater resistant and high temperature resistant via opal silicone coating.Uniform luminance and dot free will bring the most excellent performance for indoor& outdoor application.The product has constant voltage and constant current version. Constant current version can connect 19meters in series with one power supply and don’ t have voltage drop ,and can save the installation cost better.Unique end cap design , can install quickly and easily to meet the different length’ s request, No welding and dealing with waterproof. years warranty.

· **ACCESSORIES OPTIONS**

Aluminium profile

Flexible profile

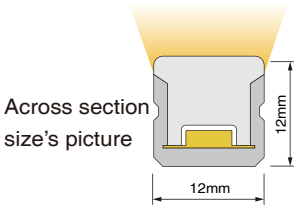
Flexible profile

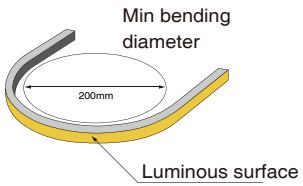
Electrical Parameter

Voltage	DC24V
LED PIN temperature	Max. 65℃
Working temperature	-25℃ ~ 60℃
Ambient temperature	Min.-25°C，Max（Table below)
CRI	Ra80/Ra90 Optional

Specification

Power	5w/m	10w/m
Efficacy(lm/w)@4000K	69.4lm/w	67.7lm/w
Max ambient temperature	50℃	45℃

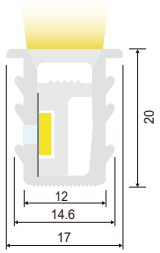




Finished CCT（K）	Unit cut (mm)	CRI	Power（W）	Lumen（LM/m）	Efficacy（LM/w）	Max.run length(m)	CV/CC
2100 ±100	50	>90	5	291	58	5	CV/CC
			10	560	56		
2400 ±100	50	>90	5	290	58	5	CV/CC
			10	563	56		
2700 ±100	50	>90	5	341	68	5	CV/CC
			10	668	67		
3000 ±100	50	>90	5	330	66	5	CV/CC
			10	639	64		
3500 +200 −100	50	>90	5	354	71	5	CV/CC
			10	662	66		
4000 +300 −200	50	>90	5	347	69	5	CV/CC
			10	677	68		
5000 +300 −200	50	>90	5	347	69	5	CV/CC
			10	682	68		
6000 +400 −100	50	>90	5	336	67	5	CV/CC
			10	662	66		
CCT	50	>90	5	316	63	5	CV
			10	646	65		
R	50	--	5	132	26	5	CV/CC
			10	277	28		
G	50	--	5	374	75	5	CV/CC
			10	703	70		
B	50	--	5	70	14	5	CV/CC
			10	129	13		
Orange	50	--	5	115	23	5	CV/CC
			10	230	23		
Pink	50	--	5	143	19	5	CV/CC
			10	278	28		
Yellow	50	--	5	28	6	5	CV
			10	51	5		
RGB	50	--	5	174	35	5	CV
			10	288	29		

HL-EN1220V24-Cx-EN

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP44 protection level, salt solution resistance, acids & alkalis and UV resistance.
· Excellent toughness, simple and stylish appearance, delicate and unique.
· 5 years warranty.



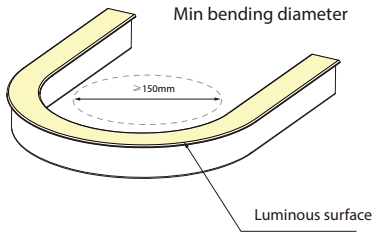
Unit: mm
Cross section

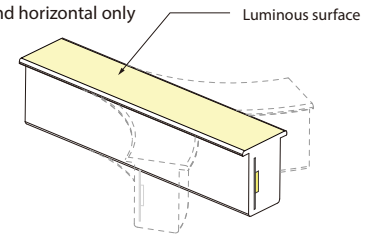
Electrical Parameter

Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature	CRI
DC24V	Max. 65℃	-25℃~60℃	Min.-25℃ Max(Table below)	⩾90

Specification

Power(w/m)	Efficacy(lm/w)@4000K	Max Ambient Temperature
10 w/m	40.7 lm/w	45℃



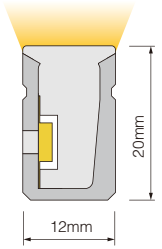


Single color (Lm/m)

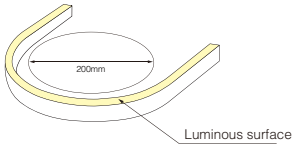
CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	CC/CV
2400K $^{+150}_{-50}$	>90	DC24V	10	374	37.4	50	5	CC/CV
2700K±100	>90	DC24V	10	365	36.5	50	5	CC/CV
3000K±150	>90	DC24V	10	370	37	50	5	CC/CV
4000K±200	>90	DC24V	10	407	40.7	50	5	CC/CV
5800K $^{+300}_{-200}$	>90	DC24V	10	378	37.8	50	5	CC/CV
R	--	DC24V	10	169	16.9	50	5	CC/CV
G	--	DC24V	10	427	42.7	50	5	CC/CV
B	--	DC24V	10	98	9.8	50	5	CC/CV
Yellow	--	DC24V	10	126	12.6	50	5	CC/CV
Orange	--	DC24V	10	167	16.7	50	5	CC/CV
Pink	--	DC24V	10	346	34.6	50	5	CC/CV

HL-N1220HV24-Cxx

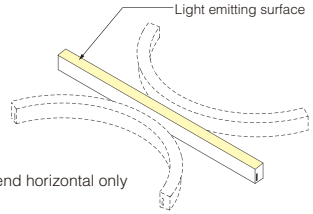
· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV.
· Excellent toughness, simple and stylish appearance, delicate and unique.
· 5 years warranty.



Across section size's picture



Min bending diameter



Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C,Max(Table below)
CRI	>90

Specification

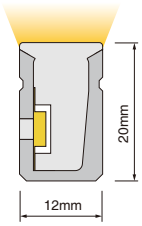
Power	5w/m	10w/m	15w/m
Efficacy@4000K	62lm/W	61lm/W	57lm/W
Max Ambient Temperature	50℃	45℃	35℃

Specification

Power (W)	CCT (K)	Lumen(LM/M)	Efficacy(LM/w)	CRI	Unit cut (mm)	Max.run length(m)
5W	2700±100	275	55	90	50	5M
	3000±100	275	55			
	3500±200	300	60			
	4000±300	310	62			
	5000±300	300	60			
	6000±300	300	60			
10W	2700±100	530	53	90	50	5M
	3000±100	530	53			
	3500±200	580	58			
	4000±300	610	61			
	5000±300	590	59			
	6000±300	590	59			
15W	2700±100	750	50	90	50	5M
	3000±100	750	50			
	3500±200	795	53			
	4000±300	855	57			
	5000±300	825	55			
	6000±300	825	55			

HL-N1220V24-CCrgb

High light transmittance ,environmental silicone material ,integrated extrusion molding technology, Unique optical light distribution structure design, Uniform luminance and no shadow,IP67 protection level, saltwater resistant , acids & alkalis, corrosive gases ,fire and UV. Excellent toughness ,simple and stylish appearance ,delicate and unique .
5-year warranty .



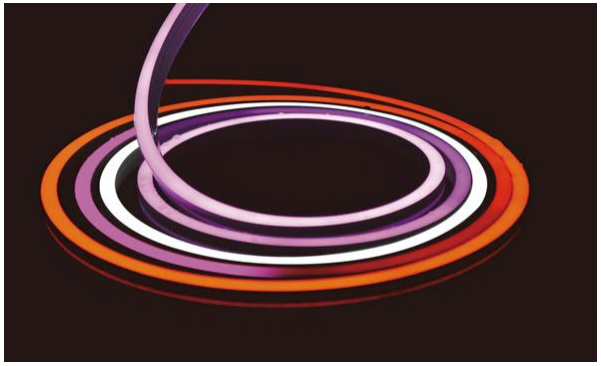
Across section size's picture

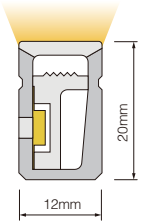
Parameter

Voltage(V)	DC24			
Power(W/M)	11			
Unit Cut	125			
IP Grade	IP67			
Working Temperature	-25℃ -- 45℃			
Lumen / m	R:41	G:140	B:23	RGB:200
Efficacy(LM/W)	R:11.4	G:38.9	B:6.4	RGB:18.2
Max.runlength(m)	5			

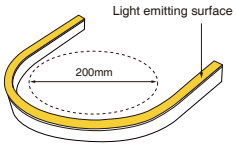
HL-N1220V24-Crgb-DMX512

High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.Unique optical light distribution structure design, uniform lighting surface and no shadow.IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UVExcellent toughness, simple and stylish appearance, delicate and unique.
5 years warranty.

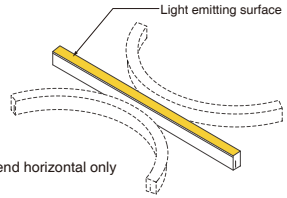




Across section size's picture



Min bending diameter

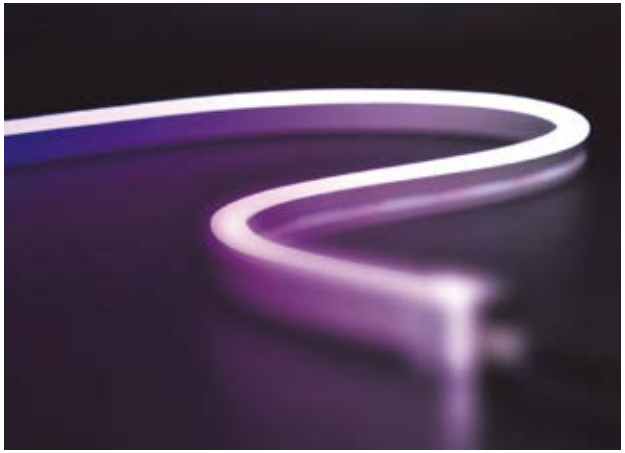


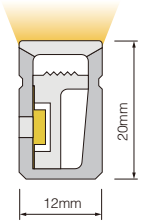
Parameter

Voltage(V)	DC24
Power(W/M)	Max.12
Minim cuttable length	125
IP Gard	IP67
Gray Scale	65536
Working Temperature	-25℃ -- 45℃
Pixel(pix/M)	8
Control Mode	DMX512
Lumen / m	R:53 G:146 B:28 W:218

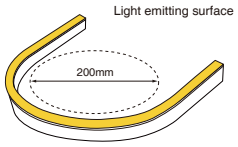
HL-N1220V24-Crgbw-DMX512

High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.Unique optical light distribution structure design, uniform lighting surface and no shadow.IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UVExcellent toughness, simple and stylish appearance, delicate and unique.
5 years warranty.

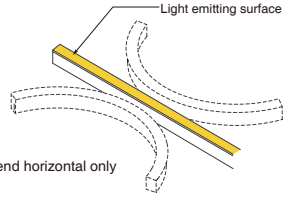




Across section size's picture



Min bending diameter

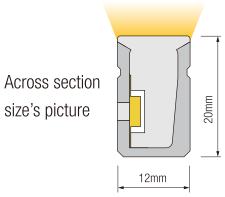


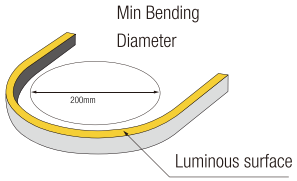
Parameter

Voltage(V)	DC24
Power(W/M)	Max.15
Minim cuttable length	125
IP Gard	IP67
Gray Scale	65536
Working Temperature	-25℃ -- 45℃
Pixel（pix/M）	8
Control Mode	DMX512
Lumen / m	R:22.7 G:69.7 B:19 W:83

HL-N1220V24-Cxx

High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.Unique optical light distribution structure design,uniform lighting surface and no shadow.IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UVExcellent toughness, simple and stylish appearance, delicate and unique. 5 years warranty.





Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Working Temperature	-25℃~60℃
Ambient Temperature	Min.-25°C，Max(Table below)
CRI	Ra80/Ra90 Optional

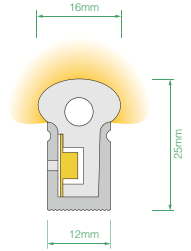
Specification

Power	5w/m	10w/m	15w/m
Efficacy@4000K	34.0lm/W	33.6lm/W	31.3lm/W
Max Ambient Temperature	50℃	45℃	35℃

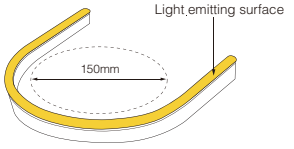
Finished CCT（K）	Unit cut (mm)	CRI	Power（W）	Lumen（LM/m）	Efficacy（LM/w）	Max.run length(m)	CV/CC
2100 ±100	50	>90	5	131.7	26.3	5	CC/CV
			10	258.7	25.9		
			15	360.9	24.1		
2400 ±100	50	>90	5	150.4	30.1	5	CC/CV
			10	293	29.3		
			15	410.1	27.3		
2700 ±100	50	>90	5	152.7	30.5	5	CC/CV
			10	303.2	30.3		
			15	431.7	28.8		
3000 ±100	50	>90	5	156.7	31.3	5	CC/CV
			10	307.2	30.7		
			15	432.3	28.8		
3500 +200 -100	50	>90	5	176.9	35.4	5	CC/CV
			10	345.1	34.5		
			15	475.4	31.7		
4000 +300 -200	50	>90	5	170.1	34.0	5	CC/CV
			10	335.6	33.6		
			15	470.1	31.3		
5000 +300 -200	50	>90	5	170	34.0	5	CC/CV
			10	329.4	32.9		
			15	461.8	30.8		
6000 +300 -100	50	>90	5	168.2	33.6	5	CC/CV
			10	328.3	32.8		
			15	465.1	31.0		
TW	50	>90	2.5	80.2	32.1	5	CV
			2.5	85.6	34.2		
			5	167.4	33.5		
TW	50	>90	5	171.3	34.3	5	CV
			5	186	37.2		
			10	353.5	35.4		
TW	50	>90	7.5	229	30.5	5	CV
			7.5	244.3	32.6		
			15	476.3	31.8		
R	50	--	5	73.8	14.8	5	CC/CV
			10	155.4	15.5		
			15	204.7	13.6		
G	50	--	5	198.2	39.6	5	CC/CV
			10	372.6	37.3		
			15	473.2	31.5		
B	50	--	5	35.2	7.0	5	CC/CV
			10	69.8	7.0		
			15	93.3	6.2		
Yellow	50	--	5	15.5	3.1	5	CC/CV
			10	30.4	3.0		
			15	40.8	2.7		
Pink	50	--	5	74.6	14.9	5	CC/CV
			10	148.2	14.8		
			15	199	13.3		
Orange	50	--	5	60	12	5	CC/CV
			10	110	11		
			15	160	11		

HL-N1225V24-Cxx

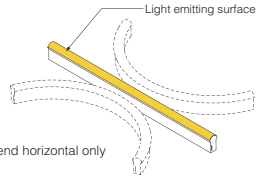
· High light transmittance, environmental protection grade silicone material,integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lightingsurface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis,corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty.



Across section size's picture



Min bending diameter



Electrical Parameter

Voltage	DC24V
LED PIN temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient temperature	Min.-25°C, Max (Table below)
CRI	>90

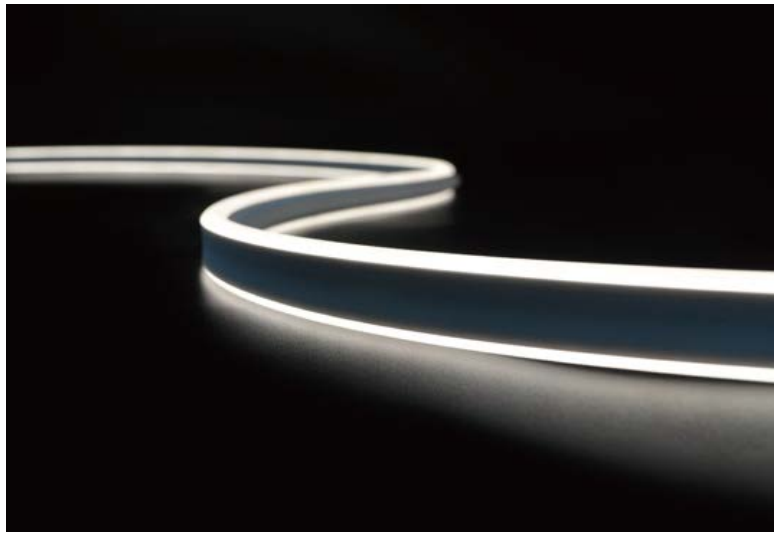
Specification

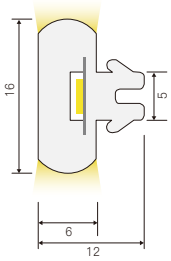
Power	5w/m	10w/m	15w/m
Efficacy(lm/w)@4000K	32lm/w	31.8lm/w	29.4lm/w
Max ambient temperature	50℃	45℃	35℃

Finished CCT(K)	Unit cut (mm)	CRI	Power (W)	Lumen (LM/m)	Efficacy (LM/w)	Max.run length(m)	CV/CC
2100±100	50	>90	5	124	24.8	5	CC/CV
			10	237	23.7		
			15	332	22.1		
2400±100	50	>90	5	139	27.8	5	CC/CV
			10	270	27.0		
			15	382	25.5		
2700±100	50	>90	5	146	29.2	5	CC/CV
			10	286	28.6		
			15	400	26.7		
3000±100	50	>90	5	144	28.8	5	CC/CV
			10	286	28.6		
			15	395	26.3		
3500 +200 -100	50	>90	5	153	30.6	5	CC/CV
			10	304	30.4		
			15	428	28.5		
4000 +300 -200	50	>90	5	160	32.0	5	CC/CV
			10	318	31.8		
			15	441	29.4		
5000 +300 -200	50	>90	5	153	30.6	5	CC/CV
			10	301	30.1		
			15	423	28.2		
6000 +300 -100	50	>90	5	159	31.8	5	CC/CV
			10	313	31.3		
			15	436	29.1		
TW	50	>90	2.5	73	29.2	5	CV
			2.5	75	30.0		
			5	142	28.4		
TW	50	>90	5	150	30.0	5	CV
			5	156	31.2		
			10	291	29.1		
TW	50	>90	7.5	207	27.6	5	CV
			7.5	216	28.8		
			15	403	26.9		
R	50	--	5	55.6	11.1	5	CC/CV
			10	123	12.3		
			15	172	11.5		
G	50	--	5	181	36.2	5	CC/CV
			10	340.7	34.1		
			15	426	28.4		
B	50	--	5	32	6.4	5	CC/CV
			10	61.4	6.1		
			15	85.7	5.7		
Yellow	50	--	5	49.6	9.9	5	CC/CV
			10	102.5	10.3		
			15	126.7	8.4		
Pink	50	--	5	65.6	13.1	5	CC/CV
			10	131.7	13.2		
			15	175.8	11.7		
Orange	50	--	5	55	11	5	CC/CV
			10	104	10.4		
			15	148	9.8		

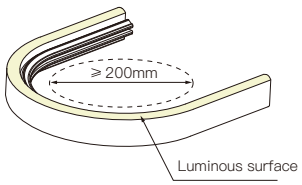
HL-DN1612V24-CXX

· It is made of Dow Chemical SILASTICTM ET-7021 silicone rubber, which provideshigh transparency and high strength.
· Unique two-sided luminous structure design, can be used as a variety of sceneat-mosphere lighting;
· Excellent toughness, unique and simple appearance, perfect integration into each scene;
· Environment-friendly silicone material, integrated extrusion molding process;
· IP65 protection gradesalt solution resistance, acids & alkalis and UV resistance;
· 5 years warranty.

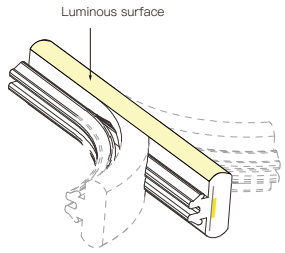




Unit: mm
Cross section



Min bending diameter



Bend horizontal only

Electrical Parameter

Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature	CRI
DC24V	Max. 65℃	-25℃~ 60℃	Min.-25℃ Max(Table below)	⩾90

Specification

Power(w/m)	Efficacy(lm/w)@4000K	Max Ambient Temperature
10 w/m	51 lm/w	45℃

Single color (Lm/m)

CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	CC/CV
2400K±150	⩾90	DC24V	10	520	52	50	5	CC/CV
2700K±150	⩾90	DC24V	10	520	52	50	5	CC/CV
3000K±150	⩾90	DC24V	10	550	55	50	5	CC/CV
4000K±300	⩾90	DC24V	10	600	60	50	5	CC/CV
6500K±500	⩾90	DC24V	10	550	55	50	5	CC/CV
Red	--	DC24V	10	210	21	50	5	CC/CV
Green	--	DC24V	10	550	55	50	5	CC/CV
Blue	--	DC24V	10	110	11	50	5	CC/CV
Yellow	--	DC24V	10	210	21	50	5	CC/CV
Pink	--	DC24V	10	480	48	50	5	CC/CV
Orange	--	DC24V	10	200	20	50	5	CC/CV

CCT Tunable (Lm/m)

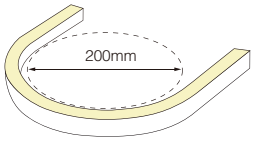
CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	CC/CV
2700K±150	⩾90	DC24V	5	285	57	62.5	5	CV
6500K±500	⩾90	DC24V	5	295	59	62.5	5	CV
4000K±300	⩾90	DC24V	10	580	58	62.5	5	CV

RGB (Lm/m) Orange

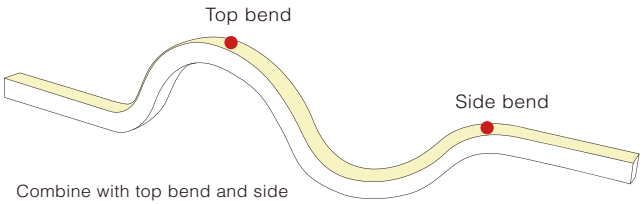
CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	CC/CV
R	--	DC24V	3.3	41.25	12.5	50	5	CV
G	--	DC24V	3.3	145.2	44	50	5	CV
B	--	DC24V	3.3	24.75	7.5	50	5	CV
RGB	--	DC24V	10	220	22	50	5	CV

HL-3DN1615V24-Cxx

· High light transmittance, environmental protection grade silicone materiaintegrated extrusion molding process.
· Unique optical light distribution structure design, uniform lightingsurface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis,corrosive gases, fire and UV
·Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty.



Min bending diameter



Combine with top bend and side bend, to meet the request of the different space bend.

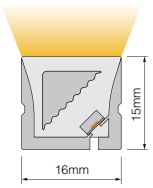
Finished CCT (K)	Unit cut (mm)	CRI	Power (W)	Lumen (Lm/m)	Efficacy (Lm/w)	Max.run length(m)	CV/CC
2100 ±100	50	>90	5	316	63	5	CV
			10	626	60		
2400 ±100	50	>90	5	330	66	5	CV
			10	627	63		
2700 ±100	50	>90	5	357	71	5	CV
			10	675	67		
3000 ±100	50	>90	5	372	74	5	CV
			10	701	70		
3500 +200 −100	50	>90	5	384	77	5	CV
			10	726	73		
4000 +300 −200	50	>90	5	385	77	5	CV
			10	728	73		
5000 +300 −200	50	>90	5	391	78	5	CV
			10	745	75		
6000 +400 −100	50	>90	5	387	77	5	CV
			10	733	73		
R	50	--	5	151	30	5	CV
			10	307	31		
G	50	--	5	320	64	5	CV
			10	533	53		
B	50	--	5	77	15	5	CV
			10	144	14		
Yellow	50	--	5	128	26	5	CV
			10	267	27		
Pink	50	--	5	255	51	5	CV
			10	481	48		
Orange	50	--	5	130	26	5	CV
			10	250	25		

Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C
CRI	>90

Specification

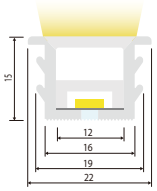
Power	5w/m	10w/m
Efficacy@4000K	77lm/w	73m/w
Max Ambient Temperature	55℃	45℃



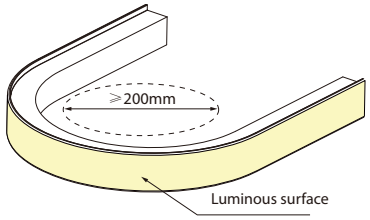
Across section size's picture

HL-EN1615V24-Cx-EN

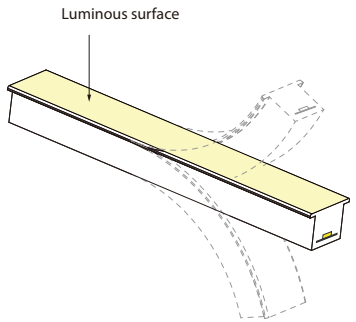
· High light transmittance, environmental protection grade silicone material,integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lightingsurface and no shadow.
· IP44 protection level, salt solution resistance, acids & alkalis and UV resistance.
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty.



Unit: mm
Cross section



Min bending diameter



Bend vertical only

Electrical Parameter

Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature	CRI
DC24V	Max. 65℃	-25℃~60℃	Min.-25°C Max(Table below)	⩾90

Specification

Power(w/m)	Efficacy(lm/w)@4000K	Max Ambient Temperature
10 w/m	66.3lm/w	45°C

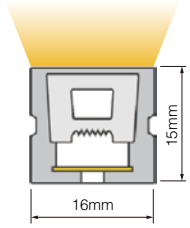
Due to the tolerance of the production and electrical components, output value and electrical power can very up to 10%

Length Standard

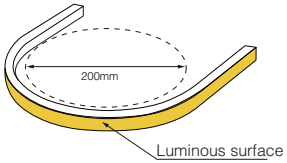
Length Range (M)	Final Length	Tolerance(mm)
0M<Neon Strip(L)⩽5M	L+6	±7
5M<Neon Strip(L)⩽10M	L+6	±10
10M<Neon Strip(L)⩽15M	L+6	±13
15M<Neon Strip(L)⩽20M	L+6	±16

HL-N1615BV24-Cxx

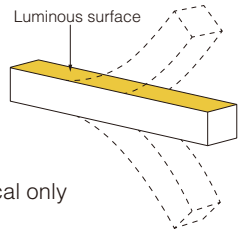
· Unique black silicone body,it's easier to blend into different installation environment.
· Unique optical light distribution structure design, uniform lightingsurface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis,corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty.



Across section size's picture



Min bending diameter



Bend vertical only

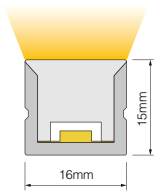
Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25 ℃ ~ 60℃
Ambient Temperature	Min. -25 ℃ , Max(Table below)
CRI	>90

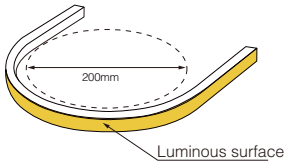
Power	5w/m	10w/m	15w/m
Efficacy@4000K	2.2lm/w	2lm/w	2lm/w
Max Ambient Temperature	55℃	45℃	35℃

HL-N1615HV24-Cxx

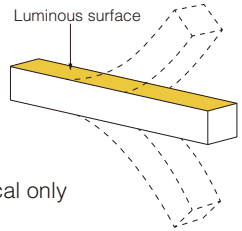
· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty



Across section size's picture



Min bending diameter



Bend vertical only

Specification

Power (W)	CCT (K)	Lumen (LM/M)	Efficacy (LM/w)	CRI	Unit cut (mm)	Max.run length(m)
5W	2700±100	375	75	90	50	5M
	3000±100	390	78			
	3500±200	430	86			
	4000±300	420	84			
	5000±300	455	91			
	6000±300	450	90			
10W	2700±100	730	73	90	50	5M
	3000±100	770	77			
	3500±200	850	85			
	4000±300	820	82			
	5000±300	900	90			
	6000±300	890	89			
15W	2700±100	1050	70	90	50	5M
	3000±100	1110	74			
	3500±200	1230	82			
	4000±300	1170	78			
	5000±300	1290	86			
	6000±300	1260	84			

Electrical Parameter

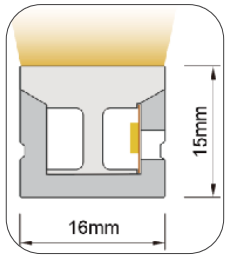
Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C , Max(Table below)
CRI	>90

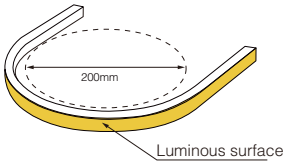
Specification

Power	5w/m	10w/m	15w/m
Efficacy@4000K	84 lm/w	82lm/w	78 lm/w
Max Ambient Temperature	50℃	45℃	35℃

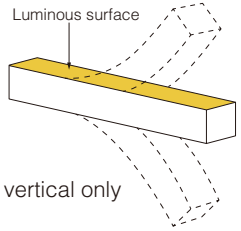
HL-N1615SV24-Cxx

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty

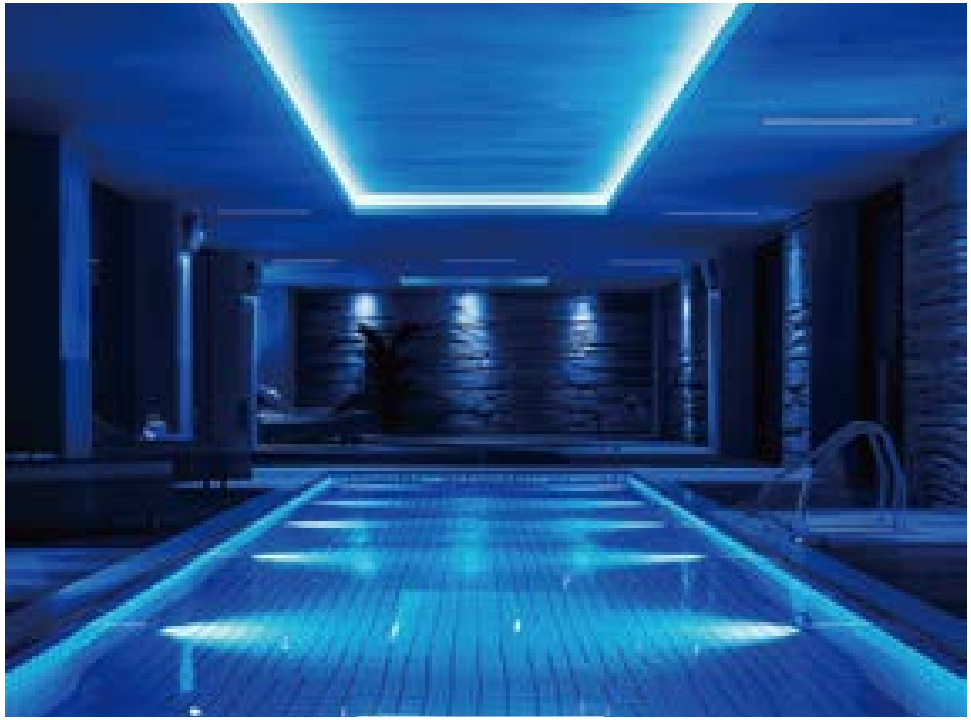




Min bending diameter



Bend vertical only



Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25℃, Max(Table below)
CRI	>90

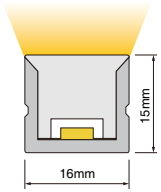
Specification

Power	5w/m	10w/m	15w/m
Efficacy@4000K	76 lm/w	73 lm/w	70 lm/w
Max Ambient Temperature	50℃	45℃	35℃

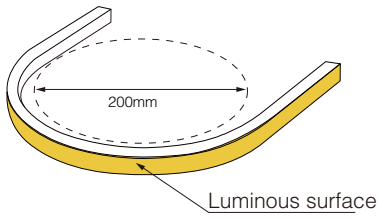
Due to the tolerance of the production and electrical components, output value and electrical power can very up to 10%

HL-N1615V24-CCrgb

High light transmittance,environmental silicone material,integrated extrusion molding technology, Unique optical light distribution structure design, Uniform luminance and no shadow,IP67 protection level,saltwater resistant, acids & alkalis, corrosive gases,fire and UV. Excellent toughness,simple and stylish appearance,delicate and unique . 3-year warranty,30000hours working life.



Across section size's picture



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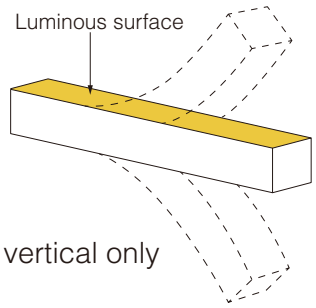


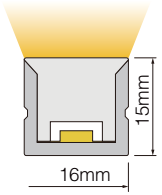
Bend vertical only

arameter

Voltage(V)	DC24			
Power(W/M)	11			
Unit Cut(MM)	125			
IP Grade	IP67			
Working Temperature	-25℃ ~ 45℃			
Lumen / m	R:66	G:220	B:35	RGB:320
Efficacy(LM/W)	R:18.3	G:61.1	B:9.7	RGB:29.
Max.runlength(m)	5			

HL-N1615V24-Crgb-DMX512

High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.Unique optical light distribution structure design, uniform lighting surface and no shadow.IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV Excellent toughness, simple and stylish appearance, delicate and unique. 5 years warranty.



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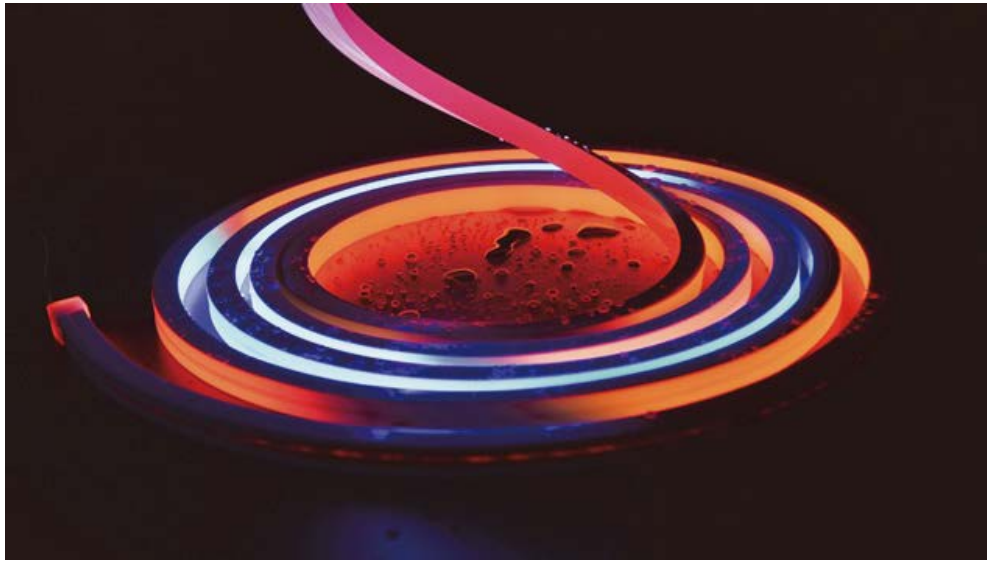
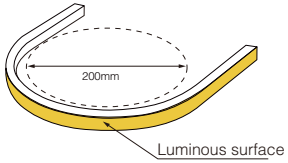
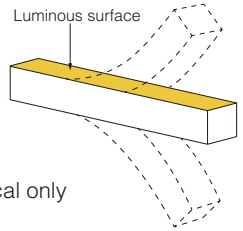




Min bending diameter



Bend vertical only

UV Protection

Resistant to solvents

IP67
Waterproof Grade

LM80
LM80 Standard

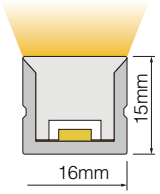
Resistant Saltwater

Parameter

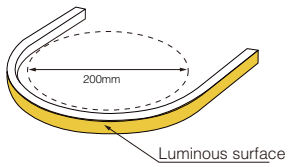
Voltage(V)	DC24
Power(W/M)	Max.12
Minim cuttable length	125
IP Gard	IP67
Gray Scale	65536
Working Temperature	-25℃ -- 45℃
Pixel (pix/M)	8
Control Mode	DMX512
Lumen / m	R:53 G:146 B:28 RGB:21

HL-N1615V24-Crgbw-DMX512

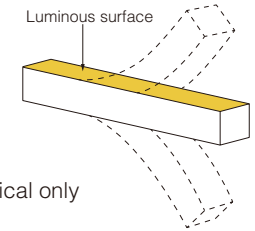
High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.Unique optical light distribution structure design, uniform lighting surface and no shadow.IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV Excellent toughness, simple and stylish appearance, delicate and unique. 5 years warranty.



Across section size's picture



Min bending diameter



Bend vertical only

Parameter

Voltage(V)	DC24
Power(W/M)	Max.12
Minim cuttable length	125
IP Gard	IP67
Gray Scale	65536
Working Temperature	-25℃ -- 45℃
Pixel (pix/M)	8
Control Mode	DMX512
Lumen / m	R:53 G:146 B:28 RGB:218

HL-N1615V24-Cxx

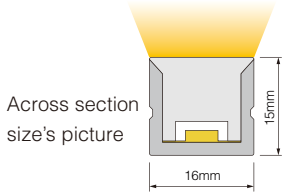
Silicone Ledline Flex Top1615 IP67, DC24V,has bending direction vertically and Front / Side / Bottom Cable Entry.with radius of 100mm (5.9”) and across section size:16mm*15mm/0.63"*0.59"(W*H).It is IP67 protection, never yellow, UV resistant, saltwater resistant and high temperature resistant via opal silicone coating.Uniform luminance and dot free will bring the most excellent performance for indoor& outdoor application.The product has constant voltage and constant current version. Constant current version can connect 27meters in series with one power supply and don’ t have voltage drop ,and can save the installation cost better.Unique end cap design , can install quickly and easily to meet the different length’s request, No welding and dealing with waterproof.
5 years warranty.

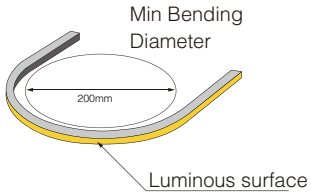
Electrical Parameter

Voltage	DC24V
LED PIN Temperature	Max. 65℃
Working Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C , Max(Table below)
CRI	Ra80/Ra90 Optional

Specification

Power	5w/m	10w/m	15w/m
Efficacy@4000K	58.8 lm/w	57.3lm/w	53.8 lm/w
Max Ambient Temperature	55℃	45℃	35℃

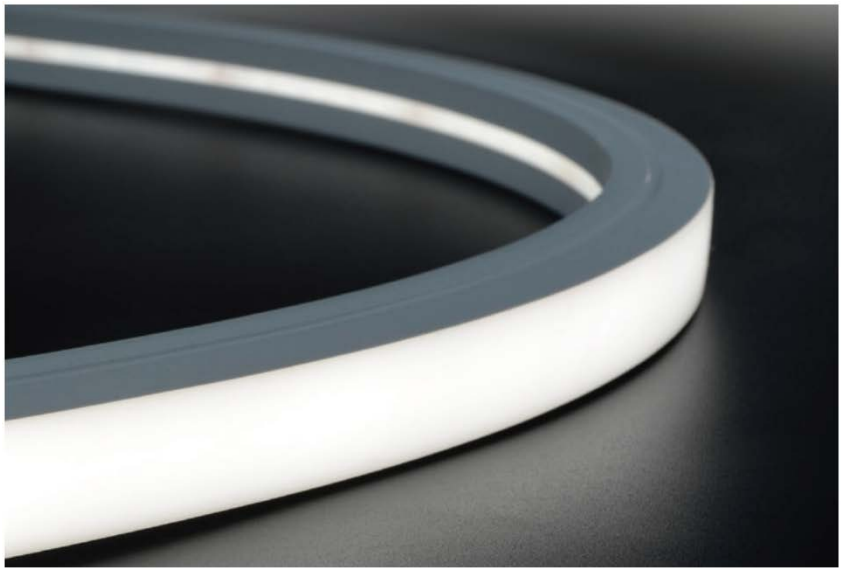


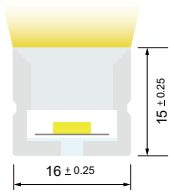


Finished CCT(K)	Unit cut (mm)	CRI	Power (W)	Lumen (LM/m)	Efficacy (LM/w)	Max.run length(m)	CV/CC
2100±100	50	>90	5	240.3	48.1	5	CC/CV
			10	459.9	46.0	5	
			15	627.5	41.8	5	
2400±100	50	>90	5	242	48.4	5	CC/CV
			10	468.1	46.8	5	
			15	659.7	44.0	5	
2700±100	50	>90	5	285.8	57.2	5	CC/CV
			10	552.7	55.3	5	
			15	771.5	51.4	5	
3000±100	50	>90	5	286.3	57.3	5	CC/CV
			10	539.3	53.9	5	
			15	766.9	51.1	5	
3500 +200 -100	50	>90	5	300.7	60.1	5	CC/CV
			10	583.9	58.4	5	
			15	815.8	54.4	5	
4000 +300 -200	50	>90	5	294.1	58.8	5	CC/CV
			10	573.4	57.3	5	
			15	807	53.8	5	
5000 +300 -200	50	>90	5	297.8	59.6	5	CC/CV
			10	570.3	57.0	5	
			15	793.9	52.9	5	
6000 +300 -100	50	>90	5	293.9	58.8	5	CC/CV
			10	572.9	57.3	5	
			15	782.6	52.2	5	
TW	50	>90	2.5	133	53.2	5	CV
			2.5	143.9	57.6	5	
			5	279.5	55.9	5	
TW	50	>90	5	274	54.8	5	CV
			5	295.1	59.0	5	
			10	569.6	57.0	5	
TW	50	>90	7.5	363.7	48.5	5	CV
			7.5	387.2	51.6	5	
			15	766.2	51.1	5	
R	50	--	5	111.6	22.3	5	CC/CV
			10	237.5	23.8	5	
			15	323.2	21.5	5	
G	50	--	5	308	61.6	5	CC/CV
			10	548.2	54.8	5	
			15	697.4	46.5	5	
B	50	--	5	57	11.4	5	CC/CV
			10	106.9	10.7	5	
			15	148.6	9.9	5	
Amber	50	--	5	25.6	5.1	5	CC/CV
			10	44.4	4.4	5	
			15	61	4.1	5	
Pink	50	--	5	116.7	23.3	5	CC/CV
			10	224.5	22.5	5	
			15	302.2	20.1	5	

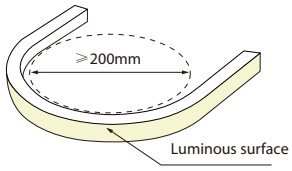
HL-N1615V24IP68

· It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
· Environmental protection grade silicone material,integrated extrusion molding process.
· Unique optical light distribution structure design,uniform lighting surface and no shadow.
· IP68 protection level, salt solution resistance, acids & alkalis and UV resistance. Chlorination resistant, it can be used in underwater environment , such as swimming pool;
·Excellent toughness, simple and stylish appearance, delicate and unique
·5 years warranty.

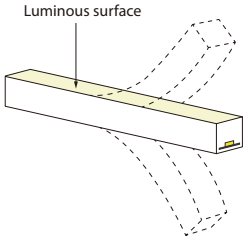




Unit: mm
Cross section



Min Bending diameter



Bend vertical only

Single color (Lm/m)

CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max.Run Length (M)	CC/CV
2400K±150	≥90	DC24V	10	370	37	50	5	CC/CV
2600K±150	≥90	DC24V	10	370	37	50	5	CC/CV
3000K±150	≥90	DC24V	10	375	37.5	50	5	CC/CV
4000K±300	≥90	DC24V	10	410	41	50	5	CC/CV
6100K±400	≥90	DC24V	10	375	37.5	50	5	CC/CV
Red	--	DC24V	10	174	17.4	50	5	CC/CV
Green	--	DC24V	10	489	48.9	50	5	CC/CV
Blue	--	DC24V	10	89	8.9	50	5	CC/CV
Yellow	--	DC24V	10	178	17.8	50	5	CC/CV
Orange	--	DC24V	10	184	18.4	50	5	CC/CV
Pink	--	DC24V	10	437	43.7	50	5	CC/CV

*Remarks: the maximum production length is 10m/pcs.

CCT Tunable (Lm/m)

CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max.Run Length (M)	CC/CV
2600K±150	≥90	DC24V	5	200	40	62.5	5	CV
6100K±400	≥90	DC24V	5	210	42	62.5	5	CV
4000K±300	≥90	DC24V	10	410	41	62.5	5	CV

RGB (Lm/m)

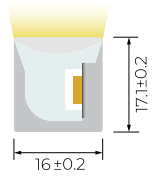
CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max.Run Length (M)	CC/CV
R	--	DC24V	3.3	54.45	16.5	83.33	5	CV
G	--	DC24V	3.3	201.3	61	83.33	5	CV
B	--	DC24V	3.3	39.6	12	83.33	5	CV
RGB	--	DC24V	10	295	29.5	83.33	5	CV

Digital RGB

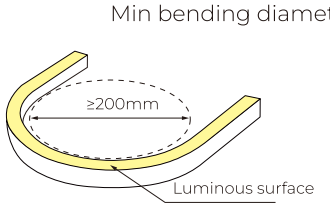
Voltage	Power(W)	CCT(K)	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Signal Type	IC Model	Unit Length (mm)
DC24V	4.8	R	73.5	15.3	8	SPI	UCS1903	125
	4.8	G	182	37.9				
	4.8	B	33	6.8				
	11.5	RGB	288	25.0				

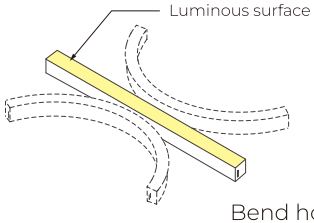
HL-NS1617-IP68

· Advanced sealing tech, integrated molding process for IP68 protection and5m underwater depth.
· Made from chlorine-resistant silicone formula, Chlorine resistance s5PPM,has better corrosion resistance, ideal for swimming pools.
· Unique light distribution structure provides uniform illumination with notransparent window, ensuring no light leakage.
· Availablc in a smooth mattc finish for supcrior dust rcsistancc.
· 3years warranty, long-life LED> 50.000 hrs.



Cross section





Bend horizontal only

Electrical Parameter

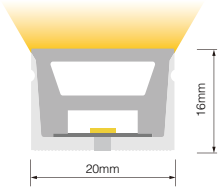
Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature
DC24V	Max. 65℃	-25℃ ~ 60℃	Min.-25°C Max(Table below)

Specification

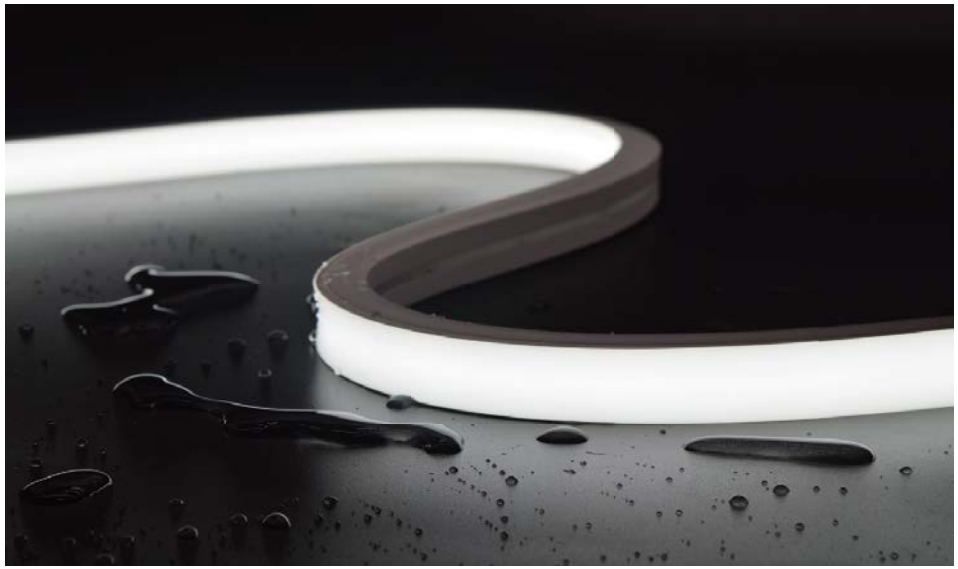
Power (w/m)	Efficacy (lm/w) @4000K	Max Ambient Temperature
5	CV:64.8 CC:55.5	55℃
10	CV:62.3 CC:53.4	45℃
15	CV:59.4 CC:50.9	35℃

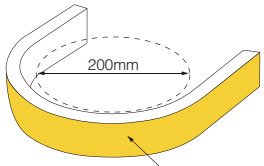
HL-N2016V24-Cxx

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty

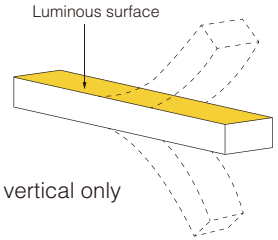


Across section size's picture





Min bending diameter



Bend vertical only

Electrical Parameter

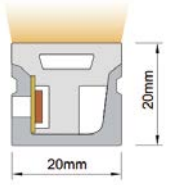
Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C , Max(Table below)
CRI	>90

Specification

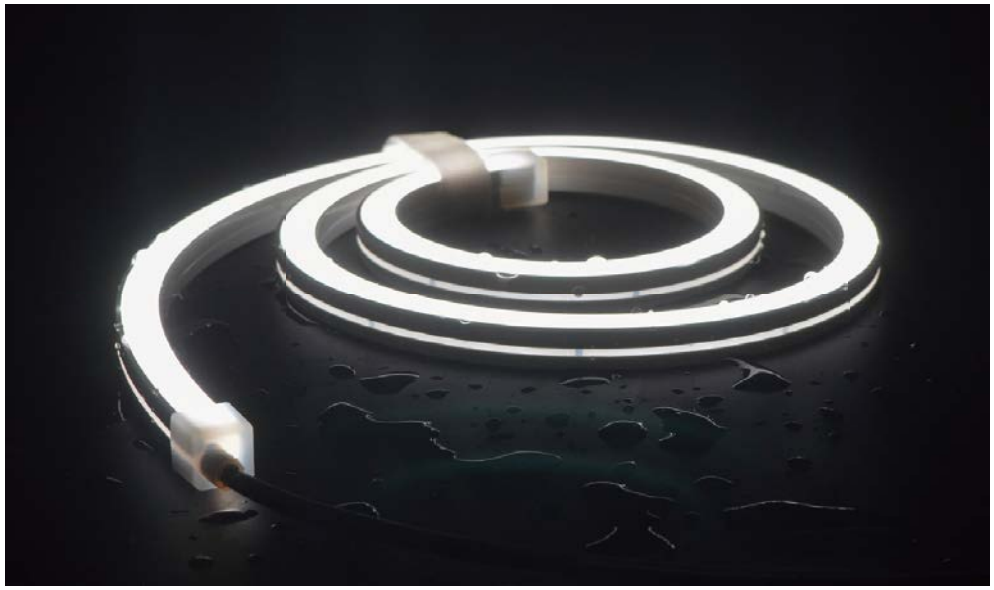
Power	5w/m	10w/m	15w/m
Efficacy@4000K	65 lm/w	63 lm/w	61 lm/w
Max Ambient Temperature	55℃	45℃	35℃

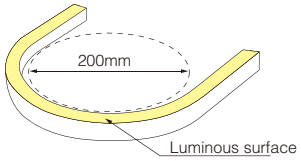
HL-N2020V24-Cxx

· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warrant

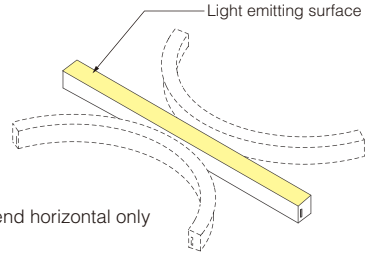


Across section size's picture





Min bending diameter



Bend horizontal only

Electrical Parameter

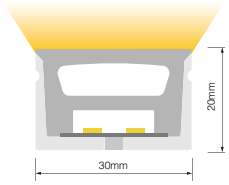
Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C , Max(Table below)
CRI	>90

Specification

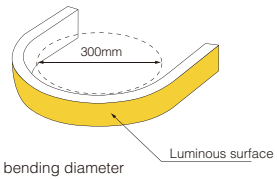
Power	5w/m	10w/m	15w/m
Efficacy@4000K	48.4 lm/w	46.7 lm/w	42.3 lm/w
Max Ambient Temperature	55℃	45℃	35℃

HL-N3020V24-Cxx

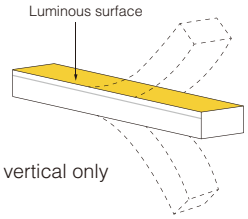
· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warrant



Across section size's picture



Min bending diameter



Bend vertical only

Electrical Parameter

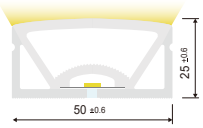
Voltage	DC24V
LED PIN Temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient Temperature	Min.-25°C , Max(Table below)
CRI	>90

Specification

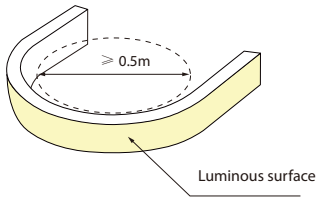
Power	16w/m	20w/m	24w/m
Efficacy@4000K	65.6lm/w	64lm/w	63 lm/w
Max Ambient Temperature	55℃	45℃	35℃

HL-NT5025

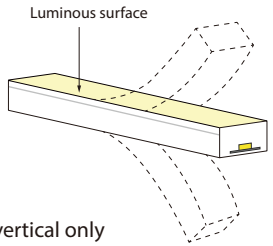
· It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
· Environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· Good toughness, simple appearance, perfect for every scene;
· IP67 protection level, salt solution resistance, acids & alkalis and UV resistance.
· 5 years warranty.



Unit: mm
Cross section



Min Bending diameter



Bend vertical only

Electrical Parameter

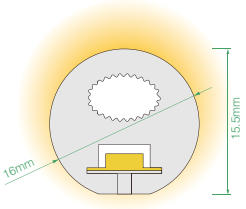
Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature	CRI
DC24V	Max. 65°C	-25°C~ 60°C	Min.-25°C Max(Table below)	⩾90

Specification

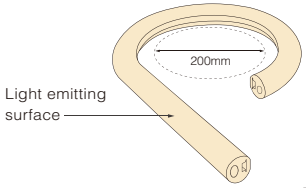
Power	Efficacy@4000K	Max Ambient Temperature
15 w/m	57.9lm/w	45°C

HL-ND16V24-Cxx

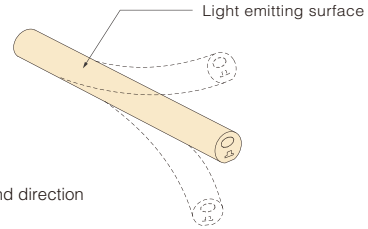
· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warranty.



Across section size's picture



Min bending diameter



Bend direction

Electrical Parameter

Voltage	DC24V
LED PIN temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient temperature	Min.-25°C, Max (Table below)
CRI	>90

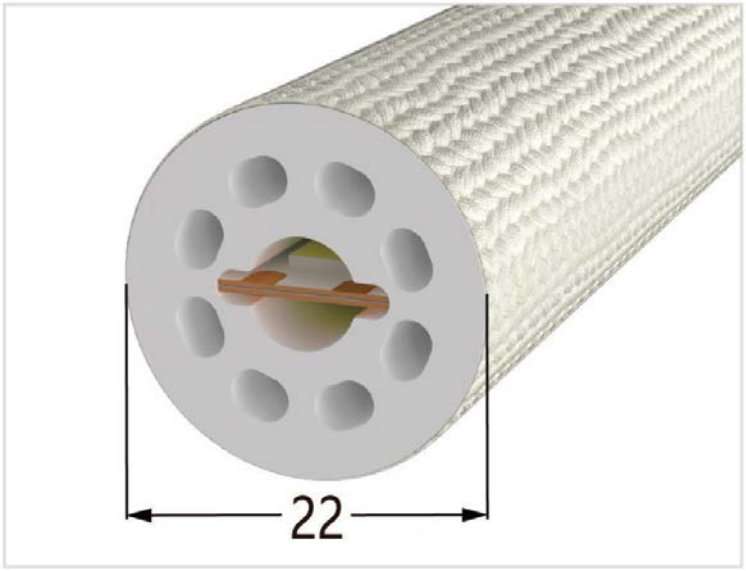
Specification

Power	5w/m	10w/m
Efficacy(lm/w)@4000K	73lm/w	70.7lm/w
Max ambient temperature	50℃	45℃

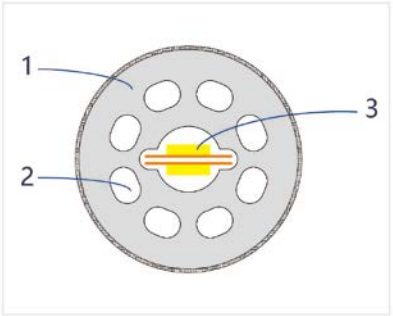
Due to the tolerance of the production and electrical components, output value and electrical power can very up to 10%

HL-ND22PV24-CXX

1.Professional design with continuous and uniform illumination,no led dot or dark spot. same color consiste
2.Silicon housing UV&Flame&Heat resistant, stable performancein heavy weather.
3.Resistance to corrosion, acid and alkali. IP67 waterproof
4. Extremely flexible, easy to bend to any

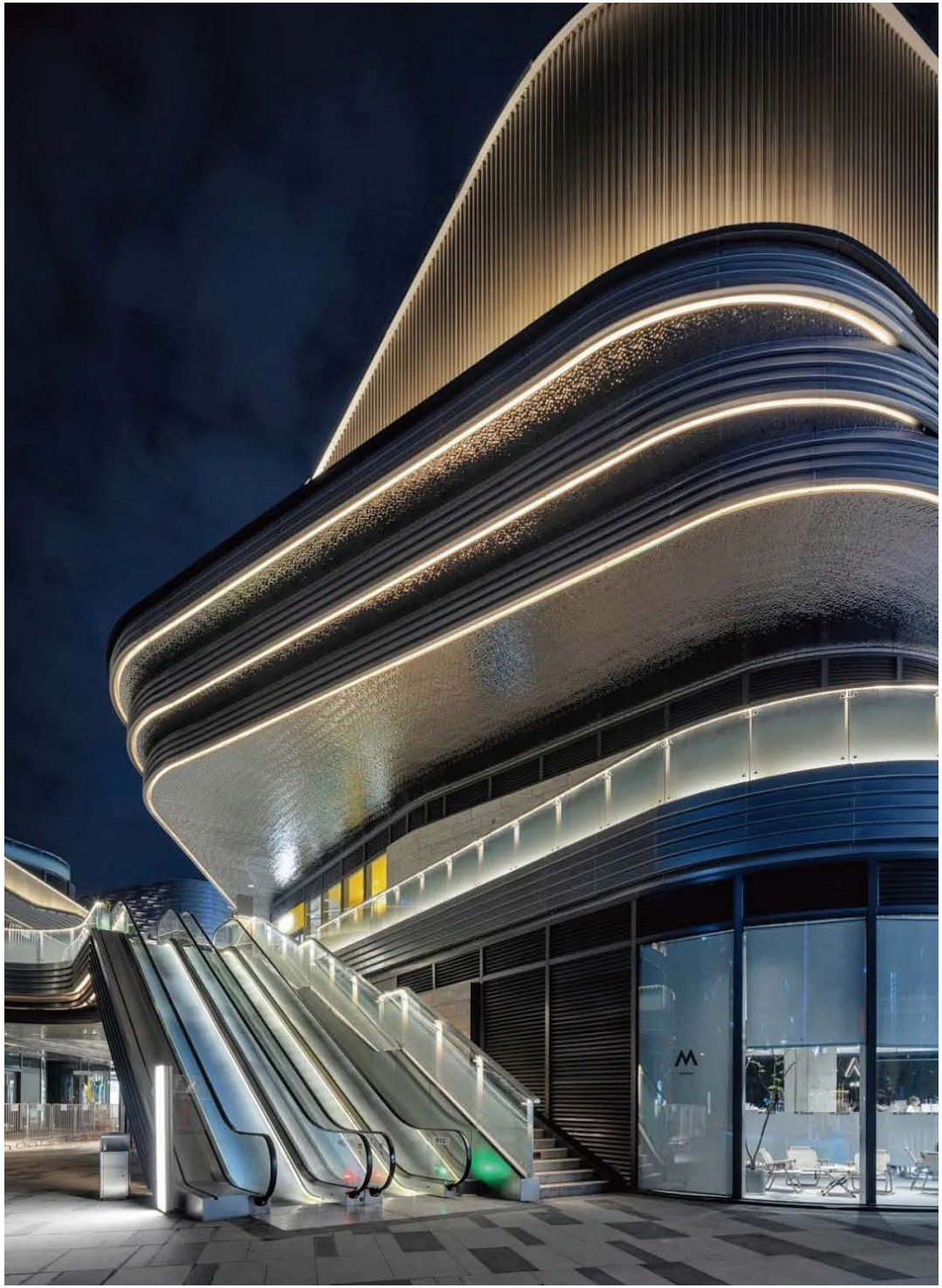


Structure



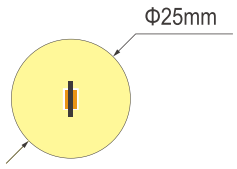
Section

1.Open layer: Spread the light
2.Diffusion Layer: diffusing lights
3.PCB : (1) PCB width: 8mm * 2
(2) LED:2835
(3) PCB:≥240leds/m

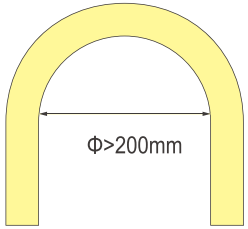


HL-NR25BV24-CXX

- Unique optical light distribution structure design, 360 emitting uniform without shadow.
- IP65 protection level with integrated extrusion molding process, high lighttransmittance, environment-friendly silicone material.
- Excellent toughness, stylish appearance,elegant design
- Salt resistance, acid & alkali corrosion resistance, UV and fire resistance.
- Ambient temperature: -25C~60C; Storage temperature: 0°C ~60°C.
- 5 years warranty.



Diameter



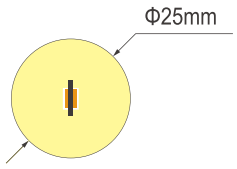
Minimum bending diameter

Photoelectric parameters (5W)

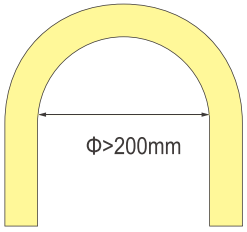
Power (W)	CCT	Lumens LM/M)	Efficacy (LM/W)	Voltage (v)	CRI (Ra)	Bare board light strip cut length (mm)	Max. productive length (M)
Single color 5W	2400±100	37	7.4	24	90	/	5M
	2700±100	38	7.6				
	3000±100	40	8				
	3500±200	39	7.8				
	4000±300	39	7.8				
	5000±300	37	7.4				
	R: 620-630nm	19	3.8	24	/	/	5M
	G: 520-530nm	36	7.2				
	B: 465-475nm	4.6	0.9				
	Y: 585-595nm	14	2.8				
	Pink	30	6				
Tunable white 5W	2700（WW）	15	/	24	90	/	5M
	5000（W）	16	/				
	3500（WW+W）	31	6.2				
RGB 5W	RGB	11.4	2.3	24	/	/	5M

HL-NR25PROV24-Cxx

- Unique optical light distribution structure design, 360 emitting uniform without shadow.
- IP65 protection level with integrated extrusion molding process, high lighttransmittance, environment-friendly silicone material.
- Excellent toughness, stylish appearance,elegant design
- Salt resistance, acid & alkali corrosion resistance, UV and fire resistance.
- Ambient temperature: -25C~60C; Storage temperature: 0°C ~60°C.
- 5 years warranty.



Diameter



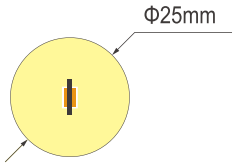
Minimum bending diameter

Photoelectric parameters (10W)

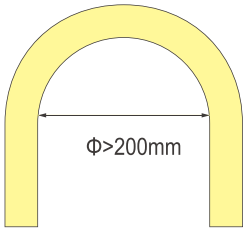
Power (W)	CCT	Lumens (LM/M)	Efficacy (LM/W)	Voltage (v)	CRI (Ra)	Bare board light strip cut length (mm)	Max. productive length (M)
Single color 10W	2000±100	363	37	24	90	50	5M
	2200±100	380	38				
	2400±100	417	42				
	2600±100	477	48				
	3200±300	524	53				
	4500±300	547	55				
	R: 620-625nm	58	6	24	/	50	5M
	G: 512-525nm	637	64				
	B: 460-465nm	103	11				
	Y: 585-595nm	402	41				
	Pink	116	12				
	Orange	240	24				

HL-NR25V24-Cxx

- Unique optical light distribution structure design, 360 emitting uniform without shadow.
- IP65 protection level with integrated extrusion molding process, high lighttransmittance, environment-friendly silicone material.
- Excellent toughness, stylish appearance,elegant design
- Salt resistance, acid & alkali corrosion resistance, UV and fire resistance.
- Ambient temperature: -25C~60C; Storage temperature: 0°C ~60°C.
- 5 years warranty.



Diameter



Minimum bending diameter

Photoelectric parameters (5W)

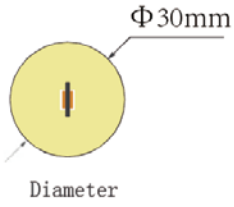
Power (W)	CCT	Lumens (LM/M)	Efficacy (LM/W)	Voltage (v)	CRI (Ra)	Bare board light strip cut length (mm)	Max. productive length (M)
Single color 5W	2400±100	272	56	24	90	50	5M
	2700±100	276	55				
	3000±100	284	27				
	3500±200	306	61				
	4000±300	298	59				
	5000±300	309	62				
	6000±300	302	60				
	R: 620-630nm	114	23	24	/	50	5M
	G: 520-530nm	289	58				
	B: 465-475nm	61	12				
	Y: 585-595nm	97	19				
	Pink	210	42				
Tunable white 5W	2700 WW	124	49	24	90	50	5M
	5000 W	127	50				
	3500 WW+W	250	50				
RGB 5W	RGB	145	29	24	/	50	5M

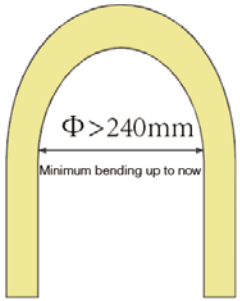
Photoelectric parameters (10W)

Power W)	CCT	Lumens (LM/M)	Efficacy (LM/W)	Voltage (v)	CRI (Ra)	Bare board light strip cut length (mm)	Max. productive length (M)
Single color 10W	2400±100	525	53	24	90	50	5M
	2700±100	517	52				
	3000±100	529	53				
	3500±200	600	60				
	4000±300	556	55				
	5000±300	604	60				
	6000±300	586	58				
	R: 620-630nm	246	25	24	/	50	5M
	G: 520-530nm	502	50				
	B: 465-475nm	114	11				
	Y: 585-595nm	209	21				
	Pink	409	41				
Tunable white 10W	2700 WW	258	50	24	90	50	5M
	5000 W	262	50				
	3500 WW+W	517	50				
RGB 10W	RGB	248	24	24	/	50	5M

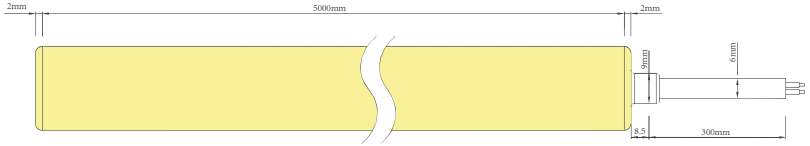
HL-NR30V24-Cxx

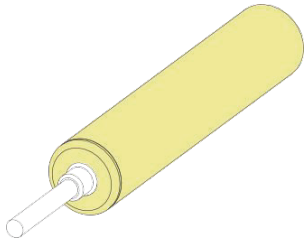
· Compared with traditional neon lights, it has good flexibility,simple and fashionable appearance, and is exquisite and unique.
· Unique optical structure design, 360' luminous uniformity withoutshadow
· High light transmittance, environmentally friendly siliconematerial, silicone sleeve extrusion molding process, IP65 protectionlevel;
· Salt solution resistance, acid and alkali corrosion resistance,flame retardant resistance, UV resistance
· Working Temperature:-25~60C / 0C~60C;
·5 years warranty.





Standard Product size





A way to: The top straight out

Optical parameters (5W)

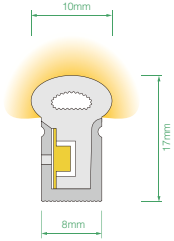
Power (W)	CCT(K)	Lumen(LM/M)	Efficacy(LM/w)	CRI	Bare board light strip cut length (mm)	Max.run length(m)	CC
Single color temperature 5W	2400±100	263	52.6	90	50	5M	/
	2700±100	270	54				
	3000±200	276	55.2				
	3500±300	303	60.6				
	4000±300	291	58.2				
	5000±300	302	60.4				
	6000±100	293	58.6				
Double color temperature 5W	2700 (WW)	124	24.8	90	50	5M	/
	5000 (W)	127	25.4				
	3500(WW+W)	250	50				

Optical parameters (10W)

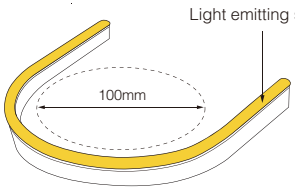
Power (W)	CCT(K)	Lumen(LM/M)	Efficacy(LM/w)	CRI	Bare board light strip cut length (mm)	Max.run length(m)	CC
Single color temperature 10W	2400±100	491	49.1	90	50	5M	/
	2700±100	486	48.6				
	3000±200	460	46				
	3500±300	567	56.7				
	4000±300	528	52.8				
	5000±300	564	56.4				
	6000±100	545	54.5				
Double color temperature 10W	2700 (WW)	258	25.8	90	50	5M	/
	5000 (W)	262	26.2				
	3500(WW+W)	517	51.7				

HL-N0817V24-Cxx

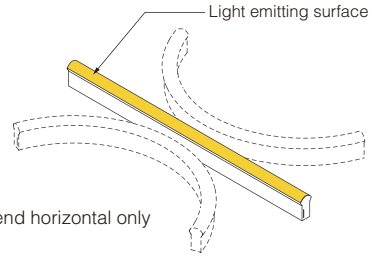
· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warrant



Across section size's picture



Min bending diameter



Bend horizontal only

Electrical Parameter

Voltage	DC24V
LED PIN temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient temperature	Min.-25°C, Max (Table below)
CRI	>90

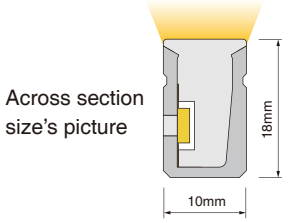
Specification

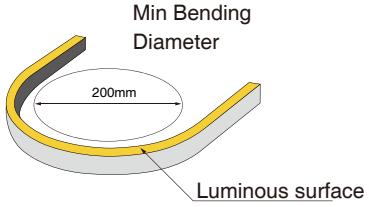
Power	5w/m	10w/m
Efficacy(lm/w)@4000K	34.8lm/w	34lm/w
Max ambient temperature	50℃	45℃

HL-N1018V24-Cxx

Silicone Ledline Flex Side1018 IP67, DC24V,has bending direction vertically and Front / Side / Bottom Cable Entry.with radius of 100mmand across section size:10mm*18mm(W*H).It is IP67 protection, never yellow, UV resistant, saltwater resistant and high temperature resistant via opal silicone coating.Uniform luminance and dot free will bring the most excellent performance for indoor& outdoor application.The product has constant voltage and constant current version. Constant current version can connect 25meters in series with one power supply and don' t have voltage drop ,and can save the installation cost better.Unique end cap design , can install quickly and easily to meet the different length's request, No welding and dealing with waterproof.

· 5 years warrant





Electrical Parameter

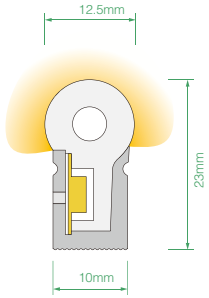
Voltage	DC24V
LED pin temperature	Max. 65℃
Working temperature	-25℃ ~ 60℃
Ambient temperature	Min.-25°C， Max(Table below)
CRI	Ra80/Ra90 Optional

Specification

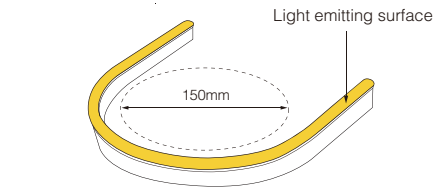
Power	5w/m	10w/m	15w/m
Efficacy@4000K	35.7lm/W	35.6lm/W	32.3lm/W
Max ambient temperature	50℃	45℃	35℃

HL-N1023V24-Cxx

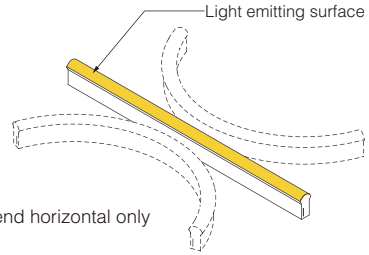
· High light transmittance, environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 5 years warrant



Across section size's picture



Min bending diameter



Bend horizontal only

Electrical Parameter

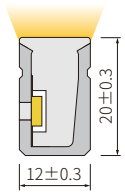
Voltage	DC24V
LED PIN temperature	Max. 65℃
Storage Temperature	-25℃ ~ 60℃
Ambient temperature	Min.-25°C, Max (Table below)
CRI	>90

Specification

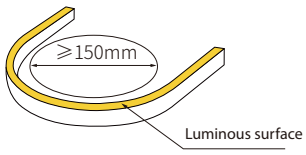
Power	5w/m	10w/m	15w/m
Efficacy(lm/w)@4000K	39.4lm/w	38.7lm/w	36.1lm/w
Max ambient temperature	50℃	45℃	35℃

HL-NS1220AC

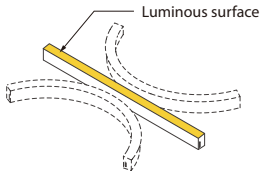
· It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
· Environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 3 years warranty, working life ≥30000 hours;



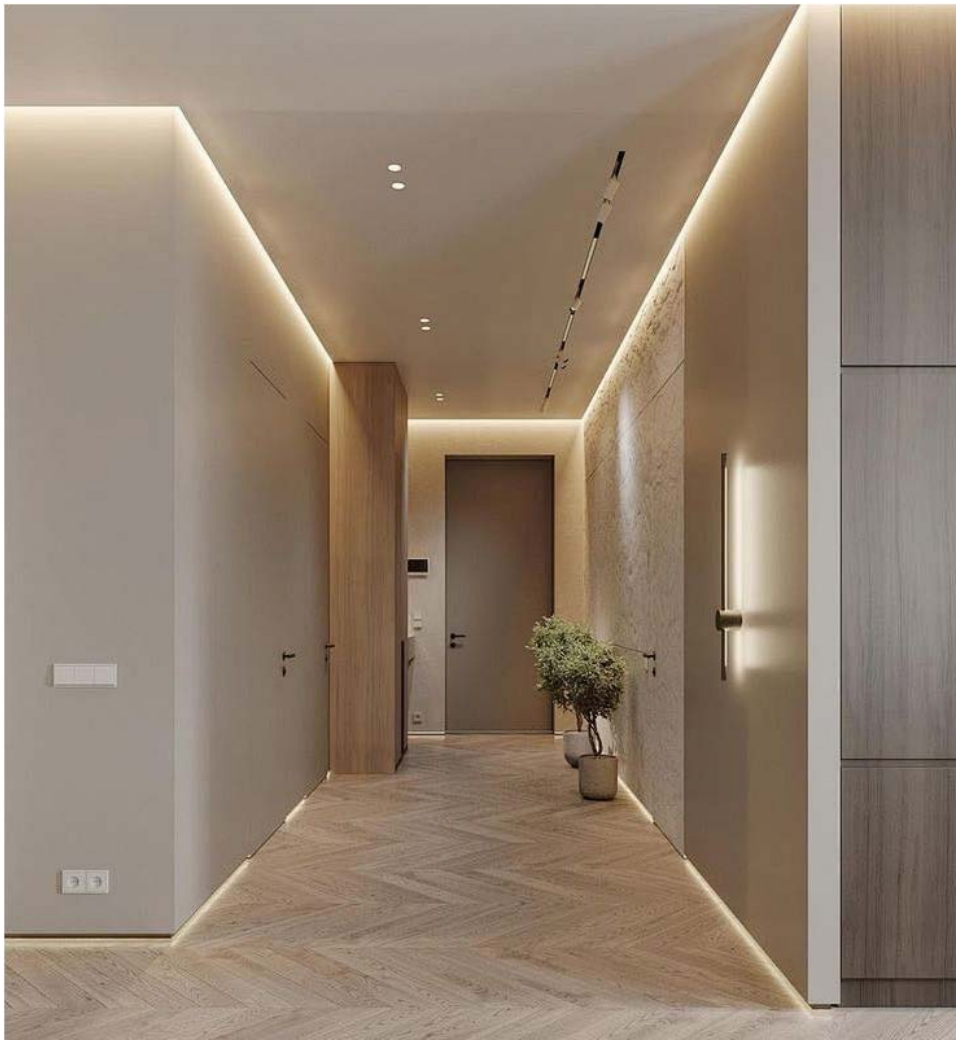
Unit: mm
Cross section



Min Bending diameter



Bend horizontal only

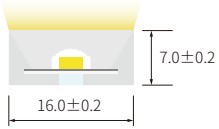


Single color

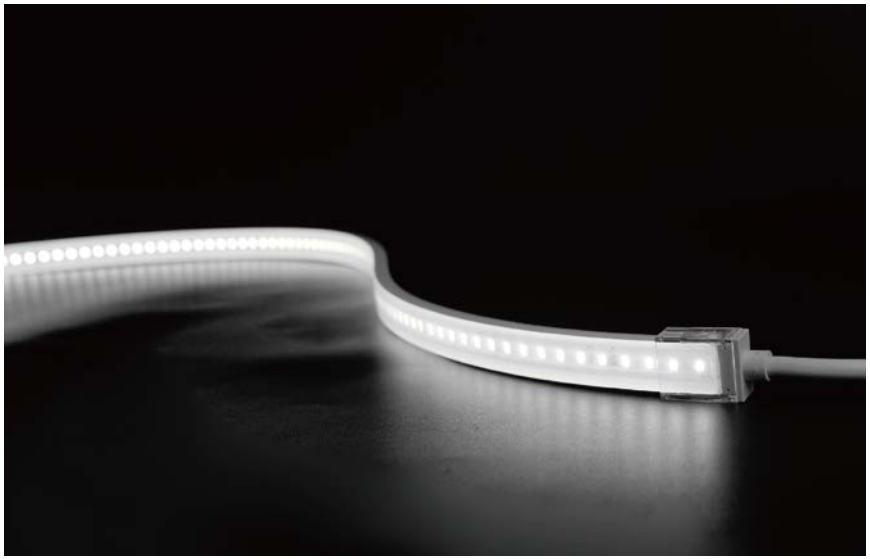
CCT(K)	CRI	SDCM	Voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)
1800±100	⩾90	--	AC230	12	349	29.1	100	5
2400±150	⩾90	--	AC230	12	427	35.6	100	5
2700±150	⩾90	--	AC230	12	487	40.6	100	5
3000±150	⩾90	--	AC230	12	503	41.9	100	5
3500±200	⩾90	--	AC230	12	521	43.4	100	5
4000±300	⩾90	--	AC230	12	519	43.3	100	5
5000±400	⩾90	--	AC230	12	529	44.1	100	5
6500±400	⩾90	--	AC230	12	516	43.0	100	5

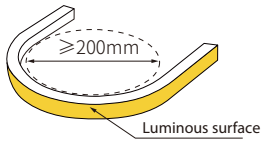
HL-NT1607AC

· It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
· Environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 3 years warranty, working life ≥30000 hours;

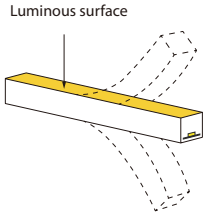


Unit: mm
Cross section





Min Bending diameter



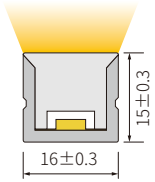
Bend vertical only

Single color

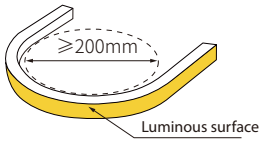
CCT(K)	CRI	SDCM	Voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)
1800±100	⩾90	--	AC230	12	575	47.9	100	5
2400±150	⩾90	--	AC230	12	726	60.5	100	5
2700±150	⩾90	--	AC230	12	810	67.5	100	5
3000±150	⩾90	--	AC230	12	791	65.9	100	5
3500±200	⩾90	--	AC230	12	840	70.0	100	5
4000±300	⩾90	--	AC230	12	913	76.0	100	5
5000±400	⩾90	--	AC230	12	863	71.9	100	5
6500±400	⩾90	--	AC230	12	869	72.4	100	5

HL-NT1615AC

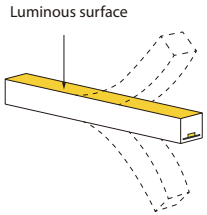
· It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
· Environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases and UV
· Excellent toughness, simple and stylish appearance, delicate and unique
· 3 years warranty, working life ≥30000 hours;



Unit: mm
Cross section



Min Bending diameter



Bend vertical only

Single color

CCT(K)	CRI	SDCM	Voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)
1800±100	⩾90	--	AC230	12	476	39.7	100	5
2400±150	⩾90	--	AC230	12	599	49.9	100	5
2700±150	⩾90	--	AC230	12	644	53.7	100	5
3000±150	⩾90	--	AC230	12	665	55.4	100	5
3500±200	⩾90	--	AC230	12	693	57.8	100	5
4000±300	⩾90	--	AC230	12	684	57.0	100	5
5000±400	⩾90	--	AC230	12	689	57.4	100	5
6500±400	⩾90	--	AC230	12	689	57.4	100	5

Parameter

Voltage	AC230V
LED PIN Temperature	Max. 65°C
Storage Temperature	-25°C~ 60°C
CRI	⩾90
Power(w/m)	12W/M
Efficacy(lm/w)@4000K	57lm/w
Working Temperature	-25°C~ 45°C