SHINESKY
OPTOELECTRONICS

360° EMITTING SILICONE NEON STRIP

Model: SK-NR25

Ver
2.4
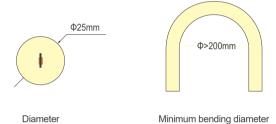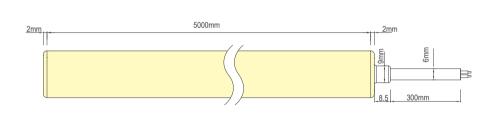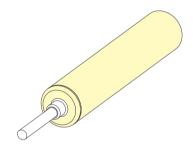
Specialized LED strip Manufacturer

Product Feature

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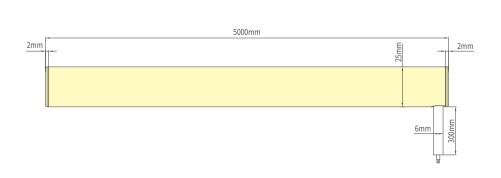- Ambient temperature: -25℃~60℃; Storage temperature: 0℃~60℃.

Φ25mm

Φ>200mm

Diameter

Minimum bending diameter

Front entry Integral End cap (IP65)

2mm   5000mm   2mm

9mm   6mm

8.5   300mm
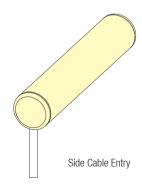
Cable entry: Front
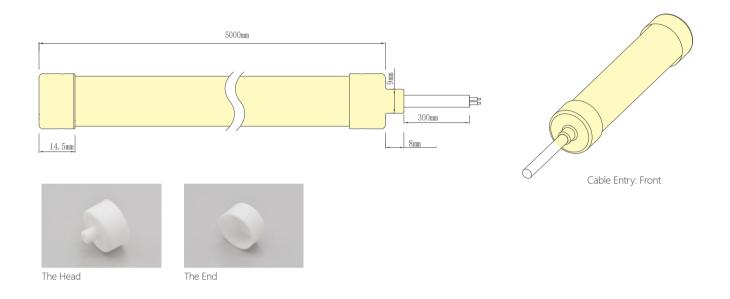
Side entry Intergral End Cap (IP65)

5000mm

2mm   25mm   2mm

6mm   300mm

Side Cable Entry

Silicone End Cap(IP65)

5000mm

9mm

300mm

14.5mm

8mm

The Head

The End

Cable Entry: Front

Metal End Cap(IP65)

2mm

5000mm

2mm

Ø12mm

6mm

18mm

300mm

18mm

11.3mm

The Head

The End

The metal guard coil is unavailable
if fitted the metal end cap

Cable Entry: Front

Photoelectric parameters (5W)

| Power (W)	CCT	Lumens (LM/M)	Efficacy (LM/W)	Voltage (v)	CRI (Ra)	Unit cut (mm)	Max. productive length (M)
Single color 5W	2400±100	272	56	24	90	/	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	/	/	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	/	5M
	5000 （W）	127	50				
	3500 （WW+W）	250	50				
RGB 5W	R: 620-630nm	27	15	24	/	/	5M
	G: 520-530nm	98	57				
	B: 465-475nm	16	9				
	RGB	144	29				
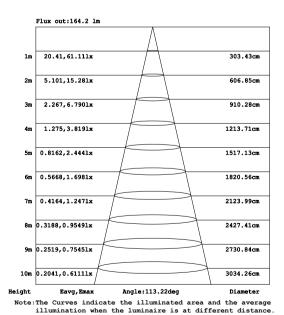
Photoelectric parameters (10W)

Power (W)	CCT	Lumens (LM/M)	Efficacy (LM/W)	Voltage (v)	CRI (Ra)	Unit cut (mm)	Max. productive length (M)
Single color 10W	2400±100	525	53	24	90	/	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	/	/	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	/	5M
	5000（W）	262	50				
	3500（WW+W）	517	50				
RGB 10W	R: 620-630nm	56	16	24	/	/	5M
	G: 520-530nm	162	47				
	B: 465-475nm	26	7				
	RGB	248	24				
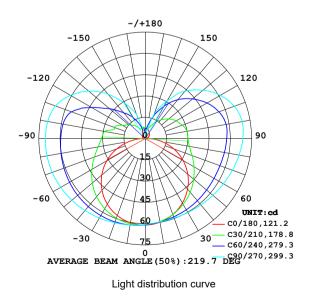
Photoelectric parameters (RGBW 16W)

Power (W)		CCT	Lumens (LM/M)	Efficacy (LM/W)	Voltage (v)	CRI (Ra)	Unit cut (mm)	Max. productive length (M)
RGB		R: 620-630nm	58	15	24	/	/	5M
		G: 520-530nm	194	49				
		B: 465-475nm	32	8				
+		RGB	281	23				
W		2200±100K	200	50	24	90	/	5M
		2700±100K	219	55				
		3200±200K	224	56				
		4500±300K	226	56				
		5500±300K	237	59				
		6500±500K	229	57				

Light distribution curve

Flux out:164.2 lm

Height	Eavg,Emax		Angle:113.22deg	Diameter
1m	20.41,61.11lx			303.43cm
2m	5.101,15.28lx			606.85cm
3m	2.267,6.790lx			910.28cm
4m	1.275,3.819lx			1213.71cm
5m	0.8162,2.444lx			1517.13cm
6m	0.5668,1.698lx			1820.56cm
7m	0.4164,1.247lx			2123.99cm
8m	0.3188,0.9549lx			2427.41cm
9m	0.2519,0.7545lx			2730.84cm
10m	0.2041,0.6111lx			3034.26cm

Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

Effective average illumination

UNIT:cd
C0/180,121.2
C30/210,178.8
C60/240,279.3
C90/270,299.3

AVERAGE BEAM ANGLE(50%):219.7 DEG

Light distribution curve

Note: The above data is based on the test results of the
single white 3000K led strip.

Product accessories

-Name：R25 - Surface mounting with open PC clips

-Model：R25-IA01

-Attachment：Transparent PC mounting clips,Tapping

screws,Expandable rubber plugs

-Name：R25 - Surface mounting with PC profile
-Model：R25-IA02
-Attachment：Transparent PC mounting profile，Tapping
screws，Expandable rubber plugs
Note: Using Transparent PC mounting profile will cause
the neon body to compress and stretch, resulting in a dark
area at the tail!

-Name：R25 - "—" type hanging mounting with open
PC clips
-Model：R25-IA03
-Attachment：Transparent PC mounting clips，Kit of
hanging rope，Screws

-Name：R25 - "—" type hanging mounting with PC
profile
-Model：R25-IA04
-Attachment：Transparent PC mounting profile，Kit of
hanging rope，Screws
Note: Using Transparent PC mounting profile will cause
the neon body to compress and stretch, resulting in a dark
area at the tail!

-Name：R25 - "I" type hanging mounting
-Model：R25-IA05
-Attachment：Kit of "I" type hanging mounting,
Tapping screws,Expandable rubber plugs

-Name：R25 - "U" type hanging mounting
-Model：R25-IA06
-Attachment：Kit of "I" type hanging mounting,
Tapping screws,Expandable rubber plugs

-Name：R25 - "I" type hanging mounting with rope
-Model：R25-IA07
-Attachment：Kit of "I" type hanging mounting with
rope,Tapping screws,Expandable rubber plugs

-Name：R25 - Connector with side outlet
-Model：R25-IA08
-Attachment：Metal connector with side outlet,
Tapping screws

-Name：R25 - Connector
-Model：R25-IA09
-Attachment：Metal connector,Tapping screws

Product accessories

-Name：R25 - Surface mounting with closed PC clips
-Model：R25-IA10
-Attachment："Ω" type transparent PC clips,Transparent PC pedestals with one hole,Tapping screws,Expandable rubber plugs

-Name：R25 - "一" type hanging mounting with closed PC clips
-Model：R25-IA11
-Attachment："Ω" type transparent PC clips,Transparent PC pedestals with one hole,Kit of hanging rope, Machine screws

-Name：R25 - Surface mounting with concealed PC clips
-Model：R25-IA12
-Attachment：Transparent PC pedestals with two holes,Transparent PC pedestals with five holes,Tapping screws,Tapping screws,Expandable rubber plugs

-Name：R25 - "一" type hanging mounting with concealed PC clips
-Model：R25-IA13
-Attachment：Transparent PC pedestals with five holes,Tapping screws,Kit of hanging rope,Machine screws

-Name：R25 - "一" type adjustable hanging mounting with open PC clips
-Model：R25-IA14
-Attachment：Transparent PC mounting clips,Machine screws,Kit of telescopic rod

-Name：R25 - "一" type adjustable hanging mounting with PC profile
-Model：R25-IA15
-Attachment：Transparent PC mounting profile,Machine screws,Kit of telescopic rod
Note: Using Transparent PC mounting profile will cause the neon body to compress and stretch, resulting in a dark area at the tail!

-Name：R25 - "一" type adjustable hanging mounting with closed PC clips
-Model：R25-IA16
-Attachment："Ω" type transparent PC clips,Transparent PC pedestals with one hole,Kit of telescopic rod

-Name：R25 - "一" type adjustable hanging mounting with concealed PC clips
-Model：R25-IA17
-Attachment：Transparent PC pedestals with five holes,Tapping screws,Kit of telescopic rod,Machine screws

-Name：R25 side outlet transparent connector
-Model：R25-IA18
-Attachment：Screws,PMMA transparent side outlet connector

Product accessories

-Name： R25 side outlet transparent connector with lifting rope
-Model： R25-IA19
-Attachment： Screws,Kit of hanging rope,
    Expandable rubber plugs,Tapping
    screws,PMMA transparent side outlet
    connector；

-Name： R25 transparent connector
-Model： R25-IA20
-Attachment：Screws,PMMA transparent connector；

-Name： R25 transparent connector with lifting rope
-Model： R25-IA21
-Attachment： Screws,Kit of hanging rope,
    Expandable rubber plugs,Tapping
    screws,PMMA transparent connector；

-Name： R25-Horizontal hanging circular tube 1M
-Model： R25-IA22
-Attachment： Screws,Kit of hanging rope,
    Expandable rubber plugs,Tapping
    screws,PMMA transparent circular tube；
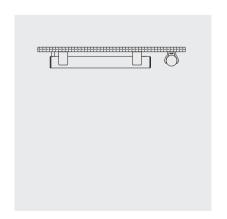
-Name： R25-Horizontal hanging circular tube 2M
-Model： R25-IA23
-Attachment： Screws,Kit of hanging rope,
    Expandable rubber plugs,Tapping
    screws,PMMA transparent circular tube；
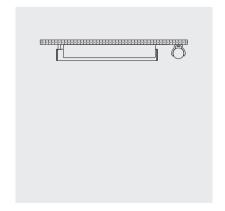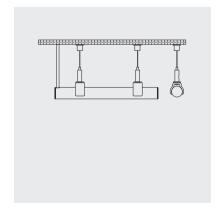
Installation method

R25 - Surface mounting with open PC clips
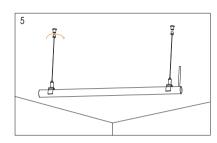(R25-IA01)

R25 - Surface mounting with PC profile
(R25-IA02)
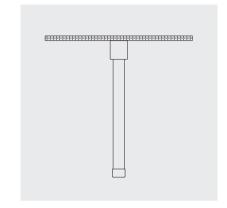
R25 - "—" type hanging mounting with
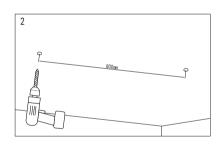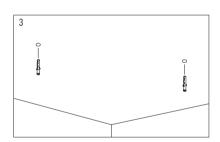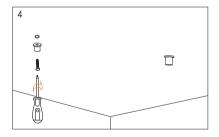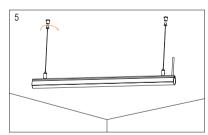open PC clips
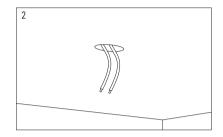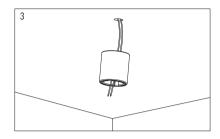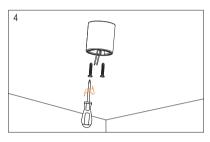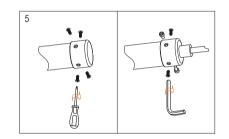(R25-IA03)

Installation method

R25 - "—" type hanging mounting with
PC profile
(R25-IA04)
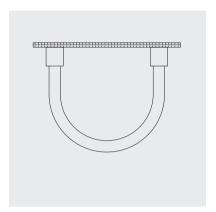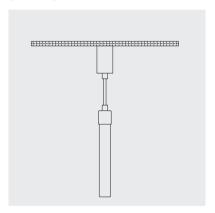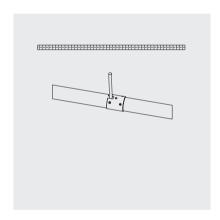
R25 - "I" type hanging mounting
(R25-IA05)

R25 - "U" type hanging mounting
(R25-IA06)
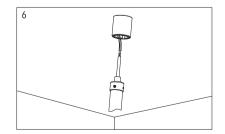
R25 - "I" type hanging mounting with rope
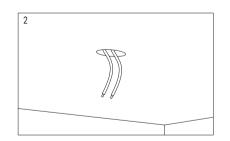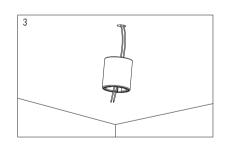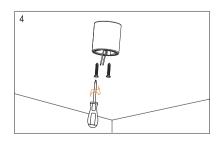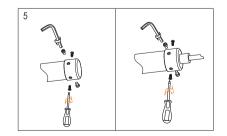(R25-IA07)
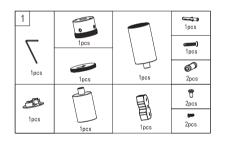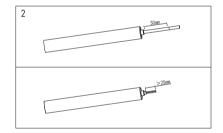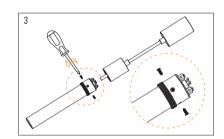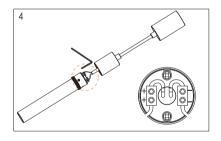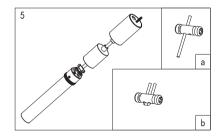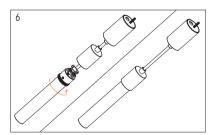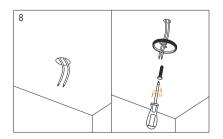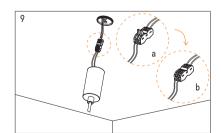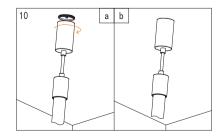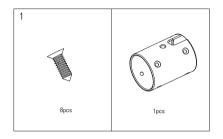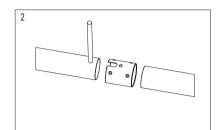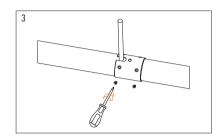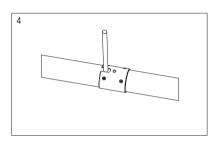
R25 - Connector with side outlet
(R25-IA08)
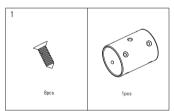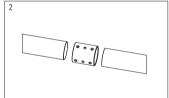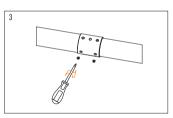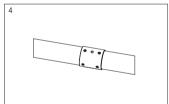
R25 - Connector
(R25-IA09)
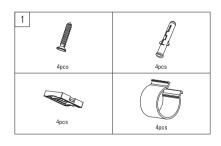
R25 - Surface mounting with closed PC
clips
(R25-IA10)

R25 - "—" type hanging mounting with
closed PC clips
(R25-IA11)

R25 - Surface mounting with concealed PC
clips(R25-IA12)

Installation method

R25 - "—" type hanging mounting with concealed PC clips(R25-IA13)
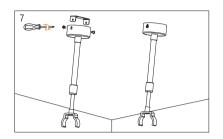
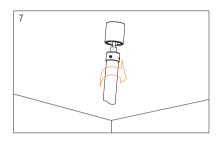R25 - "—" type adjustable hanging mounting with open PC clips (R25-IA14)

R25 - "—" type adjustable hanging mounting with PC profile (R25-IA15)
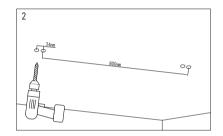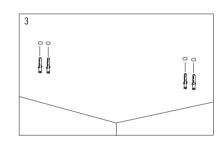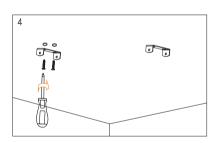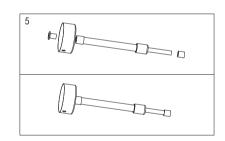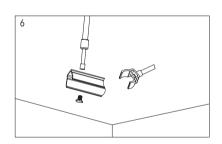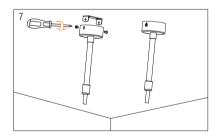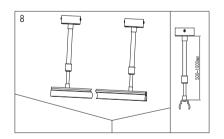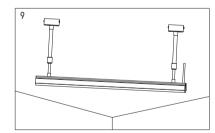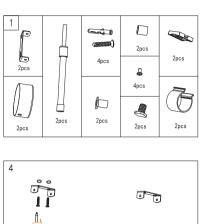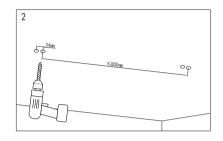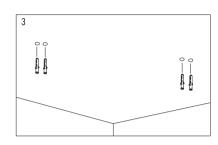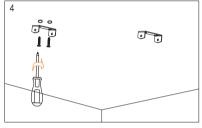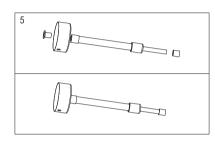
R25 - "—" type adjustable hanging mounting with closed PC clips (R25-IA16)

R25 - "—" type adjustable hanging mounting with concealed PC clips (R25-IA17)

R25-Side outlet transparent connector (R25-IA18)
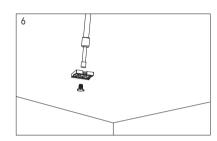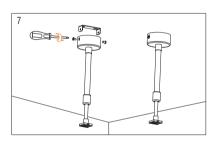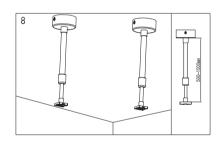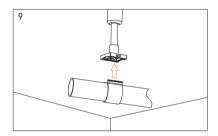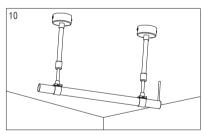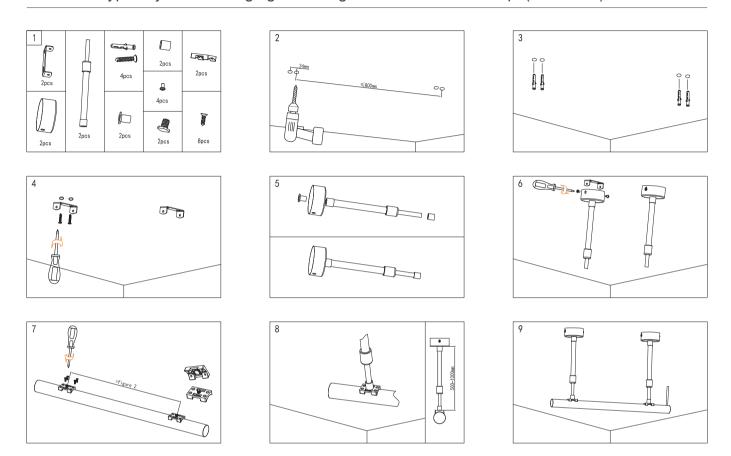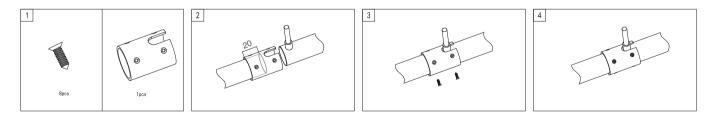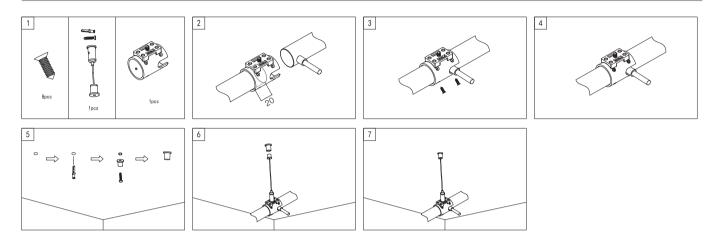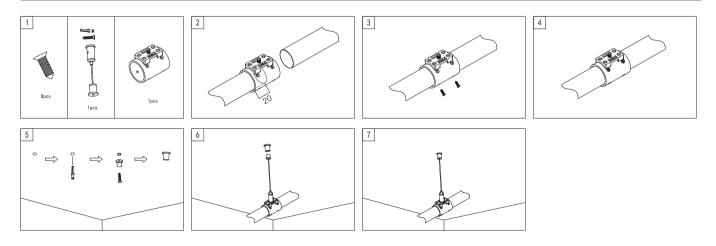
R25-side outlet transparent connector with lifting rope (R25-IA19)
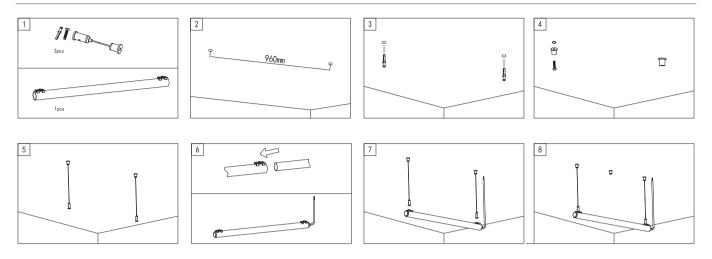
R25 transparent connector (R25-IA20)

R25 transparent connector with lifting rope (R25-IA21)

Installation method

R25-Horizontal hanging circular tube 1M
(R25-IA22)

R25-Horizontal hanging circular tube 2M
(R25-IA23)

R25 - Surface mounting with open PC clips(R25-IA01)

R25 - Surface mounting with PC profile(R25-IA02)

R25 - "⌐" type hanging mounting with open PC clips(R25-IA03)
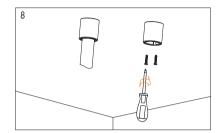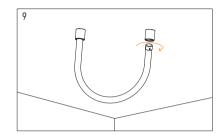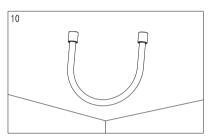

R25 - "⌐" type hanging mounting with PC profile(R25-IA04)

R25 - "I" type hanging mounting(R25-IA05)

1		
6pcs		1pcs
2pcs	1pcs	1pcs
2pcs		

2	3

4	5	6

7	8

R25 - "U" type hanging mounting(R25-IA06)

1		
4pcs		1pcs
4pcs	2pcs	1pcs
4pcs		

2	3

4	5	6

R25 - "U" type hanging mounting(R25-IA06)


R25 - "I" type hanging mounting with rope(R25-IA07)

## R25 - Connector with side outlet(R25-IA08)

1		2	3
8pcs	1pcs		

4

R25 - Connector(R25-IA09)

1		2	3	4
8pcs	1pcs			

R25 - Surface mounting with closed PC clips(R25-IA10)

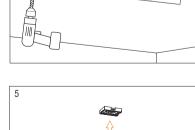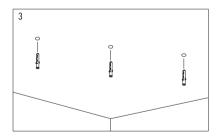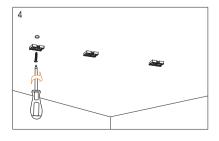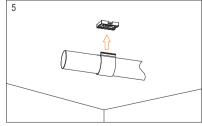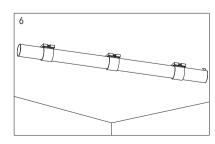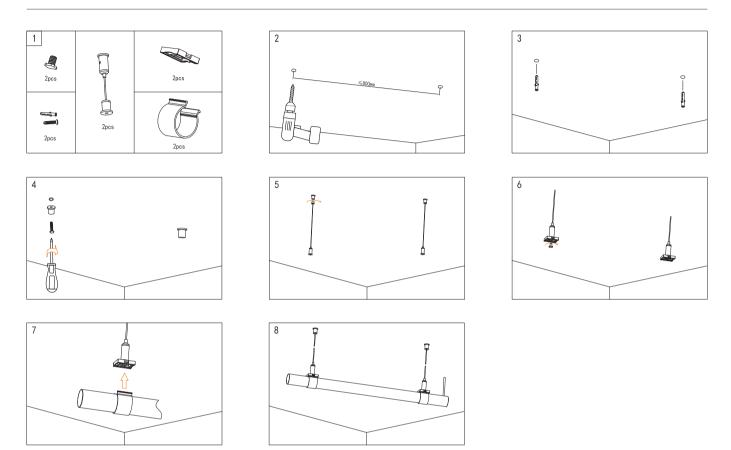| 1		2	3
4pcs	4pcs	≤400mm ≤400mm	
4pcs	4pcs		

4	5	6

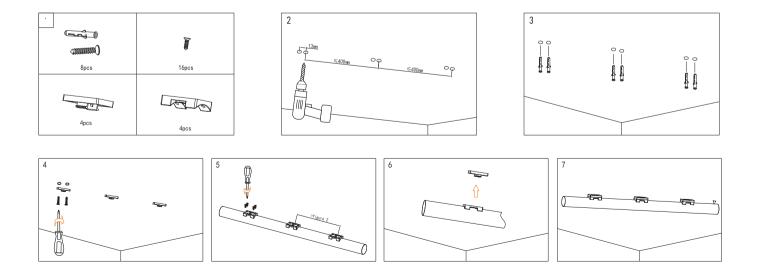## R25 - "一" type hanging mounting with closed PC clips(R25-IA11)

R25 - Surface mounting with concealed PC clips(R25-IA12)

R25 - "━" type hanging mounting with concealed PC clips(R25-IA13)

R25 - "━" type adjustable hanging mounting with open PC clips(R25-IA14)

R25 - "一" type adjustable hanging mounting with open PC clips(R25-IA14)

R25 - "一" type adjustable hanging mounting with PC profile(R25-IA15)
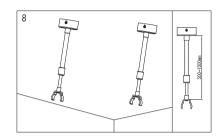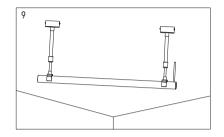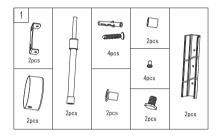
R25 - "⌐·" type adjustable hanging mounting with closed PC clips(R25-IA16)

R25 - "一" type adjustable hanging mounting with concealed PC clips(R25-IA17)

R25 side outlet transparent connector (R25–IA18)

R25 side outlet transparent connector with lifting rope (R25–IA19)

1	2	3	4
8pcs 1pcs 1pcs	20		

5	6	7

R25 transparent connector (R25–IA20)

1	2	3	4
8pcs 1pcs	20		

R25 transparent connector with lifting rope (R25–IA21)

1	2	3	4
8pcs 1pcs 1pcs	20		

5	6	7

R25–Horizontal hanging circular tube1M（R25–1A22）

1	2	3	4
2pcs 1pcs	960mm		

5	6	7	8

R25–Horizontal hanging circular tube 2M（R25–1A23）

1	2	3	4
2pcs 1pcs	1960mm 980mm		

5	6	7	8

Connection diagram for single color light
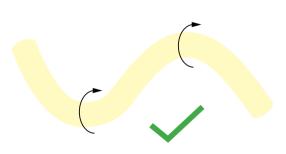
Connection diagram for tunable white light
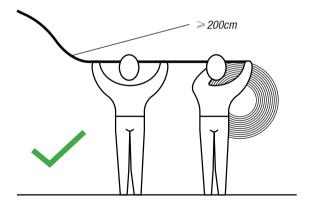
Installation/Use Precautions

◆ The unopened products and the unused products after unpacking, should be sealed in packaging bags to avoid long-term exposure.

◆ Please use DC24V isolated constant voltage switching power supply with ripple voltage less than 5%. Other types of power supply may damage the product or cause other safety risks.

◆ In practical application, the power supply should be retained with a 20% allowance (it is recommended to use only 80% power of the power supply) to ensure the stability of the power supply.

◆ Professional operators are recommended to wire and connect the power supply. It is strictly prohibited to connect the power supply with electricity in case of electric shock.

◆ Please confirm whether the voltage of the power supply is consistent with the voltage of the product before wiring.

◆ Please note the positive and negative sides of the power cord and connect them properly.

◆ When using multiple power supply, the situation of parallel connection of the positive pole of the power supply should be avoided. It will lead to instability of the power supply system and damage to the product after long-term operation.

◆ If the actual length of the application exceeds the specified length, it will lead to the phenomenon of heating and uneven brightness of the strip due to overload.

◆ During installation, please avoid twisting or irregular bending of the strip, and avoid any operation that will scratch the strip, otherwise it may cause irreparable damage to the product.

◆ In order to ensure the life and reliability of the strip, please ensure that the diameter of the bending should be greater than 200mm.

◆ For the sake of eye protection, please avoid looking directly at the illuminated surface for a long time.

◆ Non-professionals are strictly prohibited from installing, disassembling or repairing the strip.

◆ Do not use any acid or alkaline adhesive to fix the strip (including but not limited to glass glue, etc.)

◆ Different levels of waterproof, different use environment. IP65 is not suitable for immersion application.

◆ Due to structural differences, the final visual color of the strip will be slightly different for products of different sizes and specifications under the same color temperature value.

◆ Due to the difference in structure, the same color temperature value, different size/specification of the strip, their final visual color will be slightly different. Please make confirmation before use.

◆ It is forbidden to cut this product to avoid damage to the strip due to improper operation.

◆ Customers are not allowed to cut this product by themselves.

Bending diameter must be greater than 200mm

≥200cm

When the length of the strip is longer than 2 meters, have two people work together to install it.

Installation/Use Precautions

Small Angle bending is prohibited

Prohibit trample

Tests show that formaldehyde and benzene substances will make silicone products yellowing.

If the silicone products are used in the indoor environment of new decoration, epoxy floor paint, wall paint, wallpaper adhesive, all kinds of decoration materials, or new furniture, are likely to release formaldehyde and benzene substances.In order to avoid silicone material affected, it is suggested that the use of the environment after the completion of the new decoration, formaldehyde and benzene should be removed first, or it should be ventilated for a period of time before installing the strip.

SHINESKY

Specialized LED strip Manufacturer

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