

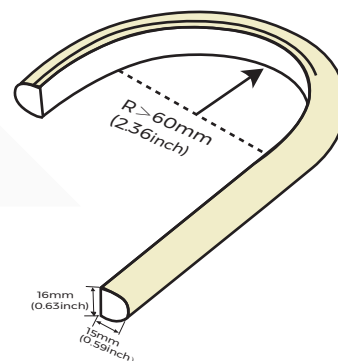
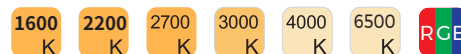
AN Series Specification

ANT1615



【Features】

- Light source: high luminous efficiency LED lamp beads;
- Process material: three-color silicone extrusion technique is applied, Cutting mark more clear;
- Optical design: unique optical light distribution structure design, uniform light emission on the surface without shadows;
- Appearance design: Standard ESD oil spray, anti-dust; good flexibility, simple shape, exquisite and unique;
- Environmental characteristics: salt solution resistance, acid and alkali corrosion resistance, flame retardant resistance, UV resistance;
- Working/storage temperature: Ta: -20~110°C / 0°C~60°C;
- Product application: Sauna lighting;
- 5 years warranty or working life =60000H, whichever comes first.



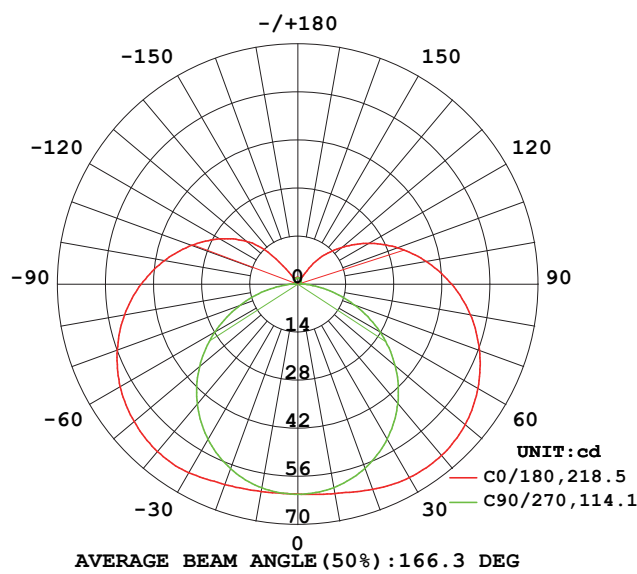
【Basic Parameters】

Model	CCT/colors	Color range	CRI	Input voltage (V)	Rated current (A/m)	Rated power (w/m)	Maximum power (w/m)	Lumens (LM/m)	Standard Length	Remark
ANTI615-9XW24CXW025XX0500-GV10-ENP-ESD	1600K	1500-1700K	>90	24V	0.2 (0.12A/ft)	5 (2.93W/ft)	5.5 (3.23W/ft)	165(50/ft)	15000mm (49.2ft)	16LED/50mm
	2200K	2150-2400K						345(105/ft)		
	2700K	2500-2730K						360(110/ft)		
	3000K	2920-3170K						390(119/ft)		
	4000K	3770-4220K						420(128/ft)		
	6500K	6100-6900K						455(139/ft)		
ANTI615-ORGB 24CXW025XX0500-GV10-ENP-ESD	RGB	R: 620-627.5nm G: 520-527.5nm B: 455-462.5nm	/	24V	0.3 (0.09A/ft)	7.2 (2.20W/ft)	7.9 (2.41W/ft)	164(50/ft)	5000mm (16.4ft)	6*3LED/50mm

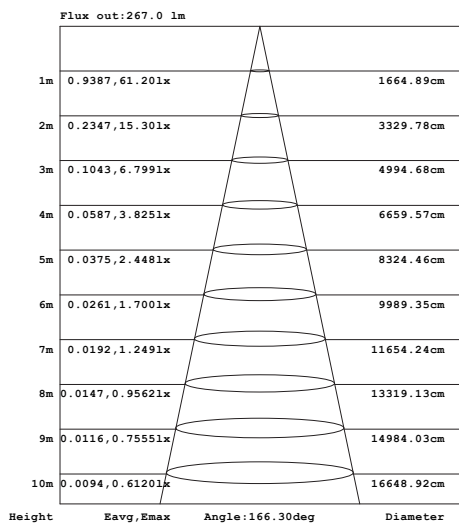
Note:

1. The above data is the testing result of 1M standard product;
2. The luminous flux is allowed to have an error range of -15%~+∞;
3. The above parameters are all typical values.

[Light Distribution]



Light distribution



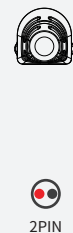
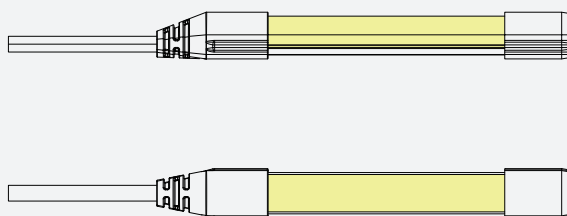
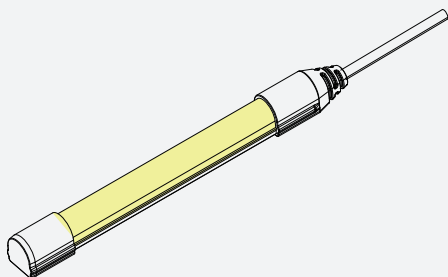
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Effective average illuminance

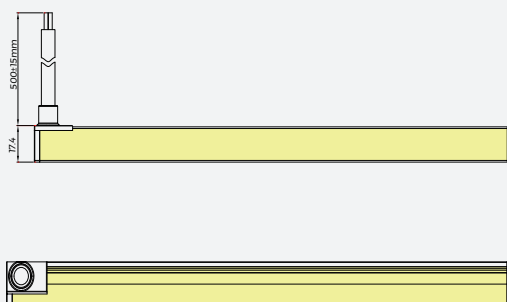
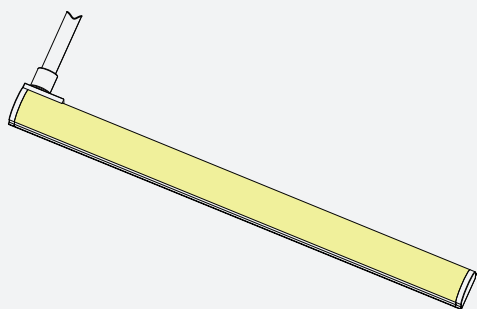
Note: The above data is based on 24V monochrome 4000K color temperature. If you need other models of IES files, please download the corresponding models from the IES database.

[Product Mechanical Parameters]

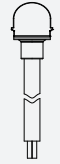
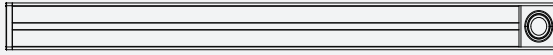
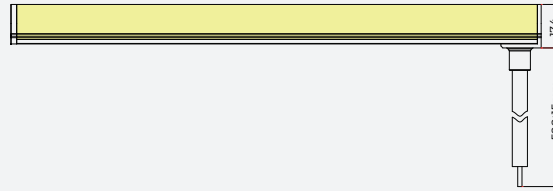
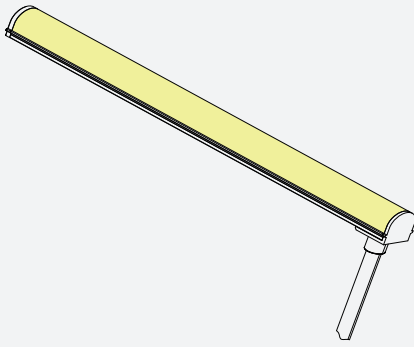
• IP67 Full encapsulted cap(EP)-top outlet



• IP67 No dark cap(ENP)- side outlet (white light)



• IP67 No dark cap(ENP)- bottom outlet



[Accessory Information]

Name	Description	Image	Sectional size	Ordering code	Quantity case (PCS)	net weight (kg)	Per box net weight (kg)	Gross weight (kg)	Packing (mm)	Remark
Alumina carrier	Flat mounting aluminum groove			AS-NTT1615A-1000	100	0.098	9.8	10.8	1180*125*115	Size: L1000*W17.8*H7.9mm with screws
Aluminum clip	Flat mounting of clip			AS-NTT1615A-25	800	0.0047	3.76	4.06	250*250*150	Size: L25*W17.8*H7.9mm with screws
wire	2P T-Connection Wire		/	AS-FC-0027	20	0.065	1.31	1.6	250*250*150	Suitable for monochromatic led strip Wire length 150mm, IP67
wire	2P male connector wire		/	AS-FC-0009(0.25M)	200	0.0193	3.86	4.16	250*250*150	suitable for monochromatic led strip Wire lengths are optional: 0.25M/0.5M/2M
				AS-FC-0010(0.5M)	200	0.031	6.2	6.5		
				AS-FC-0011(2M)	50	0.1012	5.06	5.36		
wire	2P female connector wire		/	AS-FC-0012(0.25M)	200	0.0212	4.24	4.54	250*250*150	suitable for monochromatic led strip Wire lengths are optional: 0.25M/0.5M/2M
				AS-FC-0013(0.5M)	200	0.0329	6.58	6.88		
				AS-FC-0014(2M)	50	0.1031	5.16	5.48		
wire	4P T-Connection Wire		/	AS-FC-0028	20	0.068	1.35	1.65	250*250*150	suitable for RGB led strip Wire length 150mm
wire	4P male connector wire		/	AS-FC-0015(0.25M)	200	0.0196	3.92	4.22	250*250*150	suitable for RGB led strip Wire lengths are optional: 0.25M/0.5M/2M
				AS-FC-0016(0.5M)	200	0.0316	6.32	6.62		
				AS-FC-0017(2M)	50	0.1036	5.18	5.48		
wire	4P female connector wire		/	AS-FC-0018(0.25M)	200	0.0215	4.3	4.6	250*250*150	suitable for RGB led strip Wire lengths are optional: 0.25M/0.5M/2M
				AS-FC-0019(0.5M)	200	0.0354	7.08	7.38		
				AS-FC-0020(2M)	50	0.1188	5.94	6.24		

【Product control system solutions】

Product Image	product name	Product number	Product specifications	Applicable Products
	Monochrome remote	R6-1	output signal: RF Working voltage: 3VDC (CR2032) Remote control distance: 30m Working temperature: Ta: 0-30 °C-0+55 °C	Monochrome light strip (Use with CR1-GBA)
	Monochrome light controller	CR1-GBA	Input voltage: DC12-48V Output current: 15A@12V/24V, 10A@36V/48V Output Power: Max 180W@12V/Max 360W@24V/Max 360W@36V/Max 480W@48V Working temperature: -30°C—+55°C	Monochrome light strip (Use with CK1-GBA)
	RGB/RGBW remote control	R8-1	output signal: RF Working voltage: 3VDC (CR2032) Remote control distance: 30m Working temperature: Ta: 0-30 °C-0+55 °C	RGB/RGBW light strip (Use with CR3-GBA/CR4-GBA)
	RGB controller	CR3-GBA	Input voltage: DC12-48V Output current: 18A Output Power: Max 216W@12V/Max 432W@24V/Max 648W@36V/Max 864W@48V Working temperature: -30°C—+55°C	RGB light strip (Use with R8-1)

【Packaging Solutions】

• Standard Packaging

1. Line marking, the line marking is affixed at a distance of 80mm from the end of the line;



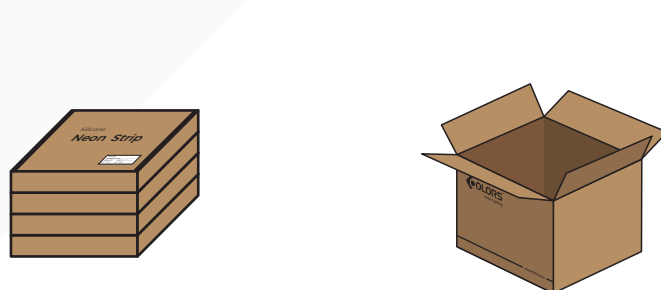
4. Label the carton and pack it into the carton



2. Put the product information label on the back back of the static bag inside the marking line;

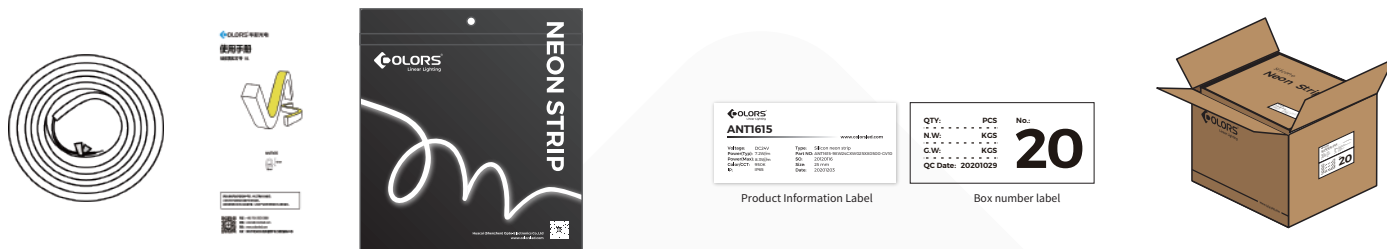


5. Pack 4 boxes of products in the carton



3.Put the light strip into anelectrostatic bag,
one roll per bag, and seal the bag;

6. Put the product information label and the box number
label on the side of the carton, and the QC inspection stamp



Model	Product size	Product Quantity/ box	Product Quantity/ case	Product net weight (kg)	Net weight per box (kg)	Gross weight (kg)	Carton size (m)
ANT1615-9XW24CXW025XX1500	L15000*16*15mm	15M*1	60M	2.85	11.4	13.7	0.41*0.41*0.26
ANT1615-0RGB24CXW025XX0500	L5000*16*15mm	5M*3	60M	0.95	11.4	13.7	0.41*0.41*0.26

【Reliability Test】

Test Item	Classification	Reference	Test method or condition
Safety test	Mechanical strength	IEC 60598-1; IEC 60598-2-21	The hammer spring Impact energy 0.35J
	IP	IEC 60598-1; IEC 60598-2-21	IP67
	Winding Test	IEC 60598-1; IEC 60598-2-21	φ150mm cylinder, 60N pull, winding 10 times at (-25°C ±2°C), and 10 times after (-15°C ±2°C, 16h).
	Cold Bend Test	IEC 60598-1; IEC 60598-2-21	wound on mandrel, low-temperature (-15°C ±2°C, 16h), around the mandrel for two turns
	Cold Impact test	IEC 60598-1; IEC 60598-2-21	Low-temperature (-15°C ±5°C, 16h), hammer falls from a height of 100mm.
	Insulation Resistance	IEC 60598-1; IEC 60598-2-21	≤ 2MΩ
	Electrical strength	IEC 60598-1; IEC 60598-2-21	500V
Mechanical reliability testing	Bending test	Colors	Each 200mm, bending up and down 100 times
	Bending test	Colors	Each 200mm, bending left and right 100 times
	Torsion test	Colors	Twist clockwise 5 times and then release, repeat 200 times
	Disassembly and assembly test	Colors	Repeat disassembly and assembly, 10 times
Environment Reliability testing	High temperature storing test	IEC 60068-2-2	80°C, 168h
	Low temperature storing test	IEC 60068-2-1	-40°C, 168h
	High temperature and Humidity impact	IEC 60068-2-78	60°C, 85%RH
	Salt Spray test	IEC 60068-2-11	5% salt solution concentration, 24h
	IK	IEC 62262	5 times of impact on each exposed surface
	Lifetime aging test	Colors	35°C, 6000h
	switch test	Colors	10s On, 10s Off, 10000 times

【Precautions】

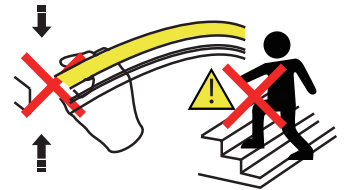
- Use a 24V DC isolated power supply to drive the neon lamp strip and the ripple wave of constant voltage source shall be less than 5%. It is not allowed to use RC voltage reduction or non-isolated power supply to drive the neon lamp strip.
- In actual applications, 20% of the power supply shall be kept (only 80% of the power is used) to guarantee that sufficient voltage is available to drive the product.
- Attention shall be paid to safe operation. After powering on, it is not allowed to touch the AC power supply to avoid an electric shock.
- Attention shall be paid to the positive and negative poles of the wires during installation and whether the power supply conforms to required voltages to avoid damages.
- Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
- Please do not bend the strip into an arc with a diameter less than 30mm to ensure the longevity and reliability, the bending diameter too small will damage the product itself.
- If the actual length of application exceeds the specified using length, it will lead to overload heating and uneven brightness.
- To keep the eyes from being harmed, try to avoid staring at the glowing side of the LED strip for a long time.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- Do not use any acid or alkaline adhesive to fix products (including not limited to glass cement, etc.)
- Products with different IP grade should be used in different environments, the product with IP65 is not suitable for use in water-immersed environment .
- The final color of products with different sizes and specifications is slightly deviated due to structural differences under the same color temperature, which should be confirmed before use.
- Please use professional cutting tools when cutting.
- Attention, there are 2 soldering parts per reel (5m/reel) at most when mass production.
- Due to the characteristics of the silicone material, it is normal for the color of the colloid to change slightly after the neon product is used for a long time.
- It is strictly forbidden to use 502/705 and other adhesives that are prone to chemical reactions with silica gel during construction and installation. It is recommended to use silicone sealant for bonding.
- Long-term storage and the remaining products after cutting and use must be sealed to avoid exposure to organic environments such as aldehydes/benzenes.
- When the product is installed and used, it is recommended that the product as a whole be in the same environmental conditions to avoid inconsistent color changes of the product colloid due to differences in product exposure and environmental conditions.
- When using dimmer and dimming power supplies like Triac, etc, conduct compatibility tests on the product, dimmers and power supplies to ensure full compatibility. If any issues arise, contact COLORS for technical support.



No stretching



No distortion



No trampling