

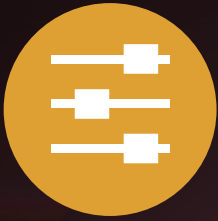


Traffic signal following tube

—Traffic lights that illuminate the poles to better help drivers see them —



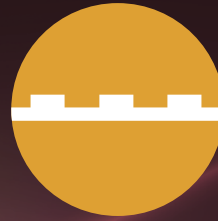
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ANTI-DEATH LAMP
DESIGN



LED CHIP



LOW PROFILE



COLOUR OPTIONS



IP68 WATERPROOF
RATING



SOFT RUBBER

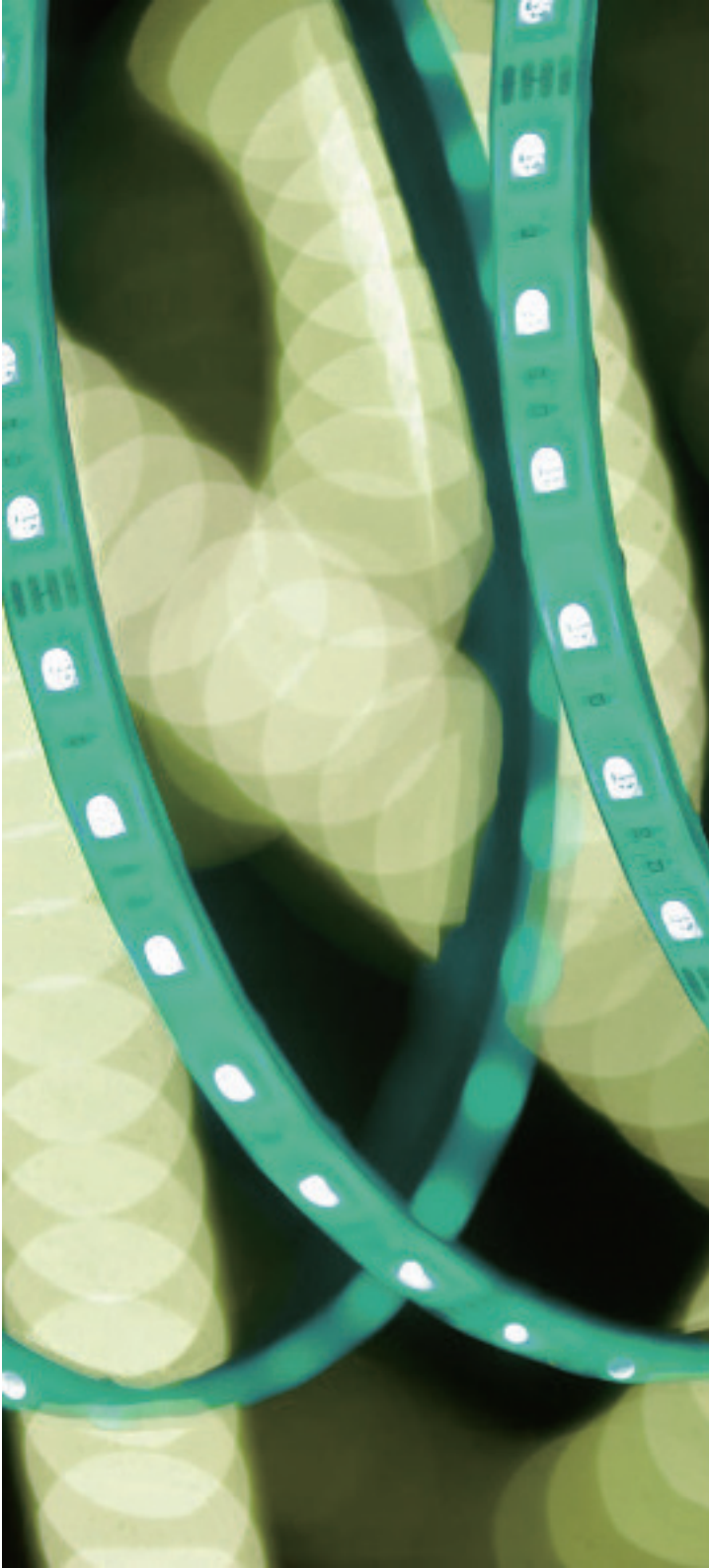


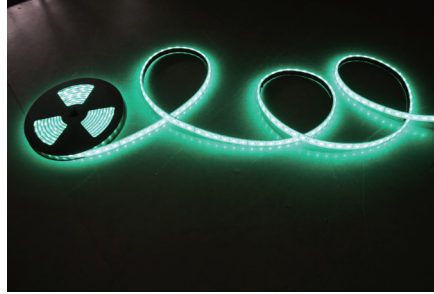
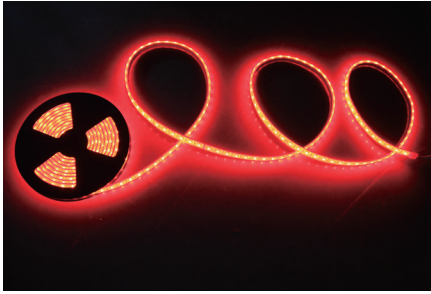
3M TAPE / PEEL
& STICK

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Introduction

Many car owners have this experience. There is only one lane on the road or there are trees blocking roads on both sides of the road. When the traffic lights are waiting, the driver's line of sight will be blocked by the tree or the large truck or bus in front, and the traffic lights at the intersection are not visible. Thus, the behavior of the signal light is misunderstood. In order to solve this problem, Noble Opto designed the traffic signal following tube. The traffic signal following tube are installed separately on the cross arm and the vertical pole of the signal light pole. When the signal is red light, the traffic signal following tube is synchronously displayed as a red light; when the signal light changes to a yellow light, the traffic signal following tube synchronously displays yellow; when the signal light changes to a green light, the traffic signal following tube is synchronously displayed in green. The main difference between this kind of the Traffic signal following tube and ordinary signal light is that there are two eye-catching traffic signal following tube on the light pole, which can change with the signal light. This kind of signal light is very conspicuous day and night, and the overall appearance is beautiful. It can be seen from 300 meters away, which is very eye-catching, thus effectively avoiding the occurrence of mis-spoken signal behavior when the signal light is blocked.

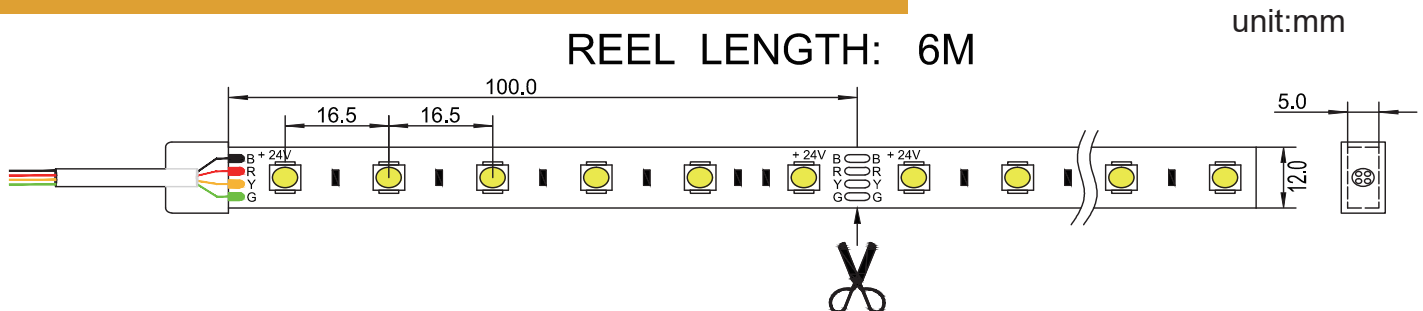


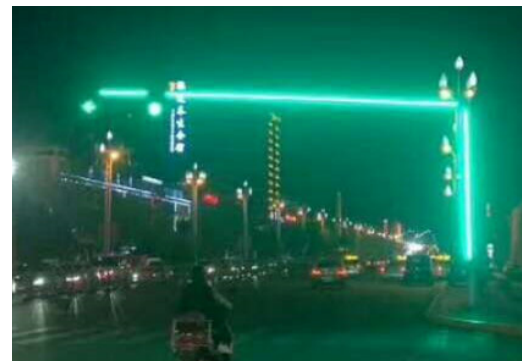
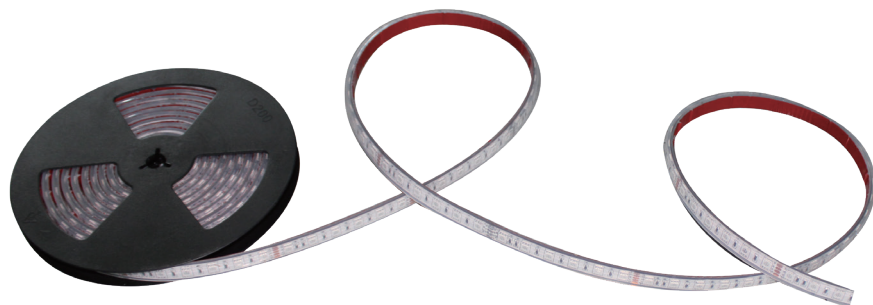


Traffic signal following tube features

- The product can automatically detect the traffic signal to realize the follow-up signal lamp full or backward 9 seconds decrementing countdown (to achieve this function requires a control box in each direction)
- The light source uses the same LED bead as the conventional traffic signal, maintaining the color consistency with the signal source.
- The product is divided into 6 meters long and one roll. According to the actual length of the signal light rod, the scene can be freely spliced.
- There is 3M glue on the back of the product. Before installation, the 3M adhesive is torn off and fixed, then the stainless steel cable tie is used to fix the product on the rod. It is simple and convenient.
- The product is easy to install, does not require additional external power supply, and can be directly connected to the terminal block of the original traffic signal light, which is convenient and ensures the simultaneous display with the traffic signal light.

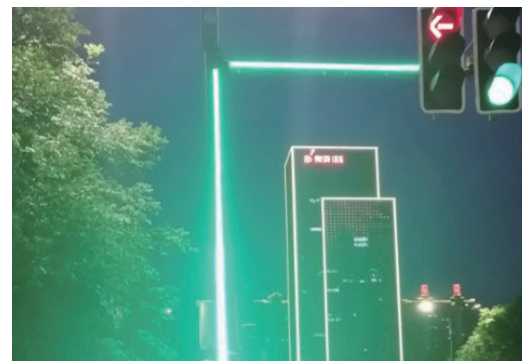
Traffic signal following tube Dimensions



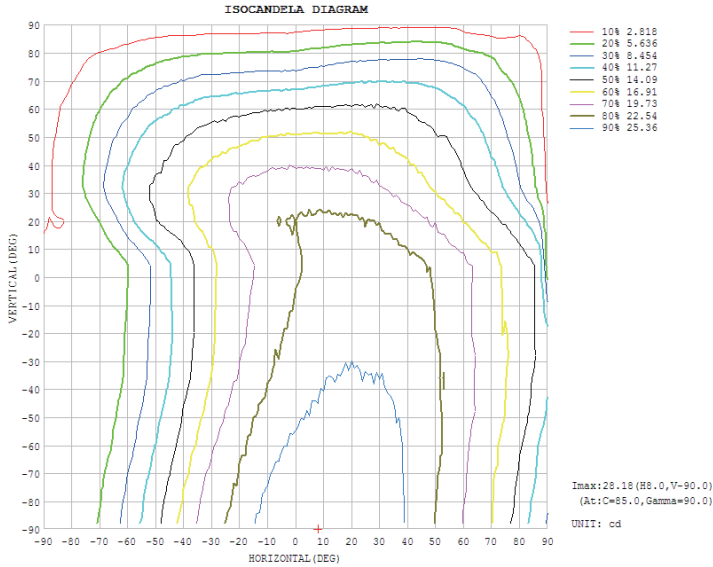


Traffic signal following tube parameters

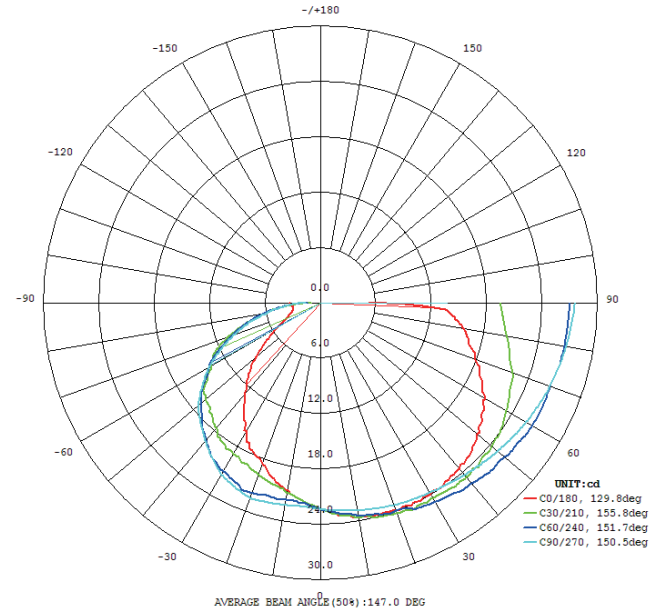
Supply voltage	24VDC
Dimensions	6000*12*5mm (L * W * H)
Power consumption	<6W/m
Product weight	560g
Ambient temperature	-40°C ~ +60°C
LED light source	Taiwan crystal lamp beads
Working humidity	10% to 95% RH (no condensation)
Visible distance	300 meters
Number of LED lights	RYG 60PCS/M
Lamp color	red yellow green
Viewing angle	120 degree
LED package	5050
Waterproof rating	IP68
Wavelength	Red:625±5nm, yellow:590±5nm, green:502±5nm
Brightness	Red/Yellow ≥5500cd/ m2, green ≥9000cd/ m2
Standard	GB14887-2003, CE
Warranty	2 Years
Life span	>80000 hours



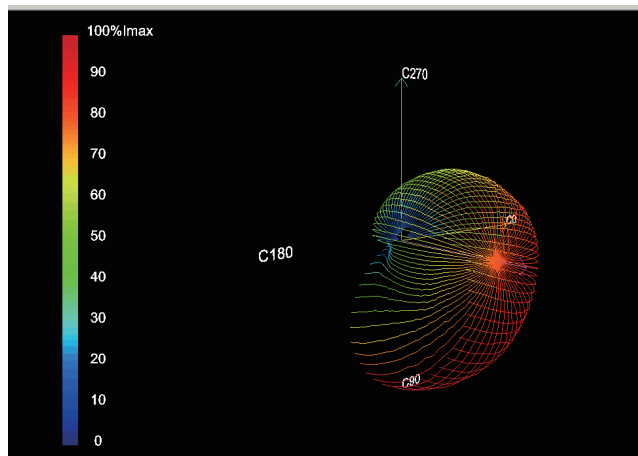
Equal light intensity curve



Light intensity distribution curve



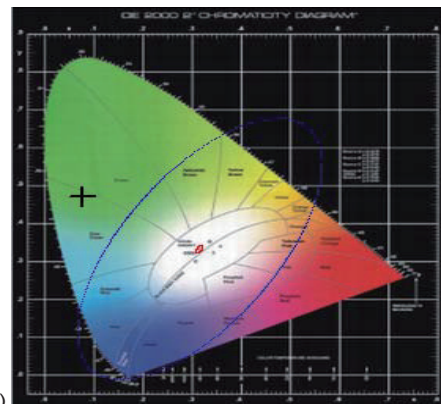
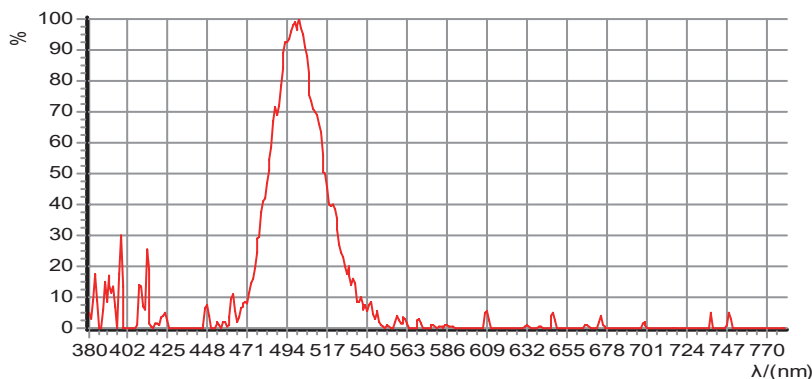
Three-dimensional intensity distribution



LED Integrated Testing System test report

test item:	LED spectrum analyse		
equipment:	Led test system		
Test Identifier	Product	5050Green Green Lamp	Manufacturer: NB
	Temperature	25 ° C	Humidity: 55 %
	Conner:	LX	Date: 2019. 8. 27
	Organ:		

curve of spectrum power distributing

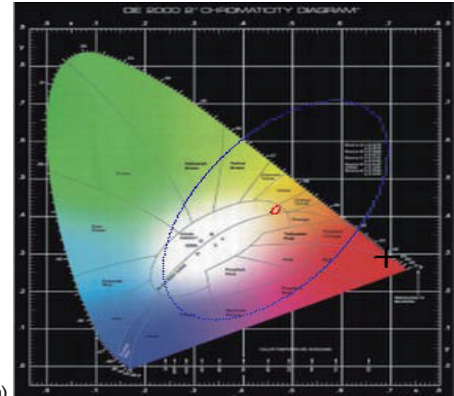
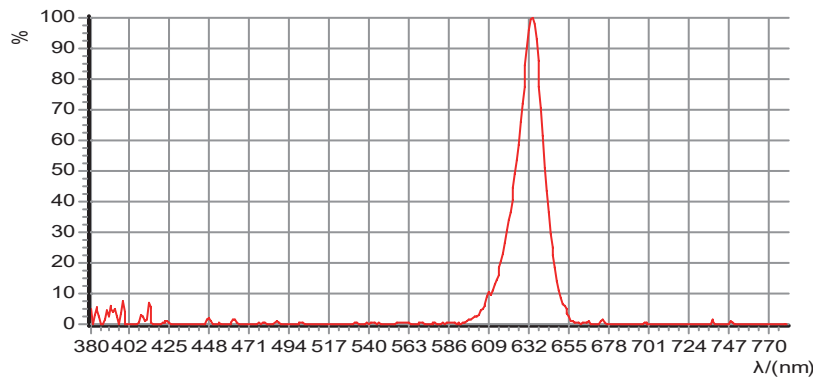


Spectrum		Electrical	
λ (Peak):	502.4 nm	I(test):	510 mA
λ (Main):	501.8 nm	V(Positive):	24 V
λ (Centroid):	485.6 nm	φ _v :	708.0 mlm
λ (Center):	480.0 nm	Light Effi:	0.000 lm/w
BandWidth:	35.0 nm	Light Power:	2.8520 mw
ColorTemp:	K		
(x, y):	0.0758, 0.4725		
(u, v):	0.0356, 0.3328		
Ra:	-25.1		
Color Purity:	0.799		

LED Integrated Testing System test report

test item:	LED spectrum analyse		
equipment:	Led test system		
Test Identifier	Product	5050Red LED Red Lamp	Manufacturer: NB
	Temperature	25 ° C	Humidity: 55 %
	Conner:	LX	Date: 2019. 8. 27
	Organ:		

curve of spectrum power distributing

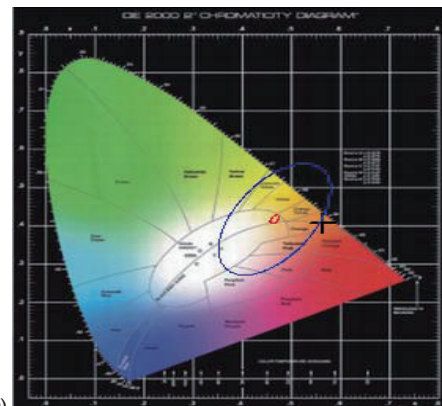
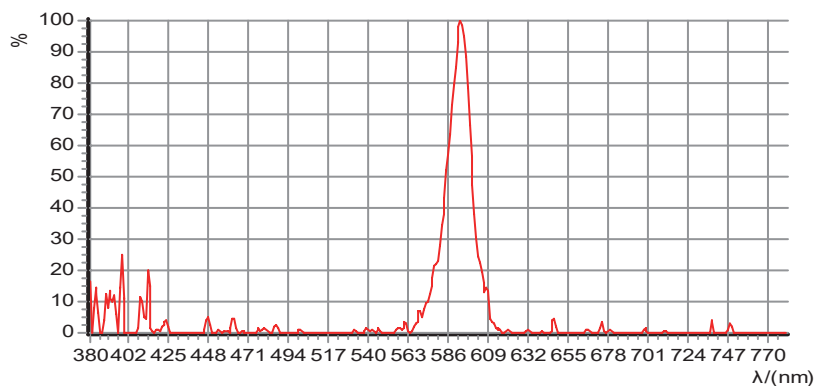


Spectrum		Electrical	
λ (Peak):	622.2 nm	I(test):	1400 mA
λ (Main):	621.5 nm	V(Positive):	24 V
λ (Centroid):	621.1 nm	φv:	mlm
λ (Center):	623.0 nm	Light Effi:	0.000 lm/w
BandWidth:	18.0 nm	Light Power:	5.1725 mw
ColorTemp:	K		
(x, y):	0.6886, 0.2959		
(u, v):	0.5324, 0.3432		
Ra:	0.0		
Color Purity:	0.954		

LED Integrated Testing System test report

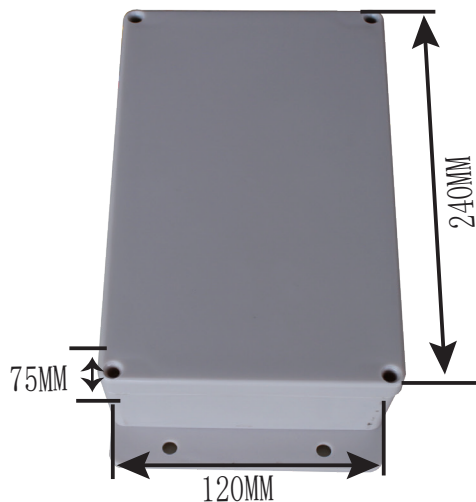
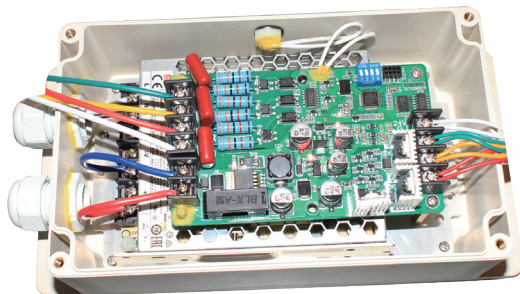
test item:	LED spectrum analyse			
equipment:	Led test system			
Test Identifier	Product	5050Yellow Yellow Lamp	Manufacturer:	NB
	Temperature	25 ° C	Humidity:	55 %
	Conner:	LX	Date:	2019. 8. 27
	Organ:			

curve of spectrum power distributing



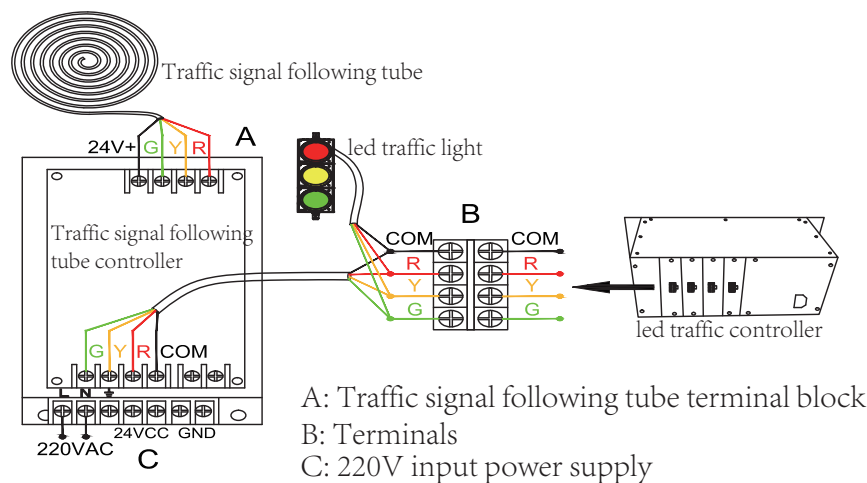
Spectrum		Electrical	
λ (Peak):	592.5 nm	I(test):	1370 mA
λ (Main):	591.4 nm	V(Positive):	24 V
λ (Centroid):	574.0 nm	Φ_v :	mIm
λ (Center):	577.0 nm	Light Effi:	0.000 lm/w
BandWidth:	16.0 nm	Light Power:	1.6310 mw
ColorTemp:	K		
(x, y):	0.5625, 0.4095		
(u, v):	0.3314, 0.3619		
Ra:	-29.4		
Color Purity:	0.918		

Traffic signal following tube Controller



parameters

Product name	Traffic signal following tube controller
Product material	ABS
Product size	240*120*75MM
Product net weight	1230g
Working voltage	110~220VAC/24VDC
No-load power	<2W
Full load power	<75W
Ambient temperature	-40°C ~+60°C
Working humidity	10% to 95% RH (no condensation)
Warranty	2 years
waterproof rating	IP65
Mode selection	Four-speed dimming mode selection (can be achieved by internal dialing)
standard	GB14887-2003, CE





LED TRAFFIC LIGHT CONTROLLER PROVIDER
Factory Outlet

Traffic signal following tube

IP68



ISO



Traffic signal following tube Rendering



Traffic signal following tube Rendering



Traffic signal following tube Rendering





SHENZHEN NOBLE OPTO CO.,LTD.

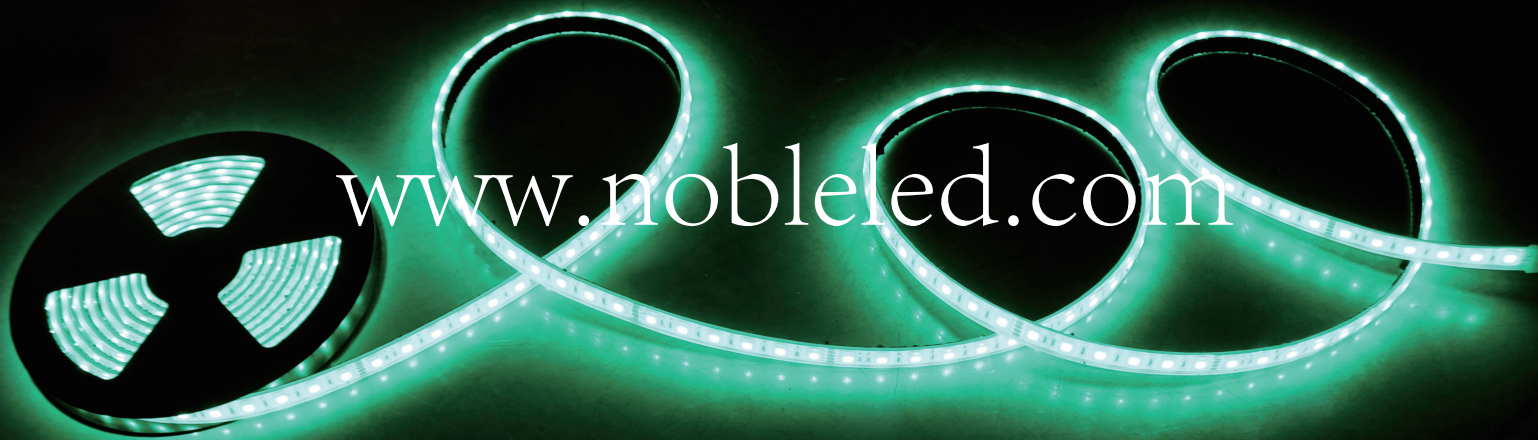
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