



NATIONSTAR
—SINCE 1969—



NATIONSTAR
—SINCE 1969—

LED LIGHTING

CATALOGUE

FOSHAN NATIONSTAR OPTOELECTRONICS CO.,LTD

Add: No.18 South Huabao Road, Chancheng District, Foshan,Guangdong,P.R.China
Tel: 0086-757-82100230 82109310
Fax: 0086-757-82100200
P.C: 528000
Web: www.nationstar.com
E-Mail: ledsales@nationstar.com

Nationstar GmbH

Kurfürstenstraße 10, 40211, Düsseldorf, Germany
Tel: +49 (0) 211 91366663
Fax: +49 (0) 211 91366661
E-Mail: jonny@nationstar.com



LED STRIPS



LED BATTEN



LED PANEL

2017

NATIONSTAR, LIGHTING UP THE WORLD



NATIONSTAR
LIGHTING UP THE WORLD | **2017**

01 BRIEF INTRODUCTION

Foshan NationStar Optoelectronics Co.,Ltd has been specializing in LED industry for over 30 years, and started LED lighting manufacturing since 2004. With a strong R&D ability, reliable product quality and excellent after-sales service, NationStar becomes a leading manufacturer for chips, LEDs and LED lighting products.



The Northern Area of The Headquarter

Land area: 26000 sqm.
Plant for LED components and devices

The Southern Area of The Headquarter

Land area: 34600 sqm.
Production for LED and lighting products
Production capacity of LEDs: 4000KK per month



Foshan NationStar Semiconductor Co.,Ltd.

Land area: 32000 sqm.
The production base of GaN LED chips for lighting

02 INDUSTRIAL CHAIN



Chip

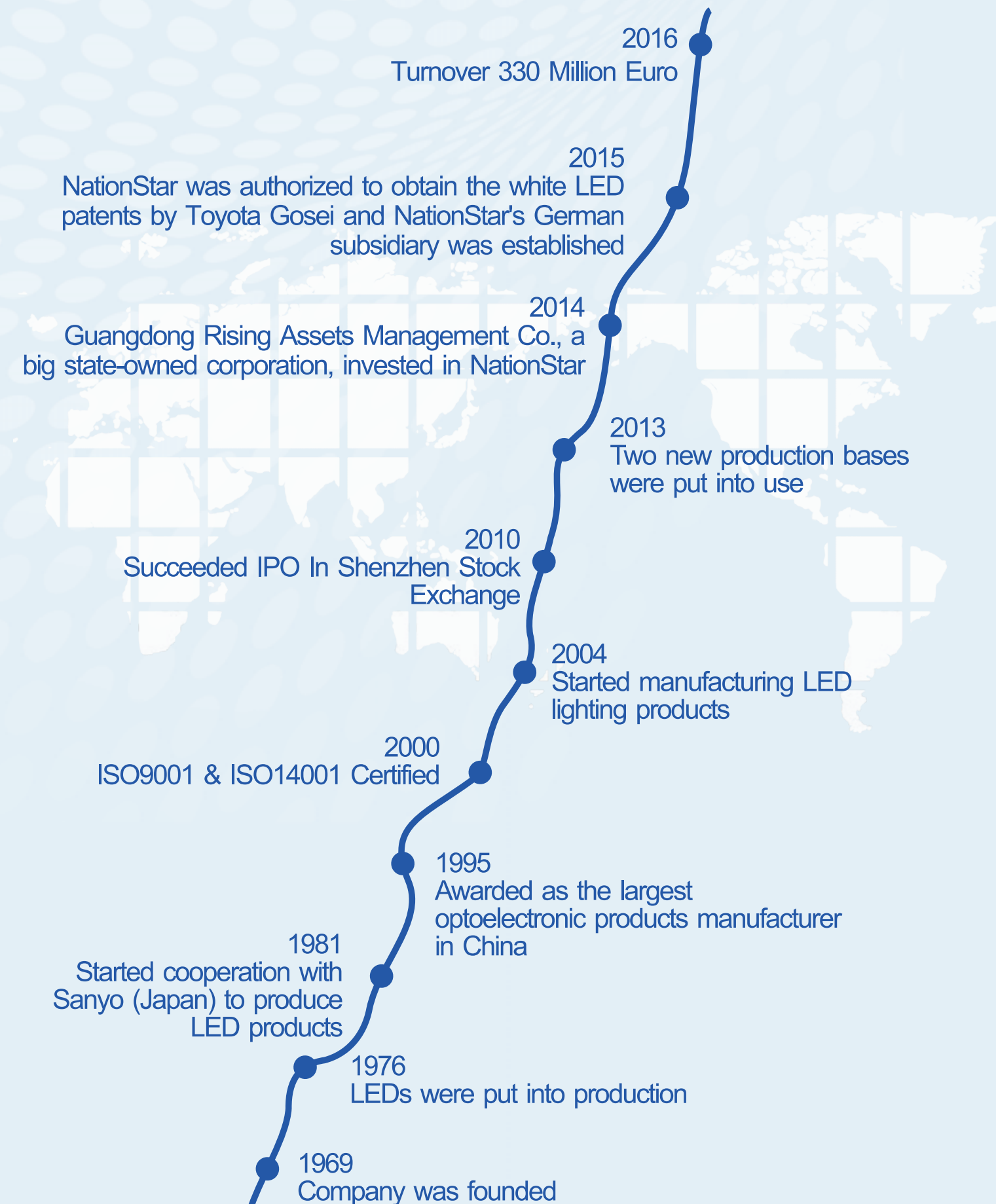


LED



Lighting product

03 HISTORY



04 PRODUCTION FACILITIES



Production Line for Chips



SMD LED Package



SMT Production Line



Automatic Production Line for Tubes



Aging Line for Tubes



2m Integrating Sphere

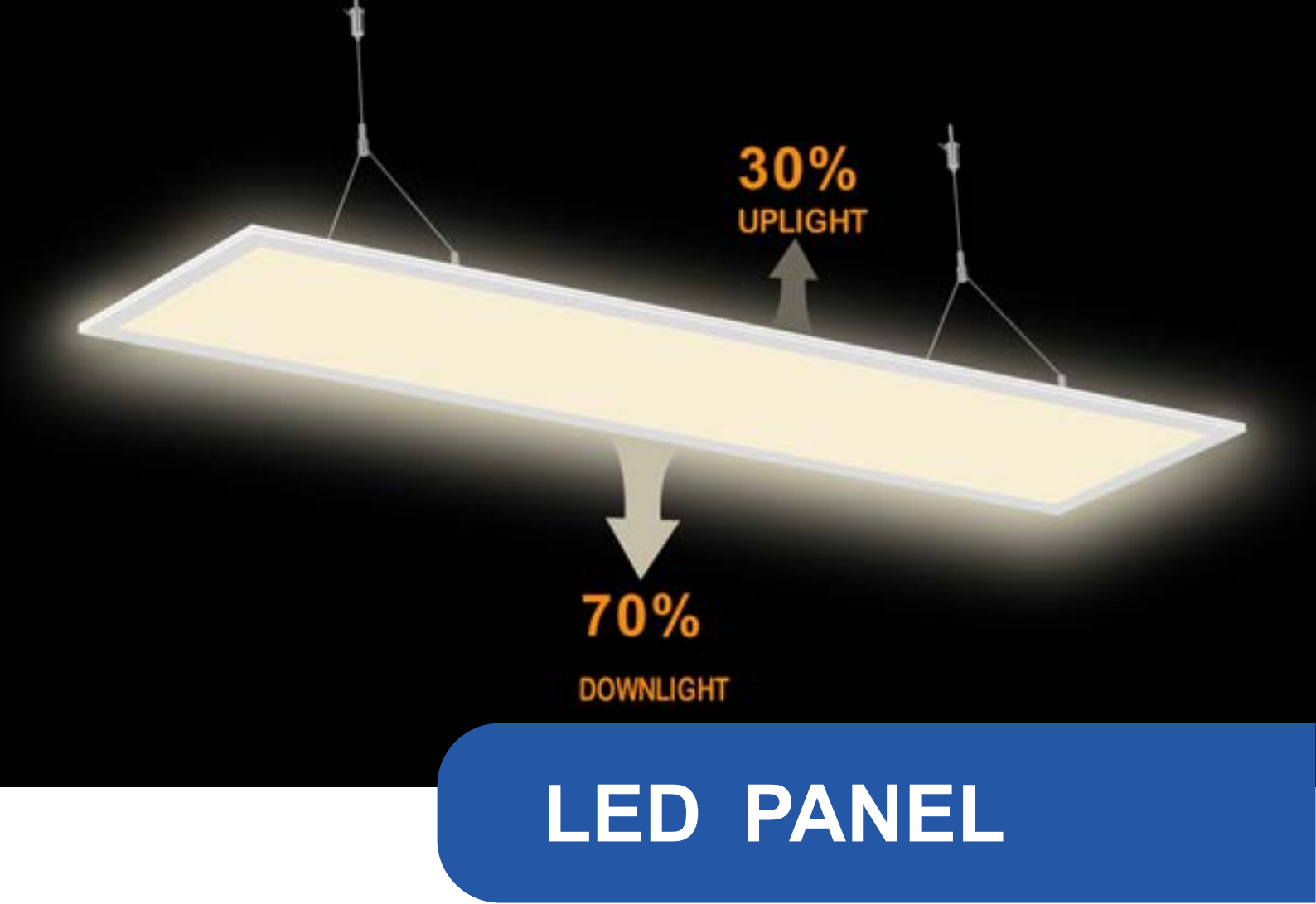
05 MANAGEMENT SYSTEMS

OHSAS18001
occupation
health and safety
management systemISO9001
quality management
systemISO14001
environmental
management systemISO-TS16949
quality management
system

CONTENT

01	LED PANEL	
	VARI-PANEL Super	07
	VARI-PANEL Premium	08
	VARI-PANEL Standard	09
	ECO PANEL	10
	BASIC PANEL	11
	CCT ADJUSTABLE PANEL	12
	FRAMELESS PANEL	12
	UP/DOWN PANEL LIGHT	13
	CLEAR PANEL LIGHT	13
02	LED BATTEN	
	LED BATTEN T8	17
	LED BATTEN T5	19
03	LED TUBE	
	LED TUBE T8 Glass	21
	LED TUBE T8 1/2 AL	22

04	LED DOWNLIGHT	
	NS-TD2-P3/TD2.5-P4/TD3-P6	25
	NS-TD8-H20/TD8-H30	26
05	LED STRIP	
	NEW DESIGN	29
	NON-WATERPROOF LED STRIP	30
	IP65 WATERPROOF STRIP	36
	IP67 WATERPROOF STRIP	40
06	LED MODULE	
	NS-G31/G32/G33/G34/G36	45
	NS-G37/G38	46
	LED PCBA	47



- Ultra bright SMD LED 2835 as light source.
- Aluminum frame with anodized treatment, elegant and durable, white frame
- External constant current driver.
- UGR22, UGR19
- Size 60*60, 62*62, 30*120cm
- Application: office, supermarket

AC230V

120°

0-10V
Optional

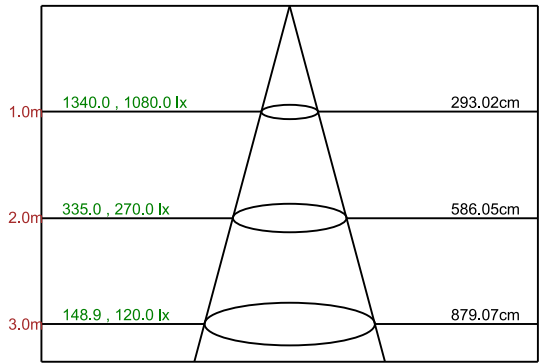
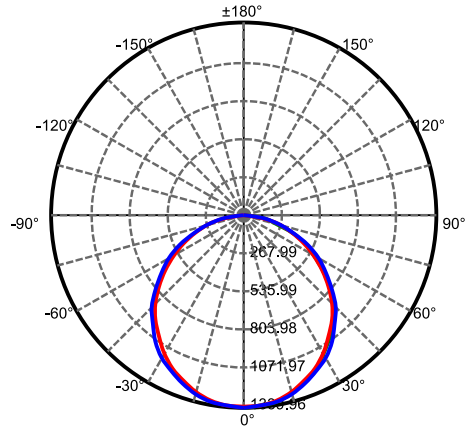
DALI
Optional

IP20

120lm/W
Available

No Flicker
Optional

Motion Sensor
Available



Max , Ave Beam angle of C30plane111.37

(item code: PLS-6060E30H)



VARI-PANEL
Super



FEATURES

- Vari-Panel: Super 170LM/W
- Panel: 26W, 4500LM
- Size: 60*60, 62*62cm white frame
- Option: UGR<19 available, Emergency kit.
- Driver: No flicker, DALI, 0-10V

TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-6060XX	30	595*595*8.5	800	26	168	4350	3000/4000/6000	>80
	40	595*595*8.5	1000	35	160	5600	3000/4000/6000	>80
NS-PLS-6262XX	30	620*620*8.5	800	26	168	4350	3000/4000/6000	>80
	40	620*620*8.5	1000	35	160	5600	3000/4000/6000	>80

** Efficiency: It's for panel only, not including driver consumption.
** Lumen: Type value with +/-5% tolerance, UGR 22.
** NS-PLS-6060XX/NS-PLS-6262XX are reference number, please check with NationStar sales for order number.



VARI-PANEL Premium



FEATURES

- Vari-Panel: premium 150LM/W
 - Panel: 26W, 3900LM
 - Size: 60*60, 62*62cm white frame
- Option: UGR<19 available,
Emergency kit.
 - Driver: No flicker, DALI, 0-10V

TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-6060XX	30	595*595*8.5	750	26	150	3900	3000/4000/6000	>80
	40	595*595*8.5	1000	35	150	5200	3000/4000/6000	>80
	48	595*595*8.5	1200	42	143	6000	3000/4000/6000	>80
	48	595*595*8.5	1200	42	143	6000	3000/4000/6000	>80
NS-PLS-6262XX	30	620*620*8.5	750	26	150	3900	3000/4000/6000	>80
	40	620*620*8.5	1000	35	150	5200	3000/4000/6000	>80
	48	620*620*8.5	1200	42	143	6000	3000/4000/6000	>80

** Efficiency: It's for panel only, not including driver consumption.

** Lumen: Type value with +/-5% tolerance, UGR22.

** NS-PLS-6060XX/NS-PLS-6262XX are reference number, please check with NationStar sales for order number.



VARI-PANEL Standard



FEATURES

- Vari-Panel: Standard 110LM/W
 - Panel: 35W, 4000LM
 - Size: 60*60, 62*62, 30*120, 30*150,
60*120cm white frame
- Option: UGR<19 available,
Emergency kit.
 - Driver: No flicker, DALI, 0-10V

TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-6060XX	40	595*595*8.5	1000	35	115	4000	3000/4000/6000	>80
	48	595*595*8.5	1200	42	110	4560	3000/4000/6000	>80
NS-PLS-6262XX	40	620*620*8.5	1000	35	115	4000	3000/4000/6000	>80
	48	620*620*8.5	1200	42	110	4560	3000/4000/6000	>80
NS-PLS-30120B	40	295*1195*8.5	1000	35	115	4000	3000/4000/6000	>80
NS-PLS-30150B	48	295*1495*8.5	1200	43	115	4800	3000/4000/6000	>80
NS-PLS-60120	72	595*1195*8.5	1850	63	115	7200	3000/4000/6000	>80

** Efficiency: It's for panel only, not including driver consumption.

** Lumen: Type value with +/-5% tolerance, UGR 22.

** NS-PLS-6060XX/NS-PLS-6262XX are reference number, please check with NationStar sales for order number.



ECO-PANEL



FEATURES

- Vari-Panel: Eco 100LM/W
 - Panel: 40W, 3500LM
 - Size: 60*60, 62*62, 30*30, 30*60cm white frame
- Option: UGR<19 available, Emergency kit.
 - Driver: No flicker, DALI, 0-10V

TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-6060XX	40	595*595*7.5	1000	35	95/105/115	3200/3600/4000	3000/4000/6000	>80
NS-PLS-6262XX	40	620*620*7.5	1000	35	95/105/115	3200/3600/4000	3000/4000/6000	>80
NS-PLS-30120XX	40	295*1195*7.5	1000	35	105	3600	3000/4000/6000	>80

** Efficiency: It's for panel only, not including driver consumption.

** Lumen: Type value with +/-5% tolerance, UGR 22

** NS-PLS-6060XX/NS-PLS-6262XX are reference number, please check with NationStar sales for order number



BASIC PANEL

FEATURES

- Vari-Panel: Eco 80-100LM/W
 - Panel: 36W, 2500LM
 - Size: 60*60, 62*62, 30*30, 30*60cm white frame
- Option: UGR<19 available, Emergency kit.
 - Driver: No flicker, DALI, 0-10V

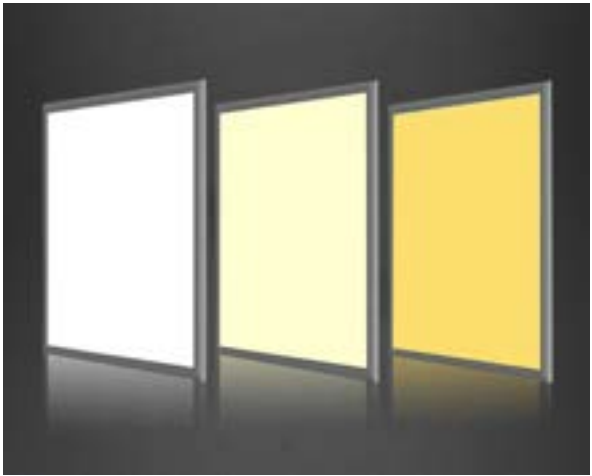
TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-6060XX	36	595*595*7.2	450/190	32	80	2500	4000/6000	>80
NS-PLS-30120XX	36	295*1195*7.2	450/190	32	80	2500	4000/6000	>80

** Efficiency: It's for panel only, not including driver consumption.

** Lumen: Type value with +/-5% tolerance, UGR 22

** NS-PLS-6060XX/NS-PLS-6262XX are reference number, please check with NationStar sales for order number



CCT ADJUSTABLE PANEL

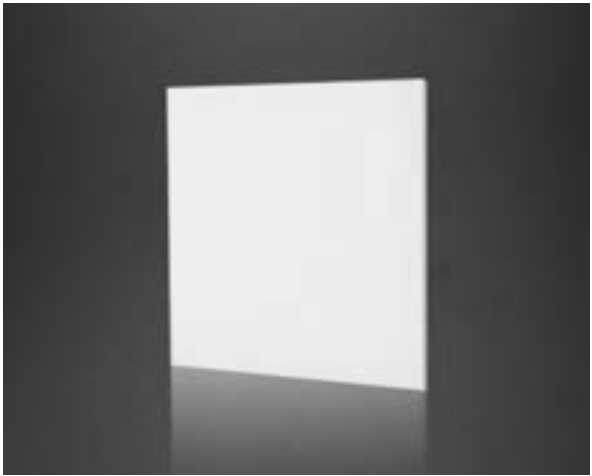


- 2.4G RF wireless control
- Step/Continue dimmable and color-temp adjusting
- Timing on/off
- CE,ROHS approved



TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-6060CCTA	42	595*595*8.5	1050	35	105	3800	3000-6000	>80



FRAMELESS PANEL



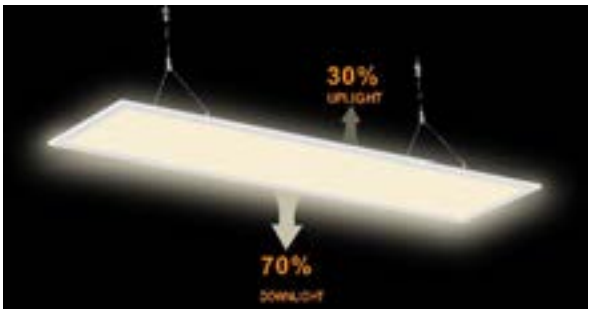
TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-FRA-40	40	595*595*23.5	1000	35	102	3600	3000/4000/6000	>80



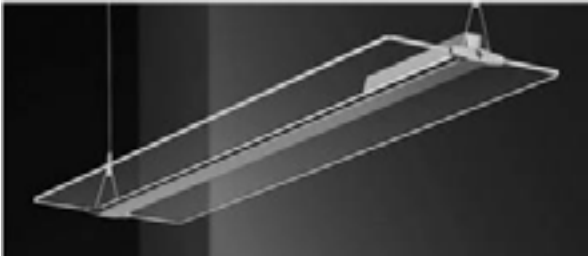
UP/DOWN PANEL LIGHT

- 30% uplight, 70% downlight



TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-30120	40	295*1195*9.5	1000	35	102	3600	3000/4000/6000	>80



CLEAR PANEL LIGHT

- CCT adjustable,
- with transparent LGP



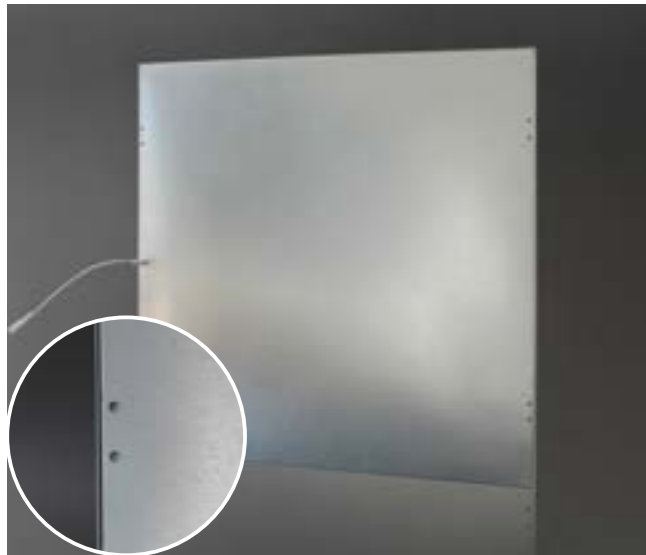
TECHNICAL PARAMETERS

Ref. No	Panel rated Wattage(W) included driver	Dimension (mm)	Panel Input Current (mA)	Panel input Wattage(W) without driver	**Efficiency (lm/W)	**Lumen (lm)	Standard CCT (K)	CRI (Ra)
NS-PLS-30120	42	295*1195*16	1050	35	102	3800	3000-6000	>80

SUSPENDING KIT:



PANEL-NO SCREW DESIGN

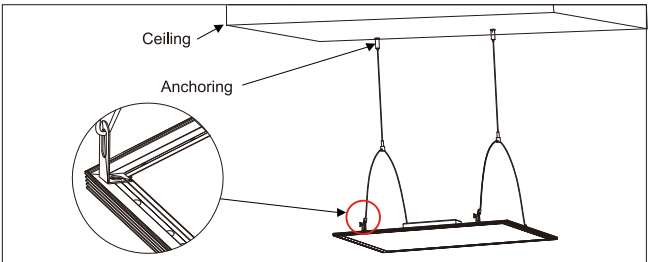


DRIVER PACKAGE:

Type	Description
AC230V	CE
AC100-240V	CE
AC230V	CE, No flicker
AC100-240V	CE, No flicker
AC230V	ENEC
AC100-240V	ENEC
AC230V	ENEC, No flicker
AC100-240V	ENEC, No flicker
DALI	
0-10V	
0-10V	No flicker
Emergency kit	1h / 2h / 3h

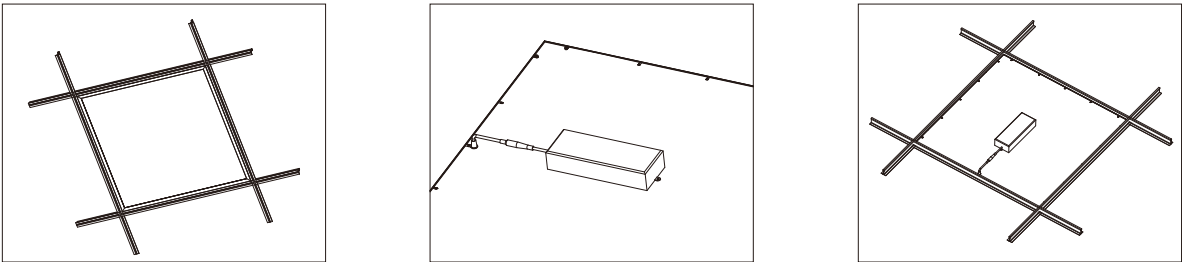
PLS Lamp Installation Instruction (TUV)

01 Suspending



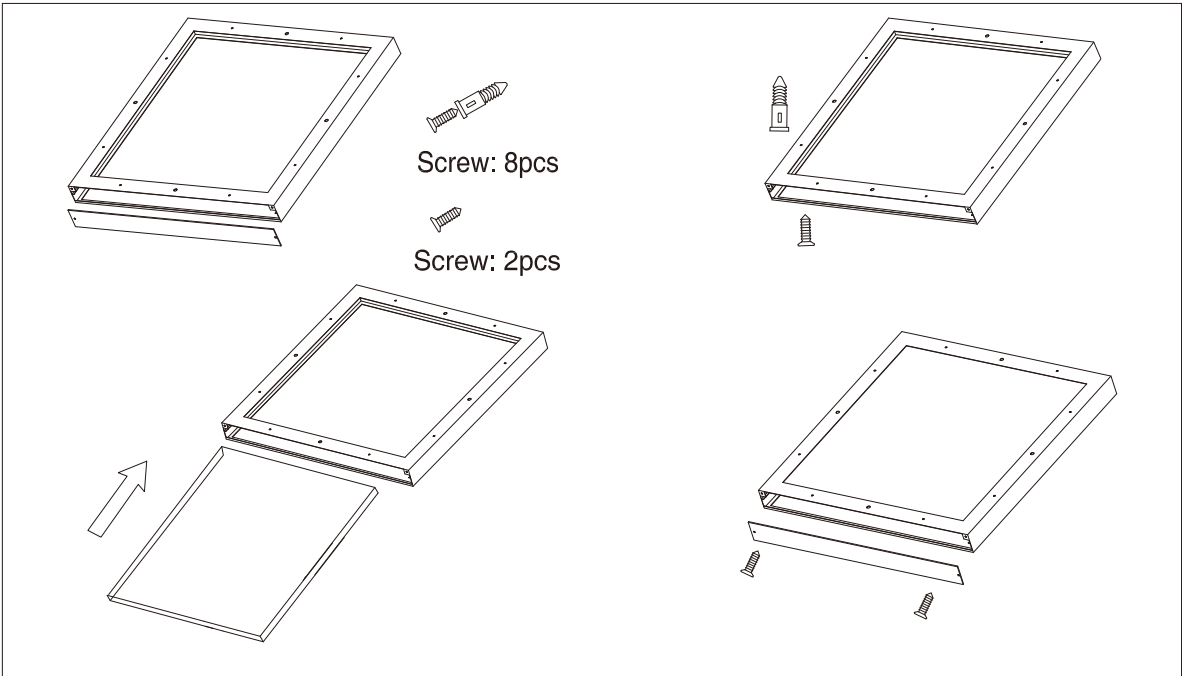
Make the hanging wires through the holes on fittings. Fix the anchoring onto the ceiling.

02 N-built



Clear the keel and connect AC end with user AC end. install the lamp into the keel as illustrated.

03 Mounting



Remove the roll top from mounting frame, fix the frame onto the ceiling with anchorings. Insert the lamp into the frame and then put the roll top back, fixed with screws.

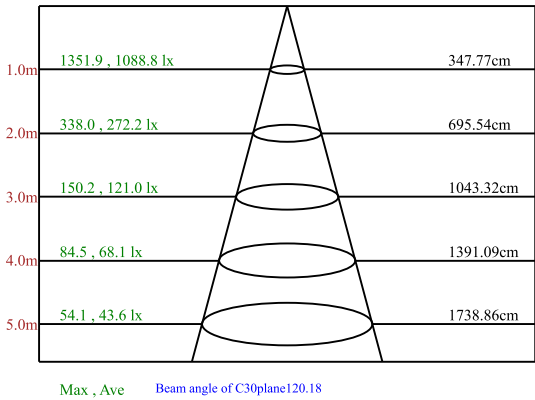
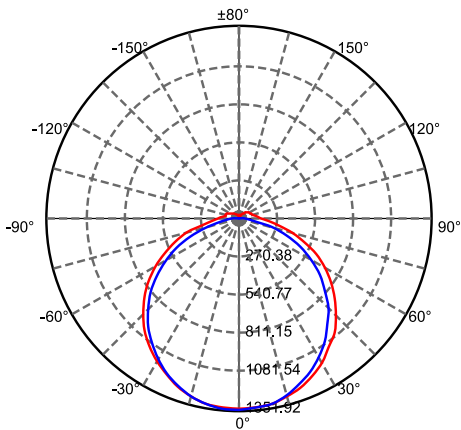


LED BATTEN

- Design-oriented, diffuser plastic(polycarbonate) opal
- IP54/IP65 Fixture
- Impact protection: IK06/IK08
- 100-130lm/W, CRI: 80
- Replacement for fluorescent lamp
- LED lifetime 50,000h(L80,B10)
- Microwave-sensor/DALI dimming/emergency
- Application: garage, basement, corridor

AC230V

IP54/
IP65



(item code: HS-TPL-4A40)



LED BATTEN T8

AC230V

120°

IP54

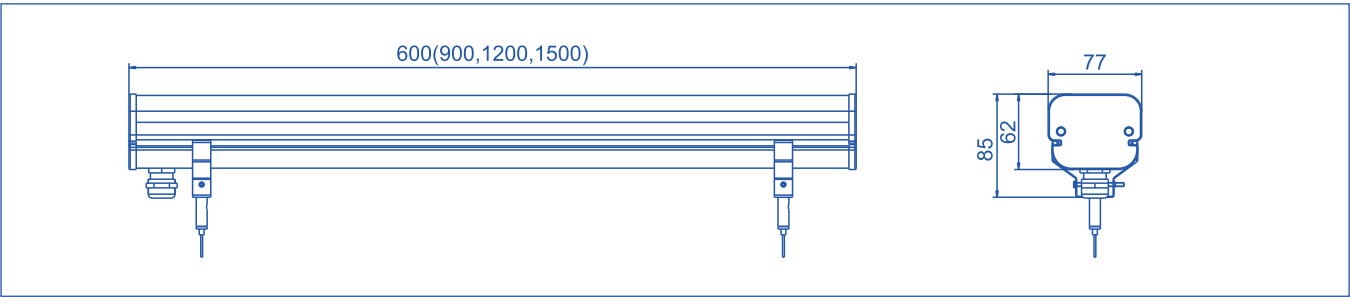


FEATURES

- Design-oriented, diffuser plastic opal
- Impact protection: IK06/IK08
- Replacement for fluorescent lamp
- Microwave-sensor/DALI dimming/emergency
- IP54 Fixture
- 100-130lm/W, CRI: 80
- LED lifetime 50,000h(L80,B10)
- Application: Supermarket, Warehouse

DIMENSIONS

Unit:mm



TECHNICAL PARAMETERS

Ref. No	Input voltage(V)	Panel rated Wattage(W) included driver	Dimension (mm)	**Lumen (lm)	Standard CCT (K)
NS-TPL-2A30	AC 230	30	600*77*62	3300	3000/4000/6000
NS-TPL-4A40	AC 230	40	1200*77*62	4400	3000/4000/6000
NS-TPL-5A60	AC 230	60	1500*77*62	6500	3000/4000/6000



LED BATTEN T8

AC230V

120°

IP65

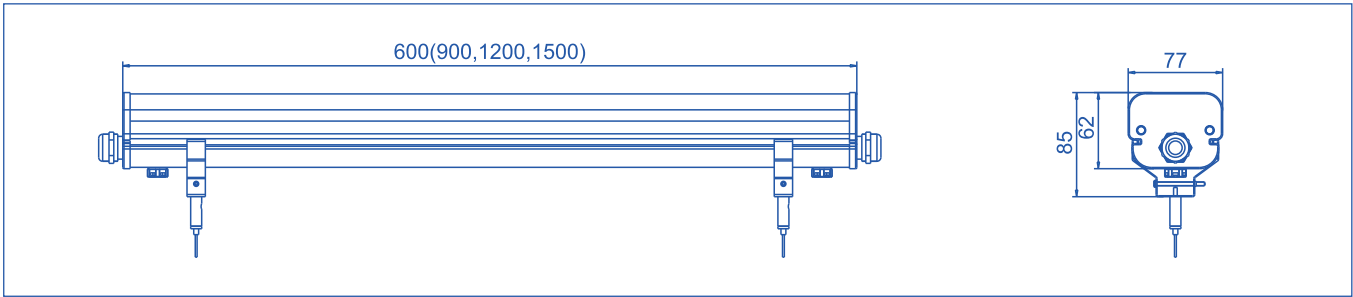


FEATURES

- Design-oriented, diffuser plastic opal
 - Impact protection: IK06/IK08
 - Replacement for fluorescent lamp
 - Microwave-sensor/DALI dimming/emergency
- IP65 Fixture
 - 100-130lm/W, CRI: 80
 - LED lifetime 50,000h(L80,B10)
 - Application: garage, basement, corridor

DIMENSIONS

Unit:mm



TECHNICAL PARAMETERS

Ref. No	Input voltage(V)	Panel rated Wattage(W) included driver	Dimension (mm)	**Lumen (lm)	Standard CCT (K)
NS-TPL-2B30	AC 230	30	600*77*62	3300	3000/4000/6000
NS-TPL-4B40	AC 230	40	1200*77*62	4400	3000/4000/6000
NS-TPL-5B60	AC 230	60	1600*77*62	6500	3000/4000/6000



LED BATTEN T5

AC230V

150°

IP20

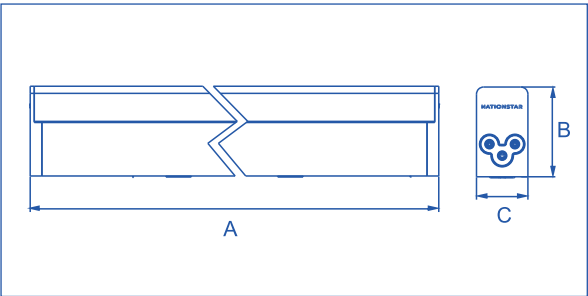


FEATURES

- Ultra bright SMD LED as light source.
 - Can be connected with each other with connectors.
- All-plastic holder.

DIMENSIONS

Unit:mm



Length	A	B	C
0.3m	273	34.5	21.5
0.6m	573	34.5	21.5
0.9m	873	34.5	21.5
1.2m	1173	34.5	21.5

TECHNICAL PARAMETERS

Order No.	Input voltage(V)	Power(W)	Lumen(lm)	CCT(K)	CRI
NS-T5-1J4	AC 230	4	400	3000/4000/5000/6500	≥80
NS-T5-2J8	AC 230	8	800	3000/4000/5000/6500	≥80
NS-T5-3J12	AC 230	12	1200	3000/4000/5000/6500	≥80
NS-T5-4J16	AC 230	16	1600	3000/4000/5000/6500	≥80

** Lamps must be approved for use in "open " luminaires ("open" also luminaires include luminaires with plastic enclosure or with plastic reflector).



LED TUBE

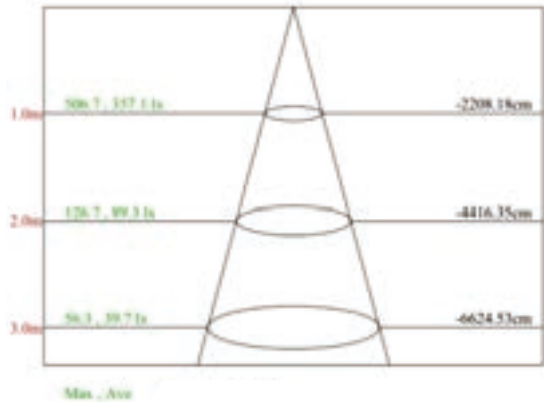
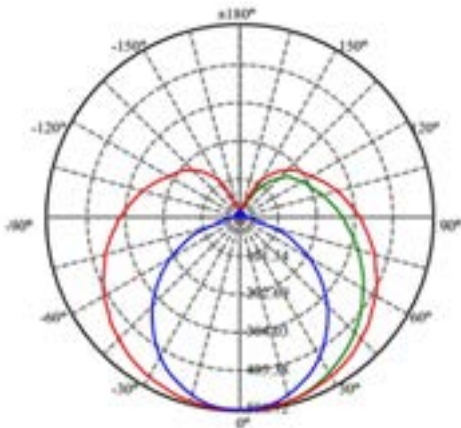
- Ultra bright SMD LED;
- Opal glass tube lamp and 1/2 aluminum body,
- Built-in high efficiency constant current driver power supply;
- Replaceable of T8 and T10 fluorescent tube
- Application: office, supermarket, garage

G13
Caps

AC230V

120°

IP20



(item code: T8 Glass)



LED TUBE -T8 Glass

Glass tube- Larger angle-270°

G13
Caps

AC230V

270°

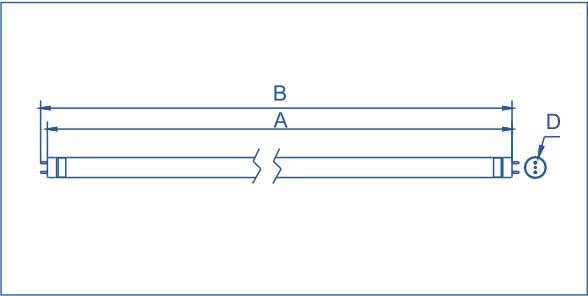
IP20
IP44

FEATURES

- Ultra bright SMD LED
- TUV, CE, ROHS certified

DIMENSIONS

Unit:mm



Length	A	B		D
	Max	Min	Max	
0.6m	589.8	594.5	596.9	Ø26
0.9m	894.6	899.5	901.5	Ø26
1.2m	1199	1204.5	1206.5	Ø26
1.5m	1499	1505	1507	Ø26

TECHNICAL PARAMETERS

Part.No	T8H TUV-STANDARD PLUS (130lm/W +/-5%)		
	Length (m)	Power (W)	Lumen (lm)
NS-T8-2H9	0.6	9	1200
NS-T8-3H15	0.9	15	1800
NS-T8-4H18	1.2	18	2500
NS-T8-5H20	1.5	20	2600
NS-T8-5H28	1.5	28	3650

Part.No	T8H TUV-PREMIUM (150lm/W +/-5%)		
	Length (m)	Power (W)	Lumen (lm)
NS-T8-2H9-H	0.6	9	1350
NS-T8-3H15-H	0.9	15	2250
NS-T8-4H18-H	1.2	18	2700
NS-T8-5H20-H	1.5	20	3000
NS-T8-5H28-H	1.5	28	4200

Lamps must be approved for use in "open " luminaires ("open" also luminaires include luminaires with plastic enclosure or with plastic reflector)



LED Tube -T8 ½ AL

½ AL Tube- High Lux

G13
Caps

AC230V

120°

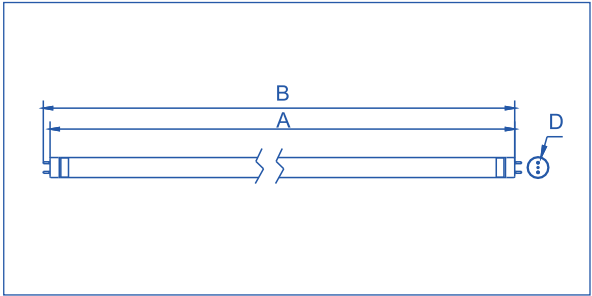
IP20

FEATURES

- Ultra bright SMD LED
 - Rotatable cap
- TUV, CE, ROHS certified

DIMENSIONS

Unit:mm



Length	A	B		D
	Max	Min	Max	
0.6m	589.8	594.5	596.9	Ø26
0.9m	894.6	899.5	901.5	Ø26
1.2m	1199	1204.5	1206.5	Ø26
1.5m	1499	1505	1507	Ø26

TECHNICAL PARAMETERS

Part.No	T8B STANDARD PLUS (130lm/W +/-5%)		
	Length (m)	Power (W)	Lumen (lm)
NS-T8-2B9	0.6	9	1200
NS-T8-3B15	0.9	15	1800
NS-T8-4B18	1.2	18	2500
NS-T8-5B20	1.5	20	2600
NS-T8-5B28	1.5	28	3650

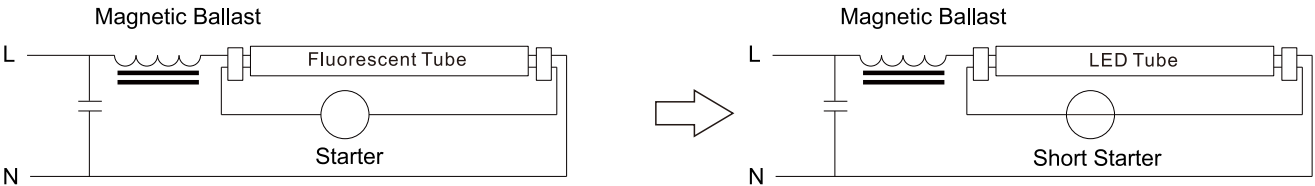
Part.No	T8B PREMIUM (150lm/W +/-5%)		
	Length (m)	Power (W)	Lumen (lm)
NS-T8-2B9-H	0.6	9	1350
NS-T8-3B15-H	0.9	15	2250
NS-T8-4B18-H	1.2	18	2700
NS-T8-5B20-H	1.5	20	3000
NS-T8-5B28-H	1.5	28	4200

Lamps must be approved for use in "open " luminaires ("open" also luminaires include luminaires with plastic enclosure or with plastic reflector)

T8 Tubes Installation Instruction

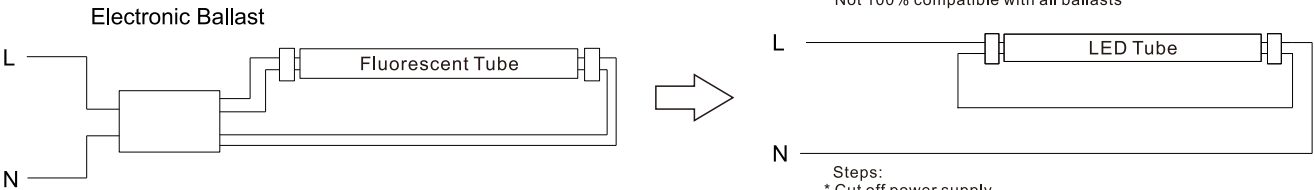
01 Single-end Tube Installation for TUV, SAA,UL(110V/277V),VDE tubes

1. Magnetic Ballast System



- Steps:
- * Cut off power supply
 - * Remove fluorescent tube and starter
 - * Install short starter and LED tube
 - * Not 100% compatible with all ballasts

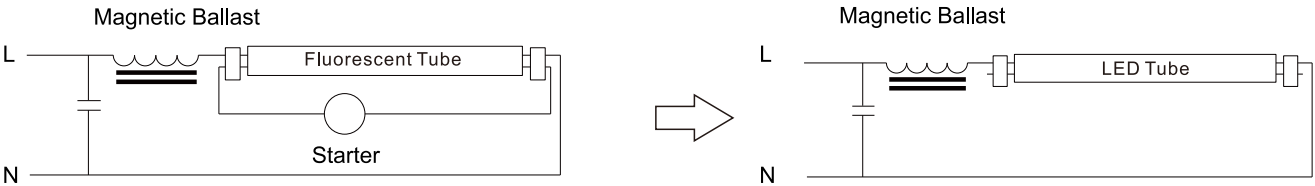
2. Electronic Ballast System



- Steps:
- * Cut off power supply
 - * Remove electronic ballast and do wiring as per above diagram
 - * Replace fluorescent tube with LED tube

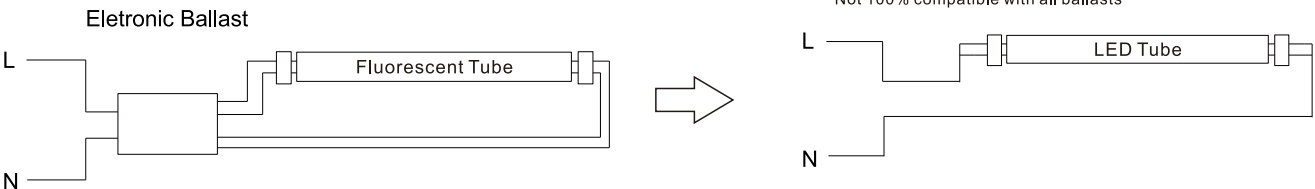
02 Two-end Tube Installation for CE tubes

1. Magnetic Ballast System



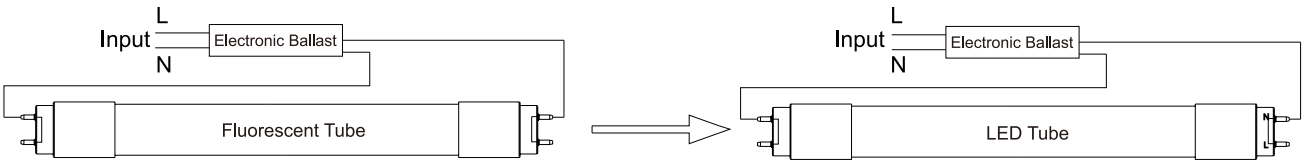
- Steps:
- * Cut off power supply
 - * Remove fluorescent tube and starter
 - * Install LED tube
 - * Not 100% compatible with all ballasts

2. Electronic Ballast System



- Steps:
- * Cut off power supply
 - * Remove electronic ballast and do wiring as per above diagram
 - * Replace fluorescent tube with LED tube

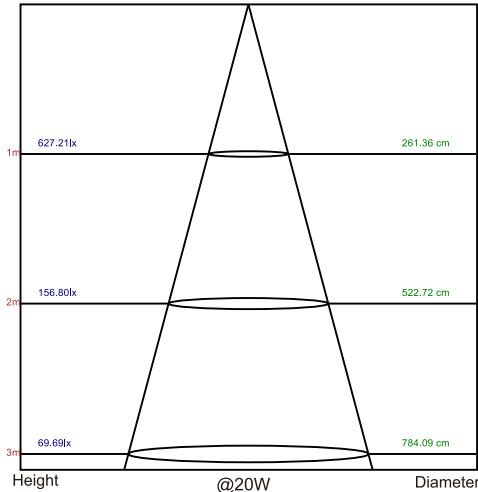
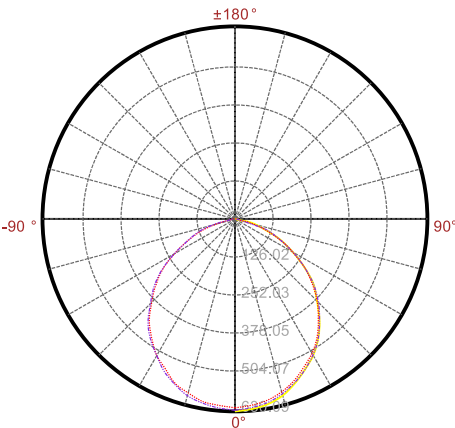
03 Two-end Tube Installation for Instant fit tubes





LED DOWNLIGHT

- Low decay, high efficiency and high brightness SMD
- Delicate and unique embedded design
- Low power consumption, long lifespan, reliable and safe
- Size inch 2.5/3/4/6/8
- Application: store/office



(item code: TD8-H30)



LED DOWNLIGHT

NS-TD2-P3/NS-TD2.5-P4
NS-TD3-P6

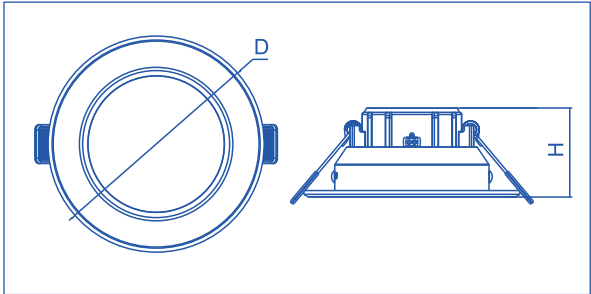


FEATURES

- Low light decay, high efficiency and high brightness SMD LED.
- Built-in driver.
- CCT adjustable
- Delicate and unique embedded anti-glare design.

DIMENSIONS

Unit:mm



Type	D	H
NS-TD2-P3C	90	39
NS-TD2.5-P4C	100	40
NS-TD3-P6C	115	40

TECHNICAL PARAMETERS

Part. No	Input votltage (V)	Power (W)	Dimension (mm)	Cut-out (mm)	Luminous flux (lm)	Standard CCT (K)
NS-TD2-P3C	AC230	3	Ø90×H39	Ø75	240	3000/4000/6500
NS-TD2.5-P4C	AC230	4	Ø100×H40	Ø85	320	3000/4000/6500
NS-TD3-P6C	AC230	6	Ø115×H40	Ø95	480	3000/4000/6500



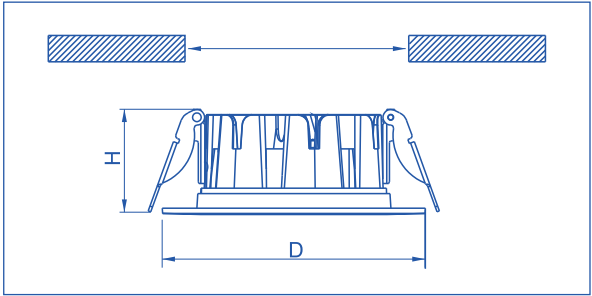
LED
DOWNLIGHT
NS-TD8-H20/NS-TD8-H30



FEATURES

- Low decay, high efficiency and high brightness SMD LED.
- Low power consumption, long lifespan, reliable and safe.
- Delicate and unique embedded design.

DIMENSIONS Unit:mm

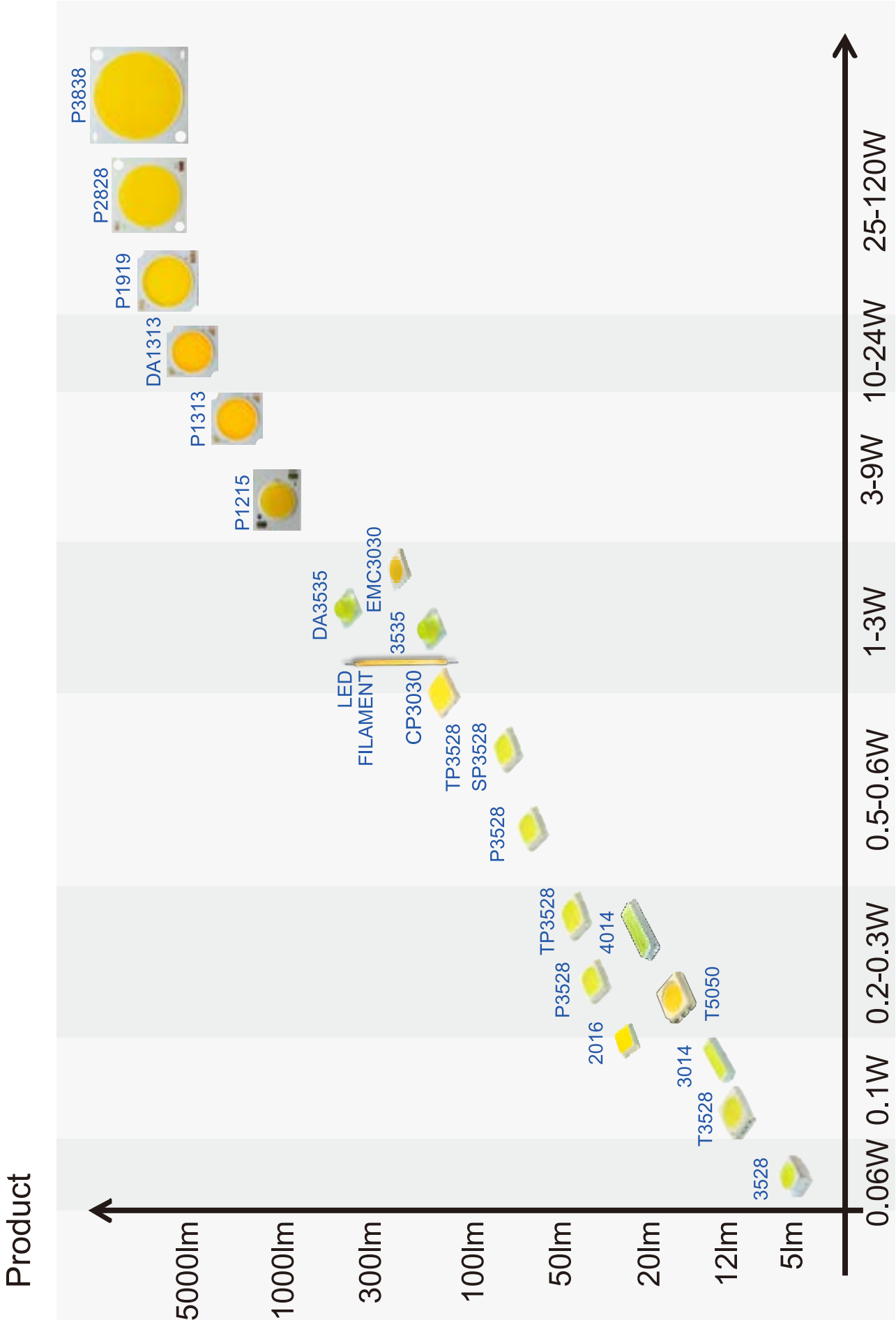


Type	D	H
NS-TD8-H20	243	76
NS-TD8-H30	243	76

TECHNICAL PARAMETERS

Part. No	Input voIttage (V)	Power (W)	Dimension (mm)	Cut-out (mm)	Luminous flux (lm)	Standard CCT (K)
NS-TD5-H12	AC230	12	Ø164×H57	Ø150	1080	3000/4000/6500
NS-TD6-H15	AC230	15	Ø187×H62	Ø175	1350	3000/4000/6500
NS-TD6-H20	AC230	20	Ø187×H62	Ø175	1800	3000/4000/6500
NS-TD8-H20	AC230	20	Ø235×H76	Ø220	1800	3000/4000/6500
NS-TD8-H30	AC230	30	Ø235×H76	Ø220	2700	3000/4000/6500
NS-TD8-H40	AC230	30	Ø235×H76	Ø220	2700	3000/4000/6500

NationStar White LED Road Map



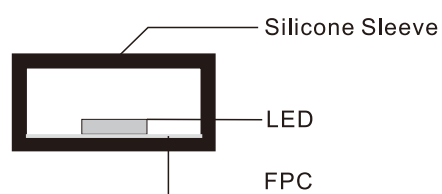
LED STRIP

- High Brightness SMD
- CIR 80/90
- Strips can be cut on the cutting mark and reconnect
- 3M adhesive backing
- Standard PCB color: white

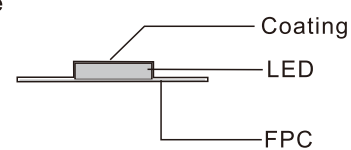
DC24V

IP20/
IP65

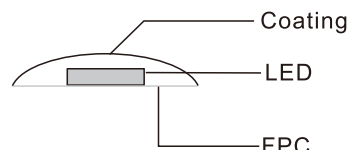
IP67 Strip



IP20 Strip



IP65 Strip



LED STRIP NEW DESIGN STRIP

FEATURES

- High brightness SMD
- Strips can be cut on the cutting mark and reconnect
- Standard PCB color: White
- CRI 80/90/95
- 3M adhesive backing



Bendable/60pcs 2835 LEDs per meter

- Strips can be bended more than 90°
- 3 meters/roll, 3 meters maximum running length
- DC24V, 4W/meter, 360lm/meter
- PCB width 6mm



RGBW/60pcs 5050 LEDs per meter

- with 4 in 1 RGBW LED, multi colors (red, green, blue and white)
- 3 meters/roll, 3 meters maximum running length
- DC24V, 18.6W/meter, luminous flux per meter: RGBW:620lm / R:84lm / G:164lm / B:42 lm /W: 330lm
- PCB width 12mm



CCT adjustable/240pcs 2835 LEDs per meter

- Strips can be used with controller to change the color temperature of the strip, CCT adjustable range: 2700K-7500K
- 240LEDs per meter 240LED/meter, 3meter/roll, 3meters max running length
- DC24V, 2100lm/meter max, 24W/meter max
- PCB width 10mm



High Input Voltage Strips

- Copper conduction only, good electrical conductivity, long lifespan.
- AC220V, 8W/meter, 400lm/meter, silica glue IP65.
- Doublet multiple craft, safe and reliable.
- PVC flame retardant rubber used, thermostable with high light transmittance.
- Application: House, hotel and ceiling lamp in other public place.



160lm/W 2835 LED Strips

- Power: 6W/12W
- Voltage: DC 24V
- Efficiency: 160 lm/W; 960 lm/m or 1920 lm/m
- LED: 2835, 64 LED/m or 128 LED/m
- PCB: 10mm width

LED STRIP

NON-WATERPROOF LED STRIP

FEATURES

- High brightness SMD
 - Strips can be cut every 5cm/10cm and reconnect
 - Variety of optional colors and accessories
 - Standard PCB color: White
- CRI 80/90
 - 3M adhesive backing
 - Suitable for dry locations



60pcs 2835 LEDs 4W per meter	60pcs 2835 LEDs 5W per meter	60pcs 2835 LEDs 12W per meter	120pcs 2835 LEDs 12W per meter	120pcs 2538 LEDs 24W per meter	240pcs 2835 LEDs 20W per meter
• 3 meters Max Running Length • DC24V • 400LM/meter • PCB width 4.8mm, LED • Center-to-center spacing:16.7mm	• 5 meters Max Running Length • DC24V • 500LM/meter • PCB width 8mm, LED • Center-to-center spacing:16.7mm	• 5 meters Max Running Length • DC24V • 1100LM/meter • PCB width 10mm, LED • Center-to-center spacing:16.7mm	• 5 meters Max Running Length • DC24V • 1200LM/meter • PCB width 8mm, LED • Center-to-center spacing : 8.3mm	• 3 meters Max Running Length • DC24V • 2200LM/meter • PCB width 10mm, LED • Center-to-center spacing: 8.3mm	• 5 meters Max Running Length • DC24V • 2100LM/meter • PCB width 12mm, LED • Center-to-center spacing :4.2mm
COOL WHITE NS-A3528(CW3004)	COOL WHITE NS-A3528(CW3005)	COOL WHITE NS-A3528(CW3012)	COOL WHITE NS-A3528(CW6012)	COOL WHITE NS-A3528(CW6024)	COOL WHITE NS-A3528(CW12024)
NEUTRAL WHITE NS-A3528(NW3004)	NEUTRAL WHITE NS-A3528(NW3005)	NEUTRAL WHITE NS-A3528(NW3012)	NEUTRAL WHITE NS-A3528(NW6012)	NEUTRAL WHITE NS-A3528(NW6024)	NEUTRAL WHITE NS-A3528(NW12024)
WARM WHITE NS-A3528(WW3004)	WARM WHITE NS-A3528(WW3005)	WARM WHITE NS-A3528(WW3012)	WARM WHITE NS-A3528(WW6012)	WARM WHITE NS-A3528(WW6024)	WARM WHITE NS-A3528(WW12024)

Easy Installation in Anywhere

Easy Installation in Anywhere

NON-WATERPROOF LED STRIP

NS-SA5050RGB15-24/NS-A3535RGB60-24



FEATURES

- High brightness SMD LED and long lifespan.
- Built-in power supply and RGB controller. Mode and colour variety.
- Easily using, do not need professional installation operation.
- Materials for flexible rolled cooper PCB. It can be bending used in certain angle.
- 3M adhesive backing.



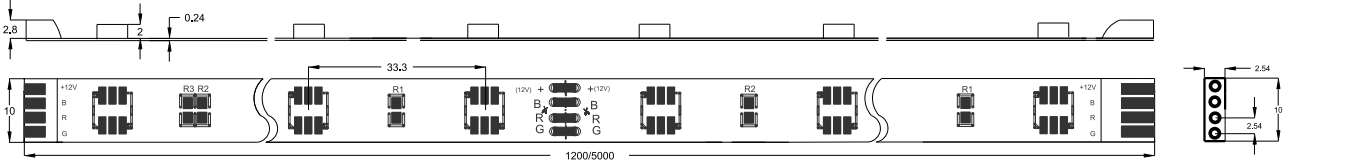
APPLICATION

- Decorate wall, outline signage
- Elegant indoor decoration
- Backlight for advertising signboard
- Signal lighting
- Indoor decoration

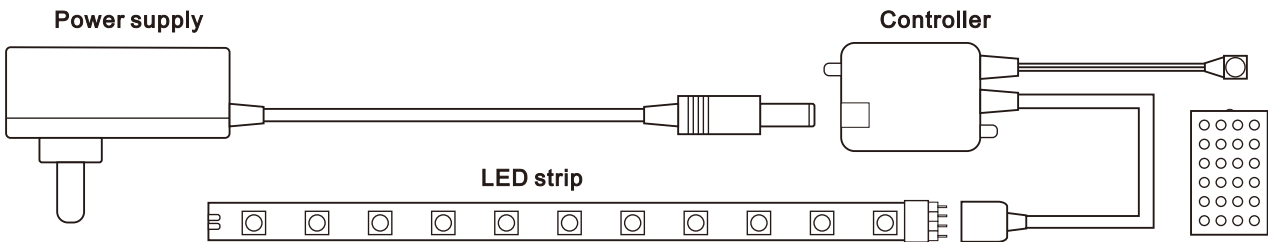
ACCESSORIES



DIMENSIONS:



Unit:mm



30LED/M TECHNICAL PARAMETERS

Part.No	Input voltage(V)	Color	LED/M	Power (W/M)	Viewing Angle	IP
NS-SA5050RGB15-24	DC24	RGB	30	7	120	IP20
NS-A3535RGB60-24	DC24	RGB	60	12	120	IP20

NON-WATERPROOF LED STRIP

NS-SA3528XX30-24



FEATURES

- High brightness SMD LED and long lifespan.
- Built-in power supply. Mode and colour variety.
- Easily using, do not need professional installation operation.
- Materials for flexible rolled cooper PCB. It can be bending used in certain angle.
- 3M adhesive backing.

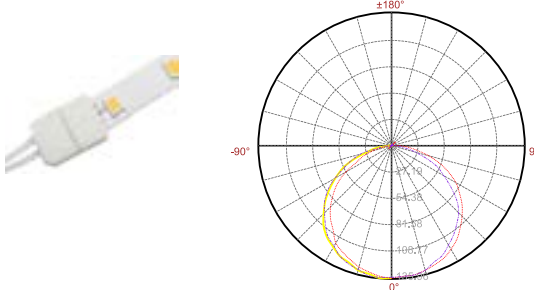


APPLICATION

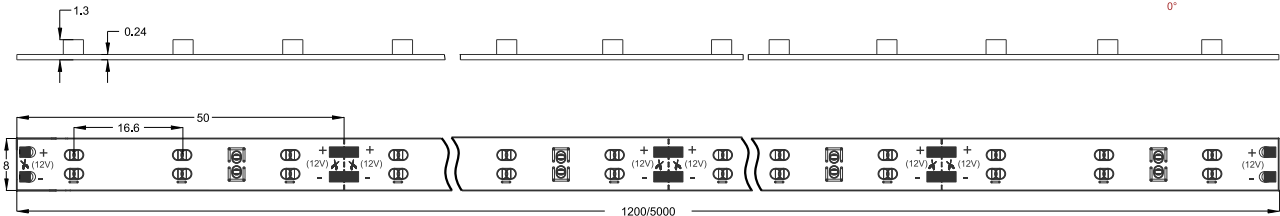
- Decorate wall, outline signage
- Elegant indoor decoration
- Backlight for advertising signboard
- Signal lighting
- Indoor decoration

Accessories

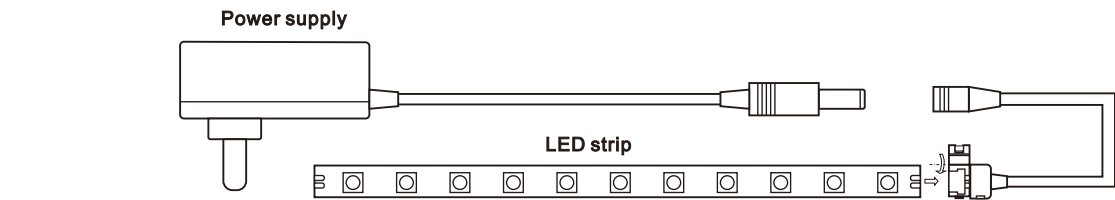
Light Distribution curve



DIMENSIONS:



Unit:mm



TECHNICAL PARAMETERS

Part.No	Input voltage(V)	CCT	Lumen (lm/M)	LED/M	Power(W/M)	Viewing Angle	IP
NS-SA3528WW30-24	DC 24	3000K	300	60	4.5	120	IP20
NS-SA3528NW30-24	DC 24	4200K	320	60	4.5	120	IP20
NS-SA3528CW30-24	DC 24	6500K	360	60	4.5	120	IP20
NS-SA3528R30-24	DC 24		70	60	4.5	120	IP20
NS-SA3528G30-24	DC 24		100	60	4.5	120	IP20
NS-SA3528B30-24	DC 24		40	60	4.5	120	IP20
NS-SA3528Y30-24	DC 24		70	60	4.5	120	IP20

Accessories for Non-waterproof Single Color LED Strip

LED Strip In Line Dimmer

- 0-100% Dimming
- Can only be used in DC12/24V
- For indoor use only



Power Feed

- Connects strips to power supply



Single Color Connectors

Inline Splice

- Connects 2 sections of the strips together



Interconnect Cable

- Connects 2 sections of the strips together



3-Way Connector

- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making “T” & “Y” connections



4-Way Connector

- Connects 4 sections of the strips together
- One input, three outputs



Accessories for Non-waterproof RGB LED Strip

RGB Controller

- Must be used with RGB LED strips
- With remote controller
- Adjusts speed and brightness
- Connects between power supply and strips

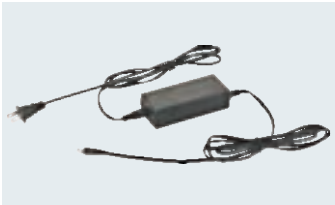


RGB Power Supply Leads

- Connects strips to power supply



Indoor Power Supply
From 30W to 320W
available



RGB Connectors

Inline Splice

- Connects 2 sections of the strips together



Interconnect Cable

- Connects 2 sections of the strips together



RGB 3-Way Connector

- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making “T” & “Y” connections

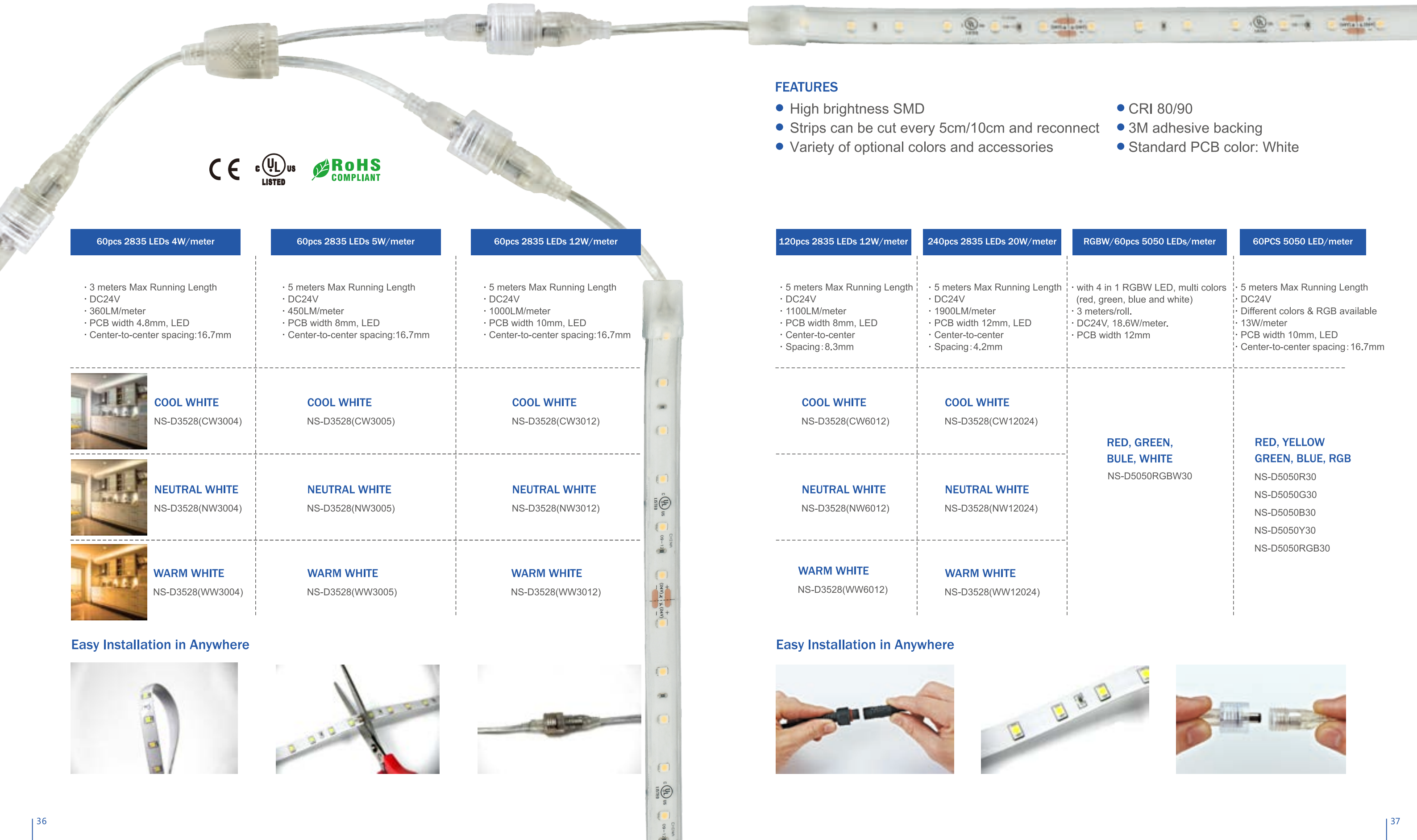


RGB 4-Way Connector

- Connects 4 sections of the strips together
- One input, three outputs



IP65 WATERPROOF LED STRIP



FEATURES

- High brightness SMD
- Strips can be cut every 5cm/10cm and reconnect
- Variety of optional colors and accessories
- CRI 80/90
- 3M adhesive backing
- Standard PCB color: White

60pcs 2835 LEDs 4W/meter	60pcs 2835 LEDs 5W/meter	60pcs 2835 LEDs 12W/meter	120pcs 2835 LEDs 12W/meter	240pcs 2835 LEDs 20W/meter	RGBW/60pcs 5050 LEDs/meter	60PCS 5050 LED/meter
· 3 meters Max Running Length · DC24V · 360LM/meter · PCB width 4.8mm, LED · Center-to-center spacing:16.7mm	· 5 meters Max Running Length · DC24V · 450LM/meter · PCB width 8mm, LED · Center-to-center spacing:16.7mm	· 5 meters Max Running Length · DC24V · 1000LM/meter · PCB width 10mm, LED · Center-to-center spacing:16.7mm	· 5 meters Max Running Length · DC24V · 1100LM/meter · PCB width 8mm, LED · Center-to-center · Spacing : 8.3mm	· 5 meters Max Running Length · DC24V · 1900LM/meter · PCB width 12mm, LED · Center-to-center · Spacing : 4.2mm	· with 4 in 1 RGBW LED, multi colors (red, green, blue and white) · 3 meters/roll. · DC24V, 18.6W/meter. · PCB width 12mm	· 5 meters Max Running Length · DC24V · Different colors & RGB available · 13W/meter · PCB width 10mm, LED · Center-to-center spacing : 16.7mm
 COOL WHITE NS-D3528(CW3004)	COOL WHITE NS-D3528(CW3005)	COOL WHITE NS-D3528(CW3012)	COOL WHITE NS-D3528(CW6012)	COOL WHITE NS-D3528(CW12024)	RED, GREEN, BLUE, WHITE NS-D5050RGBW30	RED, YELLOW GREEN, BLUE, RGB NS-D5050R30 NS-D5050G30 NS-D5050B30 NS-D5050Y30 NS-D5050RGB30
 NEUTRAL WHITE NS-D3528(NW3004)	NEUTRAL WHITE NS-D3528(NW3005)	NEUTRAL WHITE NS-D3528(NW3012)	NEUTRAL WHITE NS-D3528(NW6012)	NEUTRAL WHITE NS-D3528(NW12024)		
 WARM WHITE NS-D3528(WW3004)	WARM WHITE NS-D3528(WW3005)	WARM WHITE NS-D3528(WW3012)	WARM WHITE NS-D3528(WW6012)	WARM WHITE NS-D3528(WW12024)		

Easy Installation in Anywhere



Easy Installation in Anywhere



IP65 WATERPROOF LED STRIP

NS-SD5050RGB15-24/NS-D3535RGB60-24



FEATURES

- High brightness SMD LED and long lifespan.
- Built-in power supply and RGB controller. Mode and colour variety.
- Easily using, do not need professional installation operation.
- Materials for flexible rolled cooper PCB. It can be bending used in certain angle.
- 3M adhesive backing.



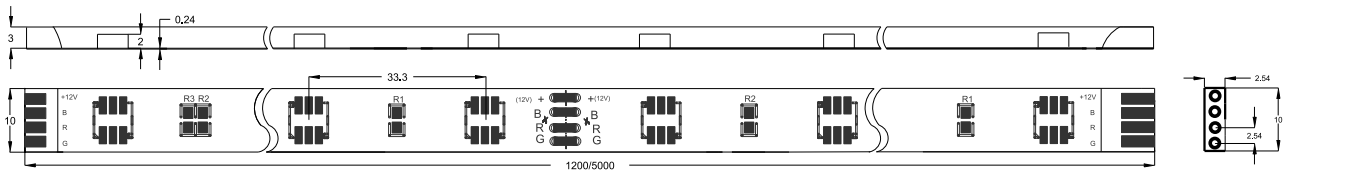
APPLICATION

- Decorate wall, outline signage
- Elegant indoor decoration
- Backlight for advertising signboard
- Signal lighting
- Indoor decoration

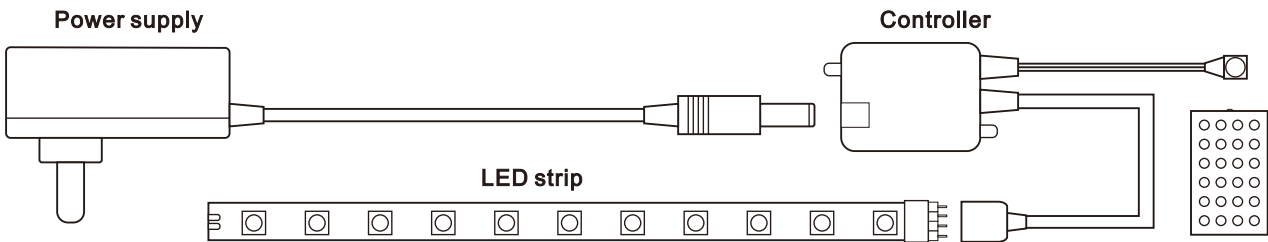
ACCESSORIES



DIMENSIONS:



Unit:mm



30LED/M TECHNICAL PARAMETERS

Part.No	Input voltage(V)	Color	LED/M	Power (W/M)	Viewing Angle	IP
NS-SD5050RGB15-24	DC 24	RGB	30	7	120	IP65
NS-D3535RGB60-24	DC24	RGB	60	12	120	IP65

IP65 WATERPROOF LED STRIP

NS-SD3528XX30-24



FEATURES

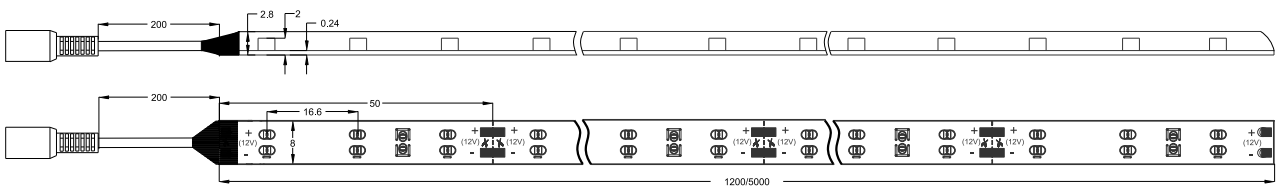
- High brightness SMD LED and long lifespan.
- Built-in power supply. Mode and colour variety.
- Easily using, do not need professional installation operation.
- Materials for flexible rolled cooper PCB. It can be bending used in certain angle.
- 3M adhesive backing.



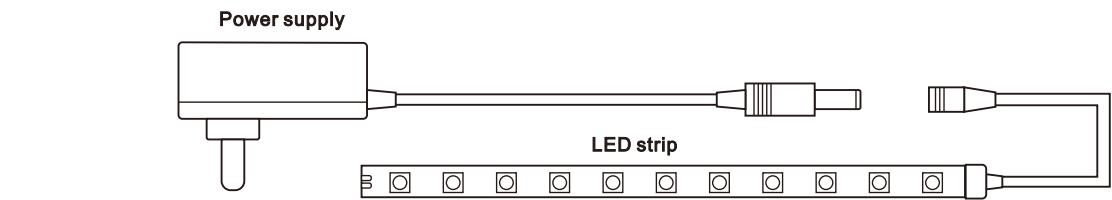
APPLICATION

- Decorate wall, outline signage
- Elegant indoor decoration
- Backlight for advertising signboard
- Signal lighting
- Indoor decoration

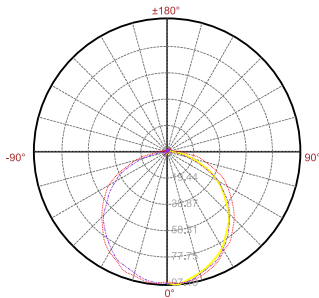
DIMENSIONS:



Unit:mm



Light Distribution curve



TECHNICAL PARAMETERS

Part.No	Input voltage(V)	CCT	Lumen (lm/M)	LED/M	Power(W/M)	Viewing Angle	IP
NS-SD3528WW30-24	DC24V	3000K	260	60	4.5	120	IP65
NS-SD3528NW30-24	DC24V	4200K	300	60	4.5	120	IP65
NS-SD3528CW30-24	DC24V	6500K	300	60	4.5	120	IP65
NS-SD3528R30-24	DC24V		50	60	4.5	120	IP65
NS-SD3528G30-24	DC24V		80	60	4.5	120	IP65
NS-SD3528B30-24	DC24V		35	60	4.5	120	IP65
NS-SD3528Y30-24	DC24V		60	60	4.5	120	IP65

IP67 WATERPROOF LED STRIP



- High brightness SMD
- Strips can be cut every 5cm/10cm and reconnect
- Variety of optional colors and accessories
- CRI 80/90
- 3M adhesive backing
- Standard PCB color: White

Easy Installation in Anywhere



Accessories for Waterproof Single Color LED Strip

Power Feed

- Connects strips to power supply

Single Color Connectors

Interconnect Cable

- Connects 2 sections of the strips together

3-Way Connector

- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making “T” & “Y” connections

4-Way Connector

- Connects 4 sections of the strips together
- One input, three outputs

End Cap

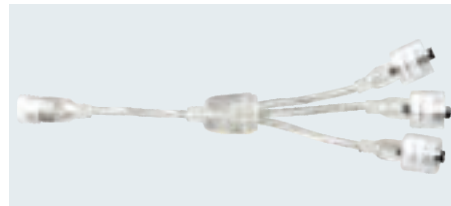
- Terminal for the strips

Silicone

- Silicone glue for the end cap

Clips

- Fix the strips on the surface



Accessories for Waterproof RGB LED Strip

RGB Power Supply Leads

- Connects strips to power supply



RGB Connectors

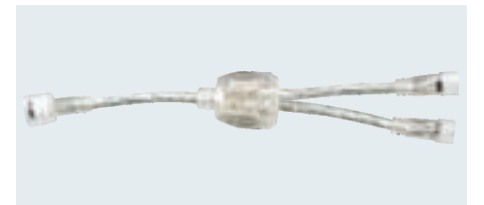
Interconnect Cable

- Connects 2 sections of the strips together



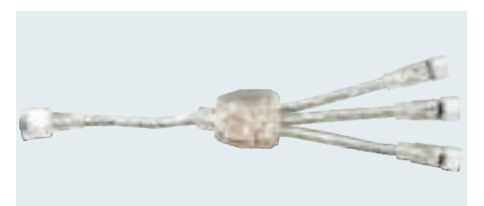
RGB 3-Way Connector

- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making “T” & “Y” connections



RGB 4-Way Connector

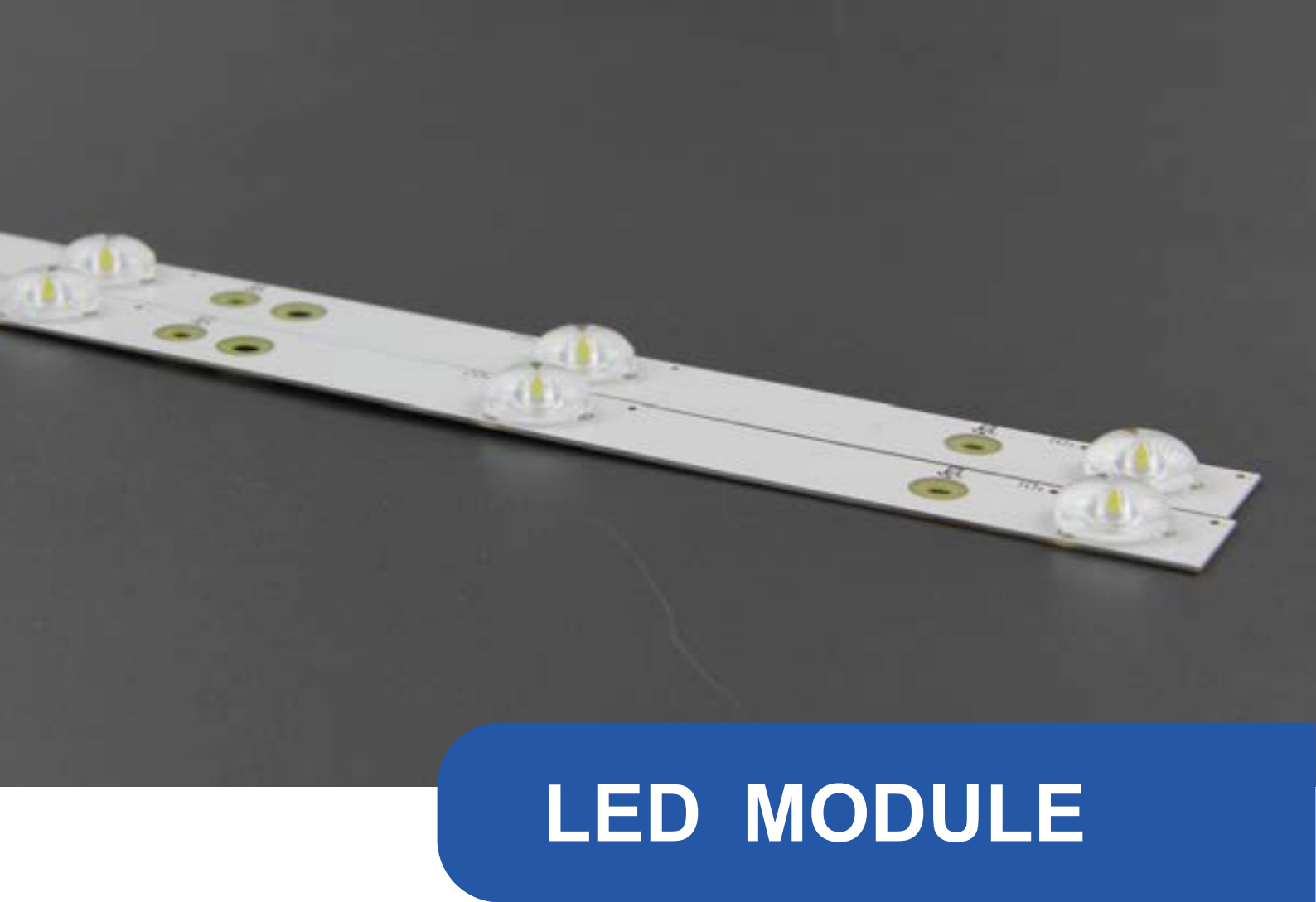
- Connects 4 sections of the strips together
- One input, three outputs



Power Supply

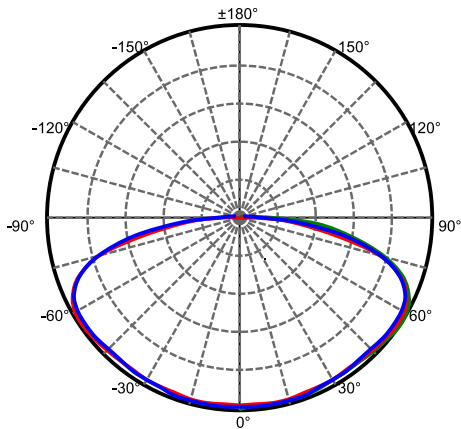
- Outdoor Power Supply





LED MODULE

- Overmolded design by plastic injection technology
- Special electrocircuit design
- Easy mounted by 3M tape or hole on the module
- Unique design for heat sink with AL PCB
- We offer OEM & ODM service with LED light bar or customized PCB
- Typical Applications: Office lighting, Retail, corridor and shelf lighting



(item code: GS-32)

LED MODULE

CE cULus RoHS COMPLIANT REACH

NS-G31/NS-G32/NS-G33/NS-G34/NS-G36

	· Overmolded design by plastic injection technology · Special electrocircuit design, max 100pcs/chain · Easy mounted by 3M tape or hole on the module · Unique design for heat sink with AL PCB · Operating temperature:-40°C~+70°C · 1pc SMD LED/module · Can cut each module · Centre-to-centre distance: 90mm	
	· Overmolded design by plastic injection technology · Special electrocircuit design, max 50pcs/chain · Easy mounted by 3M tape or hole on the module · Unique design for heat sink with AL PCB · Operating temperature:-40°C~+70°C · 2pcs SMD LED/module · Can cut each module · Centre-to-centre distance: 150mm	
	· Overmolded design by plastic injection technology · Special electrocircuit design, max 50pcs/chain · Easy mounted by 3M tape or hole on the module · Unique design for heat sink with AL PCB · Operating temperature:-40°C~+70°C · 3pcs SMD LED/module · Can cut each module · Centre-to-centre distance: 200mm	
	· Overmolded design by plastic injection technology · Special electrocircuit design, max 35pcs/chain · Easy mounted by 3M tape or hole on the module · Unique design for heat sink with AL PCB · Operating temperature:-40°C~+70°C · 4pcs SMD LED/module · Centre-to-centre distance: 200mm	
	· Overmolded design by plastic injection technology · Special electrocircuit design, max 20pcs/chain · Easy mounted by 3M tape or hole on the module · Unique design for heat sink with AL PCB · Operating temperature:-40°C~+70°C · 6pcs SMD LED/module · Centre-to-centre distance: 300mm	

TECHNICAL PARAMETERS

Part.No	CCT(K)	Power(W)	Lumen(lm)	Module/Meter(pcs)	Module/chain(pcs)
NS-G31-XW	3000/4000/6500	0.35	38	11	50
NS-G32-XW	3000/4000/6500	0.72	70	7	50
NS-G33-XW	3000/4000/6500	1.2	110	5	50
NS-G34-XW	3000/4000/6500	1.6	150	5	30
NS-G36-XW	3000/4000/6500	2.5	240	3	20

LED MODULE

NS-G37/NS-G38

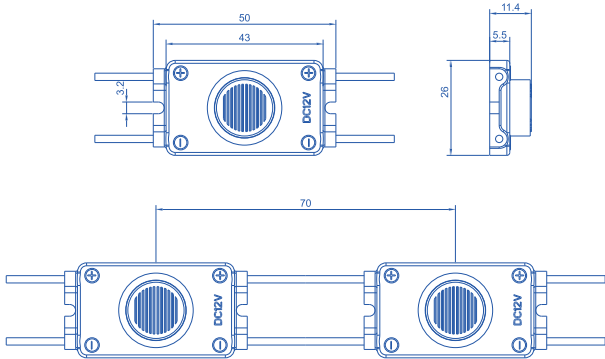


NS-G37

FEATURES

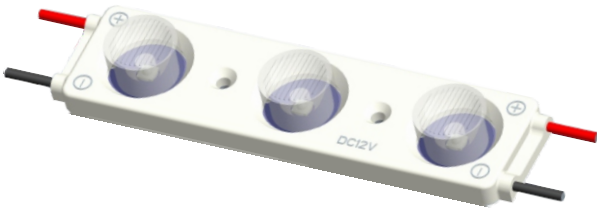
- Overmolded design by plastic injection technology
- Sepcial electrocircuit design, max 30pcs/chain
- Easy mounted by 3M tape or hole on the module
- Unique design for heat sink with AL PCB
- Operating temperature: -40℃ ~ +50℃
- 1pc SMD LED/module, with lens
- Can cut each module
- Centre-to-centre distance:70mm

DIMENSIONS:



TECHNICAL PARAMETERS

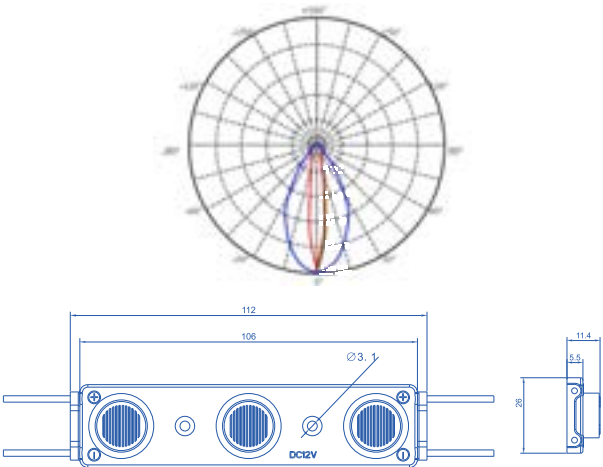
Part.No	CCT(K)	Power(W)	Lumen(lm)	Module/Meter(pcs)	Module/chain(pcs)
NS-G37-XW	3000/4000/6500	1.5	120	14	30
NS-G38-XW	3000/4000/6500	3	280	7	10



NS-G38

FEATURES

- Overmolded design by plastic injection technology
- Special electrocircuit design, max 15pcs/chain
- Easy mounted by 3M tape or hole on the module
- Unique design for heat sink with AL PCB
- Operating temperature: -40℃ ~ +50℃
- 3pcs SMD LED/module, with lens
- Can cut each module
- Centre-to-centre distance: 150mm



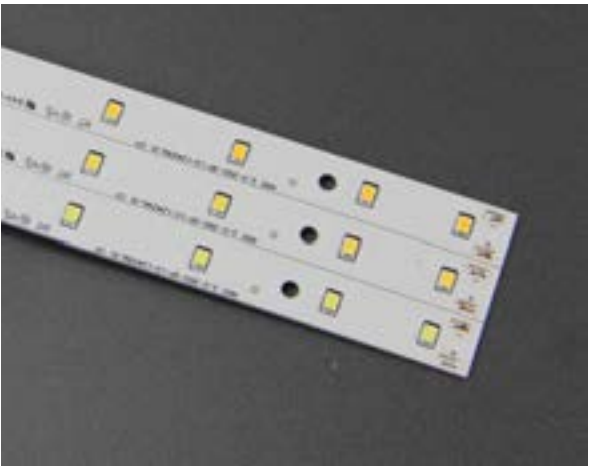
LED PCBA



LED Light Bar

FEATURES

- LED Modules for office lighting
- T5/T8 replacement module
- Linear Lighting module
- LED panel module
- LED Modules with color temperature dynamic
- LED Modules for backlighting
- Typical Applications: Office lighting, Retail, corridor and shelf lighting
- We offer OEM & ODM service



Customized PCB

FEATURES

- PCB kinds: FR4,CEM,AL
- LED type:2835,4014,5050,3030,RGB,3535 high power
- Input:12v/24v/ 350mA 700mA,1000mA and etc
- Lumen output: 90LM/W to 200LM/W
- Connector: as customer request
- Typical Applications: Office lighting, Retail, corridor and shelf lighting
- We offer OEM & ODM service