



# FACADE LIGHTING

LANDSCAPE LIGHTING




ISSUE1

## NVC LIGHTING TECHNOLOGY CORPORATION

NVC Industrial Park,  
Ruhu, Huizhou,  
Guangdong,  
PRC

T: +86-752-2786675  
F: +86-752-2786689  
E: sales@nvc-lighting.com

[www.nvc-lighting.com](http://www.nvc-lighting.com)

 Facebook: [www.facebook.com/nvclightingcorp](https://www.facebook.com/nvclightingcorp)  
 Twitter: [NVC\\_Lighting](https://twitter.com/NVC_Lighting)  
 LinkedIn: [www.linkedin.com/company/nvclightingcorp](https://www.linkedin.com/company/nvclightingcorp)



[www.nvc-lighting.com](http://www.nvc-lighting.com)



NVC Webchat



## NVC LIGHTING – WORKING WITH YOU, WHEREVER YOU ARE

NVC is a lighting brand working with its customers around the world. Wherever we operate we have products for a wide range of commercial, industrial, residential and exterior applications that are suited to local market conditions. However, wherever we work there is one thing that is always the same – we aim to get as close to our customers as we can.

### GOOD VALUE PRODUCTS, IN-STOCK LOCALLY

Very often a customer needs a small number of good value products today, for installation tomorrow. That might be batten fittings, panels, downlights or some low-wattage LED flood-lights for a residential project. We are there to help, with a network of local distributors carrying popular products in stock.



NVC Retail Store in Doha - Qatar



2016 Rio Olympic Games - Brazil

### LIGHTING PROJECTS

Around the world we are best known as lighting suppliers for complete projects. Maybe our help is required to create just the right ambience in a new hotel, or a refurbishment project has ambitious targets to achieve for energy savings. Developers, architects and consultants come to NVC for just this sort of in-depth help and advice.

Typically, we will be able to supply lighting design services, advice on energy saving, local installation support – to make sure the contractor knows exactly how to install our products – and after-sales support with spares and repairs, if required.

### COMPLETE LIGHTING SOLUTIONS

On most projects we can supply all the lighting that is required from our very wide range of standard products, but on some projects something special is required. A large 5-star hotel might require a custom-designed bedside lamp for each guest bedroom, or a special design of wall-bracket to match the theme the interior designers are creating. This is where we use the services of our own BERKELEY Division.

The BERKELEY Division consists of designers, engineers and material specialists all bursting with ideas to help turn a concept sketch from an architect, interior designer or lighting designer into a fully engineered and costed product. Using this approach we have created signature lighting fixtures for bars, restaurants and night-clubs as well as for hotels and shopping malls.

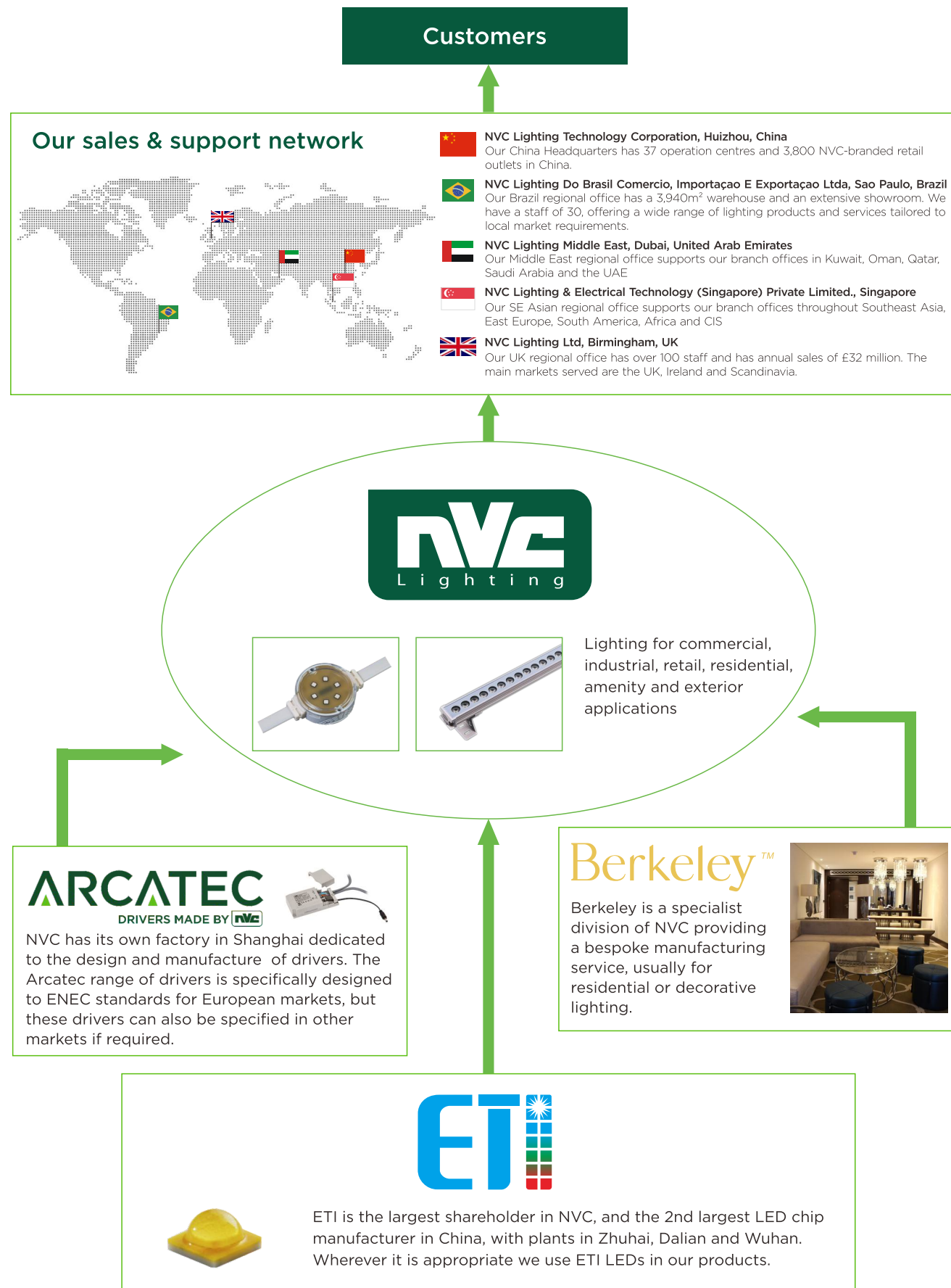
The capability of our BERKELEY Division is available to any client with whom we are already working, and the resulting product design is unique to that client – not replicated and put in a catalogue for general sale.



2016 Hangzhou G20 Summit - China



## NVC - a vertically integrated family of companies



## NVC – a family of companies, united to bring you the best available lighting technology.

NVC was founded in 1998 and is much more than just the largest lighting manufacturer in China, and one of the largest in the world. We are a family of vertically integrated companies that is unique in our field.



### THE LARGEST LIGHTING MANUFACTURER IN CHINA

Our factories and R&D centres in China and the UK design and manufacture one of the widest ranges of lighting products of any company today. With such a broad range of commercial, industrial, retail, decorative and exterior lighting we can generally supply almost everything required on a large project.

In China we distribute our products through 37 Regional Operation Centres, supporting a total of some 3,800 NVC-branded retail outlets.

Around the world we have regional office, local offices and distributors supplying and supporting our customers in Europe, the Middle East, Asia and South America.

NVC is listed on the Hong Kong stock exchange and we have a global turnover (2016) of \$560 million. Our shareholders include Goldman Sachs (5%), Schneider (10%) and ETI (27%).

### Berkeley™ A BESPOKE PRODUCT DESIGN AND MANUFACTURING SERVICE

BERKELEY is a division of NVC Lighting providing a bespoke design and manufacturing service. We deploy BERKELEY to support large projects where, for example, a 5-star hotel might require its own signature design of guest-room bedside lights in addition to standard NVC products being used elsewhere. It is the BERKELEY capability that enables us to say with confidence that we really can supply a complete lighting solution.



### DRIVERS MADE BY NVC

NVC has its own driver factory in Shanghai. For many years they have manufactured to European (ENEC) and US (UL) standards for leading brands - you would recognise them all. We are now using their expertise to manufacture a range of drivers specifically for NVC in the European market. This is the NVC ARCATEC range.

Initially, these are available in two formats, the ARCATEC-ec (compact) and the ARCATEC-el (linear). Both ranges are ENEC approved and are available outside Europe on request.

Having our own driver manufacturing benefits our customers directly. We take uncompromised ownership of any technical and support issues, such as the provision of spare parts, and we have a direct line of communication to the designers and manufacturers to help answer customer queries.

Of course, we cannot make all the drivers ever required, so for specialist applications, such as dimming, we also use other brands such as Osram and Tridonic.



### ONE OF CHINA'S LARGEST LED MANUFACTURERS

ETI is listed on the Shenzhen stock exchange and has factories in Zhuhai, Wuhu and Dalian. ETI designs and manufactures wafers and packaged LEDs in many formats, including SMD and COB. Wherever possible we use ETI LEDs in our products.

Because of our very close relationship with ETI their LEDs are available to us on the shortest possible lead times. Our customers also benefit from having first-use of new products and access to a depth of product technical support and knowledge that few rivals can match.

ETI makes a wide range of LED devices, but when ETI's range does not include the precise product required we use other LED brands, especially Cree. We have a long-standing relationship with Cree stretching back many years, and our head office, with one of our R&D centres, is conveniently located close to one of Cree's factories.





QUICK CONTENTS


COMPANY PROFILES	3-7
-----	
LED PIXEL LIGHTS	8-17
-----	
LED LINEAR LIGHTS	18-39
-----	
LED WALL WASHER LIGHTS	40-49
-----	
LED LIGHTING CONTROLLER	50-57
-----	
TECHNICAL	58-59
-----	
SALES & SUPPORT NETWORK	60-61





NVC has a policy of continual product improvement. The information in this catalogue is provided for reference only and while every effort was made to ensure it was correct at the time of printing, we reserve the right to make corrections as well as product alterations and improvements at any time without notice. Trademarks are the property of NVC Lighting Technology Corporation or their respective owners.

# Global Quality Approvals & Symbol Keys

**CE** This mark is a declaration that the product in question meets the requirements of the applicable EU directives. In the case of lighting products this means that they comply with the Low Voltage Directive (LVD), the Electromagnetic Compatibility (EMC) Directive and the Restrictions of the Use of Certain Hazardous Substances Directive (RoHS). It is the responsibility of the lighting manufacturer to ensure that all their products that are sold in the European Economic Area carry the CE mark.

 Class I. The product is provided with basic insulation and all exposed conductive parts are connected to an earth terminal

 Class II. Basic and supplementary insulation in accordance with BS EN60598. No provision for an earth connection.


 Class III. Separated extra-low voltage. No voltages higher than 50v AC or 120v DC are generated.


 Mains voltage 12V AC/DC


 Mains voltage 100-240V AC


 Mains voltage 220V AC

 Mains voltage 220-240V AC


 IP rating. All fittings are IP65 unless otherwise stated.


 Rated life of a product, "h" is short for hour.  
-Fittings must be installed in accordance with instructions and specifically not in an ambient temperature that ever exceeds 25.  
-Consumable items, such as fuses, batteries and lamp are excluded.  
-Lumen depreciation to 70% of initial lumens (L70) can occur within the stated lifetime and will not constitute a valid after service claim.

 It can be dimmed.

 It can not be dimmed.


 It uses the DMX512 control signal

 Beam angle. The angle of the beam dictates the size of the area to be covered in light.

 It has single color only

 On/off

 It is RGB LED

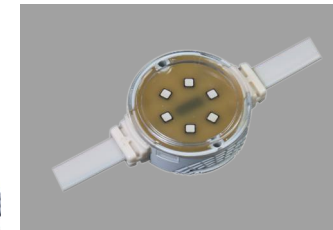
 It uses the SPI control signal



## Spark Series



NPXLED301



NPXLED302



NPXLED303



NPXLED304

### Spark Series

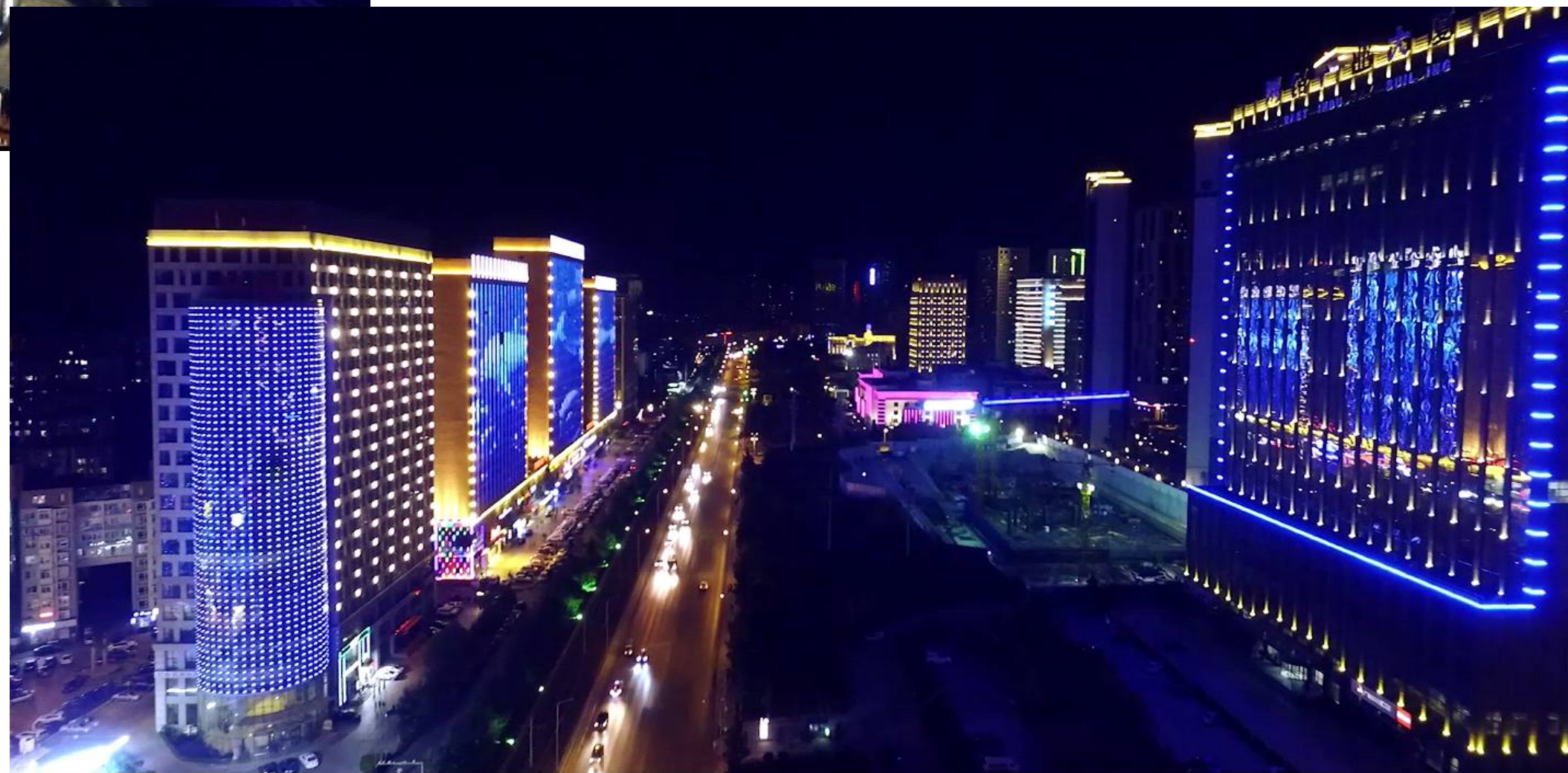
Spark series LED pixel light uses the LED dot matrix principle and LED computer digital system to realize different types of animation (GIF, flash), word, picture (JPG, BMP) or other lighting effects.

Spark series is a complementation lighting effect for the linear and flood lighting. The attractive appearance can meet the design requirements of decorative point, line and surface lighting effects for the building.

RGB lighting fixture series is compliant with the DMX512 control protocol standard and has automatic addressing system.

### Application areas

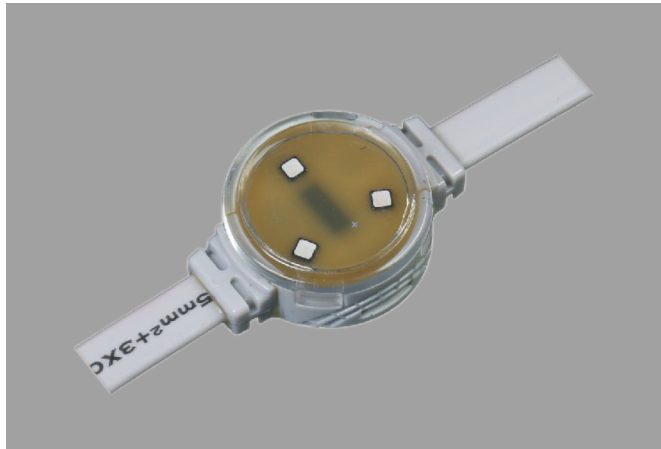
- Large glass curtain wall;
- Large pitch irregular display screen;
- Building surface;
- Upscale bars, stage background, large advertising signs.







NPXLED301



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC12V  
Rated power: 1W

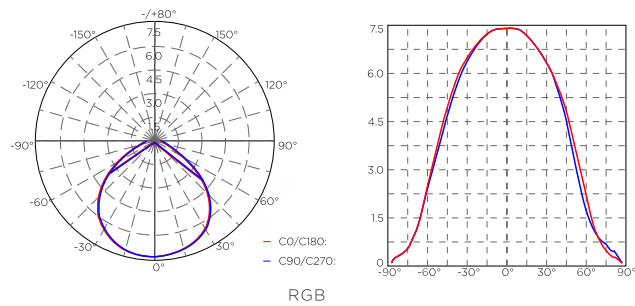
Control parameter

Material: ABS/PC  
Surface finish: Anti UV  
Color: gray/9007  
Product weight: 24g

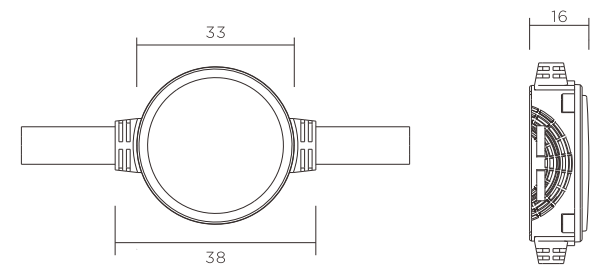
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

Photometric Date

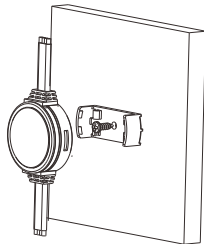


Dimensional drawing

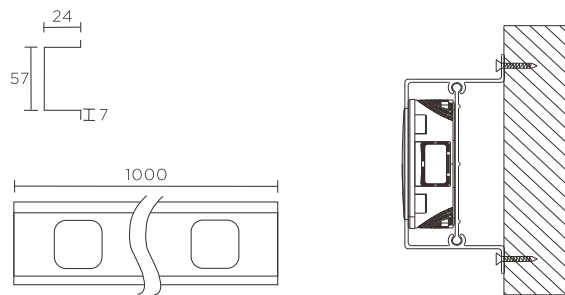


Installation instructions

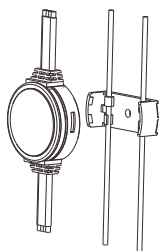
Buckle mounting



Aluminum trough installation

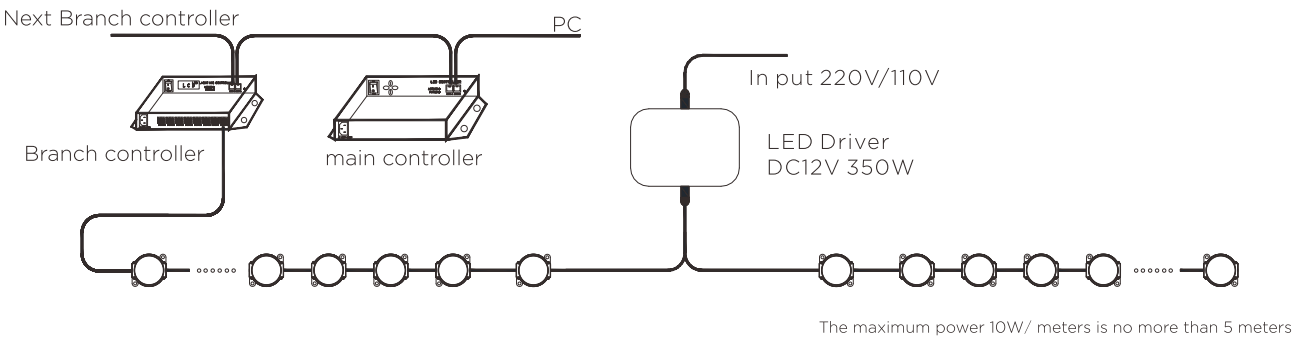


Guyed mounting

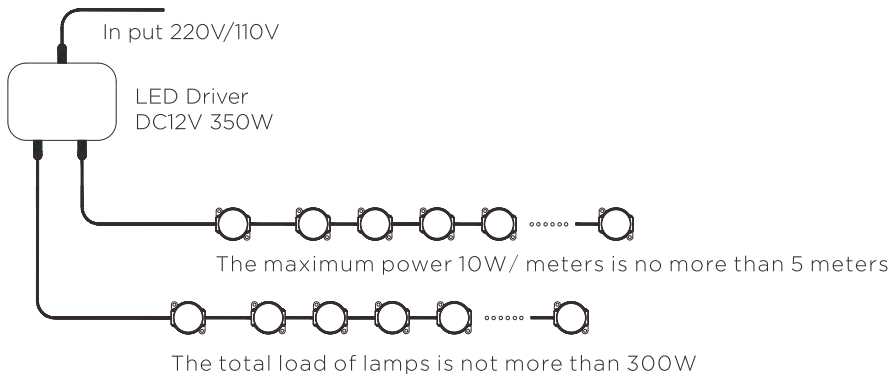


NPXLED301

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	301	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Installation method
N=NVC	301=301	D=DMX512	F=RGB	1=Buckle mounting
PX=Pixel product		S=SPI	W=white(3000K)	2=Aluminum trough installation
LED=LED LAMP		N=ON/OFF	R=red	3=Guyed mounting
			G=green	
			B=blue	
			Y=yellow	
			A=amber	





NPXLED302



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC12V  
Rated power: 1.5W

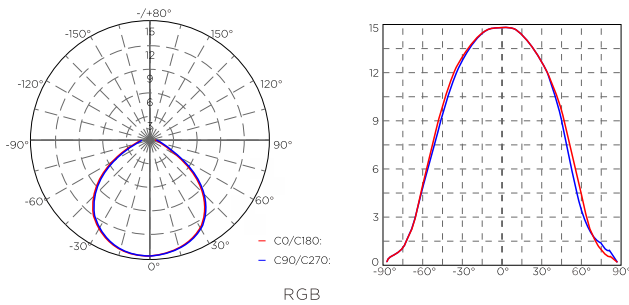
Control parameter

Material: ABS/PC  
Surface finish: Anti UV  
Color: gray/9007  
Product weight: 33g

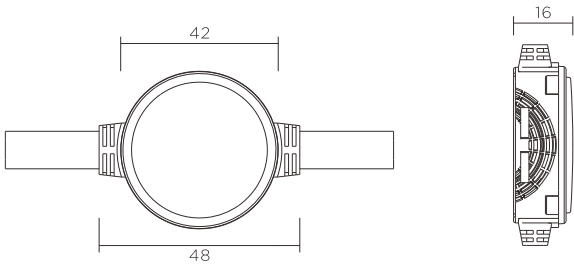
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

Photometric Date

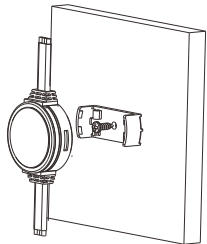


Dimensional drawing

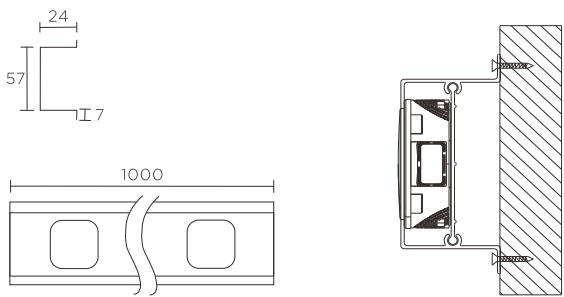


Installation instructions

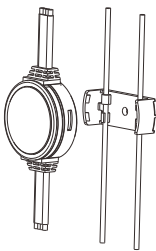
Buckle mounting



Aluminum trough installation

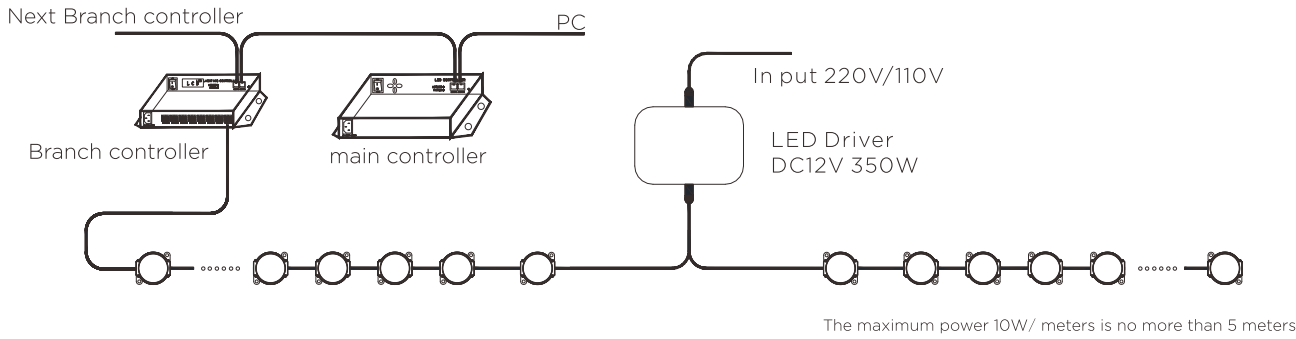


Guyed mounting

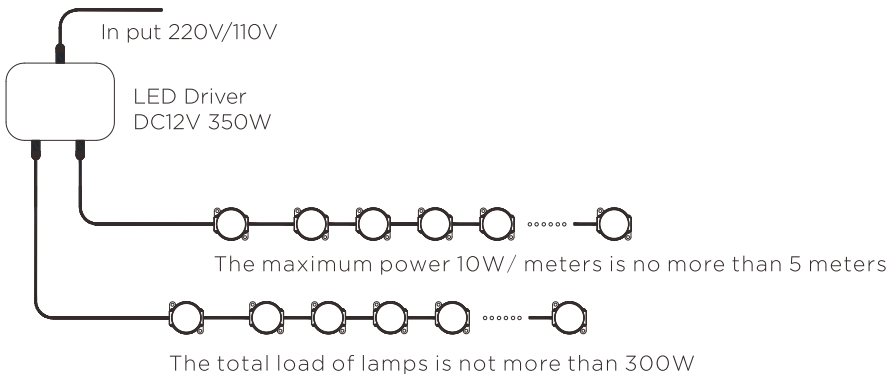


NPXLED302

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	302	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Installation method
N=NVC	302=302	D=DMX512	F=RGB	1=Buckle mounting
PX=Pixel product		S=SPI	W=white(3000K)	2=Aluminum trough installation
LED=LED LAMP		N=ON/OFF	R=red	3=Guyed mounting
			G=green	
			B=blue	
			Y=yellow	
			A=amber	



NPXLED303



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 2.4W

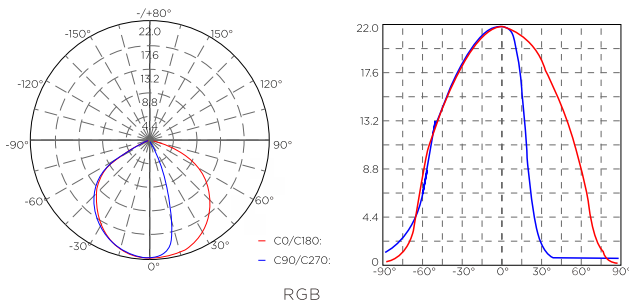
Control parameter

Material: Aluminum/PC  
Surface finish: Anti UV spray coating  
Color: Black  
Product weight: 43g

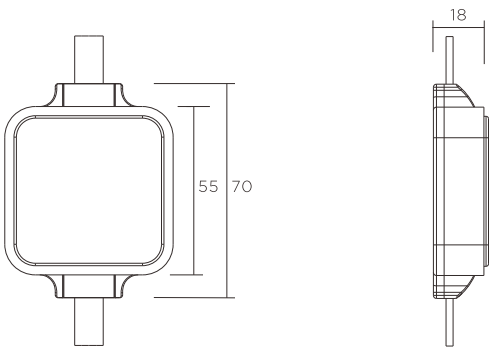
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

Photometric Date

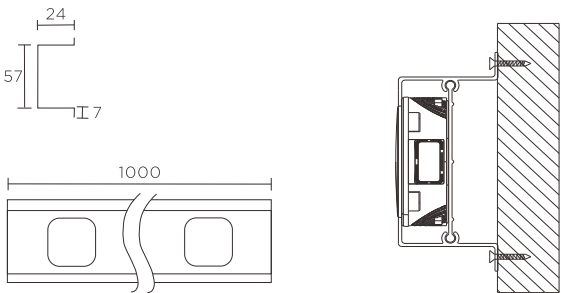


Dimensional drawing

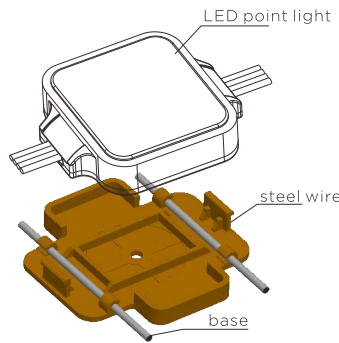


Installation instructions

Aluminum trough installation

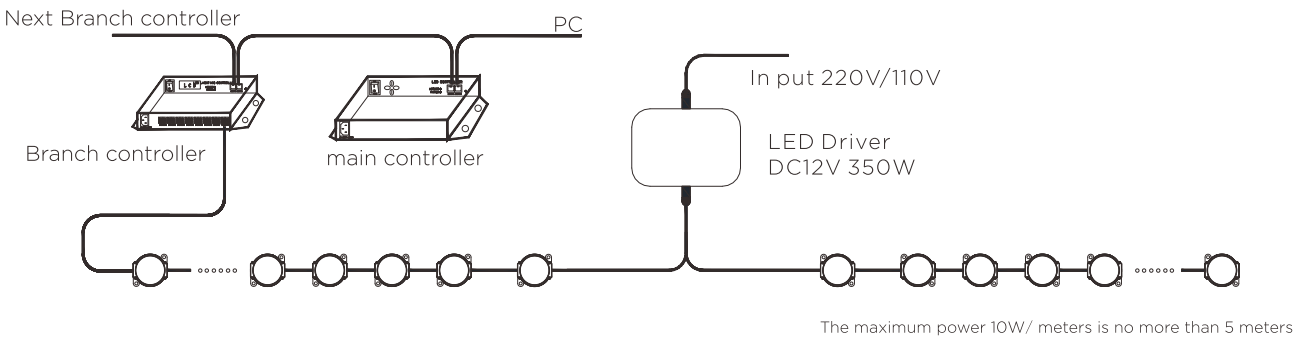


Guyed mounting

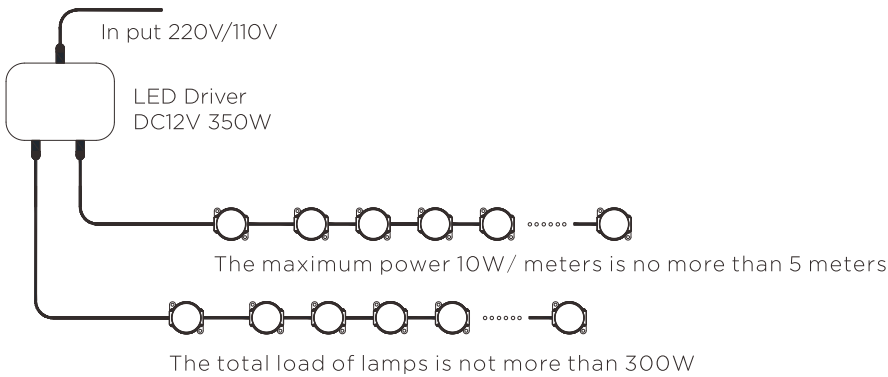


NPXLED303

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	303	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Installation method
N=NVC	303=303	D=DMX512	F=RGB	1=Aluminum trough installation
PX=Pixel product		S=SPI	W=white(3000K)	2=Guyed mounting
LED=LED LAMP		N=ON/OFF	R=red	
			G=green	
			B=blue	
			Y=yellow	
			A=amber	





NPXLED304



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 3.8W

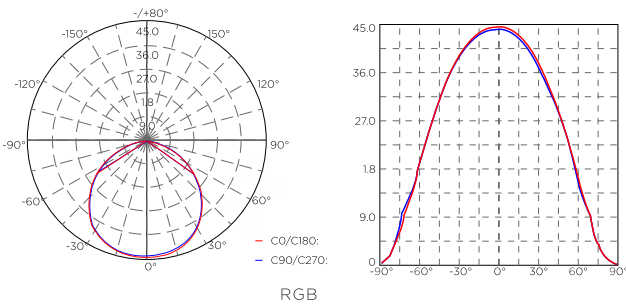
Control parameter

Material: Aluminum/PC  
Surface finish: Anti UV spray coating  
Color: Black  
Product weight: 75g

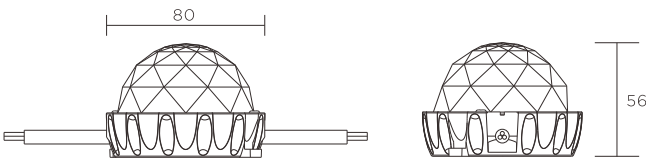
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

Photometric Date

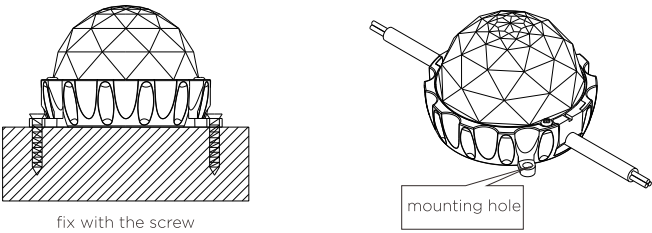


Dimensional drawing



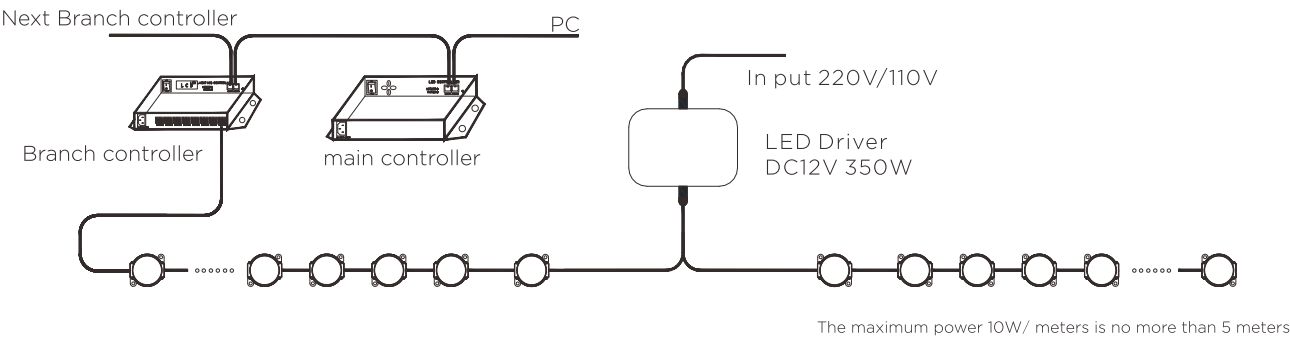
Installation instructions

Buckle mounting

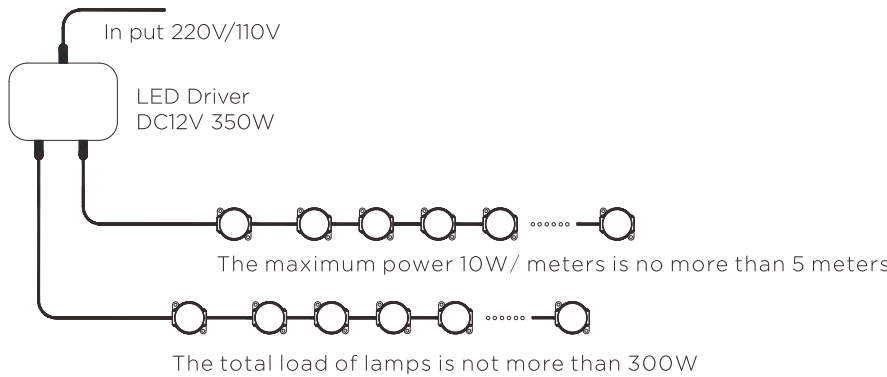


NPXLED304

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	304	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Installation method
N=NVC	304=304	D=DMX512	F=RGB	1=Buckle mounting
PX=Pixel product		S=SPI	W=white(3000K)	
LED=LED LAMP		N=ON/OFF	R=red	
			G=green	
			B=blue	
			Y=yellow	
			A=amber	



# Aurora Series

## Aurora Series

Aurora series use various types of bezel to satisfy the different requirements for lighting which can provide more choice for customers.

Rotating support arm allows the adjustable angle up to 90 degrees.

Exquisite product size allows the fixture to hide and blend into the building which can keep them as one.

The product is up to IP65 and provided various options of light colours and control systems.

RGB lighting fixture series is compliant with the DMX512 control protocol standard and has automatic addressing system.

## Application areas

- Large glass curtain wall;
- Large pitch irregular display screen;
- Building surface;
- Upscale bars, stage background, large advertising signs;



NLNLED401



NLNLED402



NLNLED403



NLNLED404



NLNLED405



NLNLED406





NLNLED401



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 12W(1m)/6W(0.5m)/3W(0.3m)

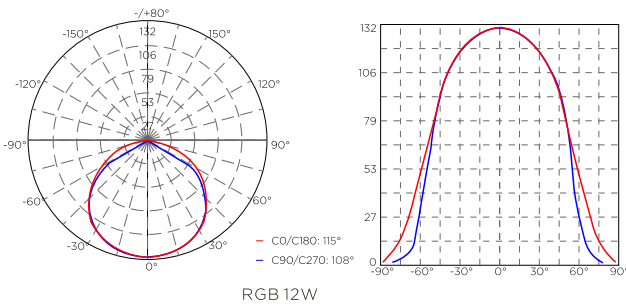
Control parameter

Material: Aluminum/PC  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 1.1kg

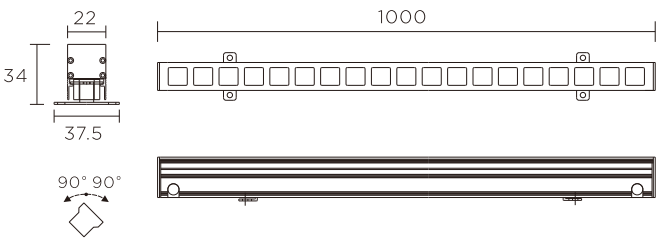
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

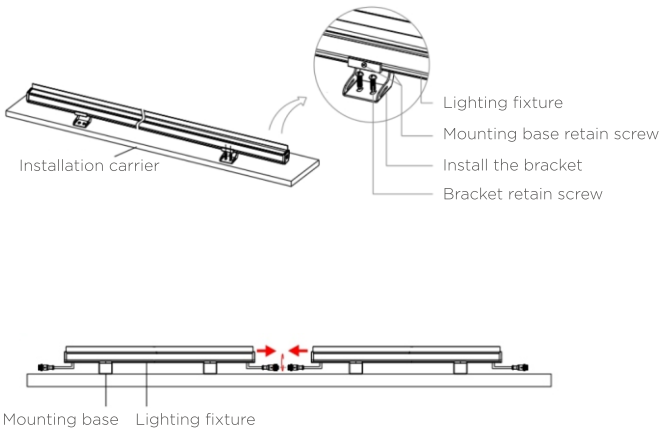
Photometric Date



Dimensional drawing

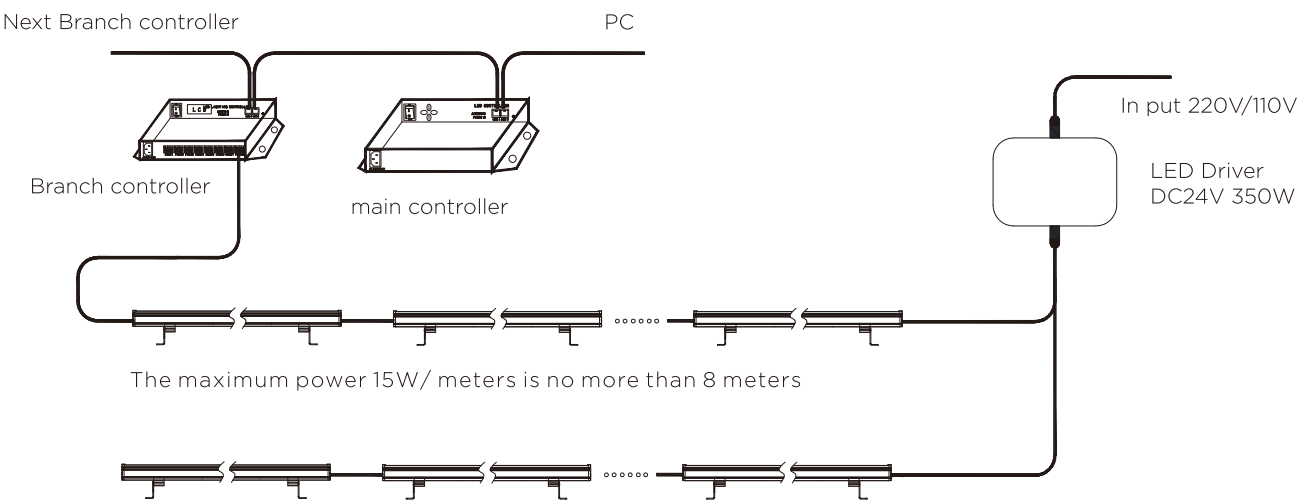


Installation instructions

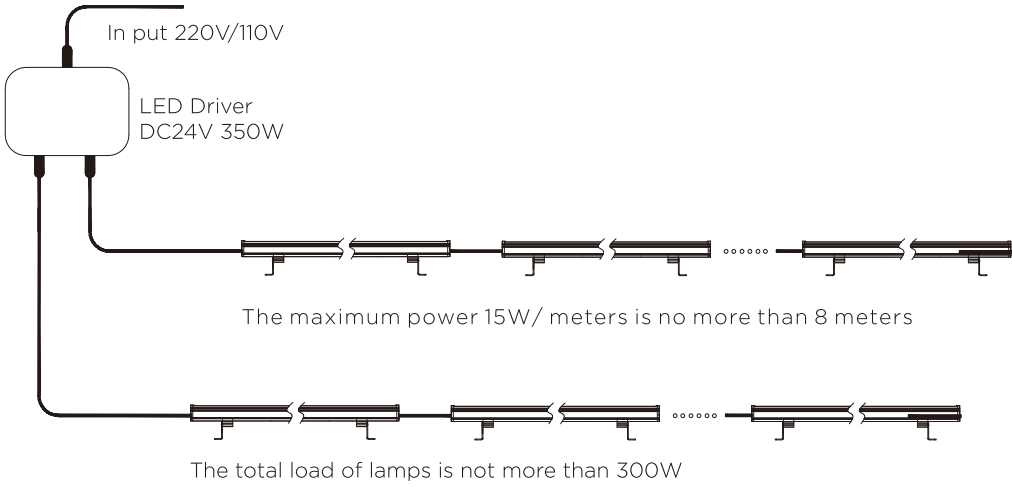


NLNLED401

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	401	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection
N=NVC	401=401	D=DMX512	F=RGB	1=1m 12W
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 6W
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 3W
			G=green	
			B=blue	
			Y=yellow	
			A=amber	



NLNLED402



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 12W(1m)/6W(0.5m/)/3W(0.3m)

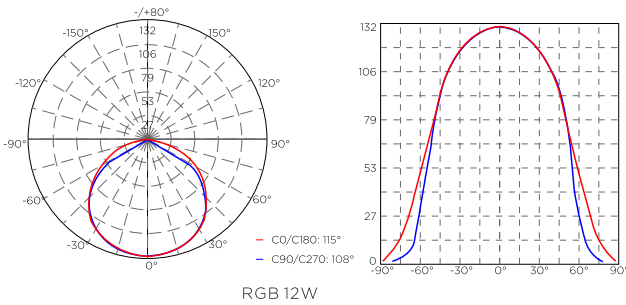
Control parameter

Material: Aluminum/PC  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 1.3kg

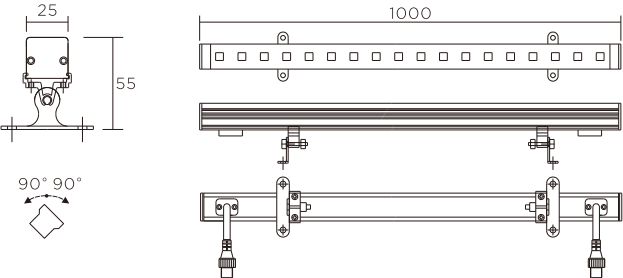
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

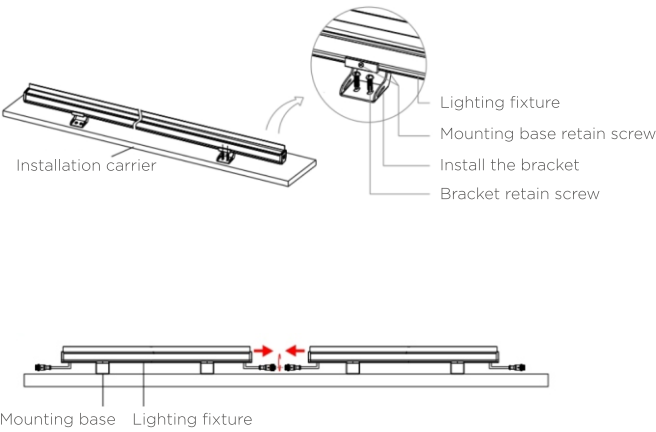
Photometric Date



Dimensional drawing

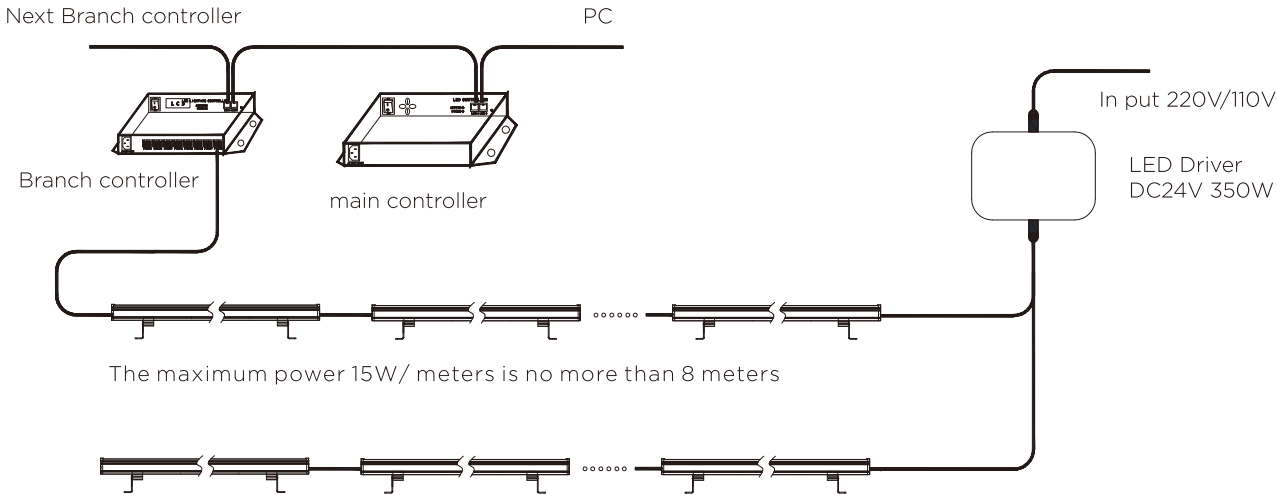


Installation instructions

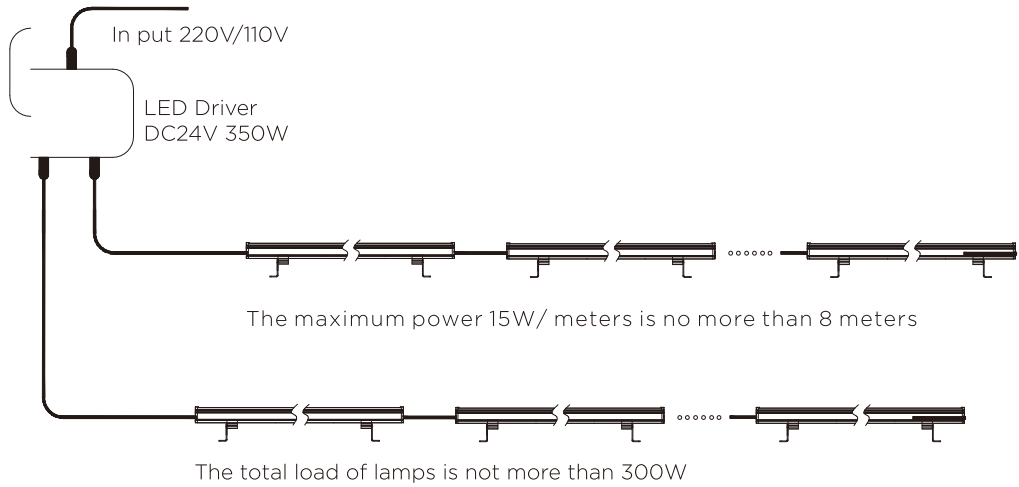


NLNLED402

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



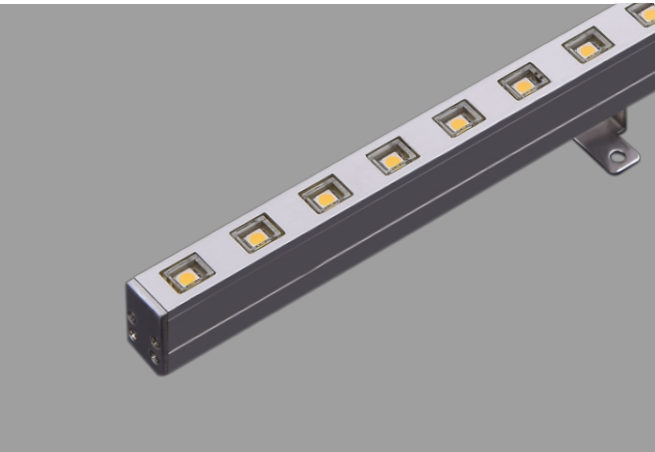
The product is also available for CREE LED

Procurement guidelines				
NLNLED	402	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection
N=NVC	402=402	D=DMX512	F=RGB	1=1m 12W
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 6W
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 3W
			G=green	
			B=blue	
			Y=yellow	
			A=amber	





NLNLED403



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 12W(1m)/6W(0.5m/)/3W(0.3m)

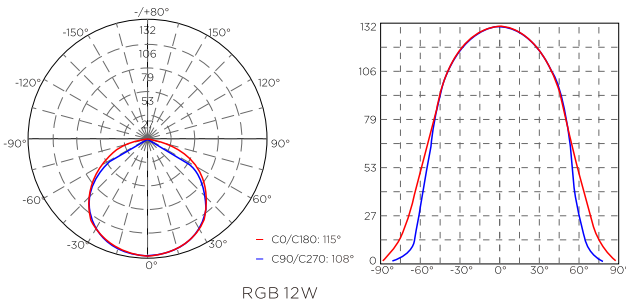
Control parameter

Material: Aluminum/PC  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 1.0kg

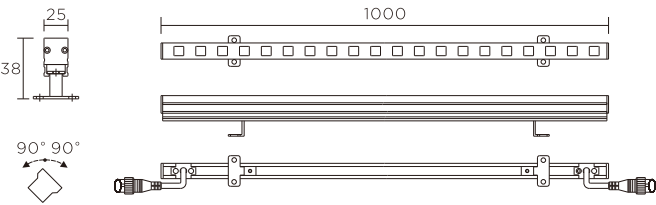
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

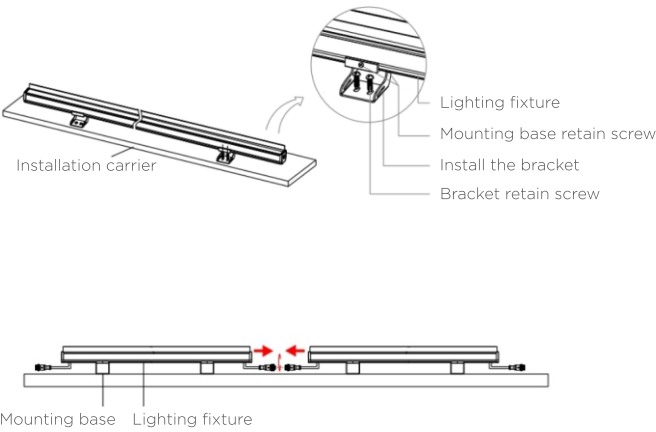
Photometric Date



Dimensional drawing

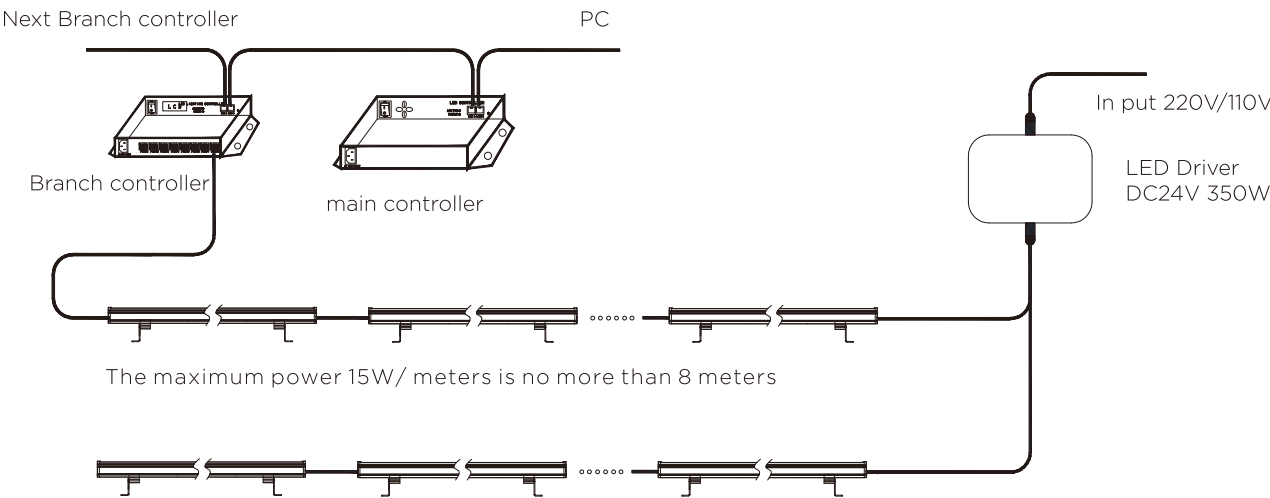


Installation instructions

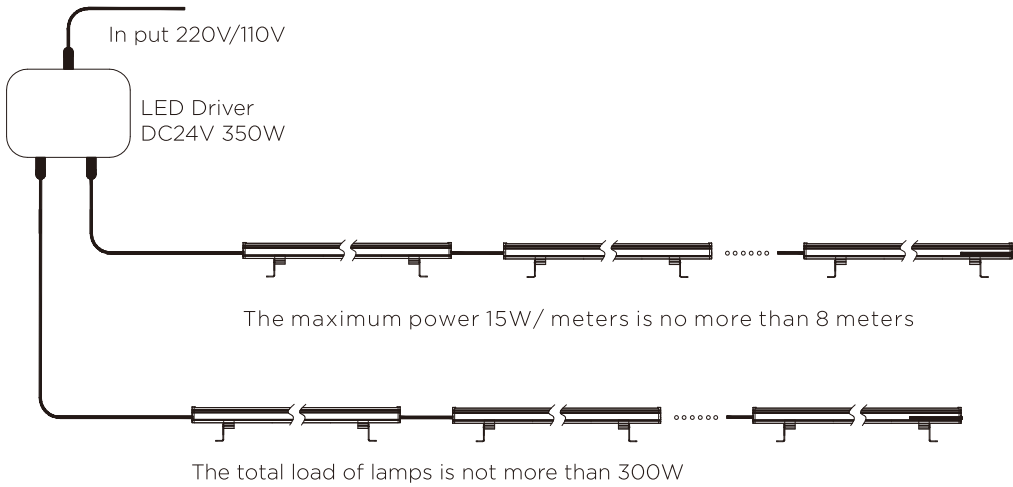


NLNLED403

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	403	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection
N=NVC	403=403	D=DMX512	F=RGB	1=1m 12W
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 6W
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 3W
			G=green	
			B=blue	
			Y=yellow	
			A=amber	



NLNLED404



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 12W(1m)/6W(0.5m/)/3W(0.3m)

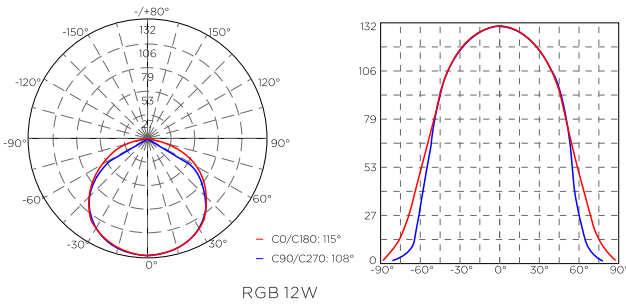
Control parameter

Material: Aluminum/PC  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 1.1kg

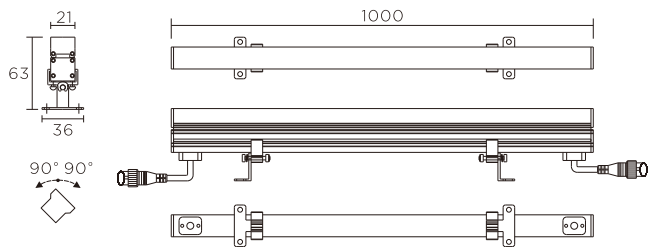
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

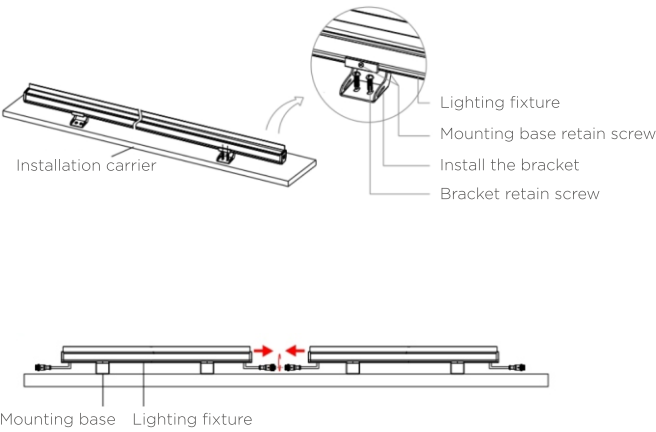
Photometric Date



Dimensional drawing

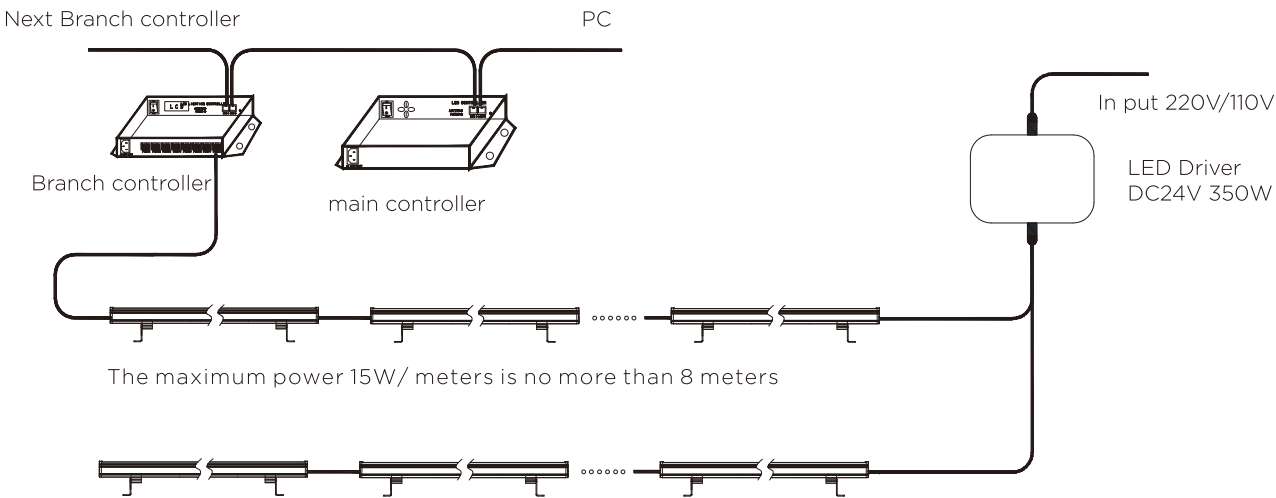


Installation instructions

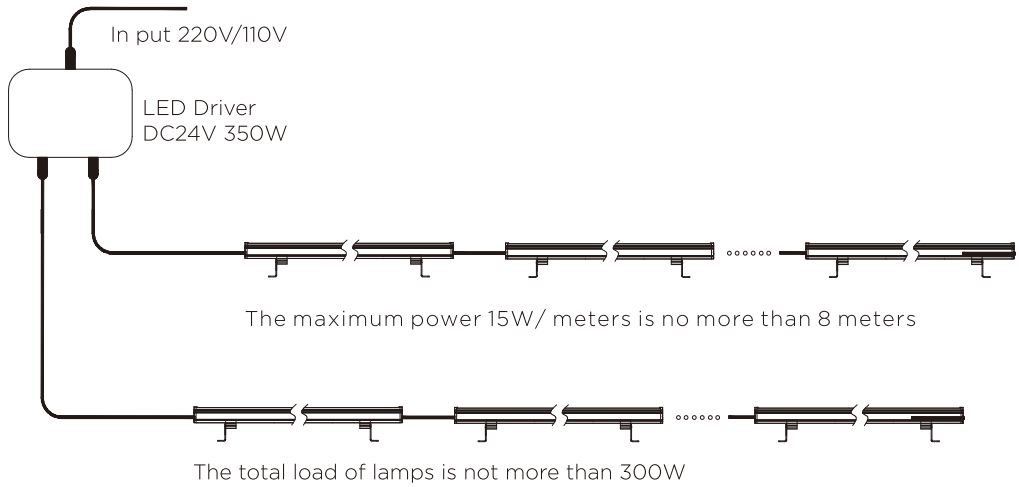


NLNLED404

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	404	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection
N=NVC	404=404	D=DMX512	F=RGB	1=1m 12W
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 6W
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 3W
			G=green	
			B=blue	
			Y=yellow	
			A=amber	



NLNLED405



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 10W(1m)/5W(0.5m)/2.5W(0.3m)

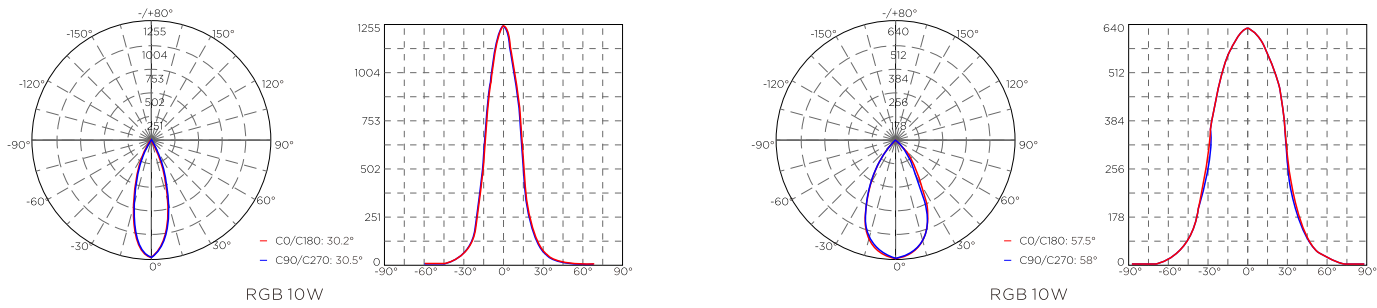
Control parameter

Material: Aluminum/Tempered glass  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 1.8kg

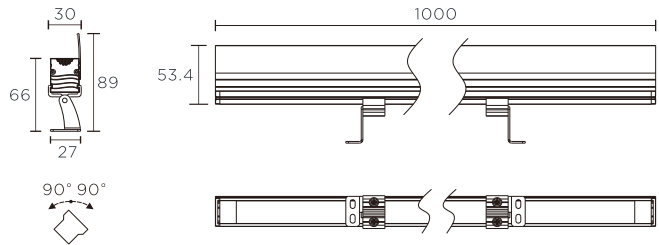
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

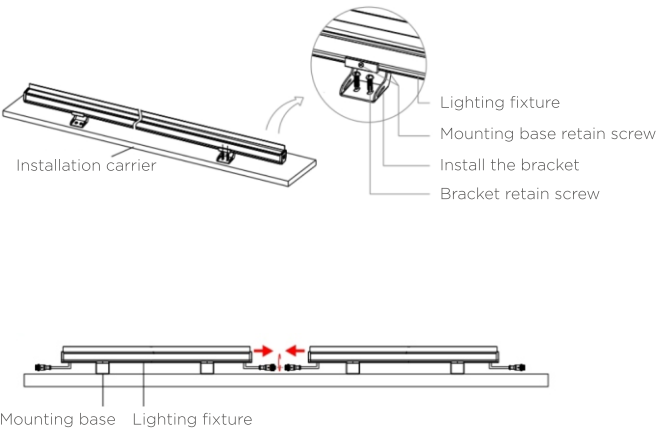
Photometric Date



Dimensional drawing

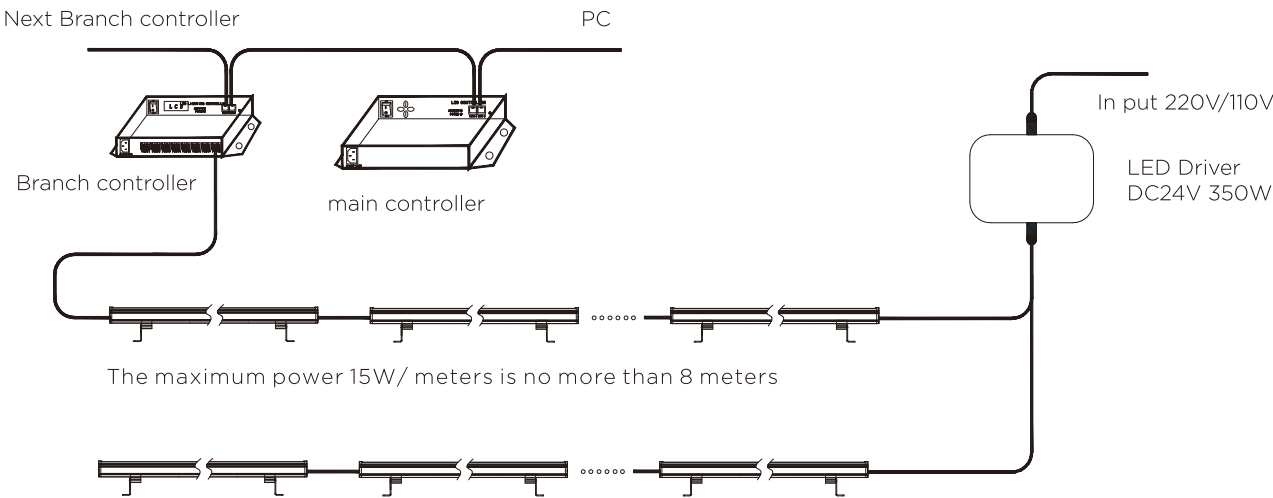


Installation instructions

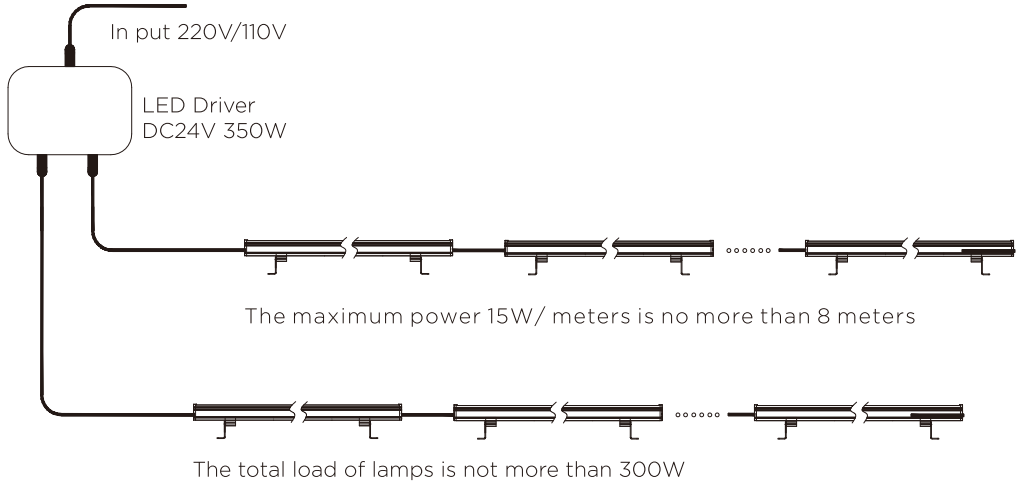


NLNLED405

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



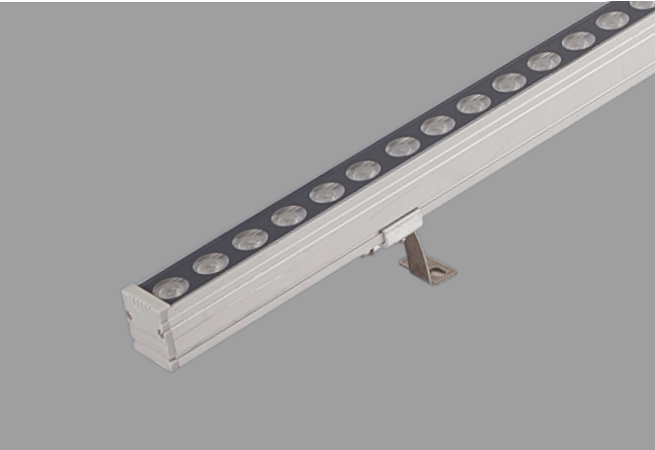
The product is also available for CREE LED

Procurement guidelines					
NWWLED	405	D	F	1	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection	Beam angle
N=NVC	405=405	D=DMX512	F=RGB	1=1m 10W	1=30°
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 5W	2=60°
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 2.5W	3=45°
			G=green		4=20°*65°
			B=blue		
			Y=yellow		
			A=amber		





NLNLED406



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 10W(1m)/5W(0.5m)/2.5W(0.3m)

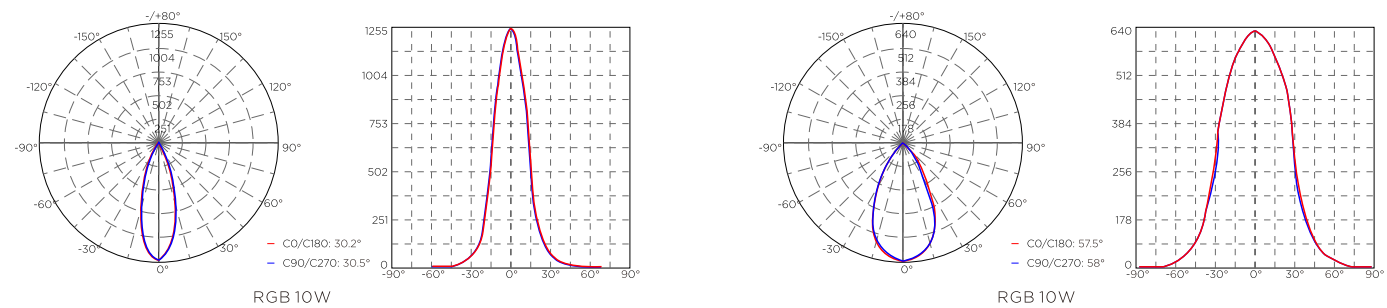
Control parameter

Material: Aluminum/Tempered glass  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 1.8kg

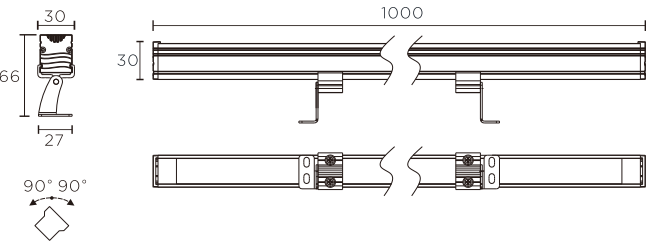
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

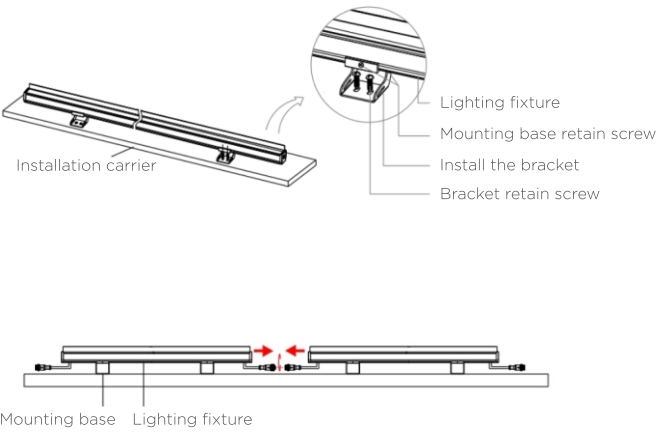
Photometric Date



Dimensional drawing

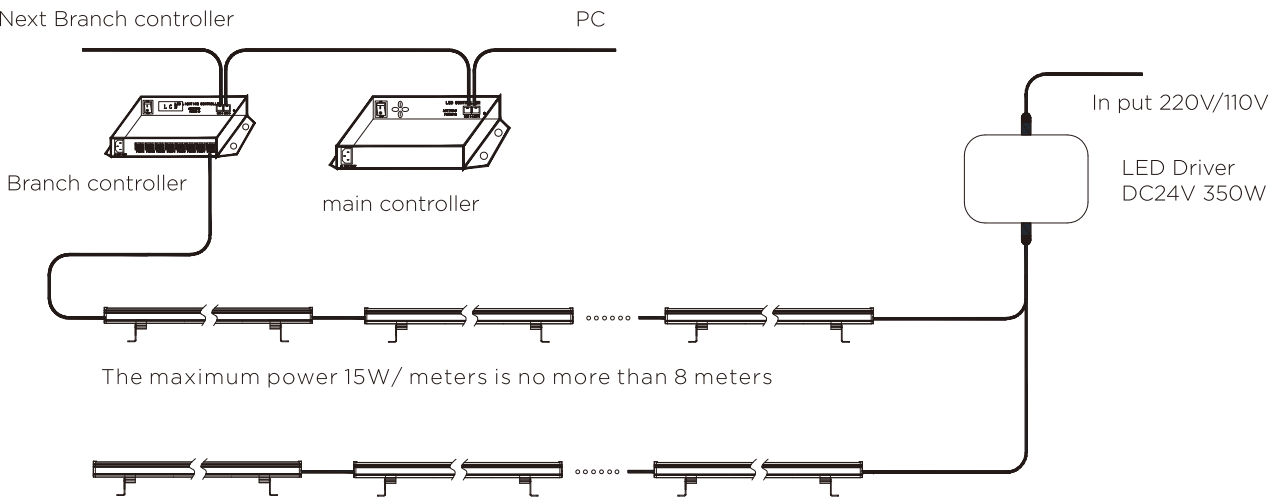


Installation instructions

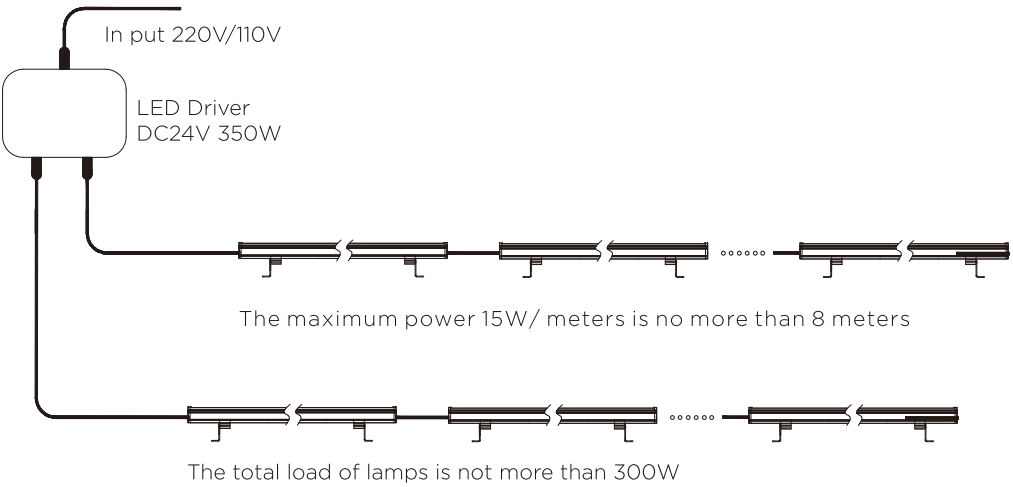


NLNLED406

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines					
NWWLED	406	D	F	1	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection	Beam angle
N=NVC	406=406	D=DMX512	F=RGB	1=1m 10W	1=30°
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 5W	2=60°
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 2.5W	3=45°
			G=green		4=20°*65°
			B=blue		
			Y=yellow		
			A=amber		



# Rainbow Series

## Rainbow Series

Rainbow series has various types of bezel which can satisfy the different lighting requirements, provide more choices for customers.

Provide fixed support installation accessories and wire slot design for easy installation.

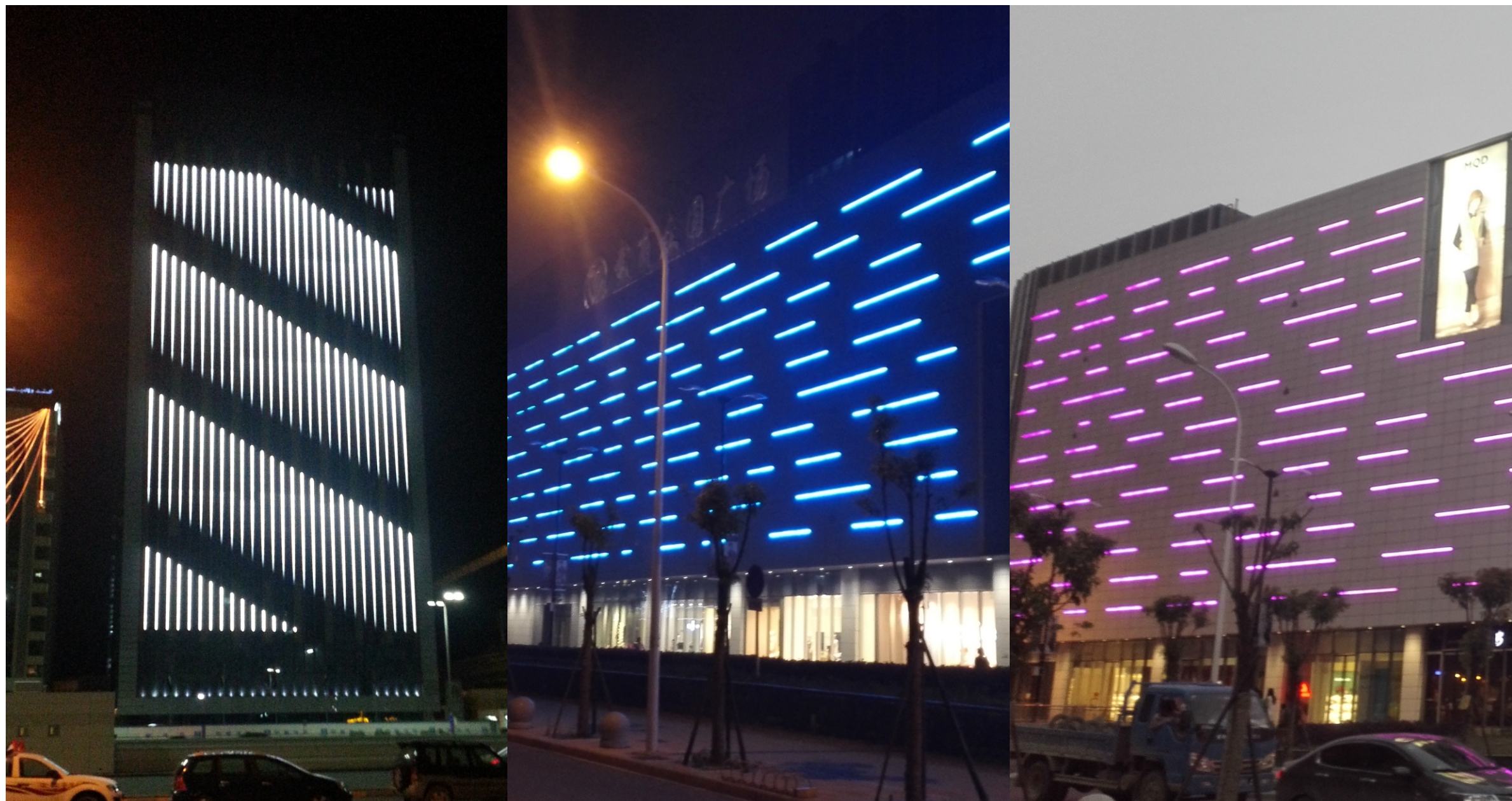
Exquisite product size allows the fixture to hide and blend into the building which can keep them as one.

The product is up to IP65 and provided various options of light colours and control systems.

RGB lighting fixture series is compliant with the DMX512 control protocol standard and has automatic addressing system.

## Application areas

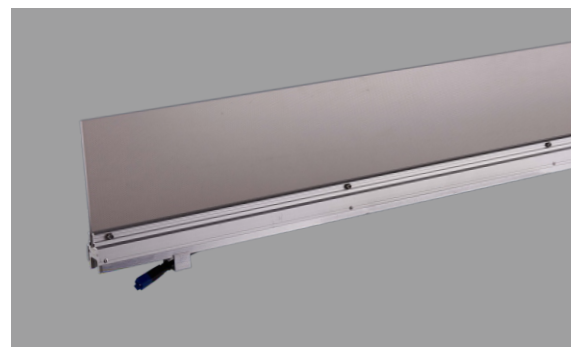
- Large glass curtain wall;
- Large pitch irregular display screen;
- Building surface;
- Upscale bars, stage background, large advertising signs.



NLNLED407



NLNLED408



NLNLED409



# NLNLED407



## Photoelectric parameters

LED Type: Epistar SMD 5050

working voltage: DC24V

Rated power: 10W(1m)/5W(0.5m)/2.5W(0.3m)

### Control parameter

Material: Aluminum/Tempered glass

Surface finish: Anti UV spray coating

Color: gray/9007

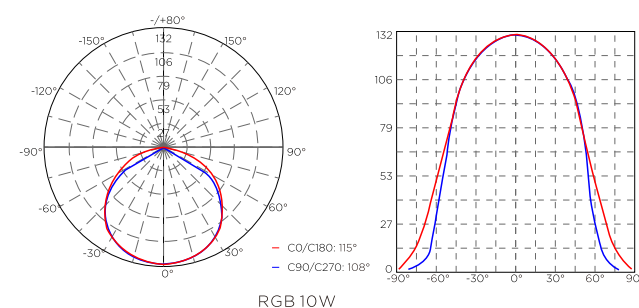
Product weight: 1.6kg

## Environment parameters

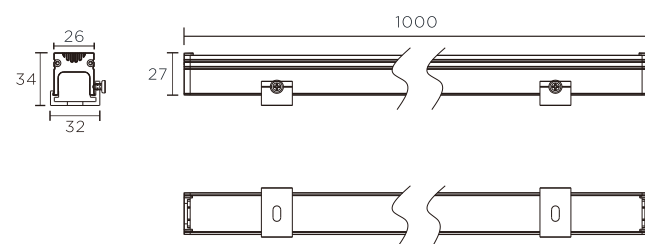
Working temperature: -30° - 50°

Storage temperature: -40° - 55°

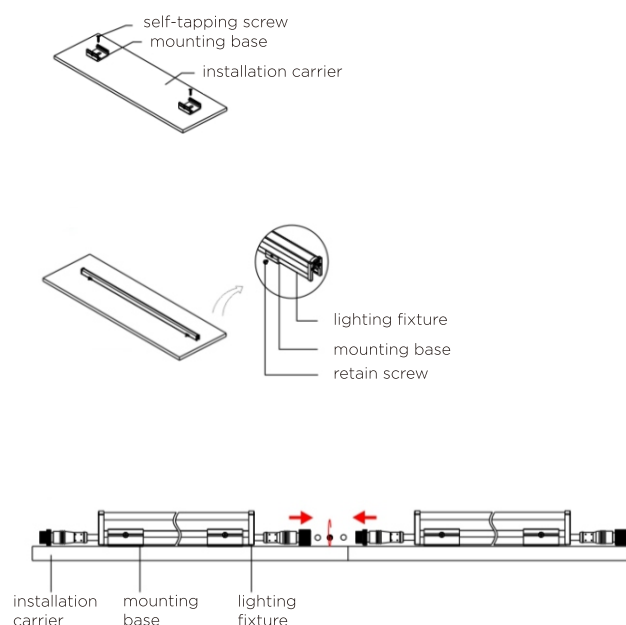
## Photometric Date



## Dimensional drawing

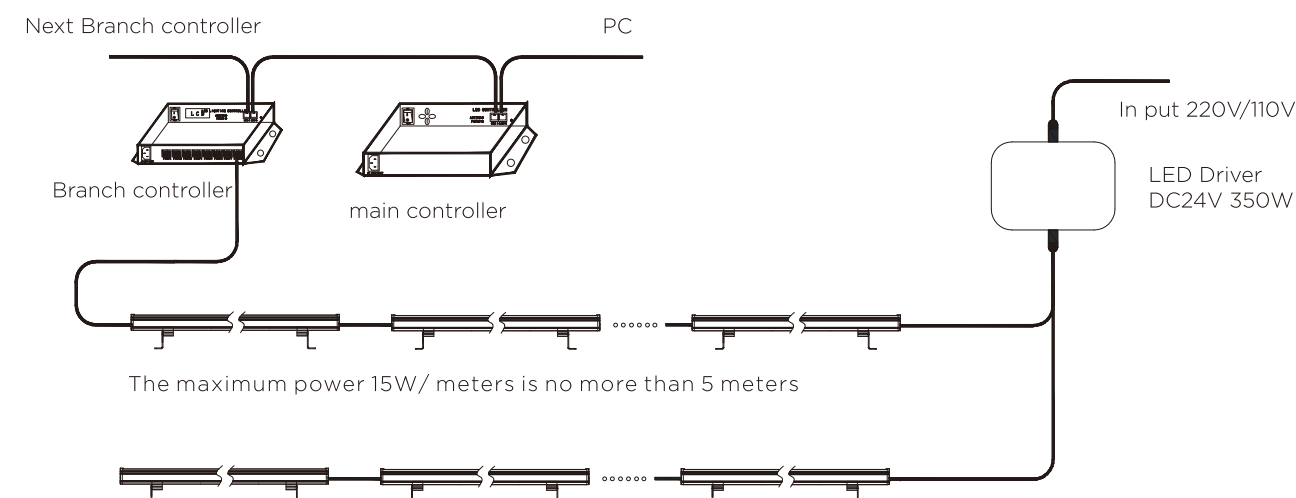


## Installation instructions

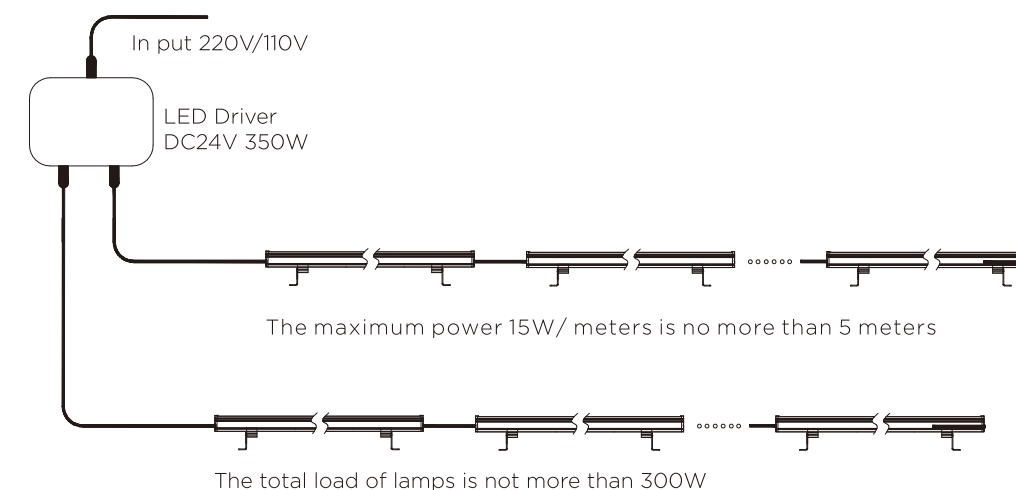


# NLNLED407

## Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

## Procurement guidelines

NLNLED	407	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection
N=NVC	407=407	D=DMX512	F=RGB	1=1m 10W
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 5W
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 2.5W
			G=green	
			B=blue	
			Y=yellow	
			A=amber	





NLNLED408



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 10W(1m)/5W(0.5m)/2.5W(0.3m)

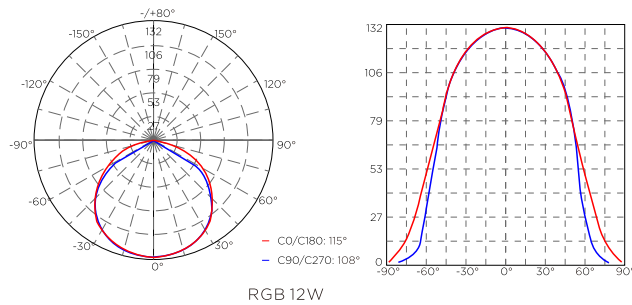
Control parameter

Material: Aluminum/Tempered glass  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 1.6kg

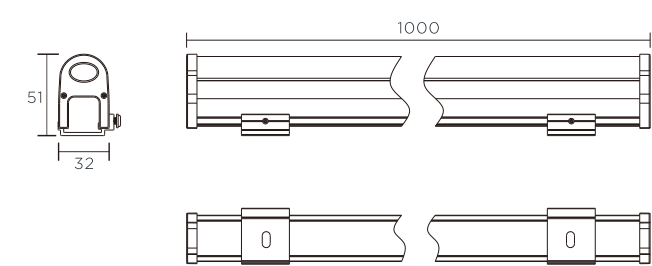
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

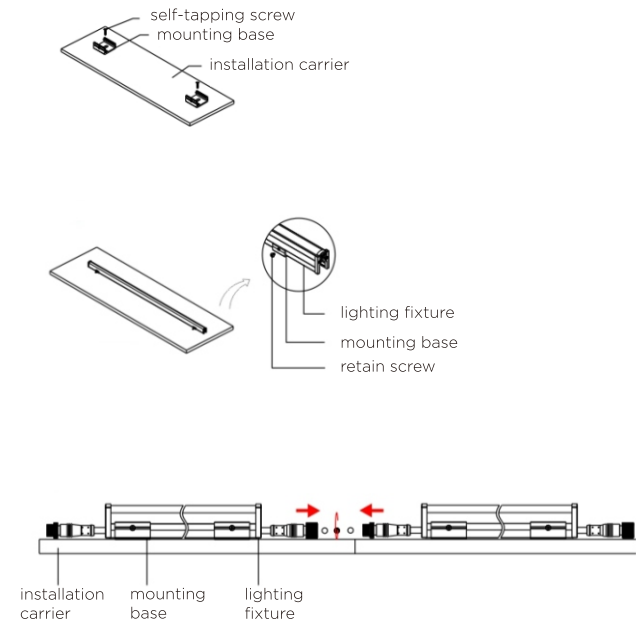
Photometric Date



Dimensional drawing

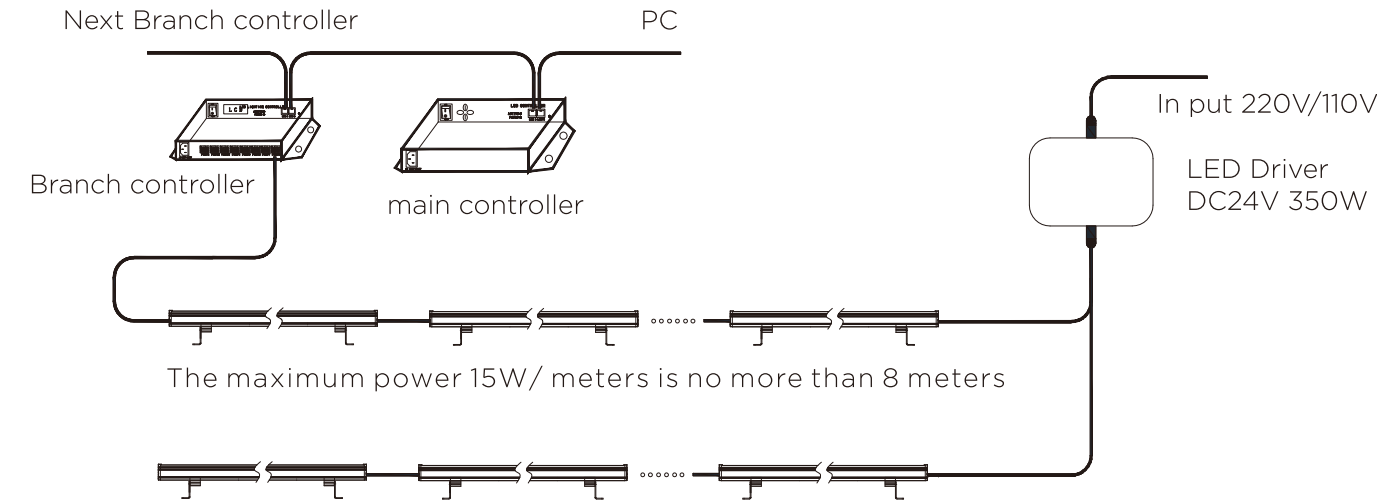


Installation instructions

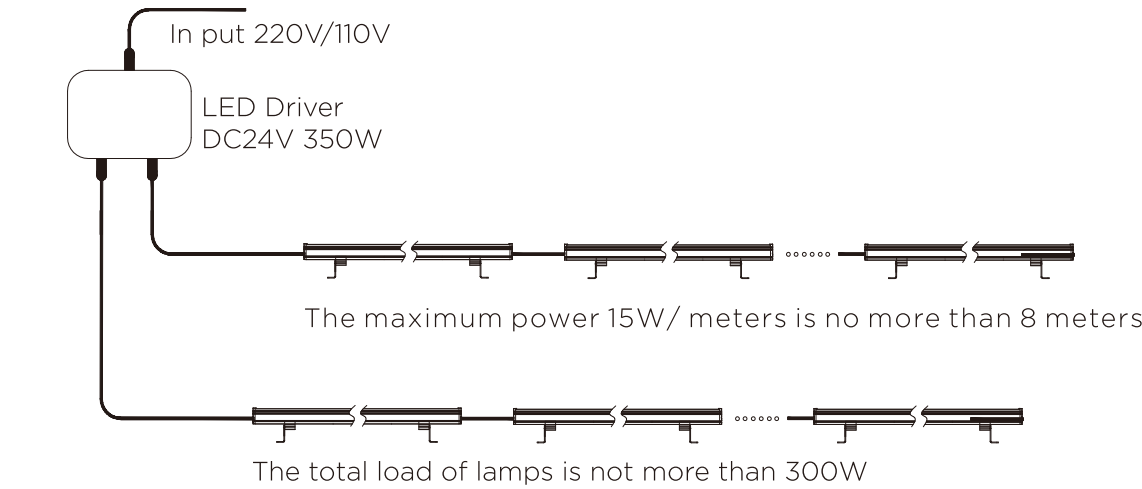


NLNLED408

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	408	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection
N=NVC	408=408	D=DMX512	F=RGB	1=1m 10W
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 5W
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 2.5W
			G=green	
			B=blue	
			Y=yellow	
			A=amber	



NLNLED409



Photoelectric parameters

LED Type: Epistar SMD 5050  
working voltage: DC24V  
Rated power: 10W(1m)/5W(0.5m)/2.5W(0.3m)

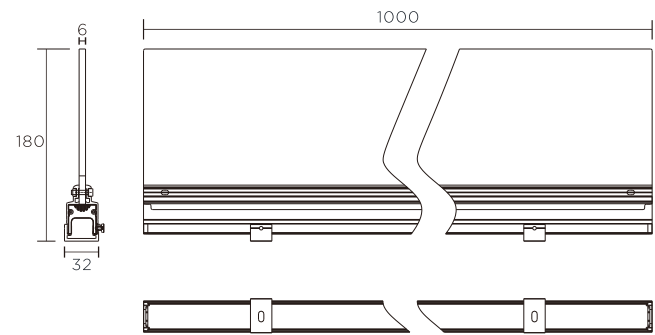
Control parameter

Material: Aluminum/PMMA light guide plate  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 3.5kg

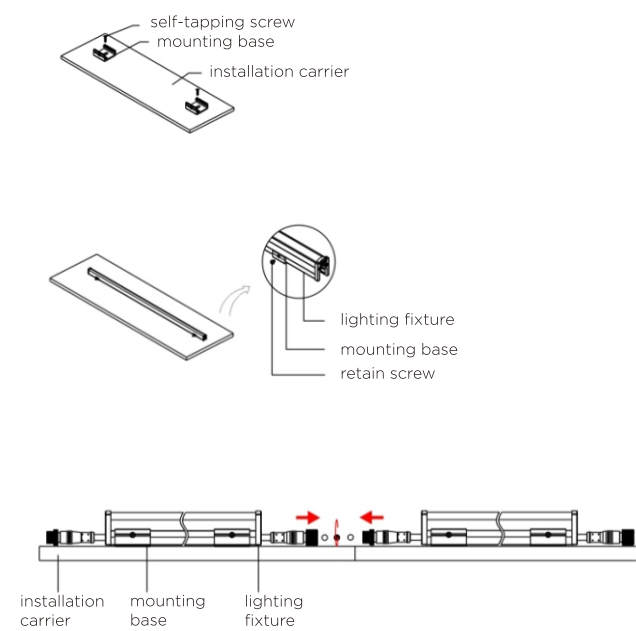
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

Dimensional drawing

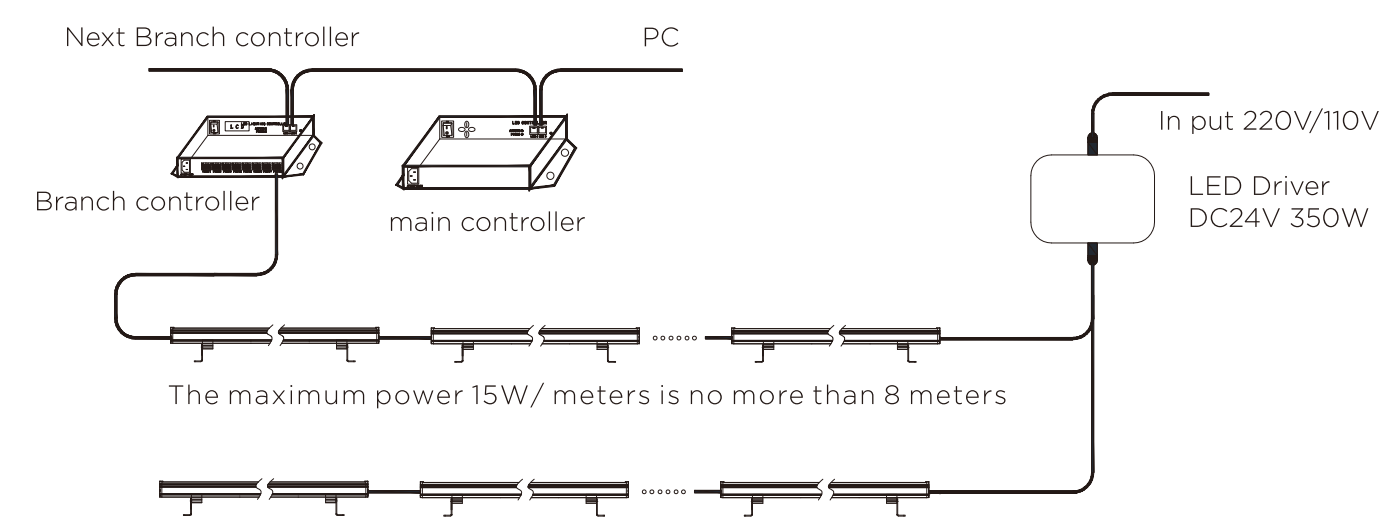


Installation instructions

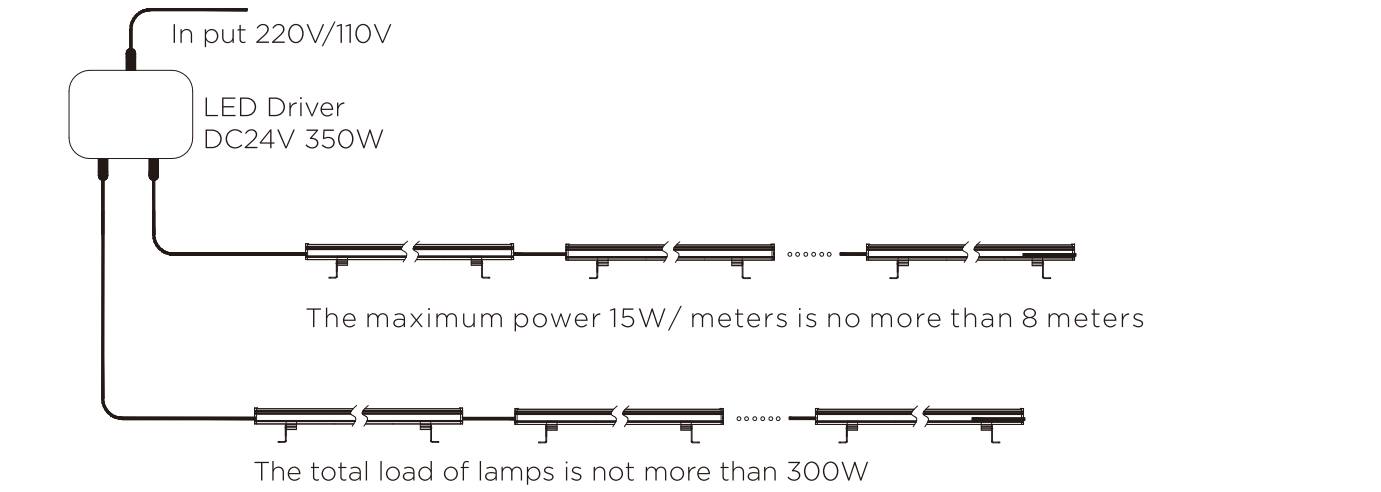


NLNLED409

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED

Procurement guidelines				
NLNLED	409	D	F	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection
N=NVC	409=409	D=DMX512	F=RGB	1=1m 10W
LN=Linear Light		S=SPI	W=white(3000K)	2=0.5m 5W
LED=LED LAMP		N=ON/OFF	R=red	3=0.3m 2.5W
			G=green	
			B=blue	
			Y=yellow	
			A=amber	





## Mirage Series

### Mirage Series

Equipped with the professional vertical wall washer lens which helps the product to have a uniform light, excellent glare proof function and no obviously shade(bright) light spot effects.

Concise and elegant design with anti UV static electricity surface spray treatment, enable the product to have a better weather fastness and excellent heat dissipation performance.

The product is up to IP65 and provided various options of light colours and control systems.

RGB lighting fixture series is compliant with the DMX512 control protocol standard and has automatic addressing system.

### Application areas

- Large glass curtain wall;
- Large pitch irregular display screen;
- Building surface;
- Upscale bars, stage background, large advertising signs.



NWWLED501



NWWLED502



NWWLED503



NWWLED504





NWWLED501



Photoelectric parameters

LED Type: Epistar SMD 3535 or Osram 3030  
working voltage: DC24V  
Rated power: 18W(1m)/9W(0.5m/ )6W(0.3m)  
24W(1m)/12W(0.5m/ )9W(0.3m)

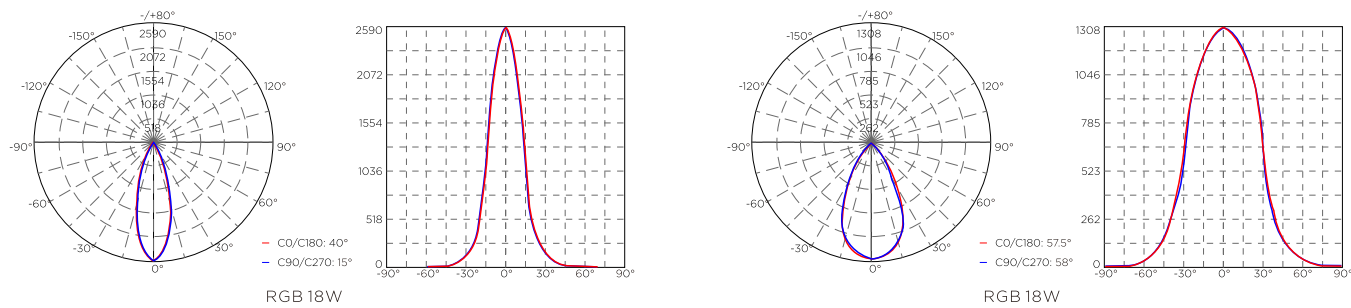
Control parameter

Material: Aluminum/Tempered glass/PMMA lens  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 2.2kg

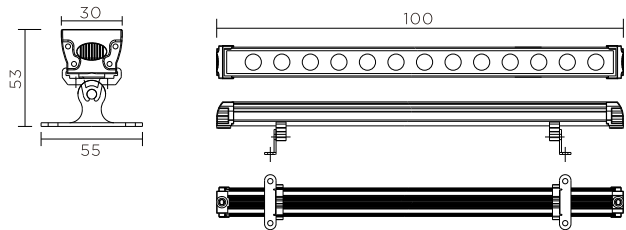
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

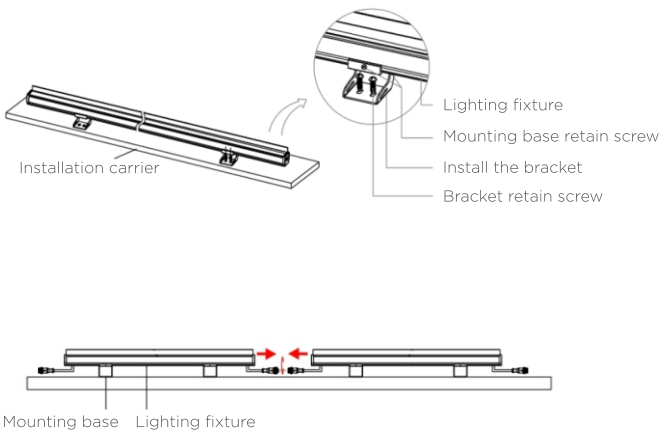
Photometric Date



Dimensional drawing

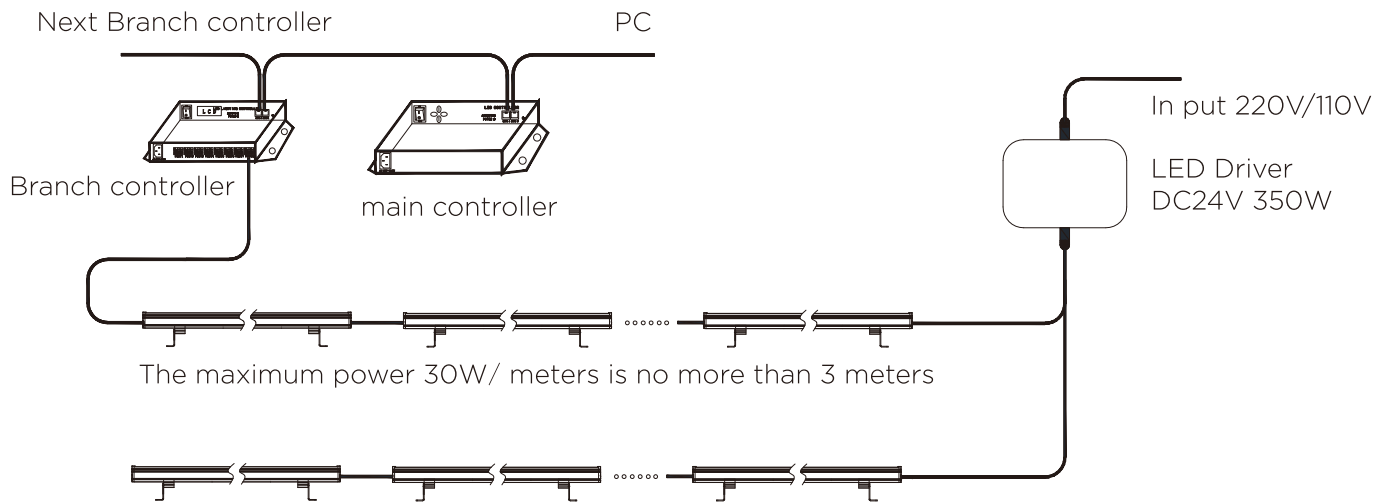


Installation instructions

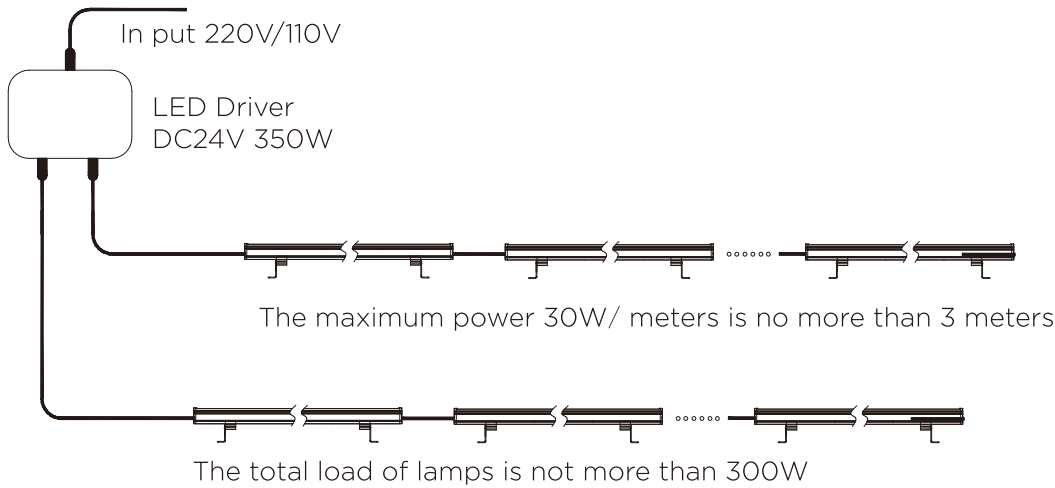


NLNLED501

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED , OSRAM LED, PHILIPS LED and NICHIA LED

Procurement guidelines					
NWWLED	501	D	F	1	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection	Beam angle
N=NVC	501=501	D=DMX512	F=RGB	1=1m 18W	1=15°
LN=Wall Washer Light		N=ON/OFF	W=white(3000K)	2=0.5m 9W	2=30°
LED=LED LAMP			R=red	3=0.3m 6W	3=45°
			G=green	4=1m 24W	4=60°
			B=blue	5=0.5m 12W	5=10°*60°
			Y=yellow	6=0.3m 9W	
			A=amber		





NWWLED502



Photoelectric parameters

LED Type: Epistar SMD 3535 or Osram 3030  
working voltage: DC24V  
Rated power: 36W(1m)/18W(0.5m/ )12W(0.3m)

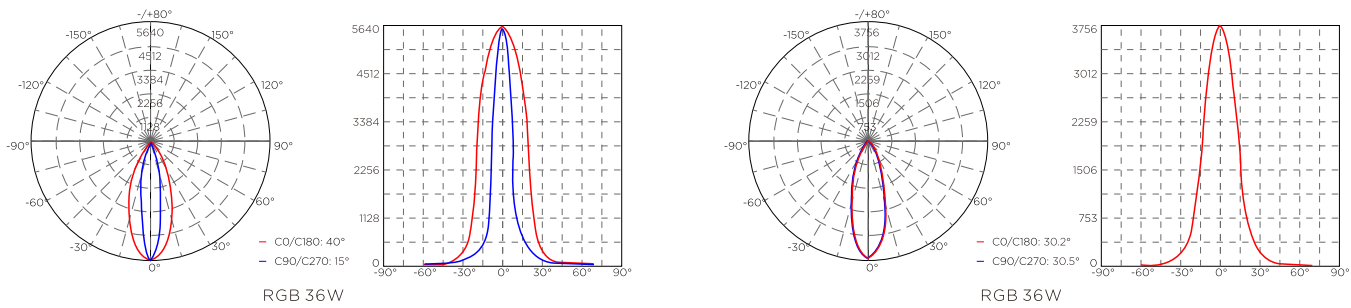
Control parameter

Material: Aluminum/Tempered glass/PMMA lens  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 2.8kg

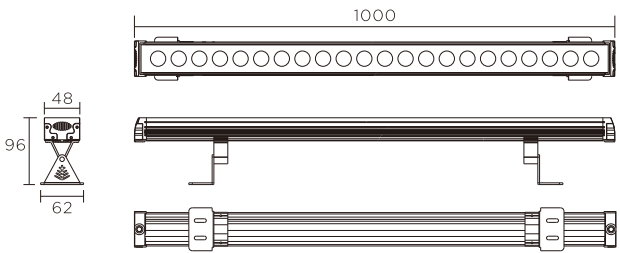
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

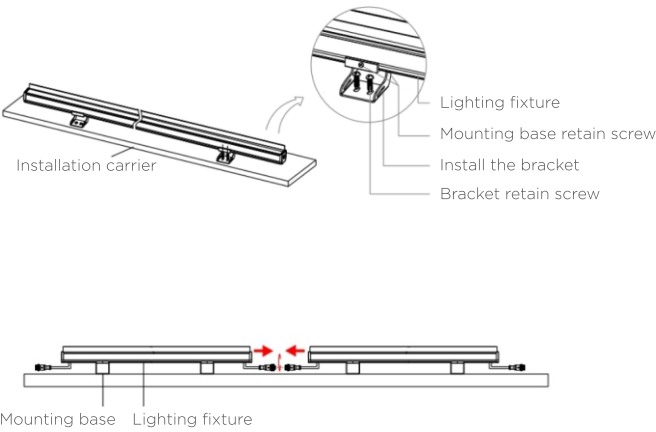
Photometric Date



Dimensional drawing

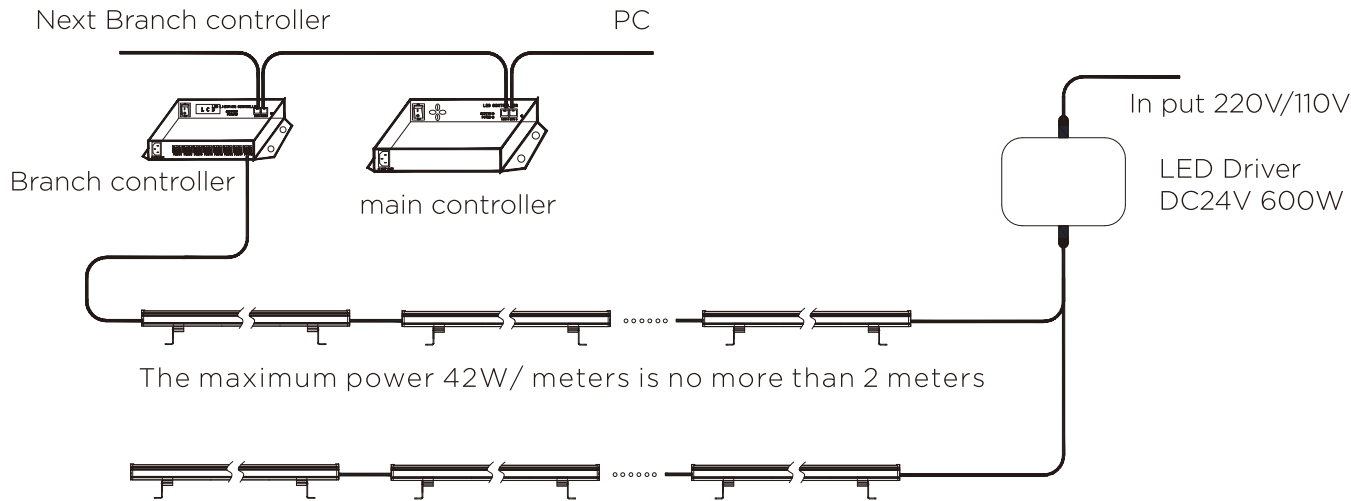


Installation instructions

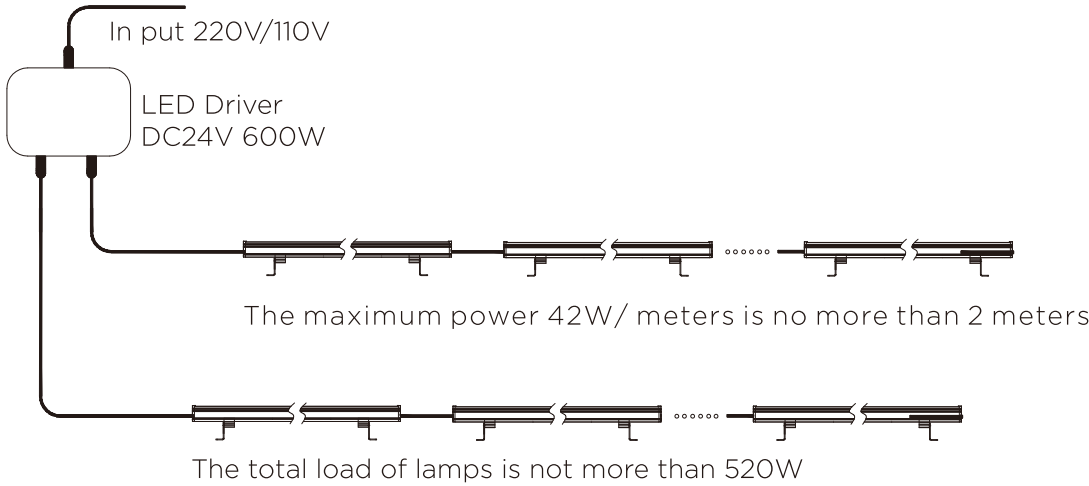


NWWLED502

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED , OSRAM LED, PHILIPS LED and NICHIA LED

Procurement guidelines					
NWWLED	502	D	F	1	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection	Beam angle
N=NVC	502=502	D=DMX512	F=RGB	1=1m 36W	1=15°
LN=Wall Washer Light		N=ON/OFF	W=white(3000K)	2=0.5m 18W	2=30°
LED=LED LAMP			R=red	3=0.3m 9W	3=45°
			G=green		4=60°
			B=blue		5=10°*60°
			Y=yellow		
			A=amber		



NWWLED503



Photoelectric parameters

LED Type: Epistar SMD 3535 or Osram 3030  
working voltage: DC24V  
Rated power: 48W(1m)/24W(0.5m/ )15W(0.3m)  
72W(1m)/36W(0.5m/ )23W(0.3m)

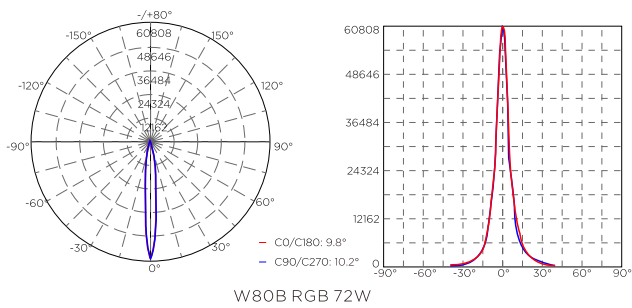
Control parameter

Material: Aluminum/Tempered glass/PMMA lens  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 3.5kg

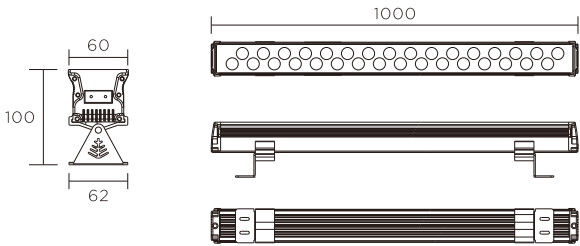
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

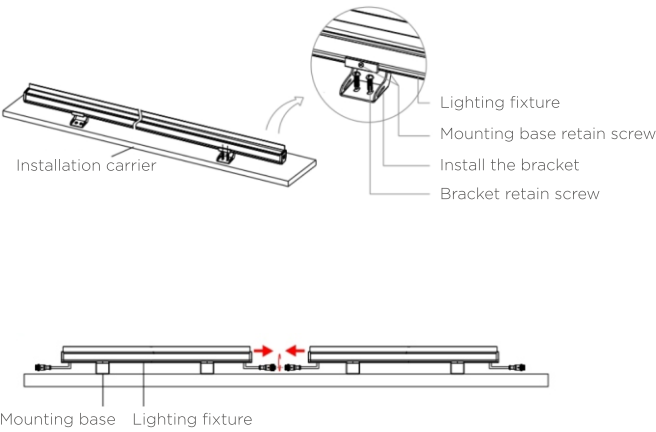
Photometric Date



Dimensional drawing

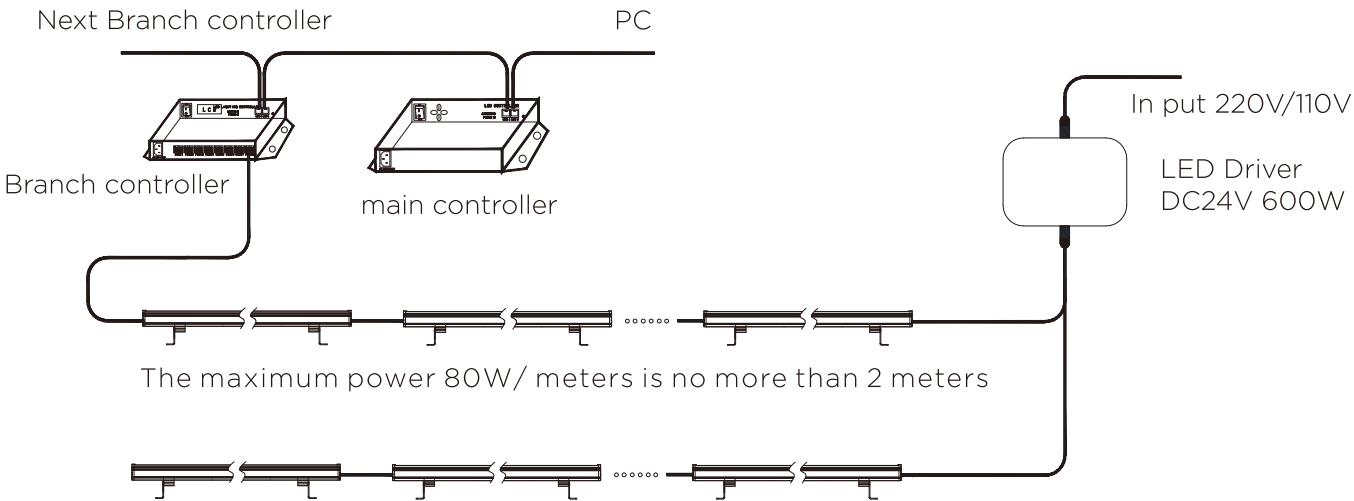


Installation instructions

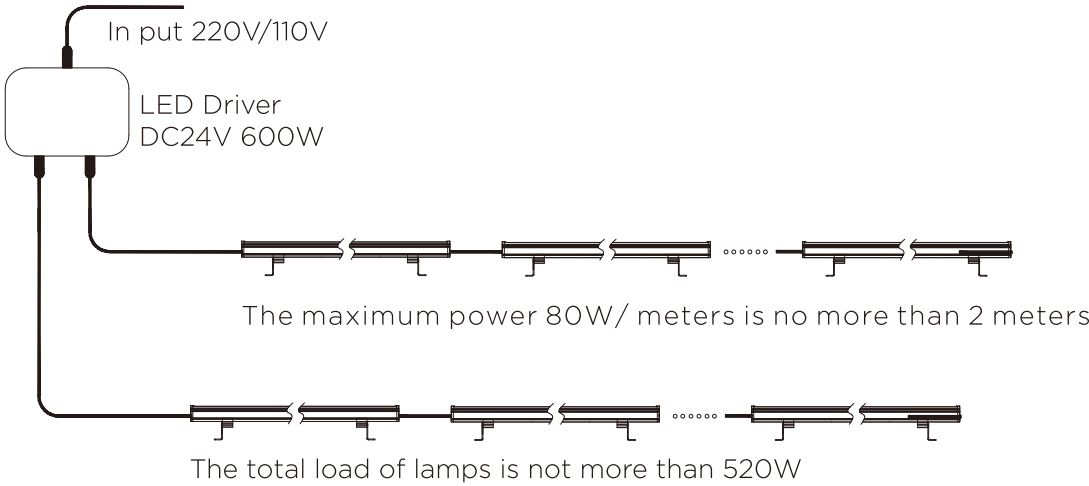


NWWLED503

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED , OSRAM LED, PHILIPS LED and NICHIA LED

Procurement guidelines					
NWWLED	504	D	F	1	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection	Beam angle
N=NVC	504=504	D=DMX512	F=RGB	1=1m 48W	1=15°
LN=Wall Washer Light		N=ON/OFF	W=white(3000K)	2=0.5m 24W	2=30°
LED=LED LAMP			R=red	3=0.3m 15W	3=45°
			G=green	1=1m 72W	4=60°
			B=blue	2=0.5m 36W	5=10°*60°
			Y=yellow	3=0.3m 23W	
			A=amber		





NWWLED504



Photoelectric parameters

LED Type: Epistar SMD 3535 or Osram 3030  
working voltage: DC24V  
Rated power: 36W(1m)/18W(0.5m)/12W(0.3m)  
24W(1m)/12W(0.5m)/9W(0.3m)  
18W(1m)/9W(0.5m)/6W(0.3m)

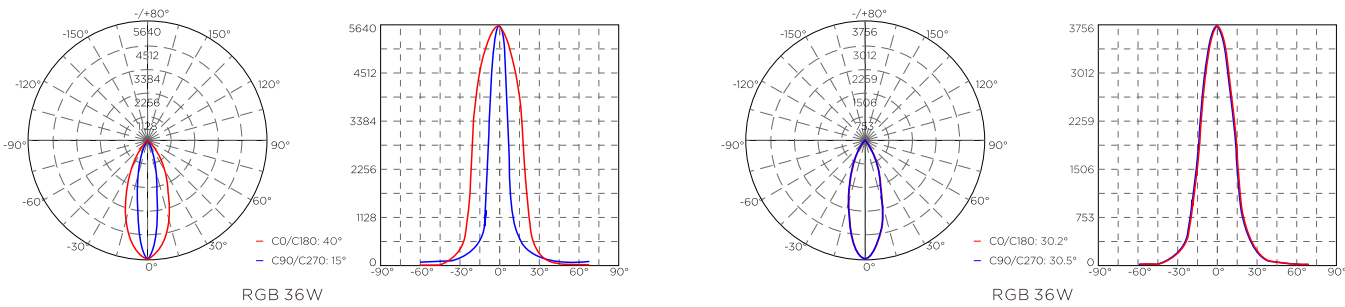
Control parameter

Material: Aluminum/Tempered glass/PMMA lens  
Surface finish: Anti UV spray coating  
Color: gray/9007  
Product weight: 3.5kg

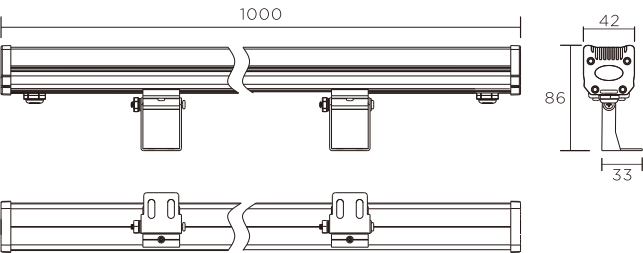
Environment parameters

Working temperature: -30° - 50°  
Storage temperature: -40° - 55°

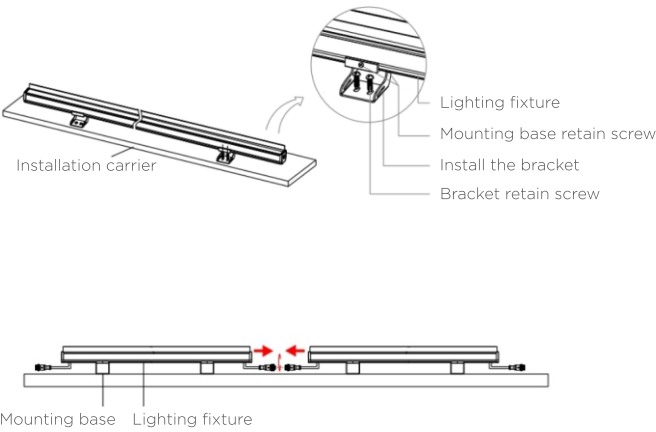
Photometric Date



Dimensional drawing

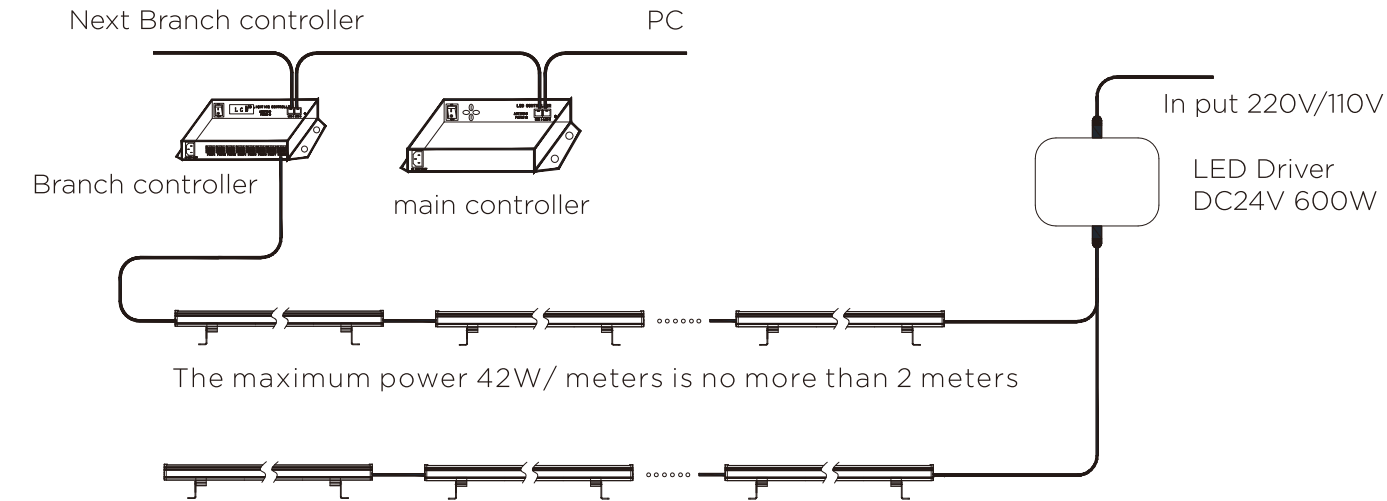


Installation instructions

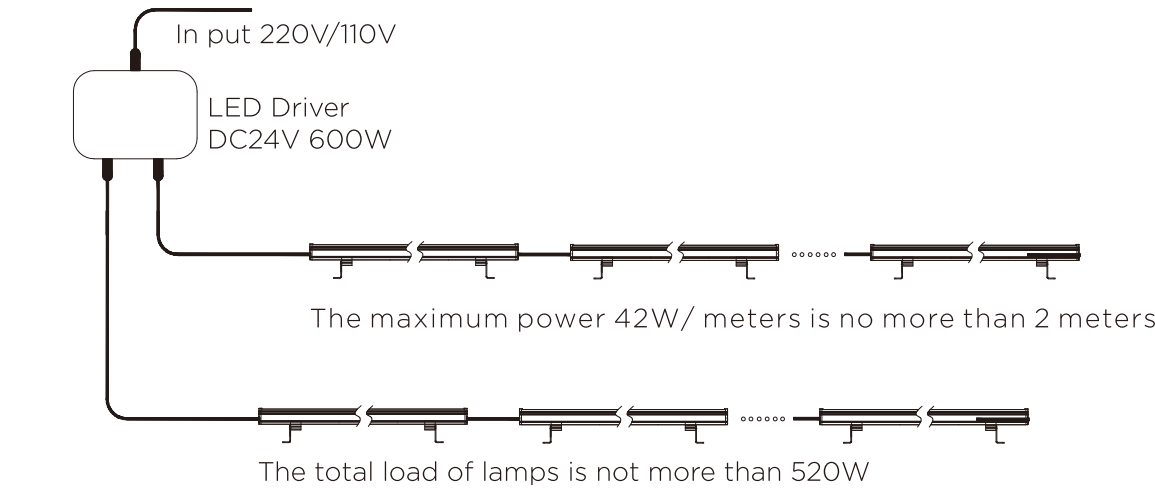


NWWLED504

Control connection drawings



- Artnet network data communication protocol based on DMX network, can receive data;
- The standard 1U bus structure, easy to install in the standard cabinet;
- DMX512 data output port provides 8 standard output, 8 x 512 data;
- Please use NVC products with NVC controller;



The product is also available for CREE LED , OSRAM LED, PHILIPS LED and NICHIA LED

Procurement guidelines					
NWWLED	504	D	F	1	1
PRODUCT ID	SERIAL NUMBER	CONTROL MODE	CTT	Length and power selection	Beam angle
N=NVC	504=504	D=DMX512	F=RGB	1=1m 36W	1=15°
LN=Wall Washer Light		N=ON/OFF	W=white(3000K)	2=0.5m 18W	2=30°
LED=LED LAMP			R=red	3=0.3m 12W	3=45°
			G=green	1=1m 24W	4=60°
			B=blue	2=0.5m 12W	5=10°*60°
			Y=yellow	3=0.3m 9W	
			A=amber	1=1m 18W	
				2=0.5m 9W	
				3=0.3m 6W	





## NCV LED LIGHTING CONTROLLER



NVC-MC001W



NVC-MC002G



NVC-MC003



NVC-MC004



NVC-MC005



NVC-SC001

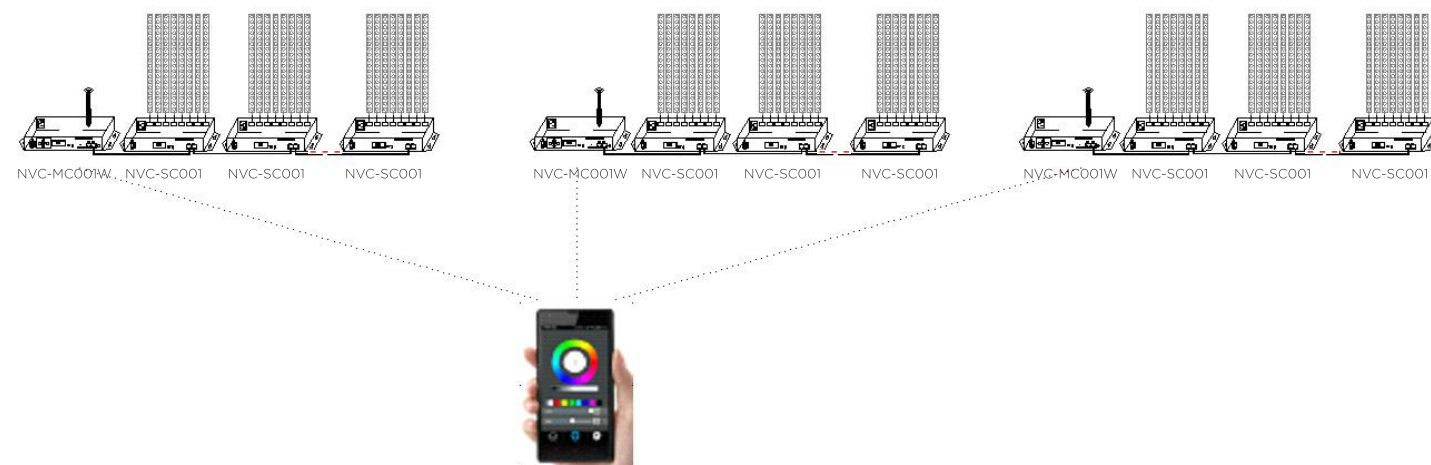


## NVC-MC001W

Multi-function WIFI Main Controller



### Control System Diagrams



### Specification

- Wireless remote control based on Android platform and wireless router
- Maximum controlling capacity of 150000 pixels,
- 32G SD card, up to 255 program files can be stored
- Using Ethernet interface and UDP network protocol transmission, the maximum transmission distance is 100 meters
- Dual backup, when a controller is broken or the cable is broken, the system continues to work properly.

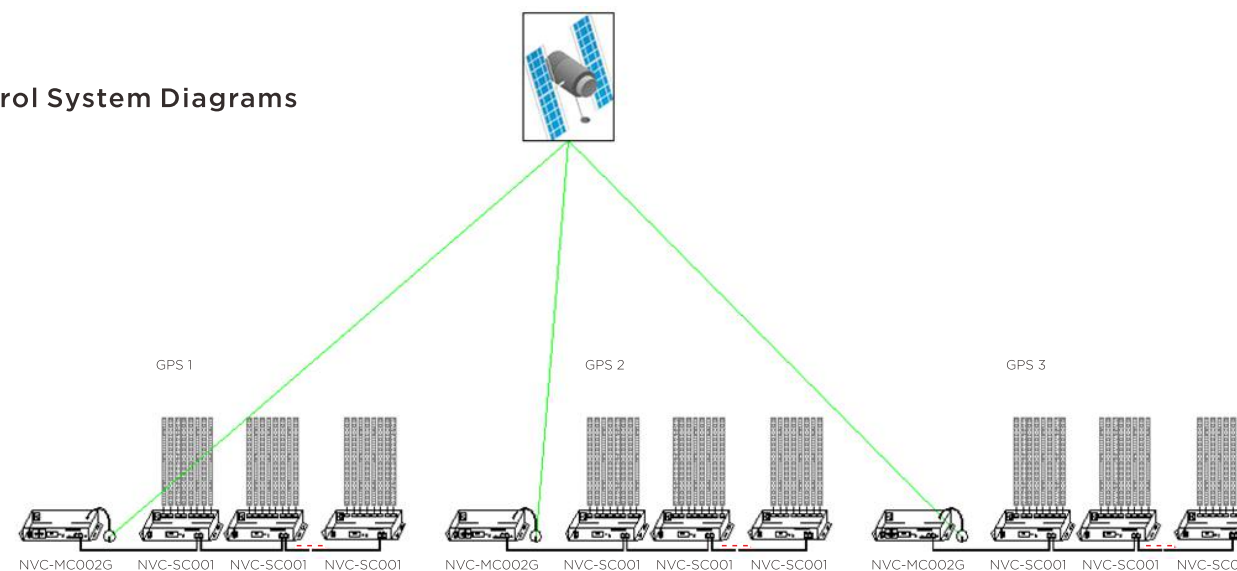
Model	Input	Power	Dimension (LXWXH)	Wifi Speed
NVC-MC001W	AC 100-240V	15W	290x140x190mm	50Mbps

## NVC-MC002G

GPS Satellite-Synchronizing Main Controller



### Control System Diagrams



### Specification

- Multiple controllers can be globally synchronized via satellite signal
- Maximum controlling capacity of 150000 pixels,
- 32G SD card, up to 99 program files can be stored
- Using Ethernet interface and UDP network protocol transmission, the maximum transmission distance is 100 meters
- Multiple controllers can be synchronized between buildings in the same time zone
- Dual backup, when a controller is broken or the cable is broken, the system continues to work properly.

Model	Input	Power	Dimension (LXWXH)
NVC-MC002G	AC 100-240V	15W	290x140x45mm

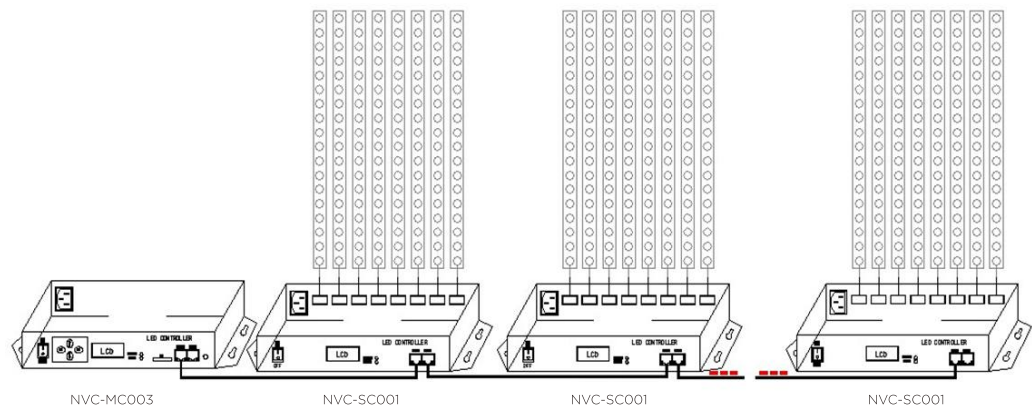


NVC-MC003

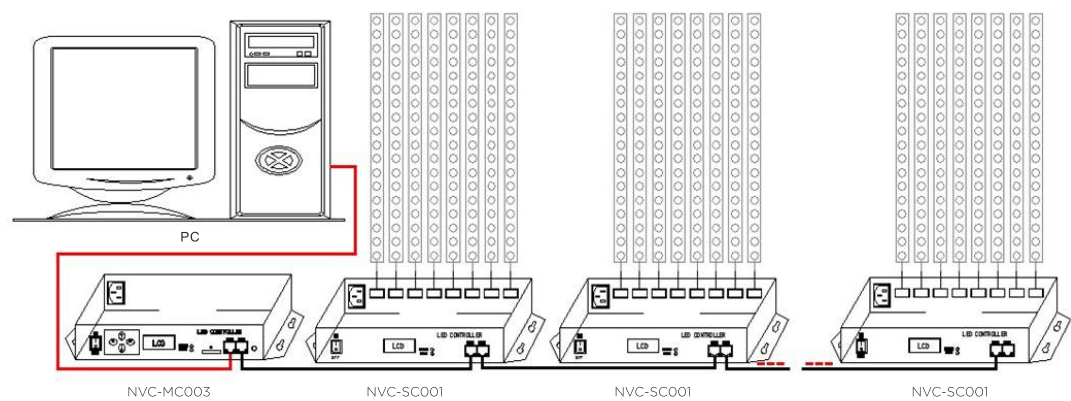
Main Controller



Control System Diagrams -Off line



Control System Diagrams -On line



Specification

- Maximum controlling capacity of 150000 pixels
- 32G SD card, up to 99 program files can be stored
- Using Ethernet interface and UDP network protocol transmission, the maximum transmission distance is 100 meters
- Dual backup, when a controller is broken or the cable is broken, the system continues to work properly.

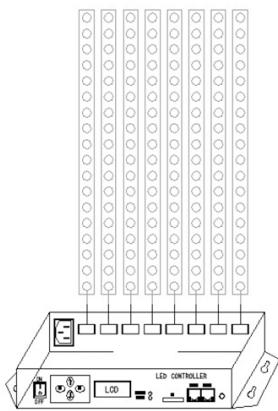
Model	Input	Power	Dimension (LXWXH)
NVC-MC003	AC 100-240V	15W	290x140x45mm

NVC-MC004

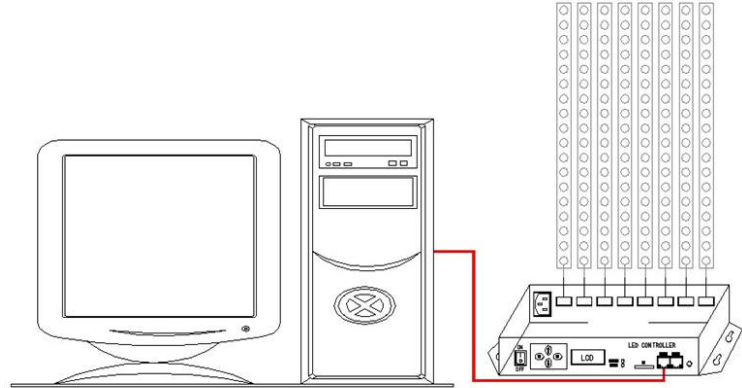
Integrated Main Controller



Control System Diagrams -Off line



Control System Diagrams -On line



Specification

- Maximum controlling capacity of 1360 pixels
- 32G SD card, up to 99 program files can be stored
- Compatible with both DMX512/1990 and extended DMX LED fixtures
- Runs on all current versions of windows. for older versions not supported by micosoft, please enquire with NVC first.
- Video maximum support 120 frame frequency
- Can be automatic, timed, and holiday mode playback

Model	Input	Power	Dimension (LXWXH)	Maximum pixels	Signal output	Signal output connector
NVC-MC004	AC 100-240V	15W	290x140x190mm	1360	8	RJ45



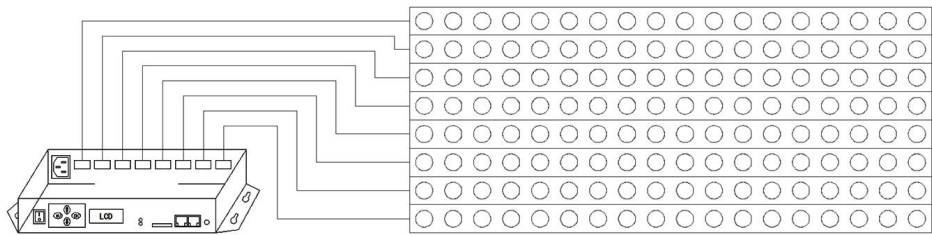


NVC-MC005

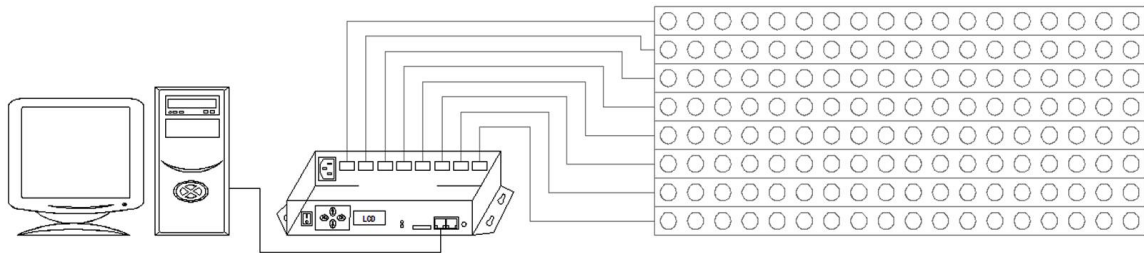
Integrated Main Controller



Control System Diagrams -Off line



Control System Diagrams -On line



Specification

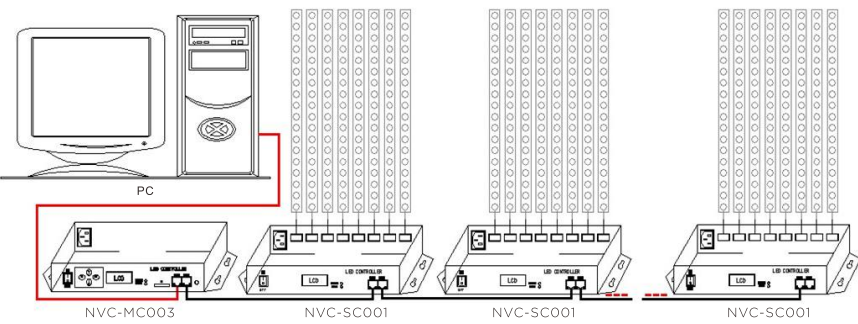
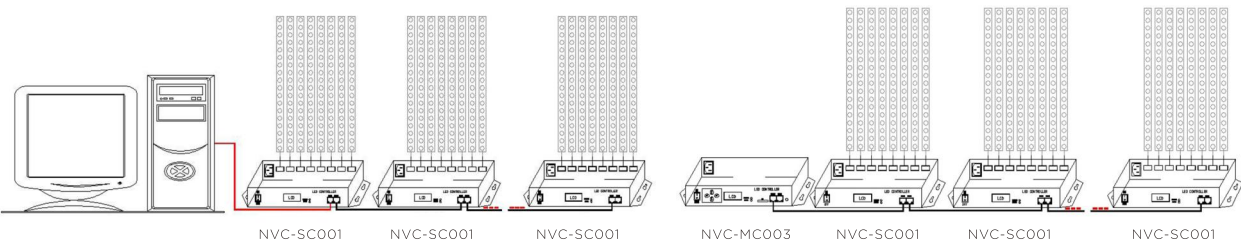
- Maximum controlling capacity of 1360 pixels
- 32G SD card, up to 99 program files can be stored
- Compatible with both DMX512/1990 and extended DMX LED fixtures
- Runs on all current versions of windows. for older versions not supported by micosoft, please enquire with NVC first.
- Video maximum support 120 frame frequency
- Can be automatic, timed, and holiday mode playback
- Compatible with R G B W four color LED fixtures, pure color

Model	Input	Power	Dimension (LXWXH)	Maximum pixels	Signal output	Signal output connector
NVC-MC005	AC 100-240V	15W	290x140x190mm	1360	8	RJ45



NVC-SC001

Sub-controller



Specification

- Maximum controlling capacity of 1360 pixels
- Using Ethernet interface and UDP network protocol transmission, the maximum transmission distance of 100 meters
- Compatible with both DMX512/1990 and extended DMX LED fixtures
- Runs on all current versions of windows. for older versions not supported by micosoft, please enquire with NVC first.
- Video maximum support 120 frame frequency

Model	Input	Power	Dimension (LXWXH)	Maximum pixels	Signal output	Signal output connector
NVC-SC001	AC 100-240V	15W	290x140x435mm	1360	8	RJ45



# IP Rating

Luminaires are rated according to their resistance to the ingress of both liquids and solids by the code defining their Index of Protection (explained below)-often known as an “IP” Rating which you will find next to every product in this catalogue.

## IP Ratings Explained

### “IP” (“Ingress Protection”) Rating

- First Digit**  
Protection against ingress of foreign bodies e.g. tools, dust, fingers, etc.
- Second Digit**  
Protection against ingress of liquids

Foreign Bodies First Digit		Liquids Second Digit	
IP0 <sub>X</sub>	No-protection	IPX0	No-protection
IP1 <sub>X</sub>	Protected against solid objects greater than 50mm (e.g. accidental touch by hands)	IPX1	Protected against vertically falling drops of water (e.g. condensation)
IP2 <sub>X</sub>	Protected against solid objects up to 12mm (e.g. fingers)	IPX2	Protected against direct sprays of water up to 15 degrees from vertical
IP3 <sub>X</sub>	Protected against solid objects greater than 2.5mm (e.g. tools and wires)	IPX3	Protected against direct sprays of water up to 60 degrees from vertical
IP4 <sub>X</sub>	Protected against solid objects greater than 1mm (e.g. small tools and wires)	IPX4	Protected against water sprays from all directions-limited ingress permitted
IP5 <sub>X</sub>	Protected against dust,limited ingress (e.g.no harmful deposit)	IPX5	Protected against low pressure jets of water from all directions-limited ingress permitted
IP6 <sub>X</sub>	Totally protected against dust	IPX6	Protected against high pressure jets of water (use on ship deck)-limited ingress permitted
		IPX7	Protected against the effects of immersion between 15cm and 1m
		IPX8	Protected against long periods of immersion under pressure

## LAYING CABLE

Laying electrical cables in the ground may be subject to specific regulations. The aim is to ensure that the cables are buried deeply enough in the ground to avoid any disturbances. Where armoured cables can be buried at adequate depth to avoid being damaged by any reasonable foreseeable disturbance of the ground, they can be laid in a buffer layer of sand and covered with cable warming tape. Where it is not possible to bury the cables deeply enough because of the presence of tree roots or unsuitable ground conditions, extra mechanical protection around the cables will be required. This is usually in the form of plastic ducts or conduits through which the cables are run.

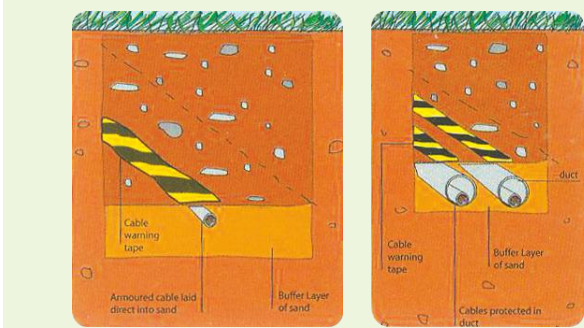
## POSITIONING AND ACCESSIBILITY

Future accessibility must be taken into consideration when selecting and installing your outside luminaire. Access to the luminaire for lamp replacement or maintenance must be available throughout its life. You must ensure that it is safe and easy to get to the luminaire by either making it easy to remove from its location or locating it in an easily accessible position.

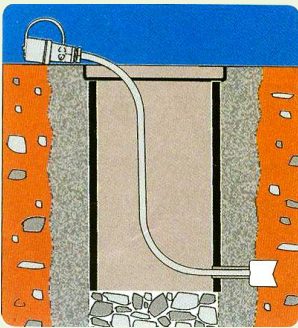
### Key points to help access to the luminaire:

- Make the power cable connection to the product an IP rated plug and socket so that the luminaire can be easily removed for maintenance and then quickly re-installed.
- Always leave sufficient extra cable within the base of recessed ground products for un-restricted access.

## CABLE PROTECTION



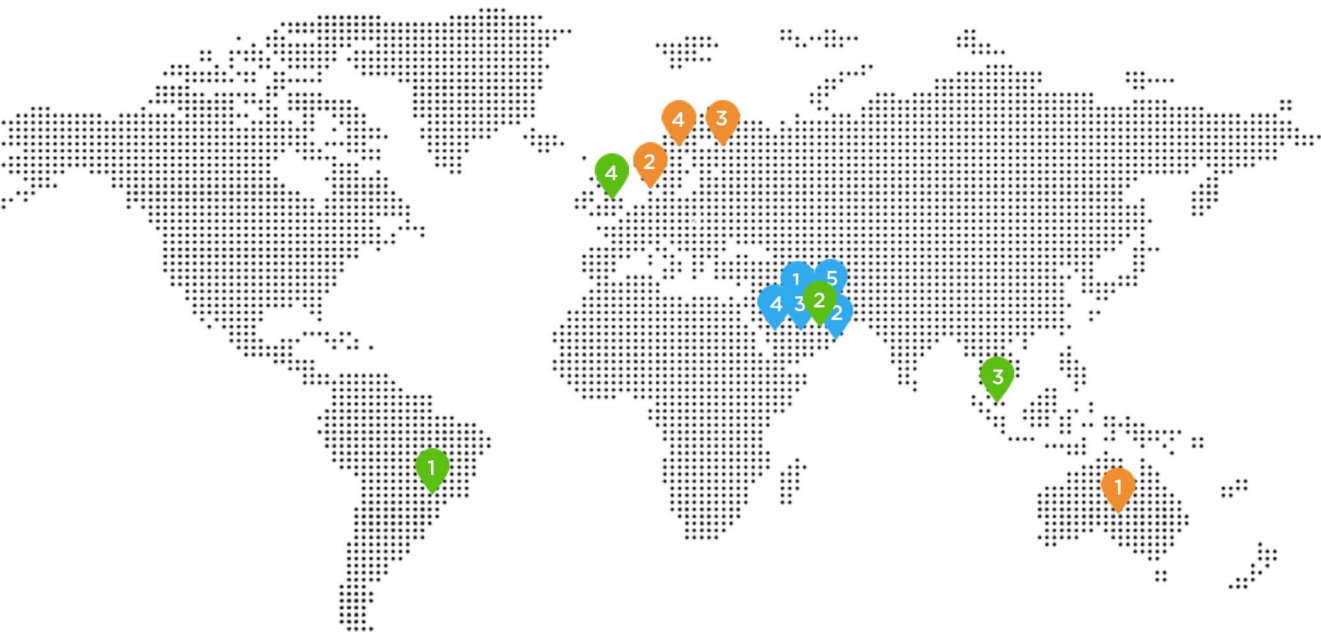
## RECESSED GROUND INSTALLATION







Our sales & support network



- Regional office

1

Brazil

2

Middle East

3

Singapore

4

UK
- Local office

1

Kuwait

2

Oman

3

Qatar

4

Saudi Arabia

5

U.A.E
- Distributor

1

Australia

2

Denmark

3

Finland

4

Sweden

Contact Details

Regional office

**Brazil**

NVC Lighting Do Brasil Comercio, Importação E Exportação Ltda, Sao Paulo, Brazil  
Add: Avenida dom jaime de Barros camara, 820 Planalto -são Bernardo Do Campo/SP-CEP 09895-400  
CNPJ: 19.356.978/0001-19  
TEL:+55 11 43438645  
Web:www.nvc-lighting.com.br

**U.A.E**

NVC Lighting Middle East FZE  
(Responsible for GCC countries: Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, U.A.E.)  
Add: PO Box 342146, Techno Hub 2, Dubai Silicon Oasis, Dubai, United Arab Emirates  
M: +971-(0)502734079  
Attn: Mr. James Hunter JOHNSTON  
Email: James.hunterjohnston@nvc-lighting.com

**Singapore**

NVC Lighting & Electrical Technology (Singapore) Private Limited.  
(Responsible for Southeast Asia, East Europe, South America, Africa, CIS, etc.)  
Add: 3, Ang Mo Kio Street 62 Link @ AMK, #01-32, Singapore 569139  
Tel: +65-64937388  
Mob : +65-8268 8412  
Fax: +65-64937390  
Attn: Mr. MenSun SIM  
Email: Mensun.sim@nvc-lighting.com

Local office

**Kuwait**

NVC LIGHTING FOR ELECTRICAL EQUIPMENT & MACHINES TRADING AND CONTRACTING COMPANY WLL  
Add: Tunis Street, Madar Complex, Opposite to Rehab Complex, Ground floor, Hawally, Kuwait  
Tel: +965-67687278; +965-65051573  
Attn: Ms. Regina TU/Mr. Raymond CHANG

**Qatar**

New Vision China Lighting W.L.L  
Add: Building 03,NO.29,Barwa Village,Doha. Qatar  
Tel: +974-44151527  
Fax: +974-44151528  
Attn: Mr. Dillon ZHANG

**Saudi Arabia**

**Dammam**  
AL EIN AL Jadidah Est.  
Add: Prince Mohammed bin Fahd Street (First Street) cross King Abdulaziz Street, Al Mazroia Area, P. O. Box 2728, Dammam 32414, Kingdom of Saudi Arabia  
Tel: +966-(0)138311166  
Fax: +966-(0)138319933  
Mob.: +966-549930776  
Attn: Mr. Dio HO

Distributor

**Australia**

Sunny Australia Lighting  
Add: Unit 1, 40 Biloela ST, Villawood, NSW 2163,Australia  
Tel: +61-(2)97233099  
Fax: +61-(2)97241899  
Attn: Mr. Rex LEE

**Finland**

NVC Lighting AB  
<http://www.nvc-lighting.se/>  
Add: Hammarby Kajgata 12, 120 30 Stockholm, Sweden  
Tel: +46-87355540  
Mob: + 46-705882145  
Attn: Mr. Thomas KJELLBERG

For Southeast Asia, East Europe, South America, Africa and the CIS, please contact our Singapore regional office.

**UK**

NVC Lighting Ltd.  
Add: NVC Park 201 Hollymoor Way, Rubery, Birmingham B31 5HE UK  
Tel: +44-1214576340  
Fax: +44-1214531325  
Web: www.nvcuk.com

**Oman**

West Asia For Lightings NVC LLC  
Add: Shop No. 1, Building No.33,Block No. 29SE,Plot No. 153, wAY s238,Ghubra,Muscat, Oman 999046  
Tel: +968-22021282  
Mob: +968-92431682  
Attn: Mr. Owen ZHU

**Saudi Arabia**

**Riyadh**  
AL EIN AL Jadidah Est.  
Add: P.O.Box 220970, Riyadh 11311,# 53, (Next to Bank Al Rajhi), Prince Abdulmohsen Street, Al Malaz, Riyadh, Kingdom of Saudi Arabia  
Tel: +966-(0)114776622  
Fax: +966-(0)114771185  
Mob.: +966-550766878  
Attn: Mr. Norbert YAN

**U.A.E**

New Vision Concept Lighting LLC  
Add:P.O.BOX 94668 Abu Dhabi,U.A.E  
Tel: +971-26773188  
Fax: +971-26773190  
Mob: +971-528622678  
Attn: Mr. Ford LIU  
Shownroom 1: Mina&10th StreetIntersection,P.O.BOX 94668, Abu Dhabi, U.A.E  
Showroom 2: Al Barsha 1, Umm Suqeim road, Dubai, U.A.E

**Denmark**

NVC LED Lighting Aps  
<Http://www.nvc-lighting.dk>  
Add: Viborgvei 221, 7840 Hojslev, Denmark  
Tel: +45-71995071  
Mob: +47-71995073  
Attn: Mr. Ivan TUNIC

**Sweden**

NVC Lighting AB  
<http://www.nvc-lighting.se/>  
Add: Hammarby Kajgata 12, 120 30 Stockholm, Sweden  
Tel: +46-87355540  
Mob: + 46-705882145  
Attn: Mr. Thomas KJELLBERG