NERI

Aten collection

60
countries

300+
custom projects / year

200
product designers
we collaborated with

500+
performance tests
on lighting fixtures
and sources/year

30
products UL and ENEC
fully certified in-house

200+
patents obtained

Neri SpA is an Italian manufacturer of urban lighting and furniture. Founded in 1962 by Domenico Neri, the company is today led by the third generation of the family. The firm is best known for its urban décor culture and its unrivaled archive of products, which can be found in cities around the world, from Venice to Dubai and from New York to New Delhi.

OUR RANGE

Neri offers three product categories designed to improve and enhance our surroundings: lighting, street furniture and structures.

Unique families of products are designed to speak the same aesthetic across all three categories allowing for a cohesive and harmonious site plan. Neri offers both the Contemporary range, conceived with prestigious designers, as well as the Heritage range derived from the experience and classical tradition of our town and city centres. In addition to the collection in our catalogues, company know-how and experience allow Neri to work with designers on product modifications, customized design services and restoration, reproduction and preservation of historical elements that have been enhancing our cities throughout the centuries.

Las Vegas – US

Modena – IT

Longiano – IT

Houston – US

Chicago – US

Montecarlo – MC

Cities, spaces, parks and squares are not identical entities and one-size-fits-all solutions cannot be applied to them. Each place has its own history, a particular experience, its own identity.

Our in-house team provides targeted responses to incoming requests from clients and communities; it is a resource fully dedicated to planners, architects, project managers and lighting designers who are enabled to directly and fully tap into our know-how and technology, obtaining maximum benefit in terms of control over the evolution of their projects.

Porto S. Elpidio – IT

Canazei – IT

Cesena – IT

Grado – IT

Abu Dhabi – AE

Treviso – IT

OUR LABORATORIES

- Lighting projects testing
- Visual comfort
- Light quality
- Salt spray
- IP
- IK
- Duration
- Heating
- Goniophotometer
- Integrating sphere

Our laboratories, a distinctive asset of the company where a passionate team of technicians and engineers work together intensely, simulate and exacerbate the environments in which the products will be placed, measuring their behaviour and effects.

Each component is subjected to several tests that reproduce the effects of dozens of years of operation of structures and devices in the space of just a few hours. Tests concern lighting devices, light sources and surface coverings.

Light room. The environment similar to a street allows a real installation to be simulated with characteristics of spacing between the lamp posts and street geometry proportions. These are characteristics that permit the assessment of the lighting's effect on the ground, thanks in part to a porous surface like that of asphalt. During the simulations, you can walk through the lighting project and see the result with your own eyes. From this layout, you can appreciate the coincidence between the calculation made (spot and isolux) and the actual situation.

The installation of luminaires on posts, with determined spacing between them, allows assessment of the visual comfort provided by optical systems.

This data is barely deducible through the usual lighting simulations or calculations, but it is never fully perceived except through a real experience. In fact, the eye is the only instrument available to assess the actual comfort of a lighting source.

The quality of the light can be measured in the laboratory, the actual perception of the light colour is definitely the most accurate. LED lights in particular are sources that have a significant light colour difference upon variation of the angle of emission. Surprises could therefore be encountered in terms of how the LED light sources appear on ground areas with different colour shades: some areas more blue and others more green. This visual test allows to assess and select the ideal light sources and optical system.

Salt spray. Resistance to corrosion in neutral salt spray is a performance test related to surface treatments. Paints and other types of protective surface treatments are subjected to tests to determine resistance to corrosion through ageing in neutral salt spray in accordance with standard ISO 9227.

IP. This is a safety and performance test related to the luminaire housings. The purpose is to determine the grade of resistance to water infiltration. The reference standards are EN60598-2-3 and EN60598-1.

IK. This is a performance test related to the luminaire housings. The purpose is to determine the grade of resistance to external mechanical impact. The reference standard is EN62262.

Duration. This is a safety test on the luminaires to determine resistance to cyclic heating and cooling in operating conditions. The test takes place in an environment that is constantly climate controlled at 35°C. The purpose is to ensure that the characteristics of the luminaire do not change over time. The reference standards are EN60598-2-3 and EN60598-1.

Heating. This is a safety test on the luminaires. It carries out a check on the reaching of critical temperatures for safety during normal and abnormal operation. The lighting devices are subjected to a test to check thermal, mechanical and electrical safety in accordance with the specifications set forth in the harmonised product standards with respect to LVD directive, EN 60598-2-3 and EN 60598-1.

Goniophotometer. This consists in a performance test on luminaires and light sources. The performance, optical rendering (LOR [%]), effectiveness (μ [lm/W]) and distribution of luminous intensity, is determined by means of a mirror goniophotometer in conformity to standards EN 13032-1 and EN 13032-4.

Integrating sphere. This is a performance test on luminaires and light sources. The performance tests on the bulbs and LED modules (deterioration of the luminous flow, effectiveness and chromatic characteristics) are carried out here. The room that contains the spectrum radiometer, capable of detecting the colorimetric characteristics of the light sources, is climate controlled, but without the temperature control.

GOA, INDIA
ATAL SETU BRIDGE

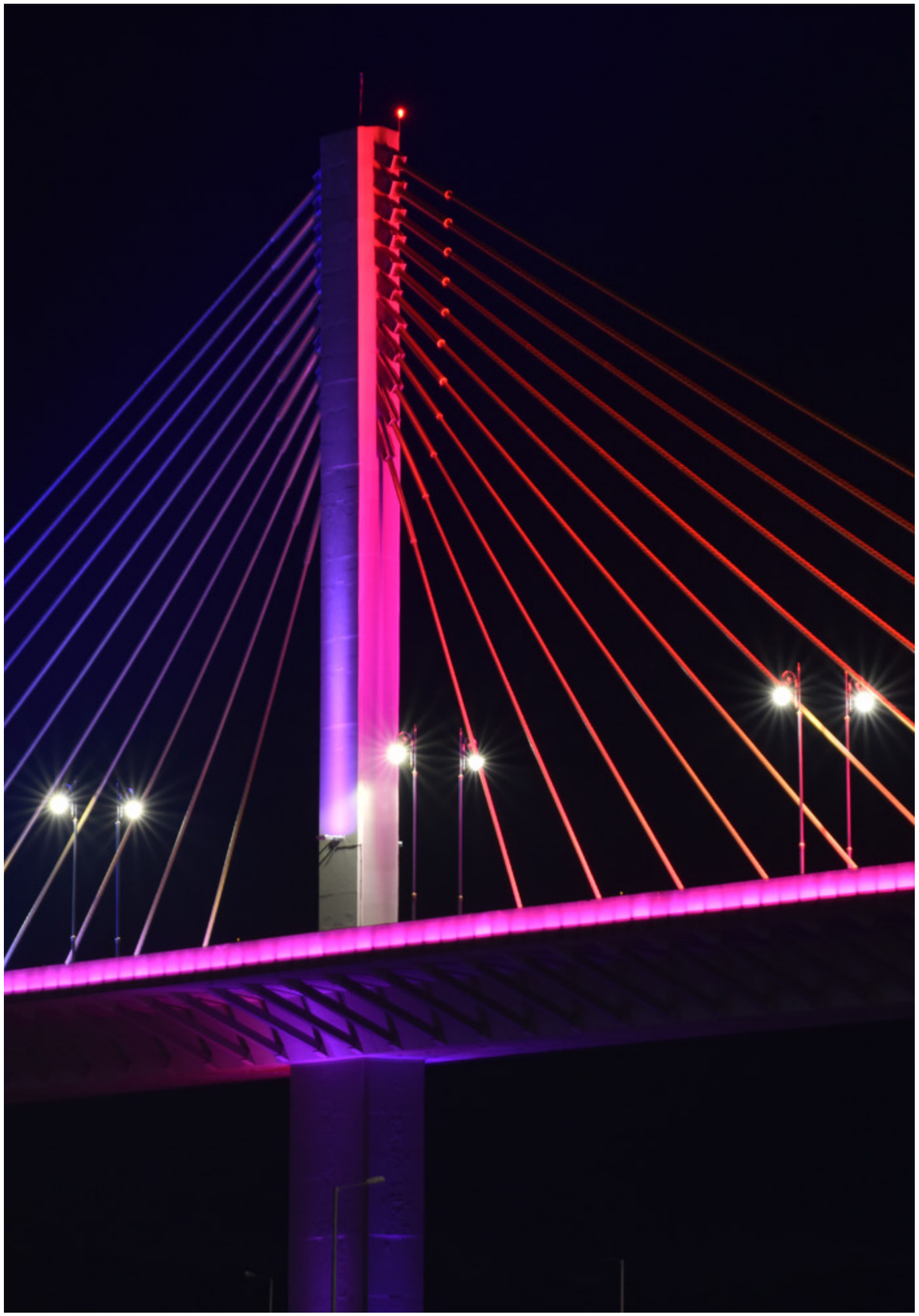
Façade lighting
Case study

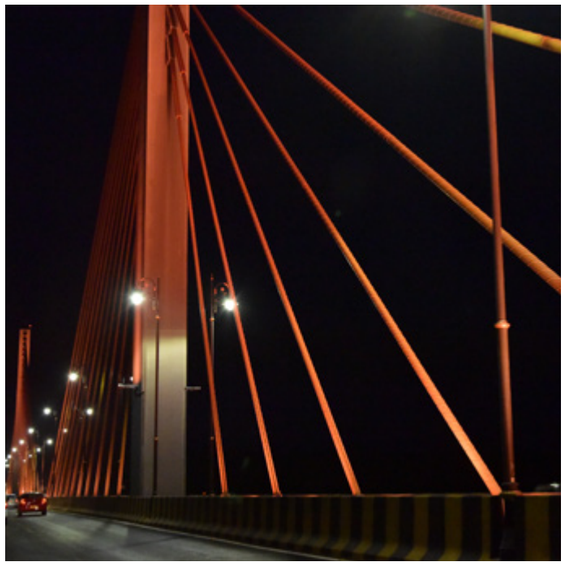
Atal Setu is a 5.1 kilometer long, cable-stayed bridge that spans the Mandovi river, connecting Panjim and Porvorim. It is the third longest cable-stayed bridge in India, stands 30 meters above the river's surface and has been specifically designed to cope with the increasing traffic between North and South Goa.

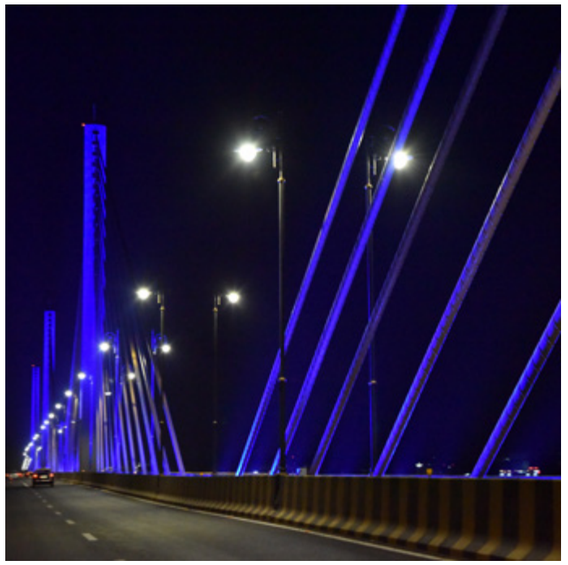
The bridge was designed by Canadian consultant McElhanney Consulting Services Ltd. (formerly Infinity Engineering Ltd.), project consultants were TPF Engineering Pvt Ltd, whilst responsible for executing the project was Fluid And Power Automations LLP.

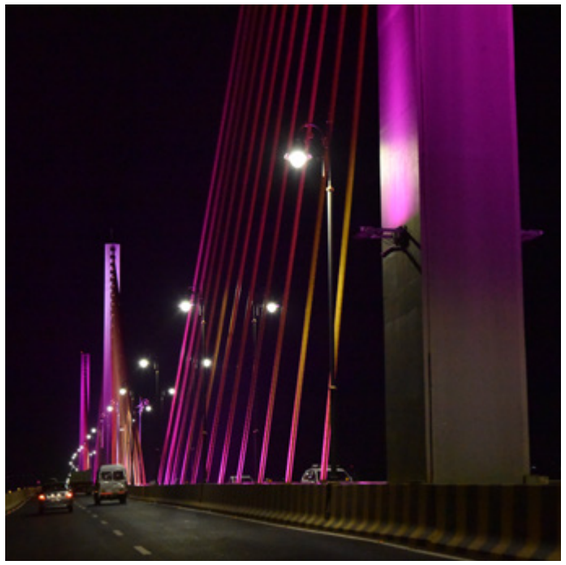
Neri supplied the lighting fixtures chosen to illuminate the bridge, which are all IP66 and IK08 compliant with a strength of 120 watts, designed to achieve AVG 40 lux with 100000 burning hours.

The LED selected by the designers operate in a linear motion generating a very smooth colour transition. To guarantee proper lighting synchronization, RGB fixtures on ropes, top and bottom pylons and sides are controlled by one central DMX driver.







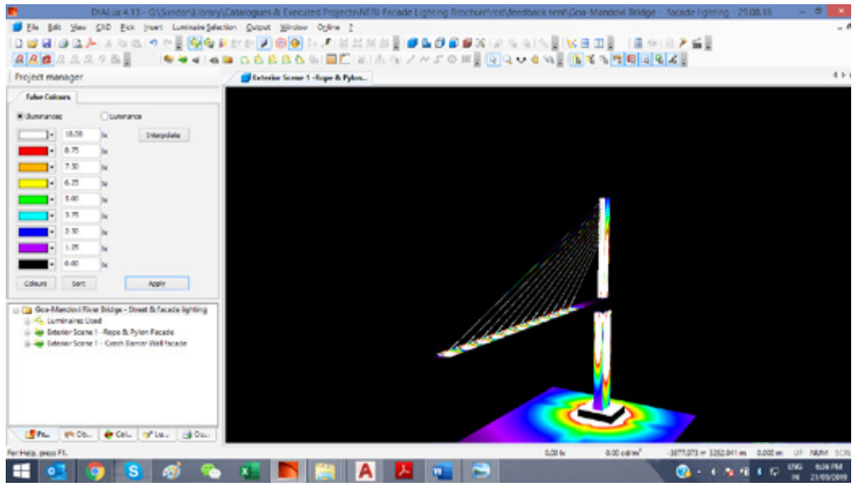


Atal Setu bridge has 88 high tensile strength cables in the state-of-art single place harp type cable stay system, and a real-time force monitoring mechanism.

The link will decongest Panaji to a great extent, as approximately 66,000 vehicles enter the capital city every day.

INTEGRATED SOLUTION

In response to the client's request
for a series of attractive and dynamic
spaces - The in-house team of designers
conceived unique lighting solution
using state of the art designing tools.
The result is the integrated solution
through the use of Neri range of
projector lights and wall washers.



Lighting plays a vital role in the way architecture is perceived and understood; it is the medium that allows to see and appreciate the beauty in our surroundings.

Neri presents Aten, a series of LED façade lighting fixtures to make your building a notable landmark through illumination.

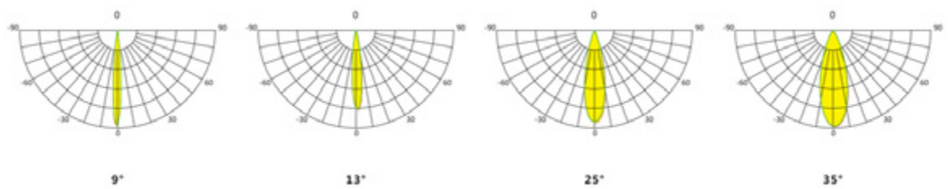
PROJECTORS

NPL-3-9
NPL-3-18
NPL-3-54

Mounting: surface mounting,
equipped with special bracket,
for a 180 degree rotation
Material: high pressure die-cast
aluminium body
Finish: RAL9023
Category: performance
Screen: toughened glass

Source: LED with maximum system
flux 15,000lm
Optics system: multilayer PC lenses
Power supply: dimmable electronic
power supplywith DMX 512 interface
Protections: short circuit, over-
temperature and over-voltages

Product name	NPL-3-9	NPL-3-18	NPL-3-54
LED	9	18	54
Power	22W / 23W	42W	120W
Voltage	AC100-277V 50/60Hz	AC100-277V 50/60Hz	AC100-277V 50/60Hz
Control	ON-OFF / DMX512	ON-OFF/DMX512	ON-OFF/DMX512
Colour temperature	SINGLE / RGB	SINGLE / RGB	SINGLE / RGBW
Luminous flux	1566lm / 705lm	3132lm / 1354lm	9396lm / 5016lm
Colour Rendering Index	W >80	W >80	W >80
Beam angle	9°/13°/25°/35°	9°/13°/25°/35°	9°/13°/25°/35°
Temperature of working conditions	-30 – +50°C	-30 – +50°C	-30 – +50°C
Humidity of working conditions	10-90%	10-90%	10-90%
LED lifetime	>70000h	>70000h	>70000h
Protection grade	IP66	IP66	IP66
Net weight	1.92 Kgs	2.02 Kgs	10.1 Kgs



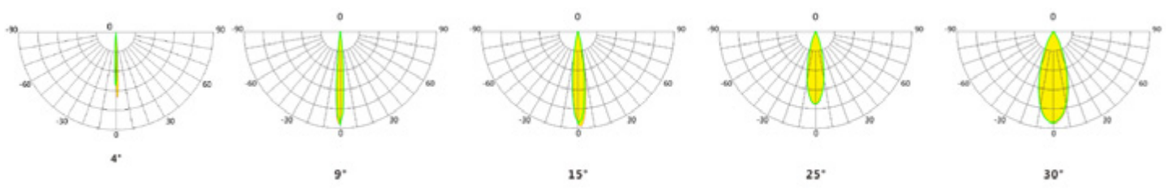
LARGE PROJECTORS

NFL-5-126
NFL-5-252
NFL-5-132

Mounting: surface mounting,
equipped withspecial bracket,
for a 180 degree rotation
Material: high pressure die-cast
aluminium body
Finish: RAL9003
Category: performance
Screen: toughened glass

Source: LED with maximum system
flux 44,000lm
Optics system: multilayer PC lenses
Power supply: dimmable electronic
power supply with DMX 512 interface
Protections: short circuit over-
temperature and over-voltages

Product name	NFL-5-126	NFL-5-132	NFL-5-252
LED	126	132	252
Power	290W / 285W	400 W	580W / 570W
Voltage	AC100-277V 50/60Hz	AC100-277V 50/60Hz	AC100-277V 50/60Hz
Control	ON-OFF / DMX512	ON-OFF / DMX512	ON-OFF / DMX512
Colour temperature	SINGLE / RGBW	SINGLE / RGBW	SINGLE / RGBW
Luminous flux	21900lm / 12150lm	23560lm / 14000lm	43840lm / 24320lm
Colour Rendering Index	W >80	W >80	W >80
Beam angle	9°/15°/25°/30°	4°	9°/15°/25°/30°
Temperature of working conditions	-30 – +50°C	-30 – +50°C	-30 – +50°C
Humidity of working conditions	10-90%	10-90%	10-90%
LED lifetime	>70000h	>70000h	>70000h
Protection grade	IP66	IP66	IP66
Net weight	17.5 Kgs	30 Kgs	32.8 Kgs

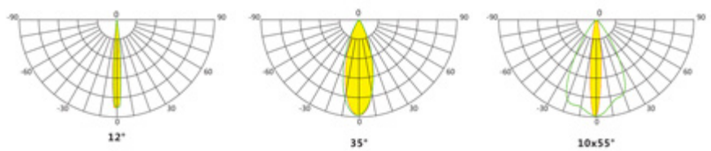


LINEAR WALL WASHER

NWWL-7-12
NWWL-7-18
NWWL-7-24

Mounting: surface mounting, equipped with special bracket, for angular adjustment
Material: high pressure die-cast aluminium body
Finish: RAL 7040
Category: performance
Screen: toughened glass
Source: LED with maximum system flux 3760lm
Optics system: multilayer PC lenses
Power supply: dimmable electronic power supplywith DMX 512 interface
Protections: short circuit, over-temperature and over-voltages

Product name	NWWL-7-12	NWWL-7-18	NWWL-7-24
LED	12	18	24
Power	25W	40W	54W
Voltage	AC100-277V 50/60Hz	AC100-277V 50/60Hz	AC100-277V 50/60Hz
Control	ON-OFF / DMX512	ON-OFF / DMX512	ON-OFF / DMX512
Colour temperature	SINGLE / RGBW	SINGLE / RGB	SINGLE / RGBW
Luminous flux	1742/756lm	2809/1218lm	4176/1856lm
Colour Rendering Index	W >80	W >80	W >80
Beam angle	12°/35°/10×55°	12°/35°/10×55°	12°/35°/10×55°
Temperature of working conditions	-30 – +50°C	-30 – +50°C	-30 – +50°C
Humidity of working conditions	10-90%	10-90%	10-90%
LED lifetime	>70000h	>70000h	>70000h
Protection grade	IP66	IP66	IP66
Net weight	2.9 Kgs	3.95 Kgs	4 Kgs

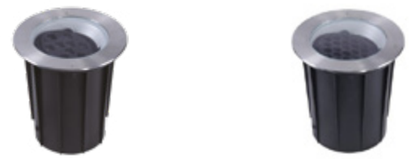


CIRCULAR IN-GROUND

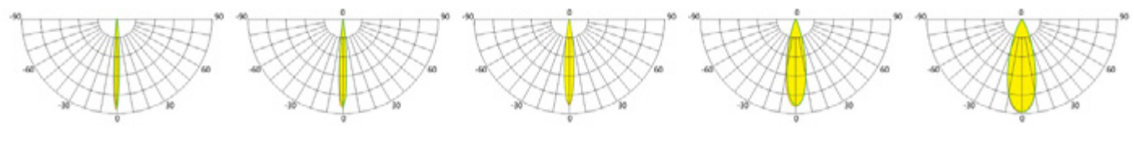
NGB-5-9A
NGB-5-12A

Mounting: ground buried, angular adjustment (optional using motorized tilt)
Material: stainless steel body
Finish: SS finish
Category: performance
Screen: toughened glass
Source: LED with maximum system flux 3147lm

Optics system: multilayer PC lenses
Power supply: dimmable electronic power supply with DMX 512 interface
Protections: short circuit, over-temperature and over-voltages



Product name	NGB-5-9A	NGB-5-12A
LED	9	12
Power	22W / 24W	28W / 30W
Voltage	AC100-277V / DC24V	AC100-277V / DC24V
Control	ON-OFF / DMX512	ON-OFF / DMX512
Colour temperature	SINGLE/RGB	SINGLE/RGB
Luminous flux	1180lm / 531lm	1573lm / 708lm
Colour Rendering Index	W >80	W >80
Beam angle	6°/10°/12°/25°/35°	6°/10°/12°/25°/35°
Temperature of working conditions	-30 – +50°C	-30 – +50°C
Humidity of working conditions	10-90%	10-90%
LED lifetime	>70000h	>70000h
Protection grade	IP67	IP67
Net weight	3.8 Kgs	3.8 Kgs



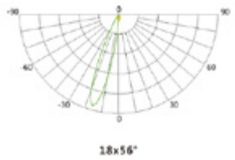
LINEAR IN-GROUND

NGB-3-9
NGB-3-18

Mounting: ground buried, angular adjustment (optional using motorized tilt)
Material: high pressure die-cast aluminium body
Finish: SS finish
Category: performance
Screen: toughened glass

Source: LED with maximum system flux 3132lm
Optics system: multilayer PC lenses
Power supply: dimmable electronic power supply with DMX 512 interface
Protections: short circuit, over-temperature and over-voltages

Product name	**NGB-3-9**	**NGB-3-18**
LED	9	18
Power	21W / 24W	42W / 44W
Voltage	AC100-277V / DC24V	AC100-277V / DC24V
Control	ON-OFF / DMX512	ON-OFF / DMX512
Colour temperature	SINGLE / RGB	SINGLE / RGB
Luminous flux	1566 / 705lm	3132 / 1410lm
Colour Rendering Index	W >80	W >80
Beam angle	18°x56°	18°x56°
Temperature of working conditions	-35 – +50°C	-35 – +50°C
Humidity of working conditions	10-90%	10-90%
LED lifetime	>70000h	>70000h
Protection grade	IP67	IP66
Net weight	3.28 Kgs	5.72 Kgs



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