



EXTERIOR LIGHTING 4 CATALOGUE

ISSUE 4



NVC LIGHTING – WORKING WITH YOU, WHEREVER YOU ARE

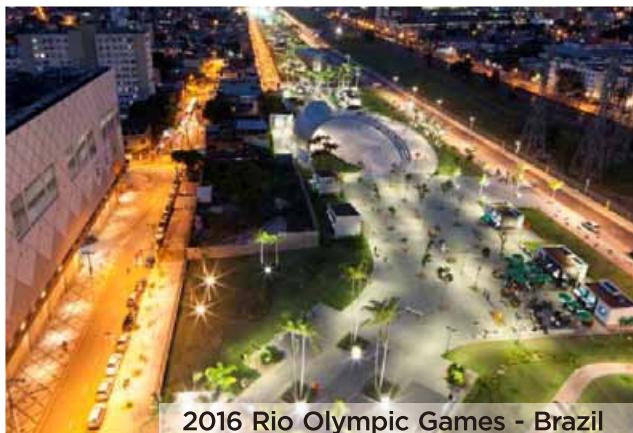
NVC is a lighting brand working with its customers around the world. Wherever we operate we have products for a wide range of commercial, industrial, residential and exterior applications that are suited to local market conditions. However, wherever we work there is one thing that is always the same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

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.

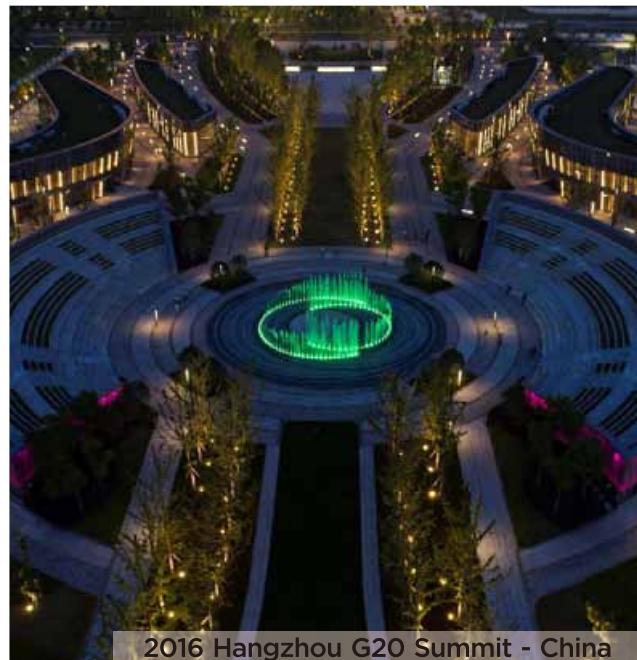
The BERKELEY Division consists of designers, engineers and material specialists all bursting with ideas to help turn a concept sketch from an architect, interior designer or lighting designer into a fully engineered and costed product. Using this approach we have created signature lighting fixtures for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

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.



2016 Hangzhou G20 Summit - China



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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.

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.

LED Flood Lights



LED In-ground Lights



LED Underwater Lights



LED Bollard Lights



LED Post Top Lights



LED Surface Wall Lights



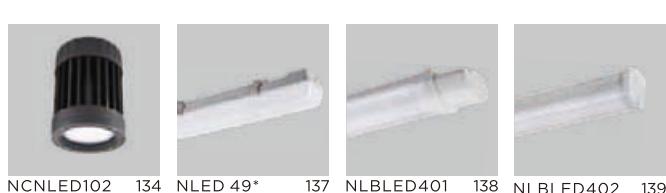
LED Recessed Wall Lights



LED Under-canopy Lights



LED - Highbay Lights / Lowbay Lights/IP65 Battens



LED Street Lights



LED Tunnel Lights



LED Drivers



TECHNICAL

The definition of the Global Quality Approvals & symbol keys, please see page 160

PRODUCT NAMING LOGIC

SALES & SUPPORT NETWORK



LED Flood Lights

NFLED5001

CE IP₆₅ 30000H



Specification

- Die-cast aluminum housing
- Tempered glass
- CREE LEDs
- LED driver included
- Installation accessories included
- IP65

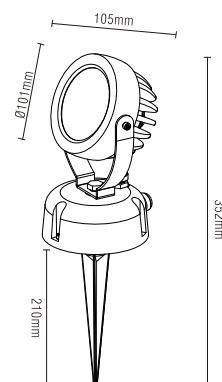
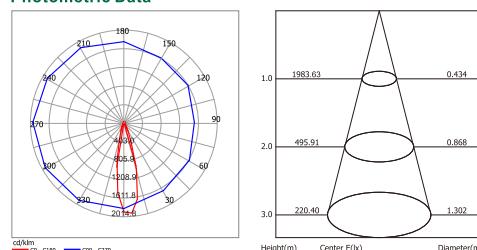
Applications

- Lawns and gardens
- Paths

Color



Photometric Data



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED5001	110-240V	6x1W	8W	491lm	3000K	25°	>80
NFLED5001	110-240V	6x1W	8W	552lm	6000K	25°	>80

NFLED5011



Specification

- Die-cast aluminum housing
- Tempered glass
- CREE LEDs
- LED driver included
- Installation accessories included
- IP65

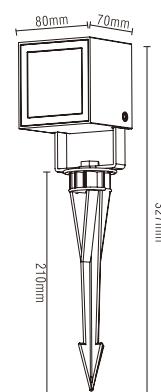
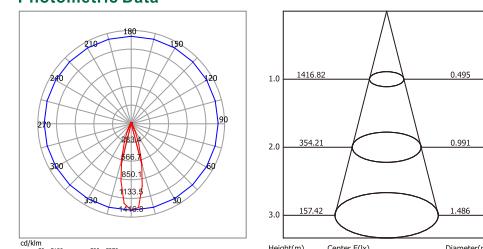
Applications

- Lawns and gardens
- Paths
- Wall washing

Color



Photometric Data



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED5011	110-240V	4x2W	8.5W	430lm	3000K	28°	>80
NFLED5011	110-240V	4x2W	8.5W	475lm	6000K	28°	>80

NFLED5012

CE IP₆₅ 30000H



Specification

- Die-cast aluminum housing
- Tempered glass
- CREE LEDs
- LED driver included
- IP65

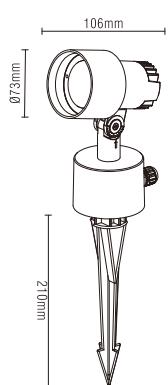
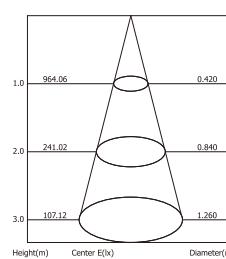
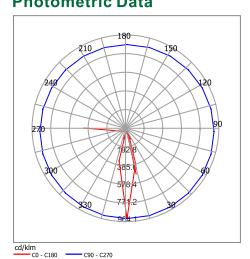
Applications

- Lawns and gardens
- Paths

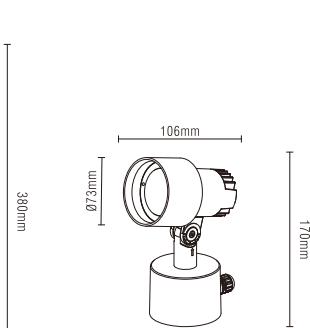
Color



Photometric Data



NFLED5012

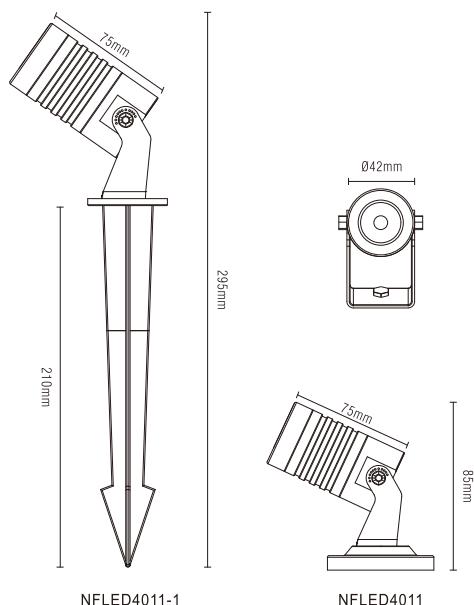


NFLED5012A

Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED5012	110-240V	1x7W COB	9W	316lm	3000K	24°	>80
NFLED5012	110-240V	1x7W COB	9W	348lm	6000K	24°	>80
NFLED5012A	110-240V	3x2W	6.5W	240lm	3000K	24°	>80
NFLED5012A	110-240V	3x2W	6.5W	266lm	6000K	24°	>80

NFLED4011

CE IP65 30000H



Specification

- Aluminum body with anodized finish
- Tempered glass 3mm thick
- Osram LEDs
- LED driver included with 110-240V versions only
- Installation accessories included
- IP65

Applications

- Lawns and gardens
- Paths

Options

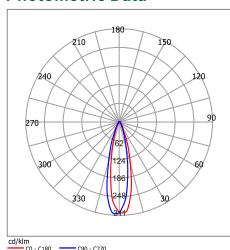
- DC 24V IP65 drivers



Color



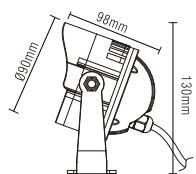
Photometric Data



Illuminance at a Distance		V	H
	Center Beam LUX		
2m	76.88 LUX	0.9m	0.9m
4m	19.22 LUX	1.8m	1.8m
6m	8.54 LUX	2.7m	2.7m
8m	4.81 LUX	3.6m	3.6m
10m	3.08 LUX	4.5m	4.5m
12m	2.14 LUX	5.4m	5.4m
Vert Spread:25.4		Horiz Spread:25.4	

Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED4011	DC24/110-240V	1x2WCOB	3.5W	120lm	3000K	30°	>80
NFLED4011	DC24/110-240V	1x2WCOB	3.5W	150lm	6000K	30°	>80
NFLED4011-1	DC24/110-240V	1x2WCOB	3.5W	120lm	3000K	30°	>80
NFLED4011-1	DC24/110-240V	1x2WCOB	3.5W	150lm	6000K	30°	>80

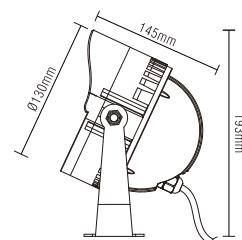
NFLED4012 NFLED4013



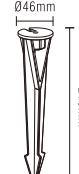
NFLED4012
Windage: 0.008m²
Weight: 0.9kg



Spike
(Not included)



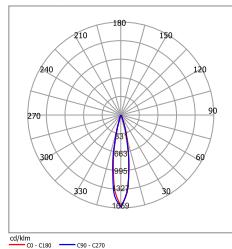
NFLED4013
Windage: 0.017m²
Weight: 1.7kg



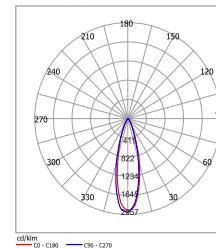
Spike
(Not included)

Photometric Data

NFLED4012

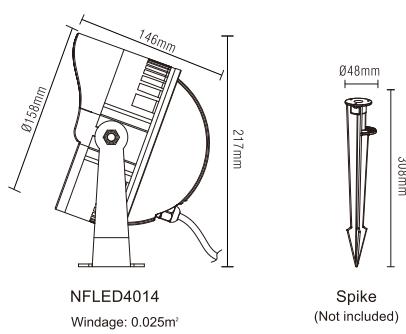


NFLED4013



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED4012	DC24	3x2W	6W	380lm	3000K	15°, 30°	>80
NFLED4012	DC24	3x2W	6W	460lm	6000K	15°, 30°	>80
NFLED4012	110-240V	3x2W	7W	380lm	3000K	15°, 30°	>80
NFLED4012	110-240V	3x2W	7W	460lm	6000K	15°, 30°	>80
NFLED4013	DC24	6x2W	13W	760lm	3000K	15°, 30°	>80
NFLED4013	DC24	6x2W	13W	890lm	6000K	15°, 30°	>80
NFLED4013	110-240V	6x2W	13.5W	760lm	3000K	15°, 30°	>80
NFLED4013	110-240V	6x2W	13.5W	890lm	6000K	15°, 30°	>80

NFLED4014



Specification

- Die-cast aluminum housing
- Power coated aluminum bracket
- Tempered glass 4mm thick
- NICHIA LED
- LED driver included with 110-240V versions only
- Mounting spike not included
- IP65

Applications

- Lawns and gardens
- Paths
- Sculptures

Options

- DC 24V IP65 drivers

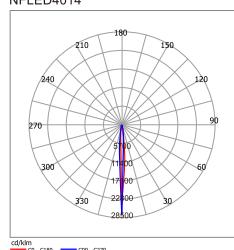


Color



Photometric Data

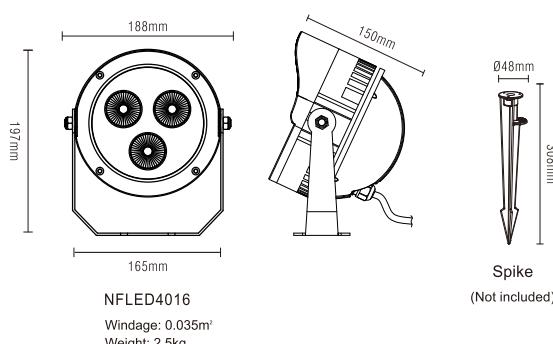
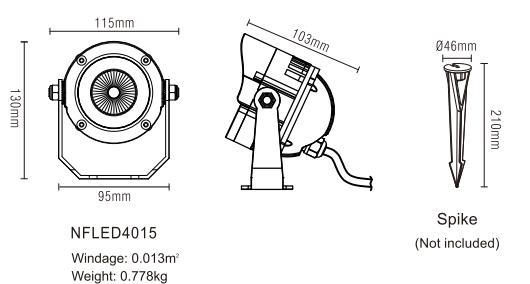
NFLED4014



Illuminance at a Distance		Center Beam LUX	Beam Width H
2m		6177.67 LUX	0.2m
4m		1544.42 LUX	0.5m
6m		686.41 LUX	0.7m
8m		386.10 LUX	0.9m
10m		247.11 LUX	1.2m
12m		171.60 LUX	1.4m
	Vert.Spread:6.9		Horiz.Spread:6.7

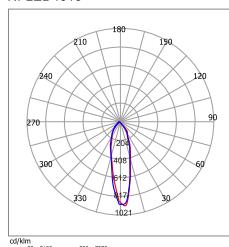
Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED4014	DC24	6x3W	18W	1600lm	3000K	15°, 30°	>80
NFLED4014	DC24	6x3W	18W	1800lm	6000K	15°, 30°	>80
NFLED4014	110-240V	6x3W	18W	1600lm	3000K	15°, 30°	>80
NFLED4014	110-240V	6x3W	18W	1800lm	6000K	15°, 30°	>80

NFLED4015 NFLED4016



Photometric Data

NFLED4015



Illuminance at a Distance		
	Center Beam LUX	Beam Width
2m	220.05 LUX	V 0.9m H 0.9m
4m	55.01 LUX	V 1.7m H 1.7m
6m	24.45 LUX	V 2.6m H 2.6m
8m	13.75 LUX	V 3.4m H 3.5m
10m	8.80 LUX	V 4.3m H 4.3m
12m	6.11 LUX	V 5.2m H 5.2m

Vert Spread: 24.2 Horiz Spread: 24.5

Specification

- Die-cast aluminum housing
- Power coated aluminum bracket
- COB LEDs
- Tempered glass 4mm thick
- LED driver included with 110-240V versions only
- Mounting spike not included
- IP65

Applications

- Lawns and gardens
- Paths

Options

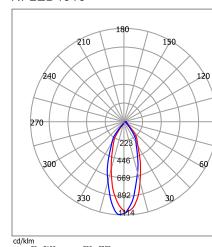
- DC 24V IP65 drivers



Color



NFLED4016

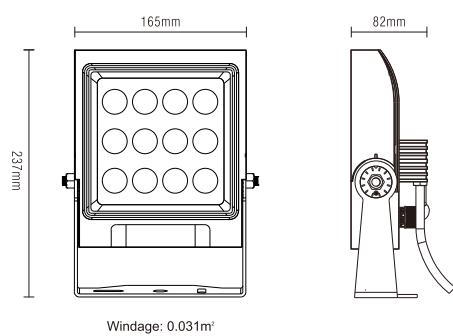


Illuminance at a Distance		
	Center Beam LUX	Beam Width
2m	272.66 LUX	V 1.4m H 1.4m
4m	68.17 LUX	V 2.8m H 2.7m
6m	30.30 LUX	V 4.1m H 4.1m
8m	17.04 LUX	V 5.5m H 5.4m
10m	10.91 LUX	V 6.9m H 6.8m
12m	7.57 LUX	V 8.3m H 8.1m

Vert Spread: 38.0 Horiz Spread: 37.4

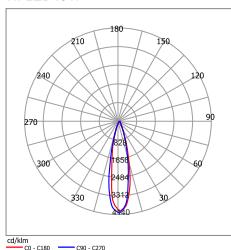
Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED4015	DC24/110-240V	1x6WCOB	7.5W	450lm	3000K	25°	>80
NFLED4015	DC24/110-240V	1x6WCOB	7.5W	540lm	6000K	25°	>80
NFLED4016	DC24/110-240V	3x5WCOB	18.5W	1230lm	3000K	25°	>80
NFLED4016	DC24/110-240V	3x5W1COB	18.5W	1380lm	6000K	25°	>80

NFLED4017



Photometric Data

NFLED4017



Illuminance at a Distance		Beam Width V	Beam Width H
Center Beam LUX			
1010.96 LUX	0.8m	0.8m	
252.74 LUX	1.7m	1.6m	
112.33 LUX	2.5m	2.4m	
63.18 LUX	3.4m	3.2m	
40.41 LUX	4.2m	4.0m	
28.08 LUX	5.1m	4.8m	
Vert Spread:23.9			
Horiz Spread:22.5			

Specification

- Die-cast aluminum housing
- Powder coated aluminum bracket
- OSRAM LEDs
- Tempered glass 7mm thick
- LED driver included with 110-240V versions only
- IP65

Applications

- Lawns and gardens
- Building facades
- Sculptures

Color



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NFLED4017	DC24	12x2W	25W	1373lm	3000K	20°/30°/45°	>80
NFLED4017	DC24	12x2W	25W	1818lm	6000K	20°/30°/45°	>80
NFLED4017	110-240V	12x2W	25W	1373lm	3000K	20°/30°/45°	>80
NFLED4017	110-240V	12x2W	25W	1818lm	6000K	20°/30°/45°	>80

NFDLED251

 CE  IP₆₅  30000H

20W/40W



60W/80W



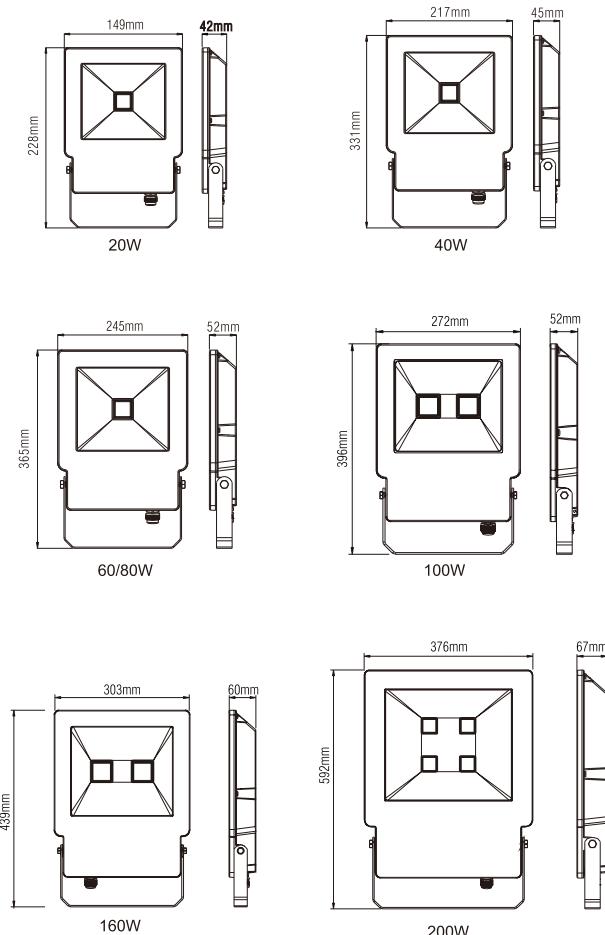
Microwave sensor for option



100W/160W



20W



Specification

- Die-casting aluminum housing
- Aluminum 6063 reflector
- COB LEDs
- Powder coated surface treatment
- LED driver included
- IP65

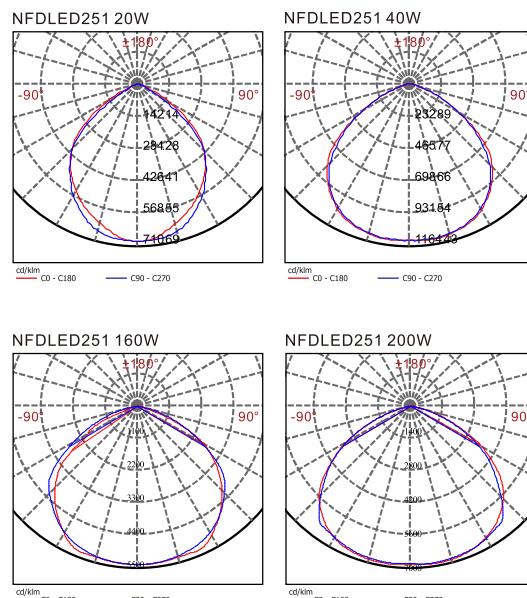
Applications

- Landscape
- Wall washer
- Gardens

Options

- Microwave sensor for option

Photometric Data



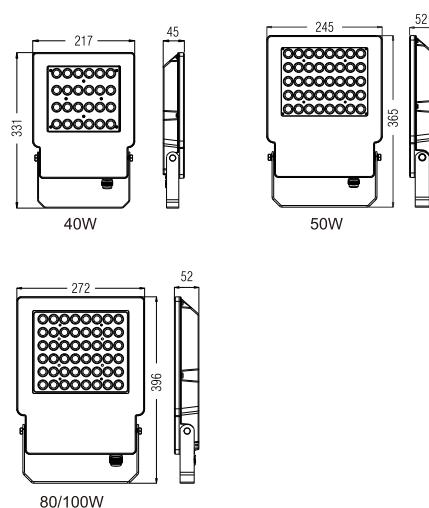
Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NFDLED251 20W	110-240V	20W	1520lm	3000K/4000K/6000K	100°	>70
NFDLED251 40W	110-240V	40W	3360lm	3000K/4000K/6000K	100°	>70
NFDLED251 60W	110-240V	60W	5200lm	3000K/4000K/6000K	100°	>70
NFDLED251 80W	110-240V	80W	9100lm	3000K/4000K/6000K	100°	>70
NFDLED251 100W	220-240V	100W	9250lm	3000K/4000K/6000K	100°	>70
NFDLED251 160W	220-240V	160W	15660lm	3000K/4000K/6000K	100°	>70
NFDLED251 200W	220-240V	200W	20330lm	3000K/4000K/6000K	100°	>70

NFDLED252

CE IP₆₅ 30000H



Microwave sensor for option



Specification

- Die-casting aluminum housing
- PC lens
- High power LEDs
- LED driver included
- Powder coated surface treatment
- IP65

Applications

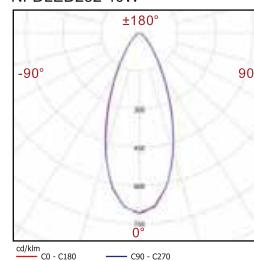
- Landscape
- Wall washer
- Gardens

Options

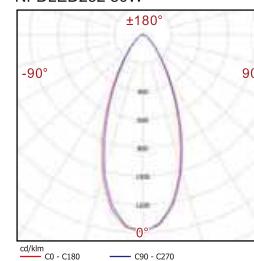
- Microwave sensor for option

Photometric Data

NFDLED252 40W



NFDLED252 80W

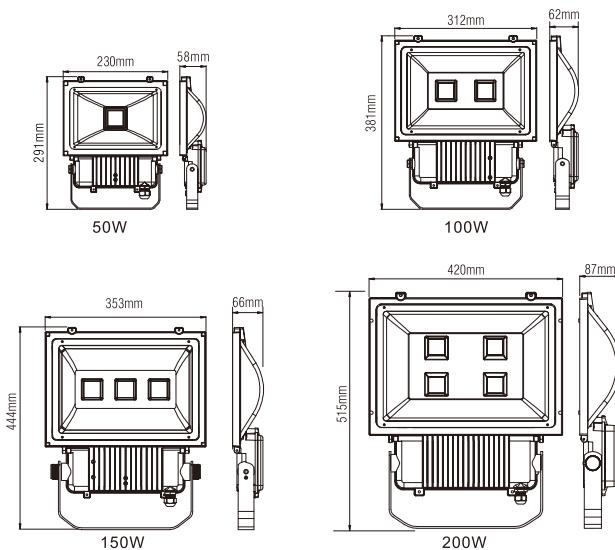


Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NFDLED252 40W	110-240V	40W	3660lm	3000K/4000K/6000K	45°/60°	>70
NFDLED252 50W	110-240V	50W	4100lm	3000K/4000K/6000K	45°/60°	>70
NFDLED252 80W	110-240V	80W	7280lm	3000K/4000K/6000K	45°/60°	>70
NFDLED252 100W	110-240V	100W	8950lm	3000K/4000K/6000K	45°/60°	>70

NFDLED253



Microwave sensor for option



Specification

- Die-casting aluminum housing
- 6063 Aluminum reflector
- High power LEDs
- Powder coated surface treatment
- LED driver included
- IP65

Applications

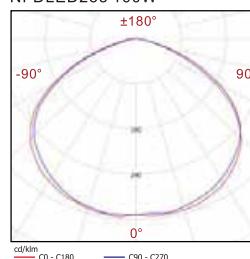
- Landscape
- Wall washer
- Gardens

Options

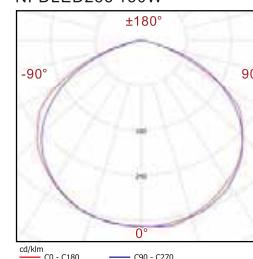
- Microwave sensor for option

Photometric Data

NFDLED253 100W

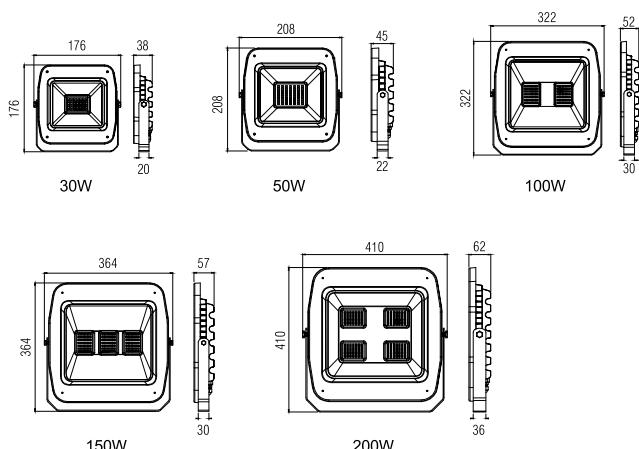


NFDLED253 150W



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NFDLED253 50W	110-240V	50W	4920lm	3000K/4000K/6000K	120°	>70
NFDLED253 100W	110-240V	100W	9250lm	3000K/4000K/6000K	120°	>70
NFDLED253 150W	110-240V	150W	13560lm	3000K/4000K/6000K	120°	>70
NFDLED253 200W	110-240V	200W	18650lm	3000K/4000K/6000K	120°	>70

NFDLED254



Specification

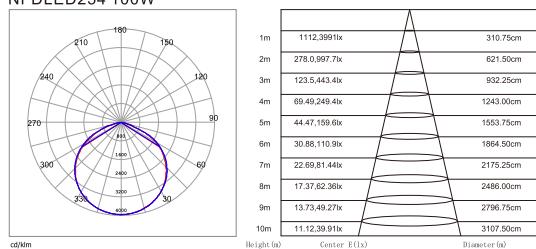
- Die-casting aluminum housing
- SMD LEDs
- AC LED driver included
- IP65

Applications

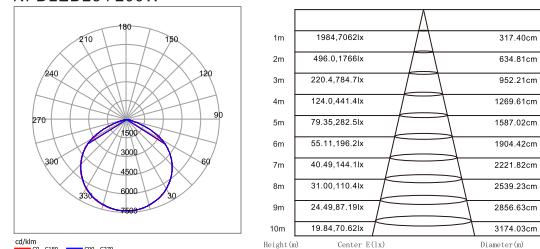
- Landscape
- Wall washer
- Gardens

Photometric Data

NFDLED254 100W



NFDLED254 200W



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NFDLED254 30W	220-240V	30W	2780lm	3000K/4000K/6000K	115°	>70
NFDLED254 50W	220-240V	50W	4900lm	3000K/4000K/6000K	115°	>70
NFDLED254 100W	220-240V	100W	11165lm	3000K/4000K/6000K	115°	>70
NFDLED254 150W	220-240V	150W	14690lm	3000K/4000K/6000K	115°	>70
NFDLED254 200W	220-240V	200W	19700lm	3000K/4000K/6000K	115°	>70





LED In-ground Lights

NELED4201

CE IP₆₇ 30000H



Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 5mm thick
- CREE LEDs
- PVC mounting sleeve
- Weight limit: 113kg on area Ø10mm
- LED driver not included
- IP67

Applications

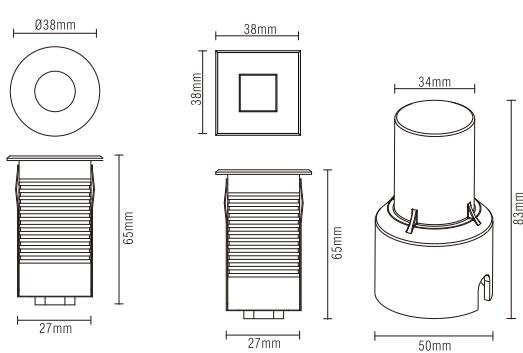
- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector



Color



NELED4201

NELED4201R

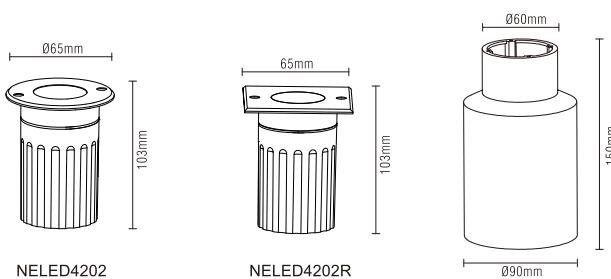
Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4201	DC 24V	1x0.5W	1W	10lm	3000K	120°	>80
NELED4201	DC 24V	1x0.5W	1W	11lm	6000K	120°	>80
NELED4201R	DC 24V	1x0.5W	1W	10lm	3000K	120°	>80
NELED4201R	DC 24V	1x0.5W	1W	11lm	6000K	120°	>80

Accessories

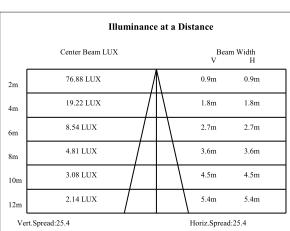
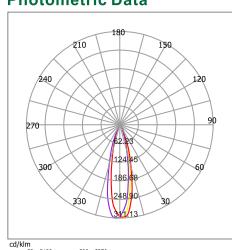
Water proof connector type I

Water proof connector type T

NELED4202



Photometric Data



Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 5mm thick
- CREE LEDs
- PVC mounting sleeve
- Weight limit: 321kg on area Ø10mm
- LED driver included with 110-240V versions only
- IP67

Applications

- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector



Color



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4202	DC 24V	1x2W	2.5W	65lm	3000K	30°	>80
NELED4202	DC 24V	1x2W	2.5W	77lm	6000K	30°	>80
NELED4202R	DC 24V	1x2W	2.5W	65lm	3000K	30°	>80
NELED4202R	DC 24V	1x2W	2.5W	77lm	6000K	30°	>80

Accessories

Water proof connector type I

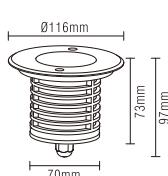
Water proof connector type T

NELED4203

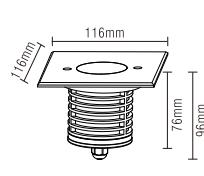
CE IP₆₇ 30000H



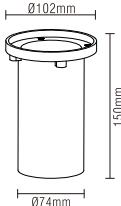
Honeycomb_Louver



NELED4203



NELED4203R



45°/35°

Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 8mm thick
- OSRAM LEDs
- PVC mounting sleeve
- Weight limit: 917kg on area Ø10mm, 2000kg on area Ø30mm, 2000kg on area Ø60mm
- LED driver included with 110-240V versions only
- IP67

Applications

- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector
- Honeycomb_Louver

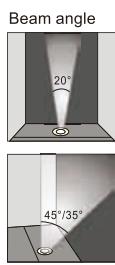


Color

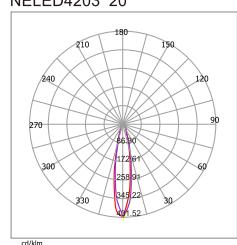


Stainless steel

Photometric Data



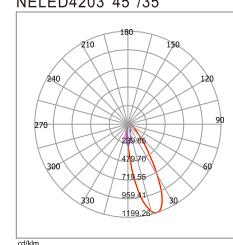
NELED4203 20°



Illuminance at a Distance

	Center Beam LUX	V	Beam Width H
2m	105.34 LUX	0.7m	0.7m
4m	26.34 LUX	1.4m	1.4m
6m	11.70 LUX	2.1m	2.1m
8m	6.58 LUX	2.8m	2.8m
10m	4.21 LUX	3.5m	3.5m
12m	2.93 LUX	4.2m	4.2m
	Vert.Spread:19.7		Horiz.Spread:20.0

NELED4203 45°/35°



Illuminance at a Distance

	Center Beam LUX	V	Beam Width H
2m	73.95 LUX	1.0m	0.7m
4m	18.49 LUX	2.0m	1.3m
6m	8.22 LUX	3.0m	2.0m
8m	4.62 LUX	4.0m	2.7m
10m	2.92 LUX	4.9m	3.3m
12m	2.05 LUX	5.9m	4.0m
	Vert.Spread:27.8		Horiz.Spread:18.9

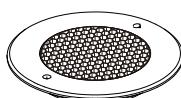
Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4203(R)	DC 24V	3x2W	6W	376lm	3000K	20°	>80
NELED4203(R)	DC 24V	3x2W	6W	479lm	6000K	20°	>80
NELED4203(R)	DC 24V	3x2W	6W	286lm	3000K	45°/35°	>80
NELED4203(R)	DC 24V	3x2W	6W	370lm	6000K	45°/35°	>80

Accessories

Water proof connector type I

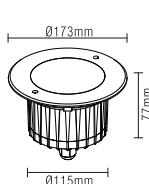
Water proof connector type T

NELED4204

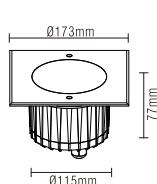


45°/35°

Honeycomb_Louver



NELED4204



NELED4204R



149.5mm

Ø118.5mm
Ø156.5mm
Ø115mm
77mm
77mm

Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 8mm thick
- OSRAM LEDs
- PVC mounting sleeve
- Weight limit: 917kg on area Ø10mm, 2000kg on area Ø30mm, 2000kg on area Ø60mm
- LED driver included with 110-240V versions only
- IP67

Applications

- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector
- Honeycomb_Louver



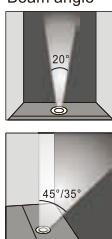
Color



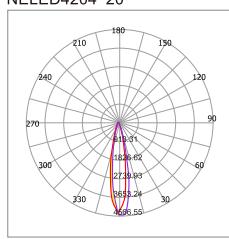
Stainless steel

Photometric Data

Beam angle

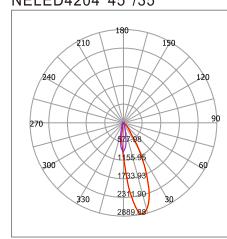


NELED4204 20°



Illuminance at a Distance

NELED4204 45°/35°



Illuminance at a Distance

Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4204(R)	DC 24V	6x2W	13.5W	783lm	3000K	20°	>80
NELED4204(R)	DC 24V	6x2W	13.5W	956lm	6000K	20°	>80
NELED4204(R)	DC 24V	6x2W	13.5W	613lm	3000K	45°/35°	>80
NELED4204(R)	DC 24V	6x2W	13.5W	757lm	6000K	45°/35°	>80

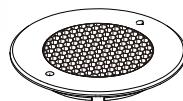
Accessories

Water proof connector type I

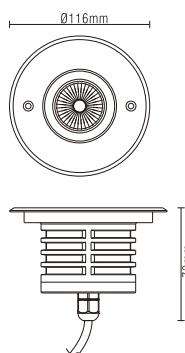
Water proof connector type T

NELED4205

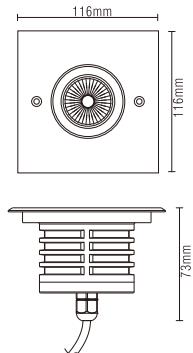
CE IP₆₇ 30000H



Honeycomb_Louver

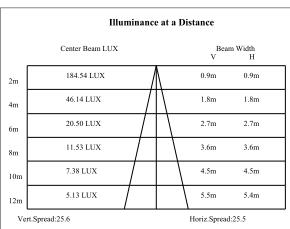
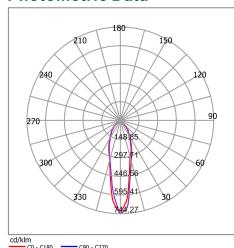


NELED4205



NELED4205R

Photometric Data



Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 8mm thick
- SHARP COB LEDs
- PVC mounting sleeve
- Weight limit: 917kg on area Ø10mm, 2000kg on area Ø30mm, 2000kg on area Ø60mm
- LED driver included with 110-240V versions only
- IP67

Applications

- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector
- Honeycomb_Louver



IP65



Water proof connector type I



Water proof connector type T



Honeycomb_Louver

Color



Stainless steel

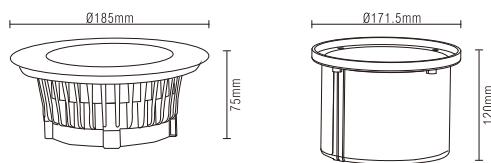
Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4205	DC 24V	1x6WCOB	6.5W	529lm	3000K	25°	>80
NELED4205	DC 24V	1x6WCOB	6.5W	529lm	3000K	25°	>80
NELED4205R	DC 24V	1x6WCOB	6.5W	529lm	3000K	25°	>80
NELED4205R	DC 24V	1x6WCOB	6.5W	529lm	3000K	25°	>80

Accessories

Water proof connector type I

Water proof connector type T

NELED4206



Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 8mm thick
- NICHIA LEDs
- PVC mounting sleeve
- Weight limit: 784kg on area Ø10mm, 1230kg on area Ø30mm, 2000kg on area Ø60mm
- LED driver included with 110-240V versions only
- IP67

Applications

- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector

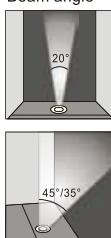


Color

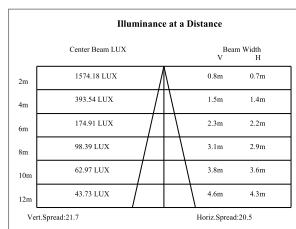
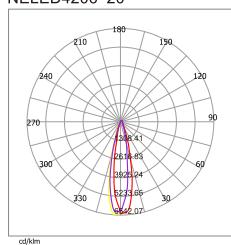


Photometric Data

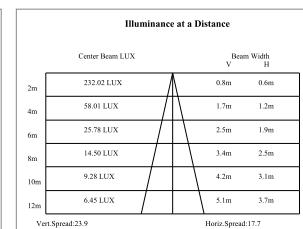
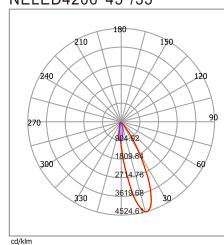
Beam angle



NELED4206 20°



NELED4206 45°/35°



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4206	DC 24V	6x3W	18W	1605lm	3000K	20°	>80
NELED4206	DC 24V	6x3W	18W	1866lm	6000K	20°	>80
NELED4206	DC 24V	6x3W	18W	1307lm	3000K	45°/35°	>80
NELED4206	DC 24V	6x3W	18W	1543lm	6000K	45°/35°	>80

Accessories

Water proof connector type I

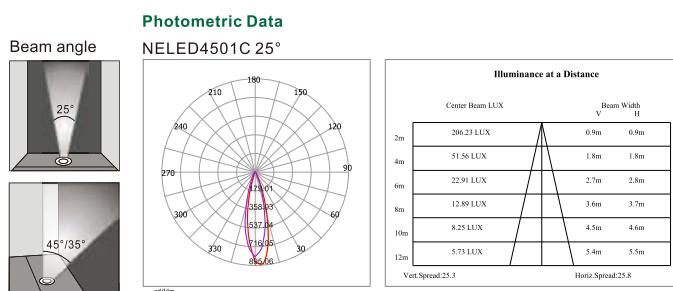
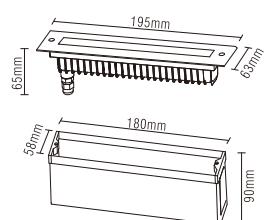
Water proof connector type T

NELED4501C



External waterproof box for high voltage

Low voltage type



Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 8mm thick
- OSRAM LEDs
- PVC mounting sleeve
- Weight limit: 917kg on area Ø10mm, 1285kg on area Ø30mm, 2000kg on area Ø60mm
- LED driver included with 110-240V versions only
- IP67

Applications

- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector



Color



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4501C	DC 24V	3x2W	7W	333lm	3000K	25°	>80
NELED4501C	DC 24V	3x2W	7W	508lm	6000K	25°	>80
NELED4501C	DC 24V	3x2W	7W	285lm	3000K	45°/35°	>80
NELED4501C	DC 24V	3x2W	7W	400lm	6000K	45°/35°	>80

Accessories

Water proof connector type I

Water proof connector type T

NELED4502C



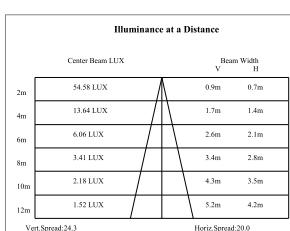
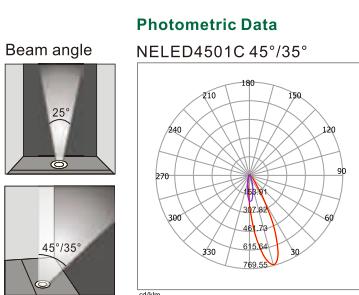
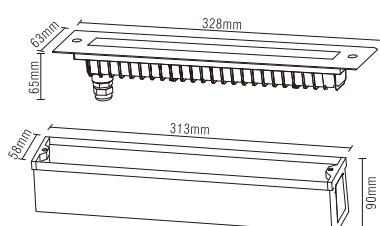
45°/35°



External waterproof box for high voltage



Low voltage type



Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 8mm thick
- OSRAM LEDs
- PVC mounting sleeve
- Weight limit: 917kg on area Ø10mm, 1285kg on area Ø30mm, 2000kg on area Ø60mm
- LED driver included with 110-240V versions only
- IP67

Applications

- Outdoor decorative lighting
- Paths
- Squares and parks

Options

- DC 24V IP65 drivers
- Waterproof connector



Color



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NELED4502C	DC 24V	6x2W	12.5W	730lm	3000K	25°	>80
NELED4502C	DC 24V	6x2W	12.5W	1000lm	6000K	25°	>80
NELED4502C	DC 24V	6x2W	12.5W	570lm	3000K	45°/35°	>80
NELED4502C	DC 24V	6x2W	12.5W	870lm	6000K	45°/35°	>80

Accessories

Water proof connector type I

Water proof connector type T

NELED4212

CE IP₆₇ 30000H



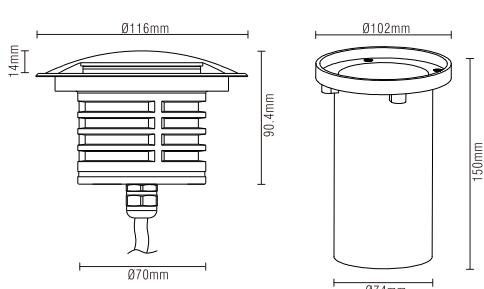
NELED4212A



NELED4212B



NELED4212D



Specification

- Die-cast aluminum housing
- 316 stainless steel bezel
- Tempered glass cover 8mm thick
- SMD LEDs
- PVC mounting sleeve
- Weight limit: 2000kg
- LED driver included with 110-240V versions only
- IP67

Applications

- Drivers
- Car parks
- Building perimeters

Options

- DC 24V IP65 drivers
- Waterproof connector



Color



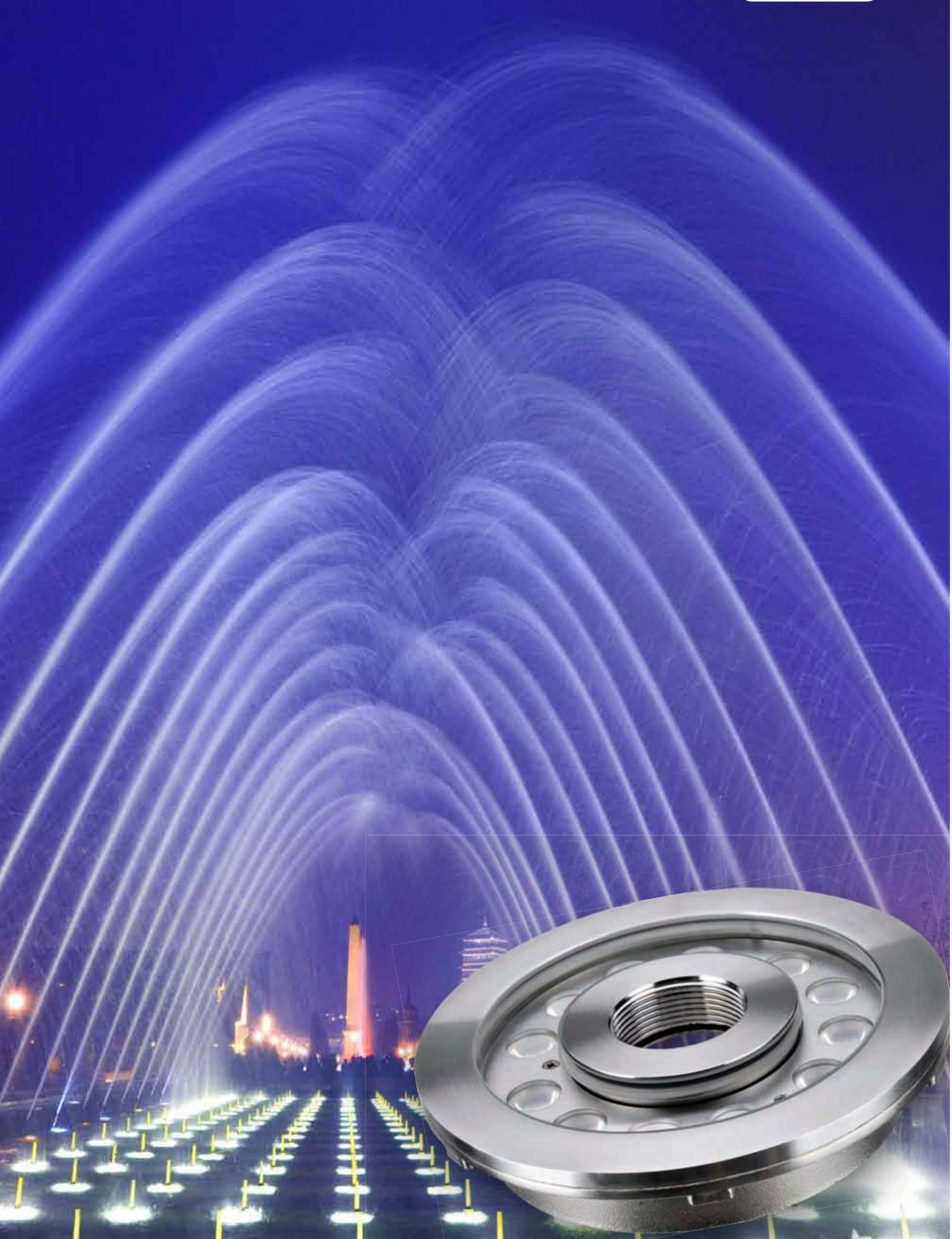
Model	Input	LED Chip	Watts	Lumens	Color temp.	CRI
NELED4212A	DC 24V	6x0.5W SMD5630	3W	8lm	3000K	>80
NELED4212B	DC 24V	6x0.5W SMD5630	3W	10lm	3000K	>80
NELED4212D	DC 24V	6x0.5W SMD5630	3W	15lm	3000K	>80

Accessories

Water proof connector type I

Water proof connector type T





LED Underwater Lights



NUWLED4330



Specification

- 316 Stainless steel lamp body and bracket
- PC optical lens
- 5mm thickness tempered glass front cover
- High Power LEDs
- IP68

Applications

- Swimming pools
- Fountains
- Underwater decorations

Options

- DC 24V IP65 drivers

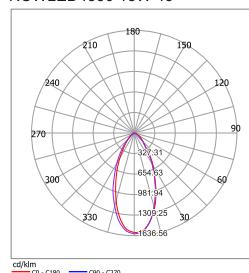


Color

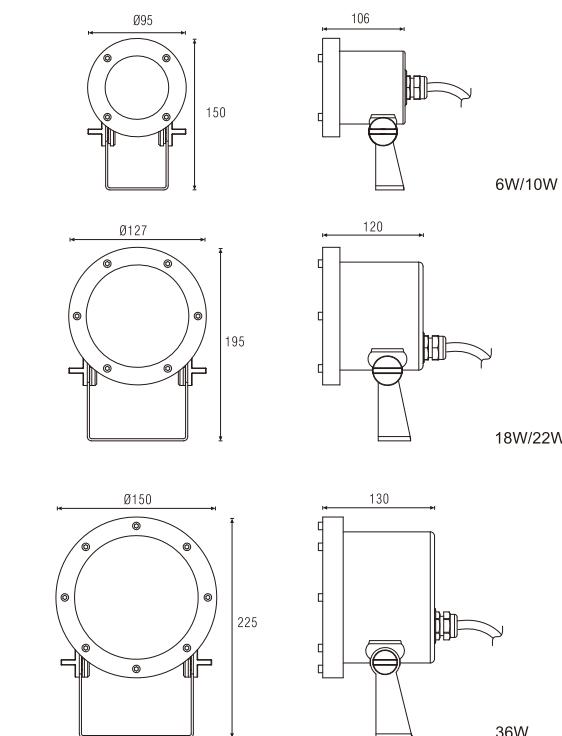
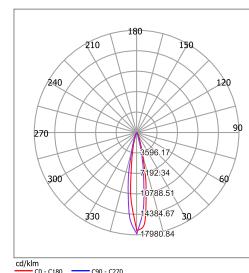


Photometric Data

NUWLED4330 18W 45°



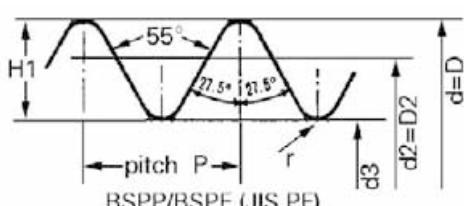
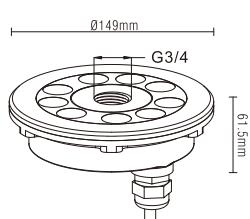
NUWLED4330 36W 15°



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NUWLED4330 6W	24V	6W	540lm	3000K	15°/20°/30°/45°	>80
NUWLED4330 6W	24V	6W	570lm	6000K	15°/20°/30°/45°	>80
NUWLED4330 10W	24V	10W	/	RGB	15°/20°/30°/45°	>80
NUWLED4330 18W	24V	18W	1500lm	3000K	15°/20°/30°/45°	>80
NUWLED4330 18W	24V	18W	1700lm	6000K	15°/20°/30°/45°	>80
NUWLED4330 22W	24V	22W	/	RGB	15°/20°/30°/45°	>80
NUWLED4330 36W	24V	36W	2670lm	3000K	15°/20°/30°/45°	>80
NUWLED4330 36W	24V	36W	3050lm	6000K	15°/20°/30°/45°	>80
NUWLED4330 36W	24V	36W	/	RGB	15°/20°/30°/45°	>80

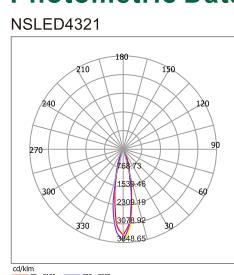
NSLED4321

CE IP₆₈ 1M 30000H



British Pipe Thread (Whitworth Form) -- Parallel (BSPP/BSPF)									
Thread Designation	Nominal Size	Thread Form Type	Major Diameter mm d=D	Pitch mm p	Threads per inch	Pitch Diameter mm d2=D2	Minor Diameter Male Thd. d3	Thread Height H1	Tap Drill Diameter mm
G3/4	3/4"	BSPP	26.441	1.814	14	25.279	24.117	1.162	24.50

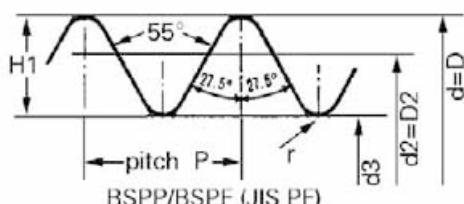
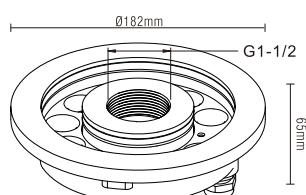
Photometric Data



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NSLED4321	DC 24V	9x1.5W	17W	567lm	3000K	25°	>80
NSLED4321	DC 24V	9x1.5W	17W	700lm	6000K	25°	>80
NSLED4321	DC 24V	9x2W	25W	774lm	RGB	25°	—

Warning: must be installed underwater to prevent over-heating.

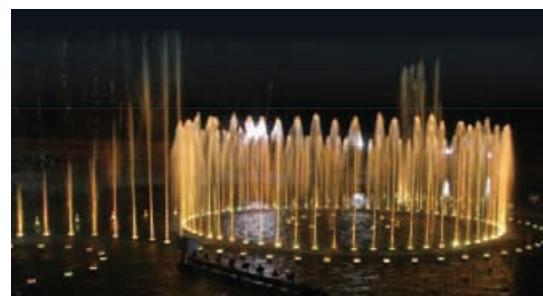
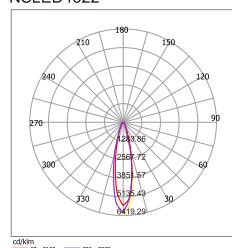
NSLED4322



British Pipe Thread (Whitworth Form) -- Parallel (BSPP/BSPF)									
Thread Designation	Nominal Size	Thread Form Type	Major Diameter mm d=D	Pitch mm p	Threads per inch	Pitch Diameter mm d2=D2	Minor Diameter Male Thd. d3	Thread Height H1	Tap Drill Diameter mm
G1-1/2	1-1/2"	BSPP	47.803	2.309	11	46.324	44.845	1.479	45.00

Photometric Data

NSLED4322



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NSLED4322	DC 24V	12x2W	30W	1610lm	3000K	25°	>80
NSLED4322	DC 24V	12x2W	30W	2067lm	6000K	25°	>80
NSLED4322	DC 24V	12x2W	34W	727lm	RGB	25°	—

Warning: must be installed underwater to prevent over-heating.



NSLED4323



Specification

- 316 Stainless steel housing and bezel
- EPDM gasket
- 8mm tempered glass
- OSRAM LEDs
- LED driver not included
- IP68

Applications

- Swimming pools
- Fountains
- Underwater decorations

Options

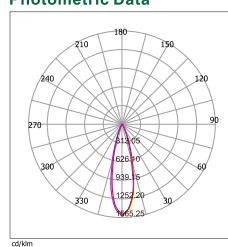
- DC 24V IP65 drivers



Color



Photometric Data



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NSLED4323	DC 24V	6x2W	12.5W	520lm	3000K	25°	>80
NSLED4323	DC 24V	6x2W	12.5W	605lm	6000K	25°	>80
NSLED4323	DC 24V	6x2W	17W	428lm	RGB	25°	—

Warning: must be installed underwater to prevent over-heating.

NSLED4310

CE IP₆₈



Specification

- 316 Stainless steel housing and bezel
- EPDM gasket
- 7mm tempered glass
- PVC mounting sleeve
- OSRAM LEDs
- LED driver not included
- IP68

Applications

- Swimming pools
- Fountains
- Underwater decorations

Options

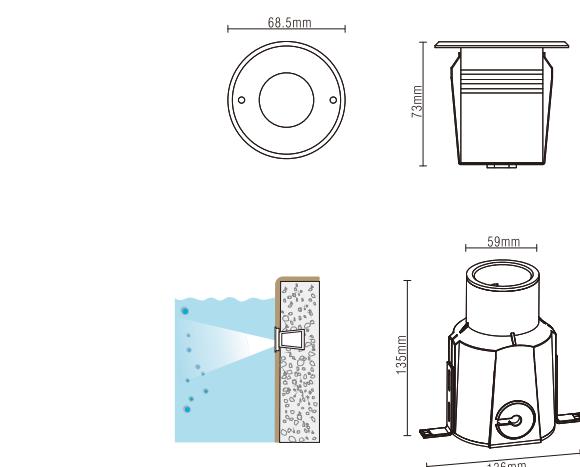
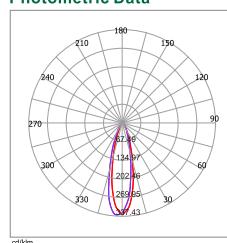
- DC 24V IP65 drivers



Color



Photometric Data



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NSLED4310	DC 24V	1x3W	3W	139lm	3000K	30°	>80
NSLED4310	DC 24V	1x3W	3W	174lm	6000K	30°	>80
NSLED4310	DC 24V	1x3W	3.5W	56lm	RGB	15°	>80

Warning: must be installed underwater to prevent over-heating.

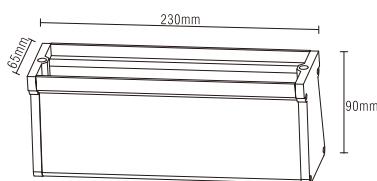
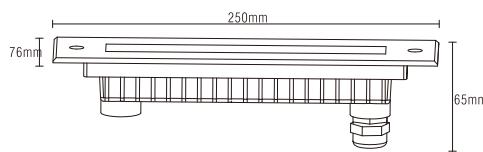
NSLED4315



50°/35°

Specification

- 316 Stainless steel housing and bezel
- EPDM gasket
- 9mm tempered glass
- PVC mounting sleeve
- OSRAM LEDs
- LED driver not included
- IP68



Applications

- Swimming pools
- Fountains
- Underwater decorations

Options

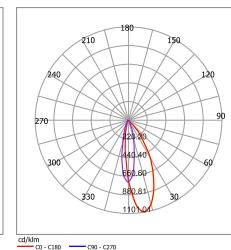
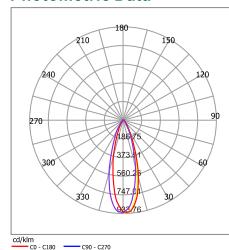
- DC 24V IP65 drivers



Color

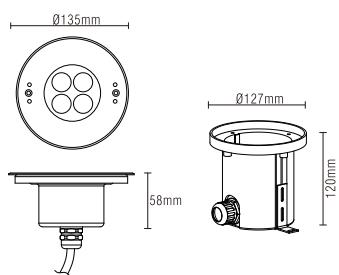


Photometric Data

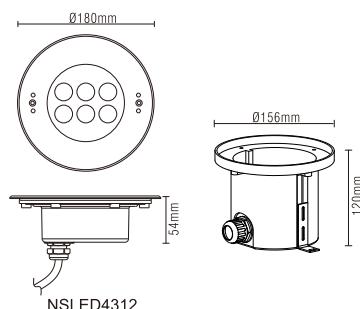
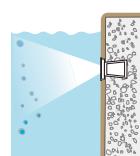


Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NSLED4315	DC 24V	6x2W	12.5W	530lm	3000K	30°	>80
NSLED4315	DC 24V	6x2W	12.5W	610lm	6000K	30°	>80
NSLED4315	DC 24V	6x2W	12.5W	525lm	3000K	50°/35°	>80
NSLED4315	DC 24V	6x2W	12.5W	610lm	6000K	50°/35°	>80

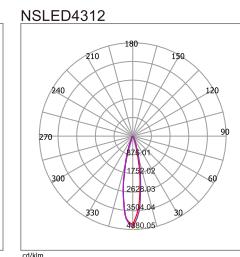
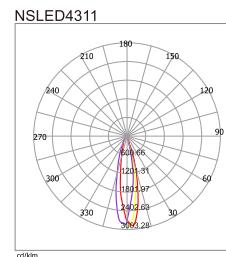
Warning: must be installed underwater to prevent over-heating.

NSLED4311 NSLED4312
CE IP₆₈ 1M 30000H


NSLED4311



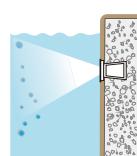
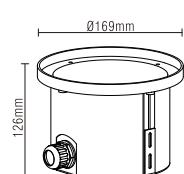
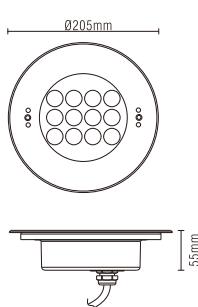
NSLED4312

Photometric Data

Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NSLED4311	DC 24V	4x2W	9W	500lm	3000K	30°	>80
NSLED4311	DC 24V	4x2W	9W	600lm	6000K	30°	>80
NSLED4311	DC 24V	4x2W	15W	162lm	RGB	25°	—
NSLED4312	DC 24V	6x2W	17W	906lm	3000K	30°	>80
NSLED4312	DC 24V	6x2W	17W	1234lm	6000K	30°	>80
NSLED4312	DC 24V	6x2W	24W	420lm	RGB	25°	—

Warning: must be installed underwater to prevent over-heating.

NSLED4313



Specification

- 316 Stainless steel housing and bezel
- EPDM gasket
- 7mm tempered glass
- PVC mounting sleeve
- Weight limit: 958kg on area Ø10mm, 1032kg on area Ø30mm, 1693kg on area Ø60mm
- OSRAM LEDs
- LED driver not included
- IP68

Applications

- Swimming pools
- Fountains
- Underwater decorations

Options

- DC 24V IP65 drivers

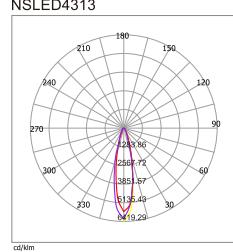


Color



Photometric Data

NSLED4313



Model	Input	LED Chip	Watts	Lumens	Color temp.	Beam angle	CRI
NSLED4313	DC 24V	12x2W	29W	1610lm	3000K	30°	>80
NSLED4313	DC 24V	12x2W	29W	2067lm	6000K	30°	>80
NSLED4313	DC 24V	12x2W	34W	726lm	RGB	25°	—

Warning: must be installed underwater to prevent over-heating.



LED Bollard Lights



NGLED5623

CE IP54 30000H



Specification

- Extruded aluminum housing
- Opal PC diffuser
- CREE LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

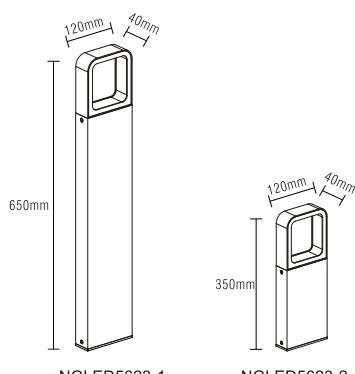
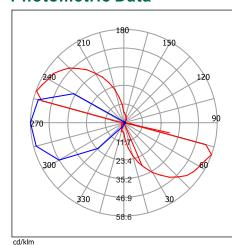
Applications

- Lawns and gardens
- Paths
- Parking areas

Color



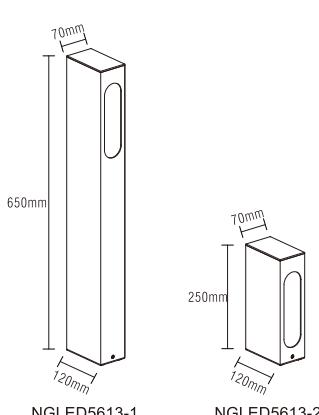
Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5623-1	110-240V	COB	9W	148lm	3000K	>80
NGLED5623-1	110-240V	COB	9W	160lm	6000K	>80
NGLED5623-2	110-240V	COB	9W	148lm	3000K	>80
NGLED5623-2	110-240V	COB	9W	160lm	6000K	>80



NGLED5613



Specification

- Extruded aluminum housing
- Clear PC cover
- CREE LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

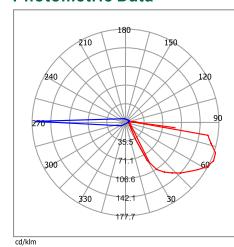
Applications

- Lawns and gardens
- Paths
- Parking areas

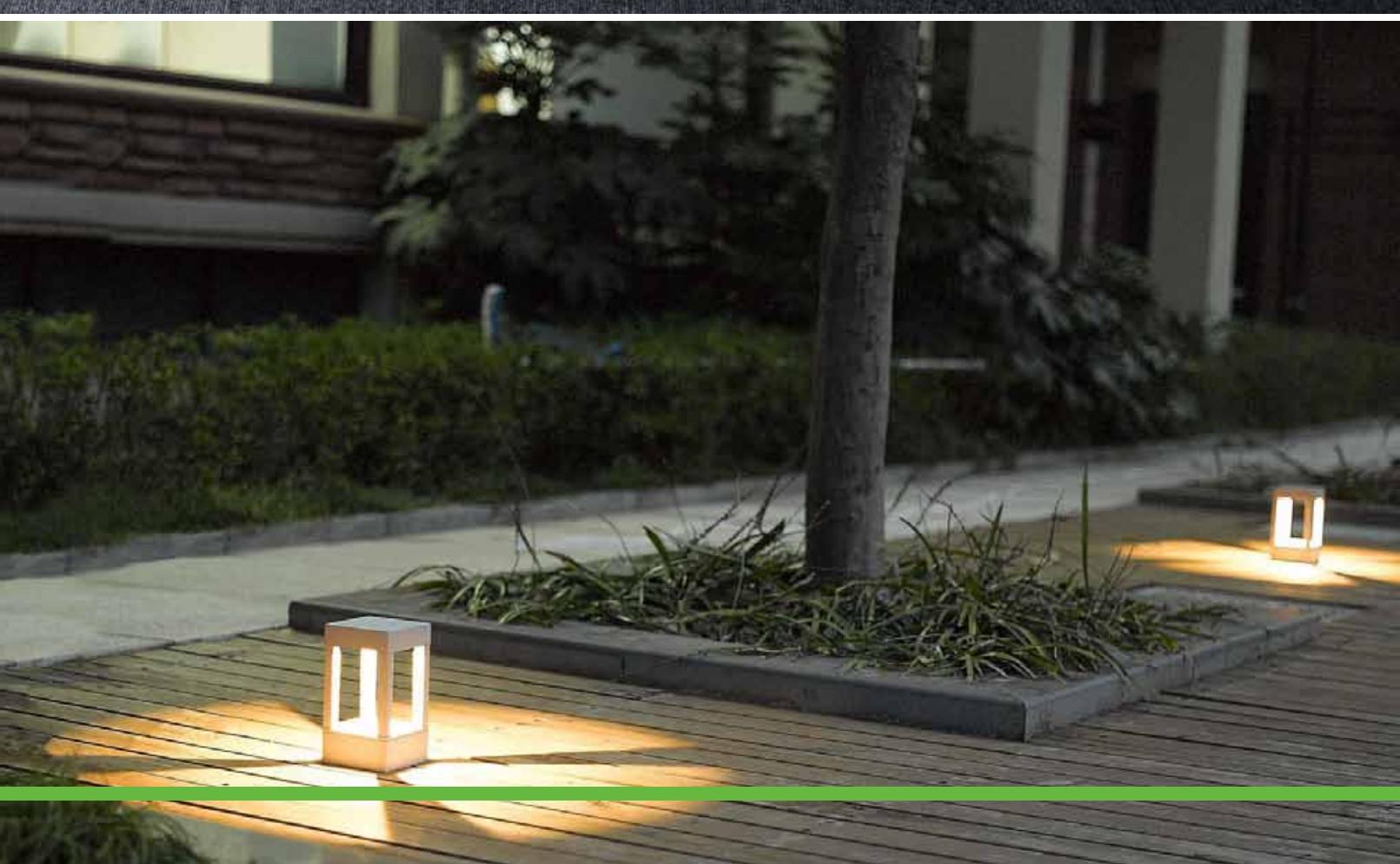
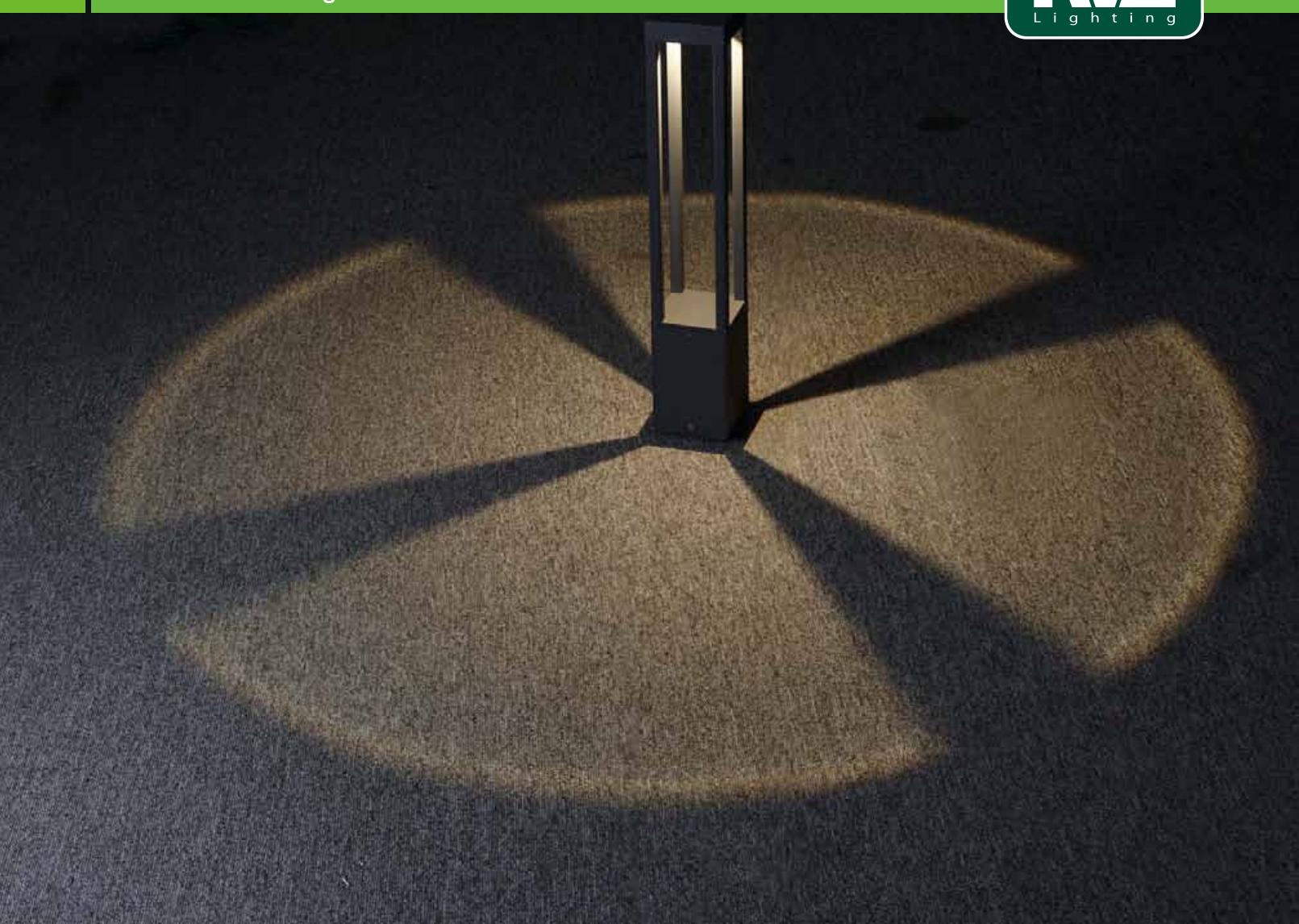
Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5613-1	110-240V	COB	9W	741lm	3000K	>80
NGLED5613-1	110-240V	COB	9W	805lm	6000K	>80
NGLED5613-2	110-240V	COB	9W	741lm	3000K	>80
NGLED5613-2	110-240V	COB	9W	805lm	6000K	>80



NGLED5653



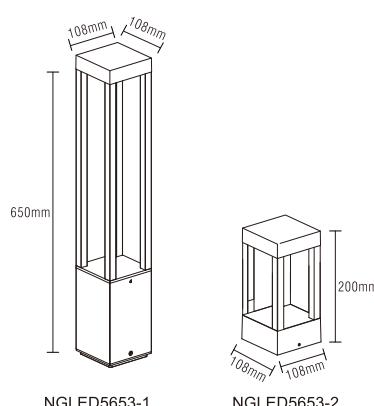
Specification

- Extruded aluminum housing
- Convex glass
- CREE LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

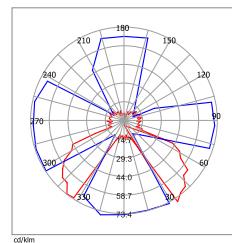
Applications

- Lawns and gardens
- Paths
- Parking areas

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5653-1	110-240V	COB	9W	143lm	3000K	>80
NGLED5653-1	110-240V	COB	9W	155lm	6000K	>80
NGLED5653-2	110-240V	COB	9W	143lm	3000K	>80
NGLED5653-2	110-240V	COB	9W	155lm	6000K	>80



NGLED5663

CE IP54 30000H



Specification

- Extruded aluminum housing
- Clear PC cover
- CREE LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

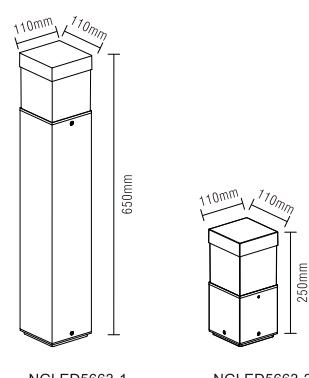
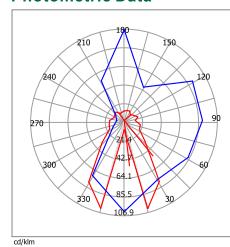
Applications

- Lawns and gardens
- Paths
- Parking areas

Color



Photometric Data



NGLED5663-1

NGLED5663-2

Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5663-1	110-240V	4PCS	13W	112lm	3000K	>80
NGLED5663-1	110-240V	4PCS	13W	123lm	6000K	>80
NGLED5663-2	110-240V	4PCS	13W	112lm	3000K	>80
NGLED5663-2	110-240V	4PCS	13W	123lm	6000K	>80



NGLED5661



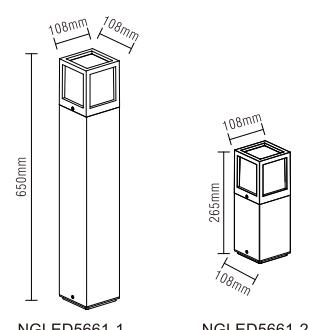
Specification

- Extruded aluminum housing
- Opal PC diffuser
- CREE LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

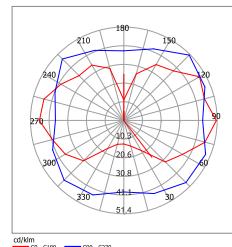
Applications

- Lawns and gardens
- Paths
- Parking areas

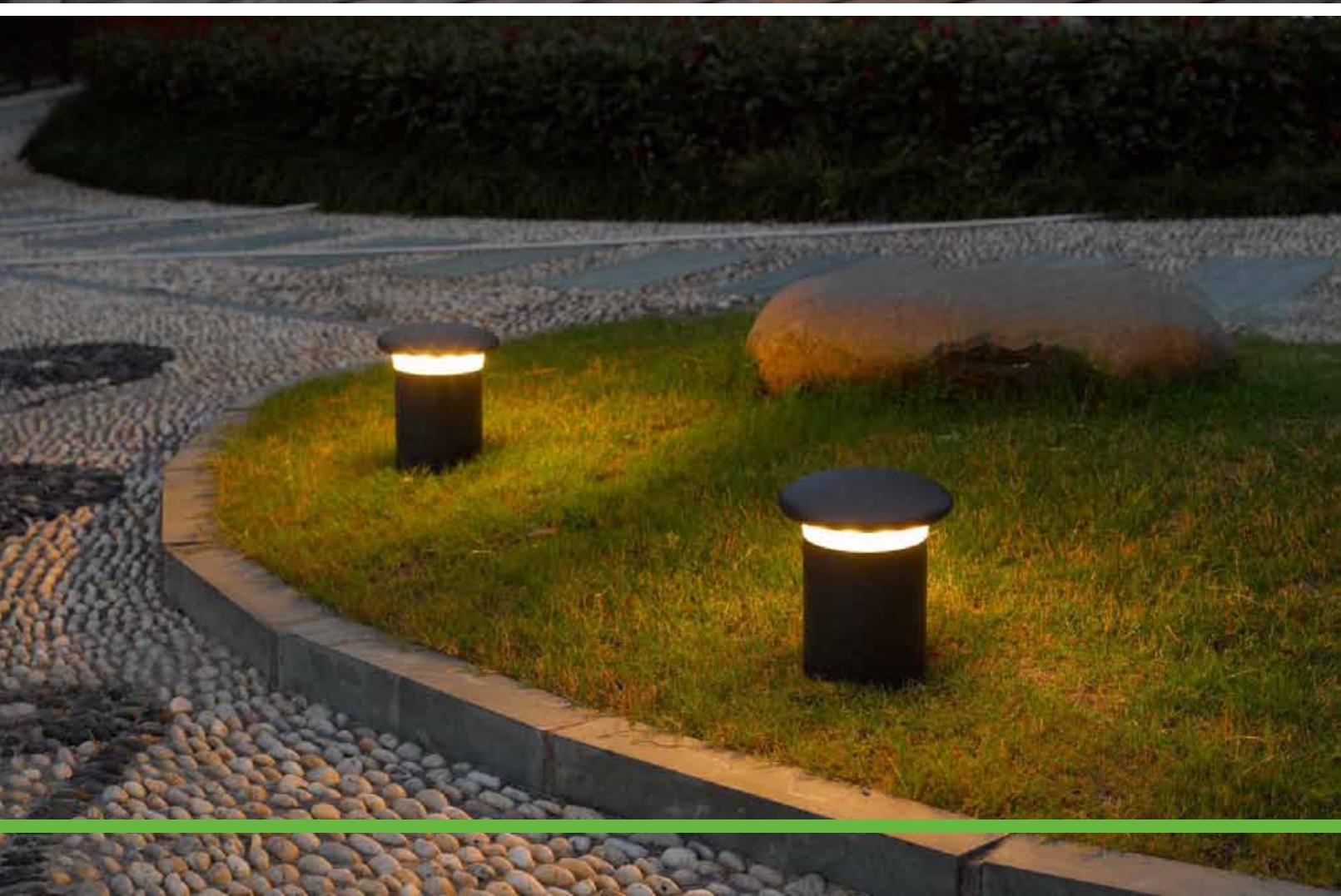
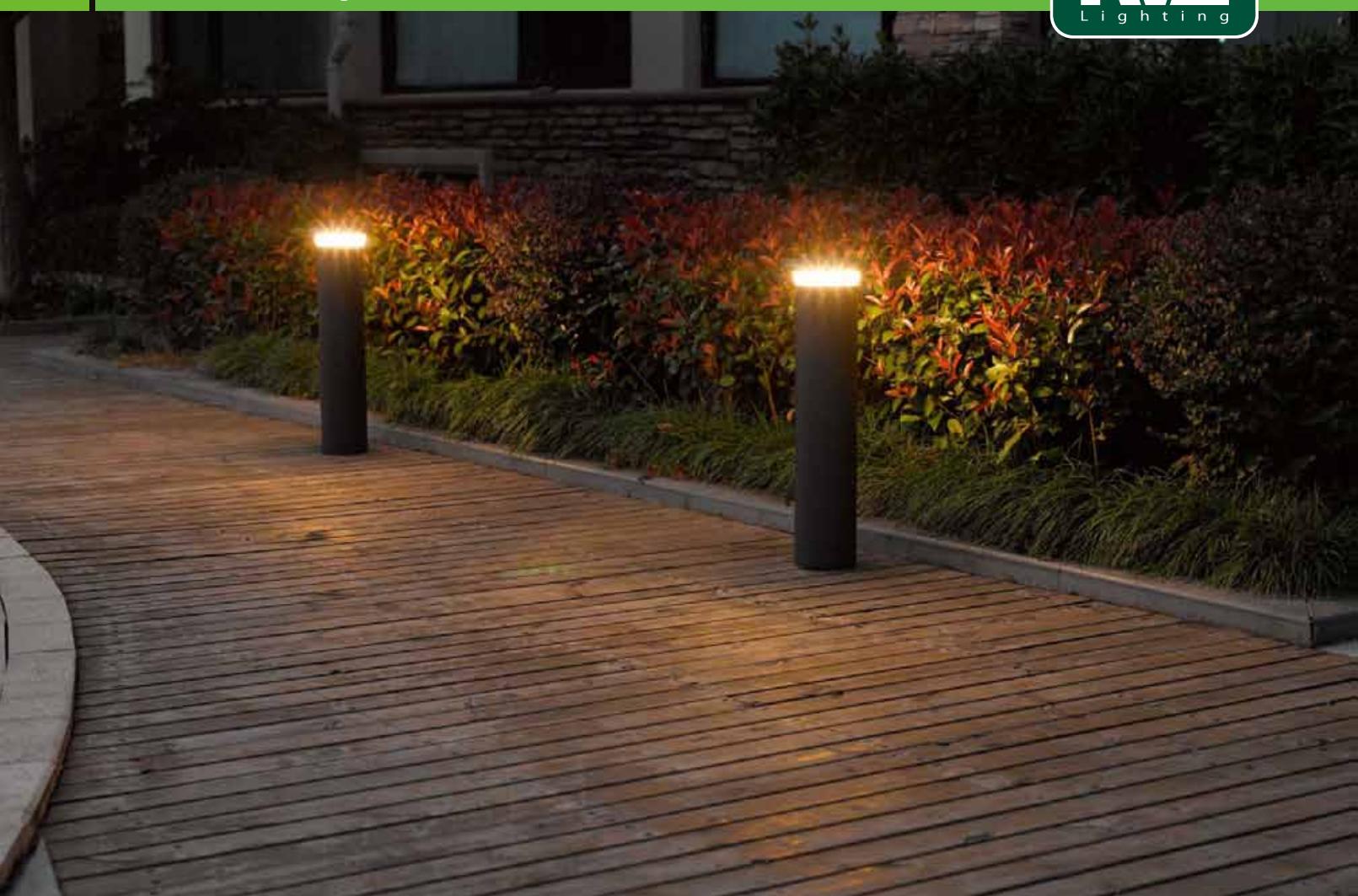
Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5661-1	110-240V	12PCS	16W	348lm	3000K	>80
NGLED5661-1	110-240V	12PCS	16W	379lm	6000K	>80
NGLED5661-2	110-240V	12PCS	16W	348lm	3000K	>80
NGLED5661-2	110-240V	12PCS	16W	379lm	6000K	>80



NGLED5612



Specification

- Extruded aluminum housing
 - Frost PC
 - CREE LEDs
 - LED driver included
 - IP54
 - Supplied complete with mounting bolts

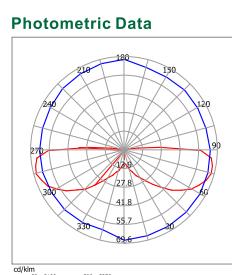
Applications

- Lawns and gardens
 - Paths
 - Parking areas

Color



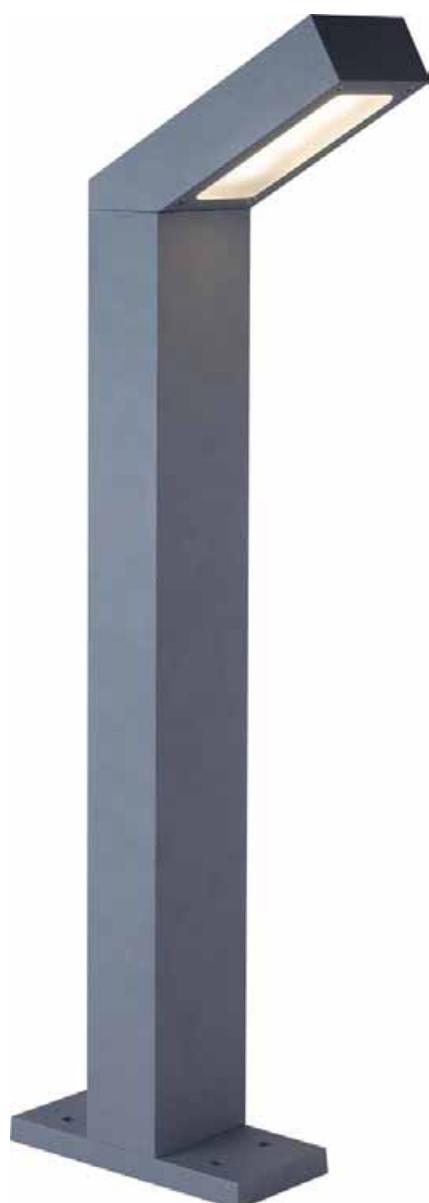
The image contains two technical drawings of cylindrical components. The left cylinder is labeled with a diameter of Ø210mm and a height of 75mm. The right cylinder is also labeled with a diameter of Ø210mm but has a height of 220mm.



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5612-1	110-240V	10PCS	12W	253lm	3000K	>80
NGLED5612-1	110-240V	10PCS	12W	275lm	6000K	>80
NGLED5612-2	110-240V	10PCS	12W	253lm	3000K	>80
NGILED5612-2	110-240V	10PCS	12W	275lm	6000K	>80



NGLED5615



Specification

- Extruded aluminum housing
- Frost PC
- CREE LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

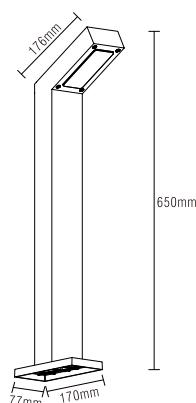
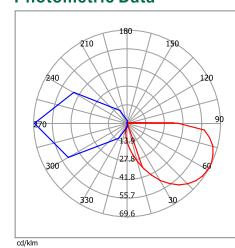
Applications

- Lawns and gardens
- Paths
- Parking areas

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5615	110-240V	3PCS	9W	167lm	3000K	>80
NGLED5615	110-240V	3PCS	9W	183lm	6000K	>80



NGLED5616



Specification

- Extruded aluminum housing
 - Clear PC
 - CREE LEDs
 - LED driver included
 - IP54
 - Supplied complete with mounting bolts

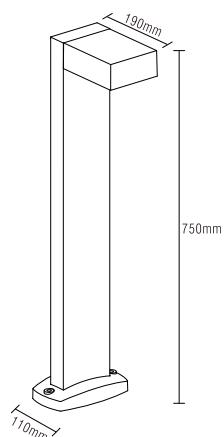
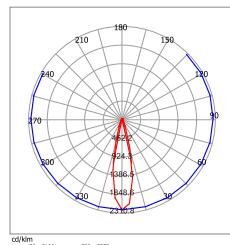
Applications

- Lawns and gardens
 - Paths
 - Parking areas

Color



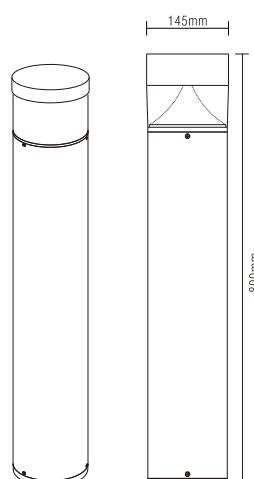
Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED5616	110-240V	6PCS	7.5W	504lm	3000K	>80
NGLED5616	110-240V	6PCS	7.5W	550lm	6000K	>80

NGLED3607

CE IP₅₄ 30000H



Specification

- Extruded aluminum housing
- Clear PC diffuser
- SMD LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

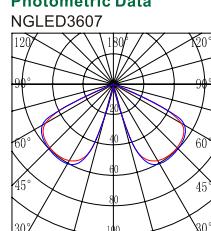
Applications

- Lawns and gardens
- Paths
- Parking areas

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED3607	110-240V	16PCS	9W	780lm	3000K	>80
NGLED3607	110-240V	16PCS	9W	800lm	6000K	>80

NGLED3603

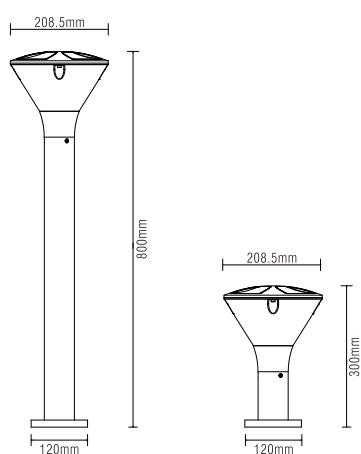
CE IP₅₄ 30000H



NGLED3603-1



NGLED3603-2



Specification

- Extruded aluminum housing
- Frosted PC diffuser
- SMD LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts

Applications

- Lawns and gardens
- Paths
- Parking areas

Color



Sanded black

Dark Sanded Grey

Light Sanded Grey

Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED3603-1	110-240V	18PCS	10.5W	360lm	3000K	>80
NGLED3603-1	110-240V	18PCS	10.5W	390lm	6000K	>80
NGLED3603-2	110-240V	18PCS	10.5W	360lm	3000K	>80
NGLED3603-2	110-240V	18PCS	10.5W	390lm	6000K	>80

NGLED3562

CE IP₅₄ 30000H



NGLED3562A



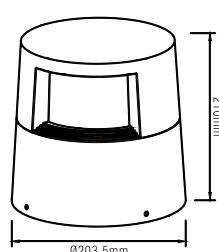
NGLED3562B



NGLED3562C

Specification

- Extruded aluminum housing
- Clear PC diffuser
- SMD LEDs
- LED driver included
- IP54
- Supplied complete with mounting bolts



Applications

- Lawns and gardens
- Paths
- Parking areas

Color



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED3562A	110-240V	COB	14W	230lm	3000K/6000K	>70
NGLED3562B	110-240V	COB	14W	230lm	3000K/6000K	>70
NGLED3562C	110-240V	COB	14W	230lm	3000K/6000K	>70

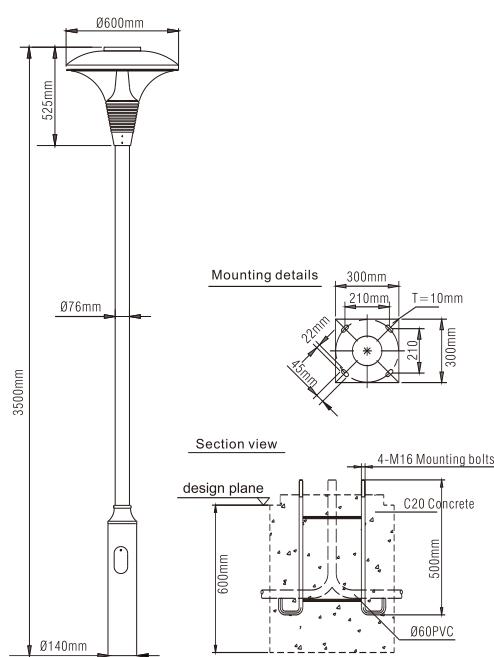




LED Post Top Lights

NGLED027

CE IP₅₅ 30000H



Specification

- Design gives low-glare lighting for maximum visual comfort
- Die-cast aluminum fitting and steel column
- Edison LEDs
- Clear PMMA cover
- LED driver included
- IP55

Applications

- Lawns and gardens
- Paths
- Parking areas

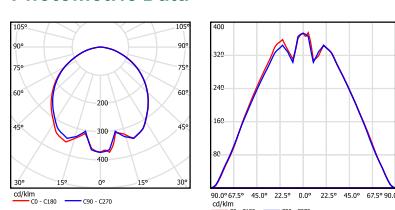
Options

- Kit of 4 j-bolts for mounting available

Color

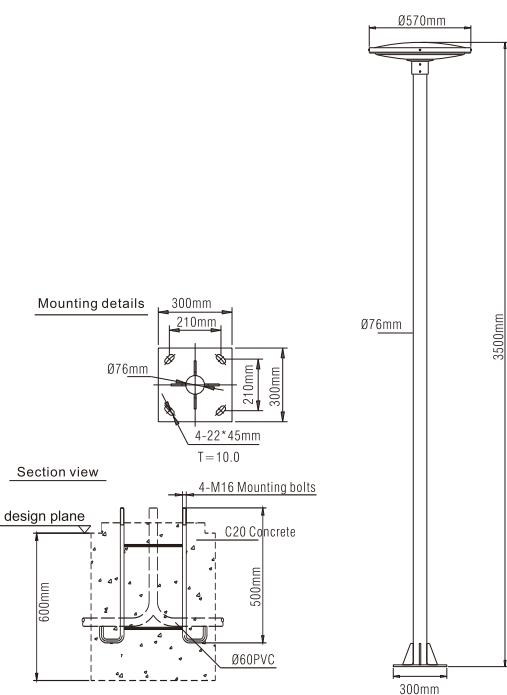


Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED027/20W	220-240V	20PCS	20W	1850lm	3000/6000K	>70
NGLED027/36W	220-240V	36PCS	36W	3300lm	3000/6000K	>70

NGLED036



Specification

- Design gives low-glare lighting for maximum visual comfort
- Die-cast aluminum fitting and steel column
- Edison LEDs
- Opal PMMA cover
- LED driver included
- IP55

Applications

- Lawns and gardens
- Paths
- Parking areas

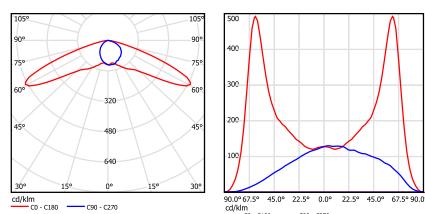
Options

- Kit of 4 j-bolts for mounting available

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED036	220-240V	694PCS	50W	3450lm	3000k	>70
NGLED036	220-240V	694PCS	50W	3450lm	6000k	>70

NGLED037

CE IP₅₅ 30000H



Specification

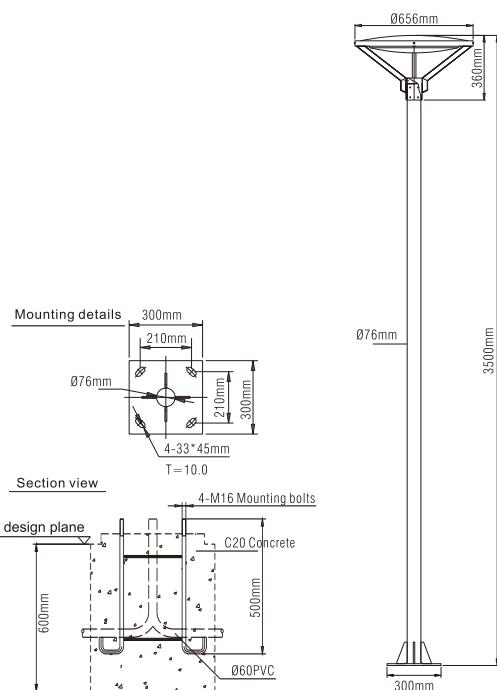
- Design gives low-glare lighting for maximum visual comfort
- Die-cast aluminum fitting and steel column
- Edison LEDs
- Opal PMMA cover
- LED driver included
- IP55

Applications

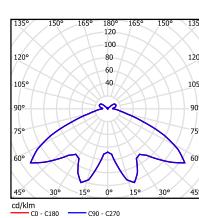
- Lawns and gardens
- Paths
- Parking areas

Options

- Kit of 4 j-bolts for mounting available



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED037	220-240V	720PCS	50W	3450lm	3000K	>70
NGLED037	220-240V	720PCS	50W	3450lm	6000K	>70



NGLED035

CE IP₅₅ 30000H



Specification

- Design gives low-glare lighting for maximum visual comfort
- Die-cast aluminum fitting and steel column
- Edison LEDs
- Opal PMMA cover
- LED driver included
- IP55

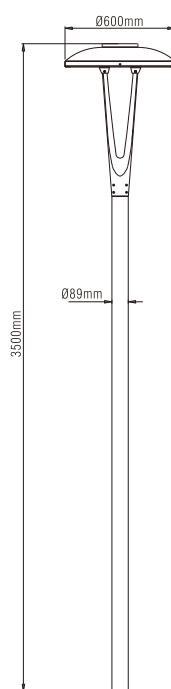
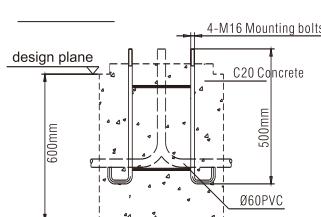
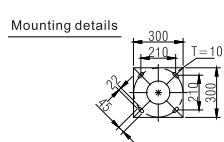
Applications

- Lawns and gardens
- Paths
- Parking areas

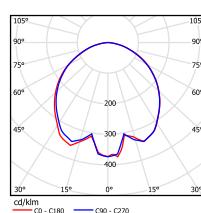
Options

- Kit of 4 j-bolts for mounting available

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED035	220-240V	20PCS	20W	1850lm	3000K	>70
NGLED035	220-240V	20PCS	20W	1850lm	6000K	>70
NGLED035	220-240V	36PCS	36W	3300lm	3000K	>70
NGLED035	220-240V	36PCS	36W	3300lm	6000K	>70

NGLED038



Specification

- Design gives low-glare lighting for maximum visual comfort
- Die-cast aluminum fitting and steel column
- Edison LEDs
- Opal PMMA cover
- LED driver included
- IP55

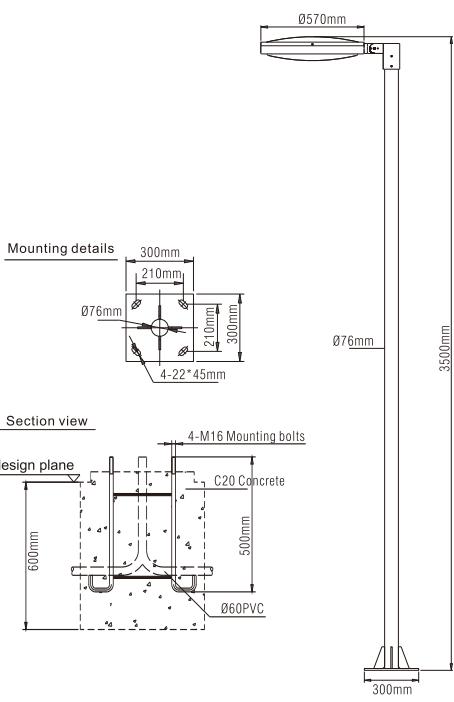
Applications

- Lawns and gardens
- Paths
- Parking areas

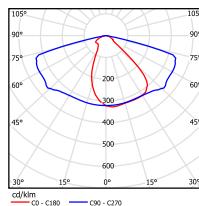
Options

- Kit of 4 j-bolts for mounting available

Color



Photometric Data



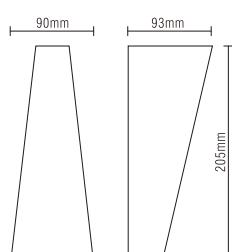
Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NGLED038	220-240V	720PCS	50W	3450lm	3000K	>70
NGLED038	220-240V	720PCS	50W	3450lm	6000K	>70



LED Surface Wall Lights



NWLED3531



Specification

- Die-cast aluminum housing
- Clear tempered glass cover
- High power LEDs
- LED driver included
- IP54

Applications

- Wall decoration
- Corridors
- Balconies

Color



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED3531	110-240V	2PCS	7W	300lm	3000K	>70
NWLED3531	110-240V	2PCS	7W	320lm	6000K	>70



NWLED5523



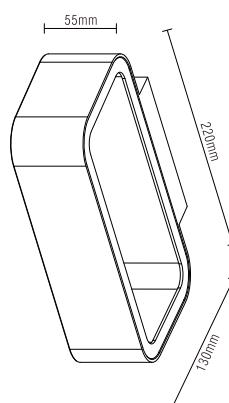
Specification

- Die-cast aluminum housing
- Frosted PC diffuser
- Bridgelux COB LEDs
- LED driver included
- IP54

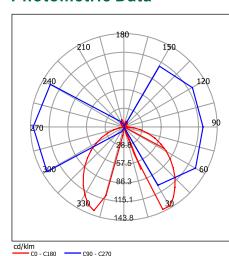
Applications

- Wall decoration
- Corridors
- Balconies

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED5523	110-240V	COB	9W	196lm	3000K	>80
NWLED5523	110-240V	COB	9W	220lm	6000K	>80



NWLED5543

CE IP₅₄ 30000H



Specification

- Aluminum housing
- Frosted glass cover
- CREE LEDs
- LED driver included
- IP54

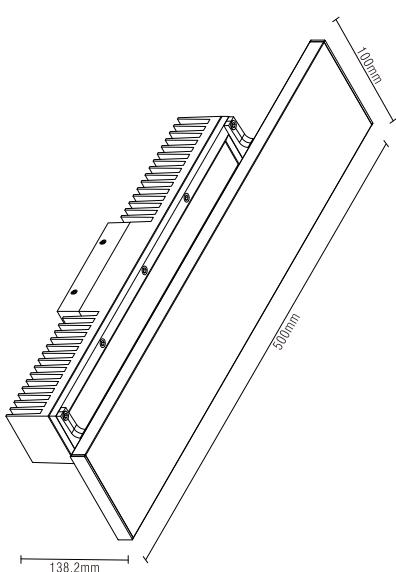
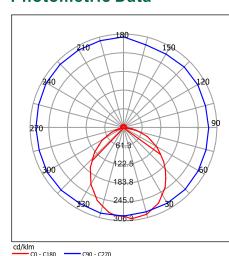
Applications

- Wall decoration
- Corridors
- Balconies

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED5543	110-240V	10PCS	21W	775lm	3000K	>80
NWLED5543	110-240V	10PCS	21W	850lm	6000K	>80

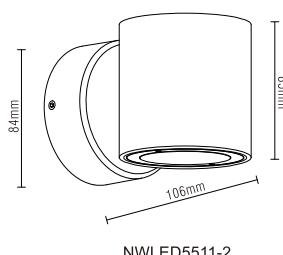
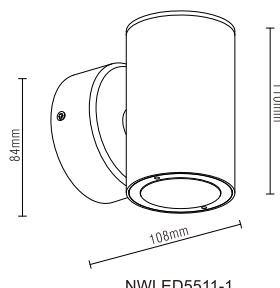


NWLED5511



Specification

- Aluminum housing
- Clear glass cover
- CREE LEDs
- LED driver included
- IP54



Applications

- Wall decoration
- Corridors
- Columns

Options

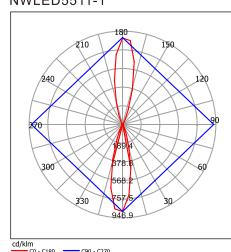
- Choice of :
 - 7.5W up + down
 - 4W one direction

Color

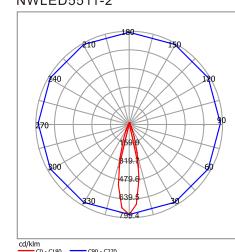


Photometric Data

NWLED5511-1



NWLED5511-2



Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NWLED5511-1	110-240V	6PCS	7.5W	368lm	3000K	25°	>80
NWLED5511-1	110-240V	6PCS	7.5W	400lm	6000K	25°	>80
NWLED5511-2	110-240V	3PCS	4W	211lm	3000K	25°	>80
NWLED5511-2	110-240V	3PCS	4W	230lm	6000K	25°	>80

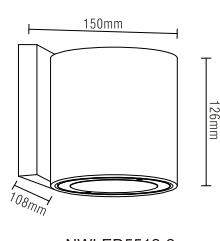
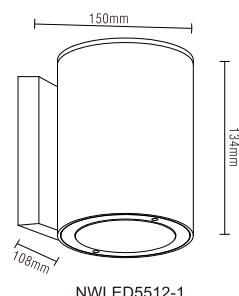


NWLED5512



Specification

- Aluminum housing
- Clear glass cover
- CREE LEDs
- LED driver included
- IP54



Applications

- Wall decoration
- Corridors
- Columns

Options

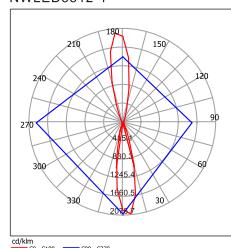
- Choice of :
 - 14.5W up + down
 - 7.5W one direction

Color

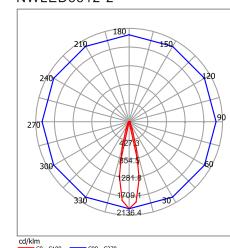


Photometric Data

NWLED5512-1



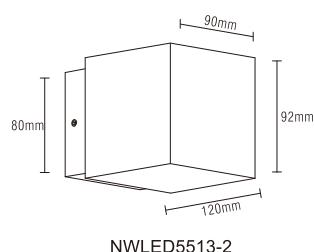
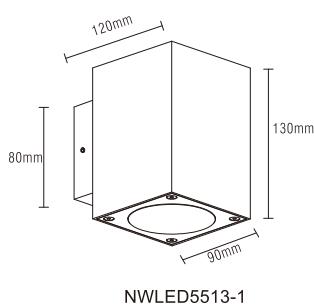
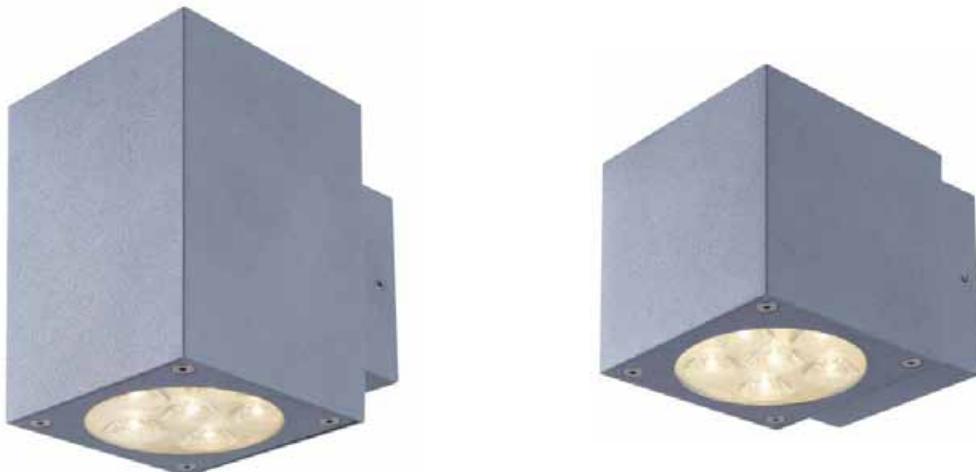
NWLED5512-2



Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NWLED5512-1	110-240V	12PCS	14.5W	872lm	3000K	25°	>80
NWLED5512-1	110-240V	12PCS	14.5W	950lm	6000K	25°	>80
NWLED5512-2	110-240V	6PCS	7.5W	502lm	3000K	25°	>80
NWLED5512-2	110-240V	6PCS	7.5W	550lm	6000K	25°	>80

NWLED5513

CE IP54 30000H



Specification

- Aluminum housing
- Clear glass cover
- CREE LEDs
- LED driver included
- IP54

Applications

- Wall decoration
- Corridors
- Columns

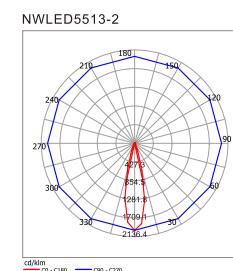
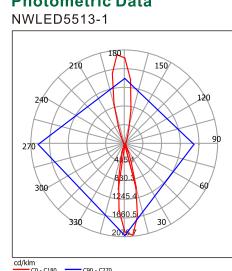
Options

- Choice of:
 - 14.5W up + down
 - 7.5W one direction

Color

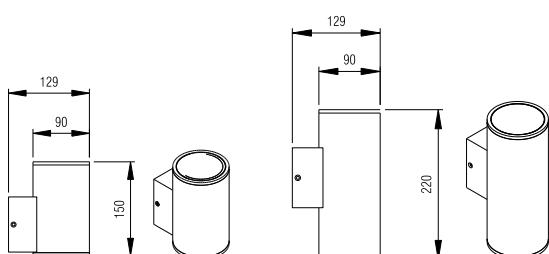


Photometric Data



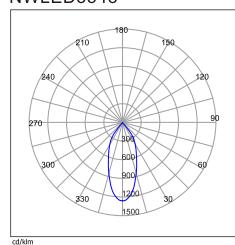
Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NWLED5513-1	110-240V	12PCS	14.5W	872lm	3000K	25°	>80
NWLED5513-1	110-240V	12PCS	14.5W	950lm	6000K	25°	>80
NWLED5513-2	110-240V	6PCS	7.5W	502lm	3000K	25°	>80
NWLED5513-2	110-240V	6PCS	7.5W	550lm	6000K	25°	>80

NWLED3543 NWLED3544

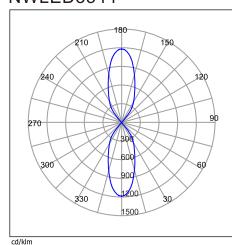


Photometric Data

NWLED3543



NWLED3544



Specification

- Aluminum housing
- Tempered glass cover
- Bridgelux COB LEDs
- LED driver included
- IP54

Applications

- Wall decoration
- Corridors
- Balconies

Options

- Choice of :
- 9.4W one direction
- 18.5W up + down

Color



Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NWLED3543	110-240V	1PC	9.4W	760lm	3000K	45°	>80
NWLED3543	110-240V	1PC	9.4W	760lm	6000K	45°	>80
NWLED3544	110-240V	2PC	18.5W	1520lm	3000K	45°	>80
NWLED3544	110-240V	2PC	18.5W	1520lm	6000K	45°	>80

NWLED3501

CE IP₅₄ 30000H



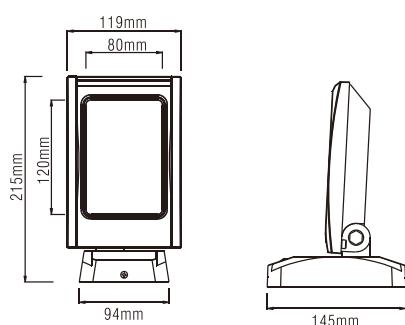
Specification

- Die-cast aluminum housing
- Frosted tempered glass diffuser
- SMD LEDs(NWLED3501A)
- High power LEDs(NWLED3501B)
- LED driver included
- IP54

Applications

- Wall decoration
- Corridors

Color



Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NWLED3501A	110-240V	24PCS	12W	900lm	3000K	60°	>70
NWLED3501A	110-240V	24PCS	12W	900lm	6000K	60°	>70
NWLED3501B	110-240V	12PCS	12W	1100lm	3000K	50°	>70
NWLED3501B	110-240V	12PCS	12W	1100lm	6000K	50°	>70

NWLED3501A with clear glass
NWLED3501B with frosted glass

NWLED3515 NWLED3516



Specification

- Die-cast aluminum housing
- Tempered glass lens
- CREE COB LEDs
- LED driver included
- IP54

Applications

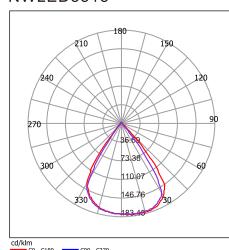
- Wall decoration
- Corridors
- Columns

Color

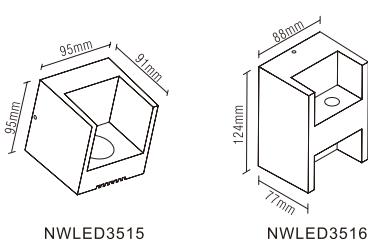
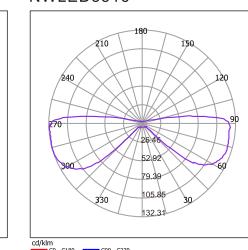


Photometric Data

NWLED3515



NWLED3516



NWLED3515

NWLED3516

Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NWLED3515	110-240V	COB	7W	400lm	3000K	45°	>70
NWLED3515	110-240V	COB	7W	400lm	6000K	45°	>70
NWLED3516	110-240V	2xCOB	14W	900lm	3000K	45°	>70
NWLED3516	110-240V	2xCOB	14W	900lm	6000K	45°	>70

NWLED5541

CE IP₅₄ 30000H



Specification

- Die-cast aluminum housing
- Clear glass lens
- CREE LEDs
- LED driver included
- IP54

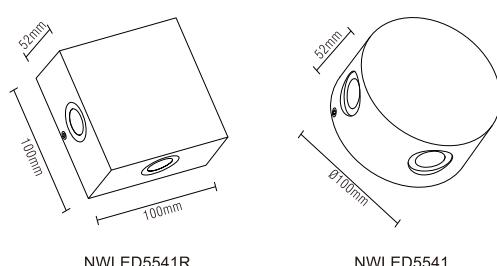
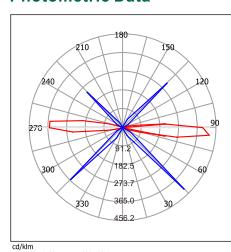
Applications

- Wall decoration
- Balconies

Color



Photometric Data



NWLED5541R

NWLED5541

Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED5541R	110-240V	4PCS	5.5W	321lm	3000K	>80
NWLED5541R	110-240V	4PCS	5.5W	350lm	6000K	>80
NWLED5541	110-240V	4PCS	5.5W	321lm	3000K	>80
NWLED5541	110-240V	4PCS	5.5W	350lm	6000K	>80



NWLED3506

CE IP54 30000H

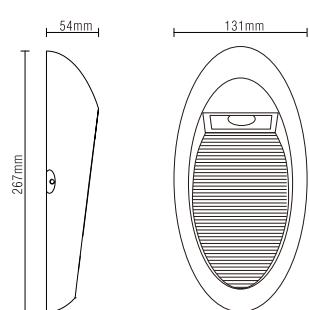


Specification

- Die-cast aluminum housing
- Tempered glass cover
- COB LEDs
- LED driver included
- IP54

Applications

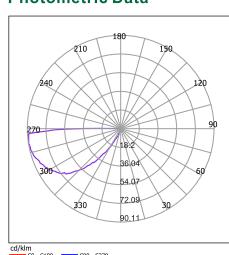
- Wall decoration
- Corridors
- Balconies



Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED3506	110-240V	COB	3.5W	110lm	3000K	>70
NWLED3506	110-240V	COB	3.5W	110lm	6000K	>70

NWLED3507

CE IP54 30000H



Specification

- Die-cast aluminum housing
- Tempered glass cover
- COB LEDs
- LED driver included
- IP54

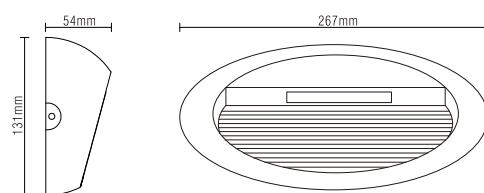
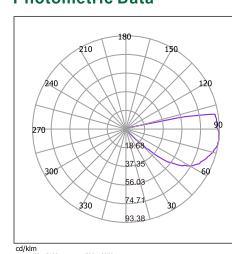
Applications

- Wall decoration
- Corridors
- Balconies

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED3507	110-240V	COB	3.5W	130lm	3000K	>70
NWLED3507	110-240V	COB	3.5W	140lm	6000K	>70

NWLED3533

CE IP54 30000H

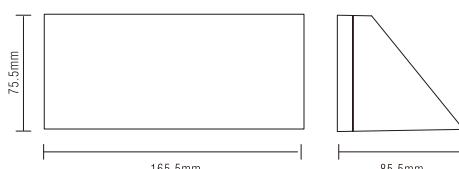


Specification

- Die-cast aluminum housing
- Frosted tempered glass cover
- COB LEDs
- LED driver included
- Ip54

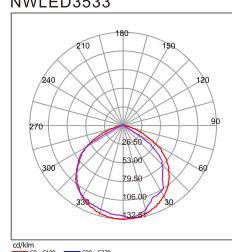
Applications

- Wall decoration
- Corridors



Photometric Data

NWLED3533



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED3533	110-240V	COB	5W	300lm	3000K	>70
NWLED3533	110-240V	COB	5W	320lm	6000K	>70

NWLED3534

CE IP54 30000H



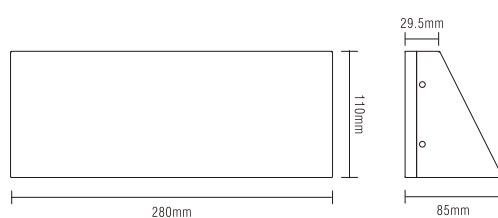
Specification

- Die-cast aluminum housing
- Frosted tempered glass cover
- SMD LEDs
- LED driver included
- IP54

Applications

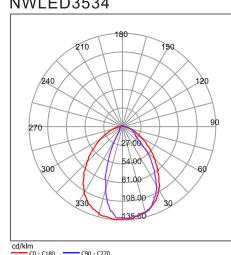
- Wall decoration
- Corridors

Color



Photometric Data

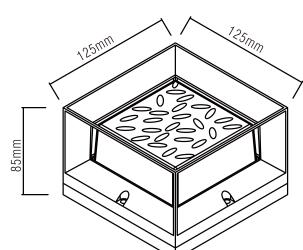
NWLED3534



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED3534	110-240V	9PCS	5W	210lm	3000K	>70
NWLED3544	110-240V	9PCS	5W	220lm	6000K	>70

NWLED3505

CE IP₅₄ 30000H



Specification

- Die-cast aluminum housing
- Frost glass cover
- COB LEDs
- LED driver included
- IP54

Applications

- Wall decoration
- Corridors

Color



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED3505	110-240V	COB	6.5W	510lm	3000K	>80
NWLED3505	110-240V	COB	6.5W	530lm	6000K	>80

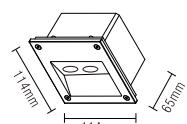
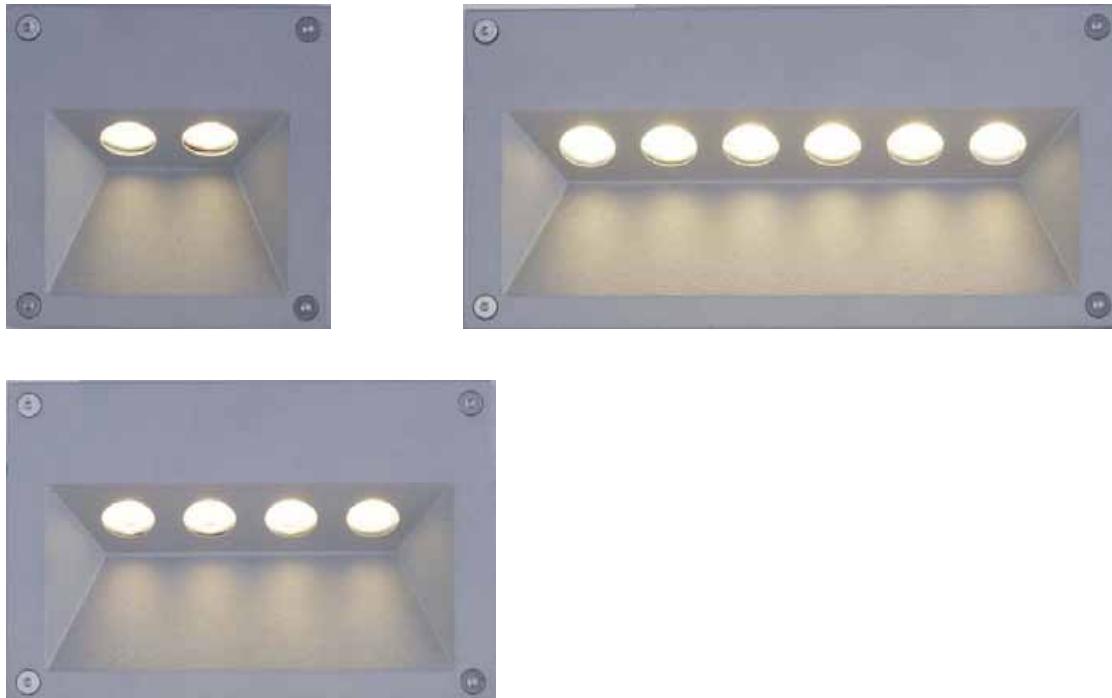




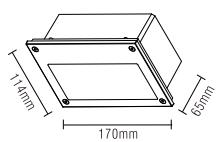
LED Recessed Wall Lights



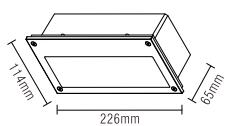
NWLED556*



NWLED5561



NWLED5562



NWLED5563

Specification

- Die-cast aluminum housing
- Clear glass lenses
- CREE LEDs
- LED driver included
- IP65

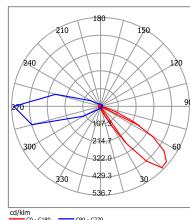
Applications

- Outdoor stairs
- Corridors
- Wall decoration

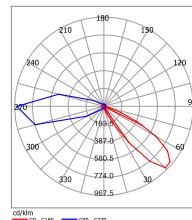
Color



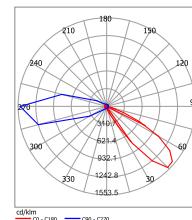
Photometric Data NWLED5561



Photometric Data NWLED5562



Photometric Data NWLED5563



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED5561	110-240V	2PCS	3.5W	169lm	3000K/6000K	>80
NWLED5562	110-240V	4PCS	5W	327lm	3000K/6000K	>80
NWLED5563	110-240V	6PCS	7.5W	529lm	3000K/6000K	>80



NWLED5565 NWLED5566



Specification

- Die-cast aluminum housing
- Clear glass lens
- CREE LEDs
- LED driver included
- IP65

Applications

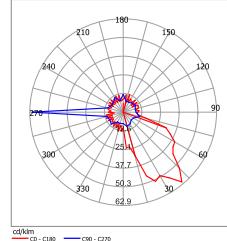
- Outdoor stairs
- Corridors
- Wall decoration

Color

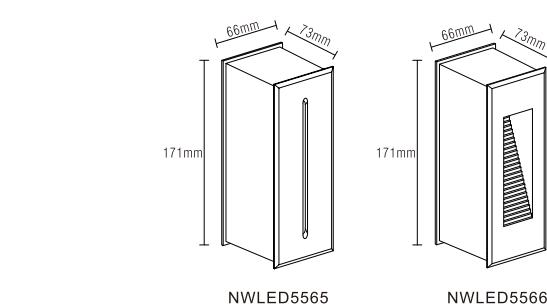
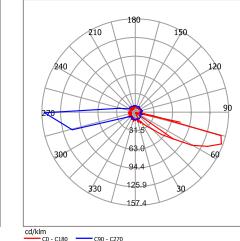


Photometric Data

NWLED5565



NWLED5566



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED5565	110-240V	1PC	4W	8lm	3000K	>80
NWLED5565	110-240V	1PC	4W	9lm	6000K	>80
NWLED5566	110-240V	1PC	4W	59lm	3000K	>80
NWLED5566	110-240V	1PC	4W	65lm	6000K	>80



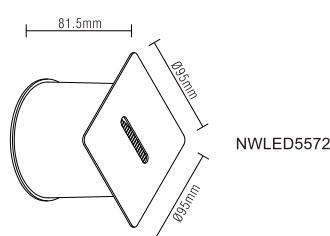
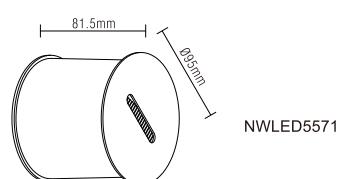
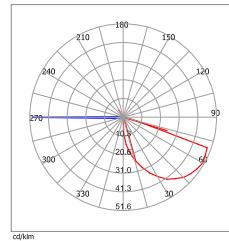
NWLED5571 NWLED5572

Specification

- Die-cast aluminum housing
- 304 stainless steel front cover
- Clear glass lens
- CREE LEDs
- LED driver included
- IP65

Applications

- Outdoor stairs
- Corridors
- Wall decoration

Color

Photometric Data


Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED5571	110-240V	1PC	4W	23lm	3000K	>80
NWLED5571	110-240V	1PC	4W	25lm	6000K	>80
NWLED5572	110-240V	1PC	4W	23lm	3000K	>80
NWLED5572	110-240V	1PC	4W	25lm	6000K	>80



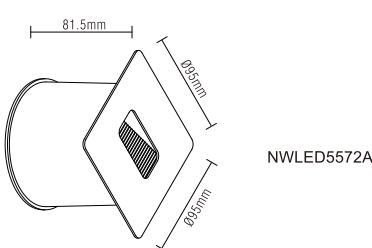
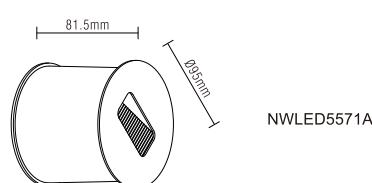
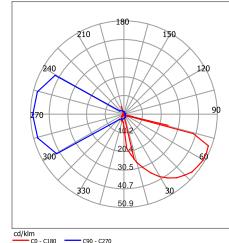
NWLED5571A NWLED5572A

Specification

- Die-cast aluminum housing
- 304 stainless steel front cover
- Clear glass lens
- CREE LEDs
- LED driver included
- IP65

Applications

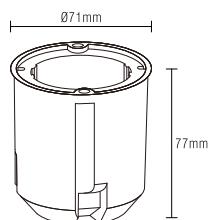
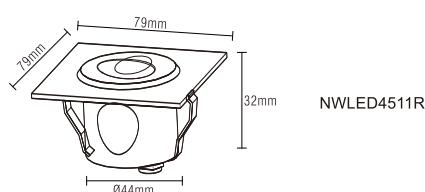
- Outdoor stairs
- Corridors
- Wall decoration

Color

Photometric Data


Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED5571A	110-240V	1PC	4W	54lm	3000K	>80
NWLED5571A	110-240V	1PC	4W	59lm	6000K	>80
NWLED5572A	110-240V	1PC	4W	54lm	3000K	>80
NWLED5572A	110-240V	1PC	4W	59lm	6000K	>80

NWLED4511

CE IP₆₅ 30000H



Specification

- Die-cast aluminum housing and front cover
- PVC mounting enclosure
- CREE LEDs
- 24V versions driver not included
- 110-240V versions driver included
- IP65

Applications

- Outdoor stairs
- Corridors
- Wall decoration

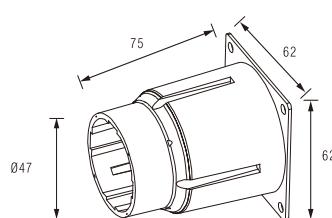
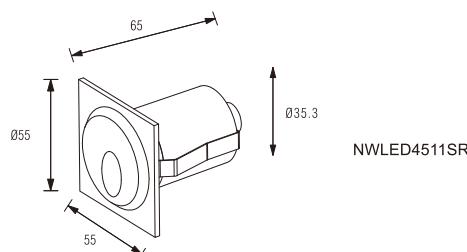
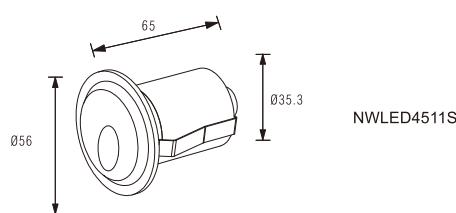
Color



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED4511	DC 24V	1PC	3W	66lm	3000K	>80
NWLED4511	DC 24V	1PC	3W	75lm	6000K	>80
NWLED4511	110-240V	1PC	3.5W	66lm	3000K	>80
NWLED4511	110-240V	1PC	3.5W	75lm	6000K	>80
NWLED4511R	DC 24V	1PC	3W	66lm	3000K	>80
NWLED4511R	DC 24V	1PC	3W	75lm	6000K	>80
NWLED4511R	110-240V	1PC	3.5W	66lm	3000K	>80
NWLED4511R	110-240V	1PC	3.5W	75lm	6000K	>80

NWLED4511S

CE IP₆₅ 30000H



Specification

- Die-cast aluminum housing and front cover
- PVC mounting enclosure
- CREE LEDs
- 24V versions driver not included
- 110-240V versions driver included
- IP65

Applications

- Outdoor stairs
- Corridors
- Wall decoration

Color



Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED4511S	DC 24V	1PC	2W	50lm	3000K/6000K	>80
NWLED4511SR	DC 24V	1PC	2W	50lm	3000K/6000K	>80

NWLED4510



External waterproof box for high voltage



Low voltage type

Specification

- Die-cast aluminum housing
- Grade 316 stainless steel bezel
- PVC mounting enclosure
- SMD LEDs
- 6MM frosted tempered glass front cover
- 24V versions driver not included
- 110-240V versions driver included
- IP65

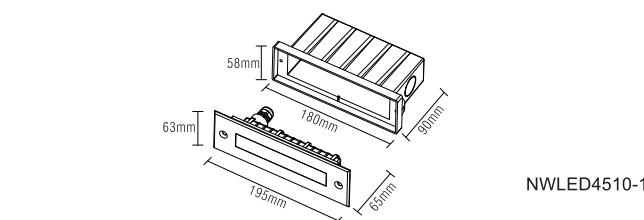
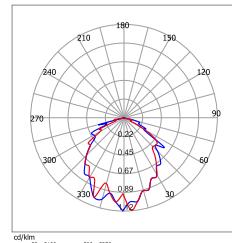
Applications

- Outdoor stairs
- Corridors
- Wall decoration

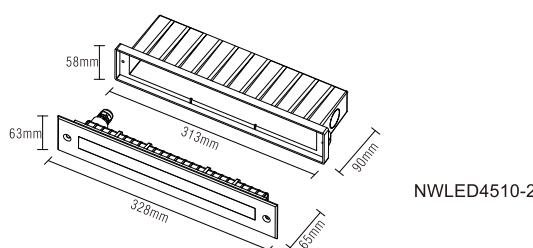
Color



Photometric Data



NWLED4510-1



NWLED4510-2

Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED4510-1	DC 24V	10PCS	2.5W	18lm	3000/6000K	>80
NWLED4510-1	110-240V	10PCS	3.5W	18lm	3000/6000K	>80
NWLED4510-2	DC 24V	20PCS	5W	36lm	3000/6000K	>80
NWLED4510-2	110-240V	20PCS	7W	36lm	3000/6000K	>80

NWLED4521 NWLED4522


IP65



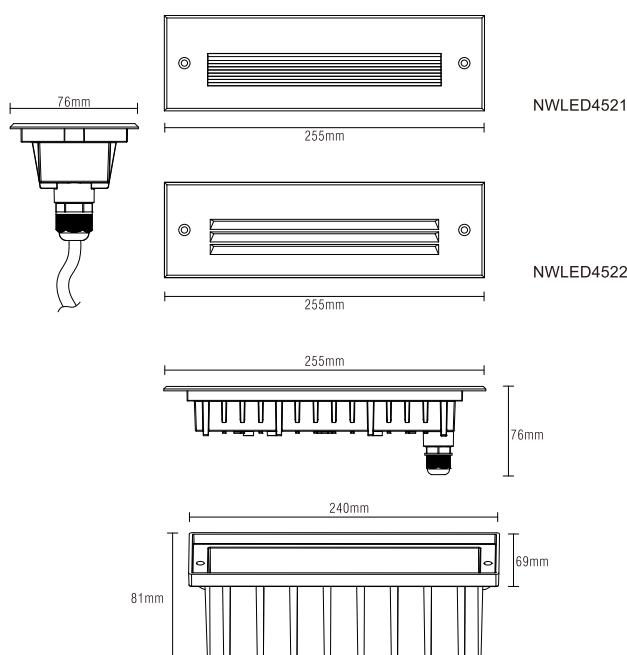
External waterproof enclosure for 110-240V driver



Low voltage type



ABS Mounting enclosure


Specification

- Die-cast aluminum housing and bezel
- Supplied complete with ABS Mounting
- Clear glass
- SMD LEDs
- 24V versions driver not included
- 110-240V versions driver included
- IP65

Applications

- Outdoor stairs
- Corridors
- Wall decoration

Color


Model	Input	LED QTY	Watts	Lumens	Color temp.	CRI
NWLED4521	DC 24V	15PCS	5W	55lm	3000K	>80
NWLED4521	110-240V	15PCS	6W	56lm	6000K	>80
NWLED4522	DC 24V	54PCS	5.5W	31lm	3000K	>80
NWLED4522	110-240V	54PCS	7.5W	36lm	6000K	>80

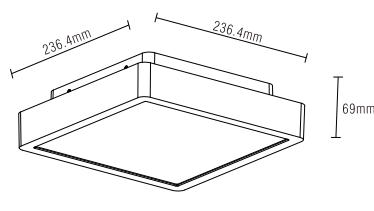


LED Canopy Lights

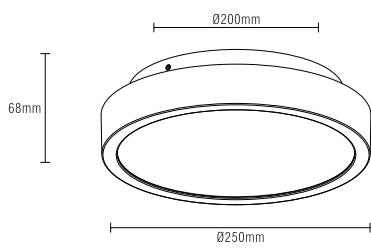


NCLED5771 NCLED5772

CE IP₅₄ 30000H



NCLED5771



NCLED5772

Specification

- Die-cast aluminum housing
- Clear glass cover
- CREE LEDs
- LED driver included
- IP54

Applications

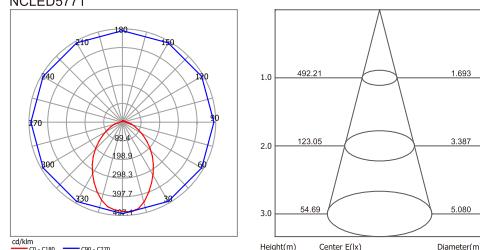
- Porches + entrances
- Corridors
- Under-canopy lighting

Color



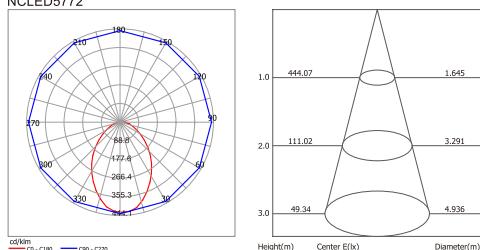
Photometric Data

NCLED5771



Photometric Data

NCLED5772

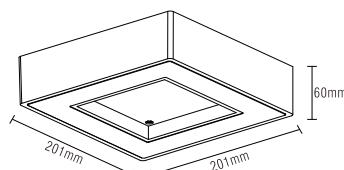


Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NCLED5771	110-240V	25PCS	18W	727lm	3000K	80°	>80
NCLED5771	110-240V	25PCS	18W	800lm	6000K	80°	>80
NCLED5772	110-240V	25PCS	19W	767lm	3000K	80°	>80
NCLED5772	110-240V	25PCS	19W	840lm	6000K	80°	>80

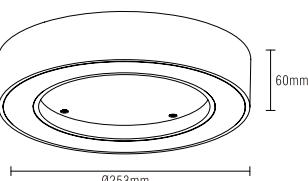


NCLED5791 NCLED5792

CE IP₅₄ 30000H



NCLED5791



NCLED5792

Specification

- Die-cast aluminum housing
- Frost PC diffuser
- CREE LEDs
- LED driver included
- IP54

Applications

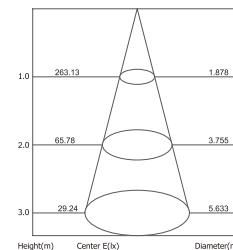
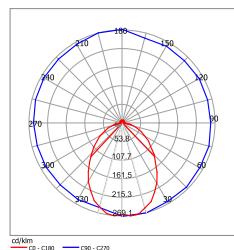
- Porches + entrances
- Corridors
- Under-canopy lighting

Color



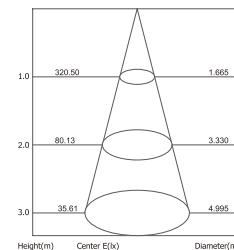
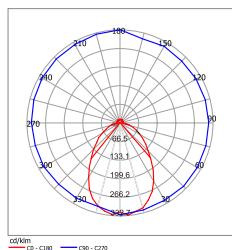
Photometric Data

NCLED5791



Photometric Data

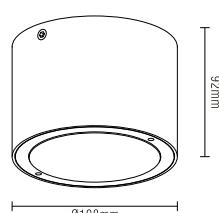
NCLED5792



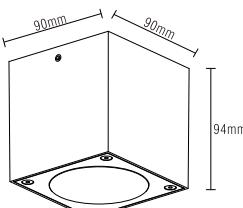
Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NCLED5791	110-240V	12PCS	25W	543lm	3000K	80°	>80
NCLED5791	110-240V	12PCS	25W	600lm	6000K	80°	>80
NCLED5792	110-240V	12PCS	25W	556lm	3000K	86°	>80
NCLED5792	110-240V	12PCS	25W	610lm	6000K	86°	>80



NLEDM934



NLEDM934



NLEDM934R

Specification

- Die-cast aluminum housing
- Clear glass cover
- CREE LEDs
- LED driver included
- IP54

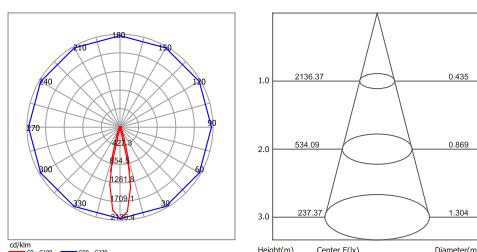
Applications

- Porches + entrances
- Corridors
- Under-canopy lighting

Color



Photometric Data



Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NLEDM934	110-240V	6PCS	7.5W	502lm	3000K	25°	80
NLEDM934	110-240V	6PCS	7.5W	550lm	6000K	25°	80
NLEDM934R	110-240V	6PCS	7.5W	502lm	3000K	25°	80
NLEDM934R	110-240V	6PCS	7.5W	550lm	6000K	25°	80



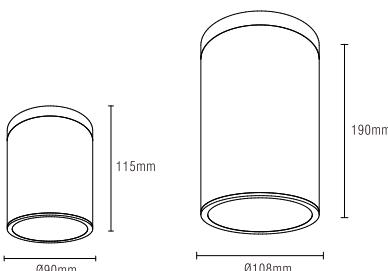
NLEDM3301 NLEDM3302

Specification

- Die-cast aluminum housing
- Frosted glass cover
- COB LEDs
- LED driver included
- IP54

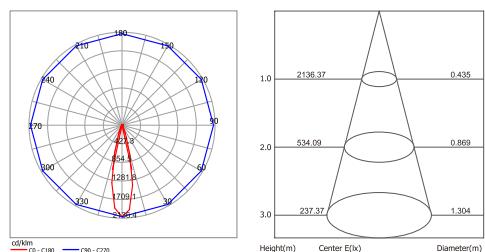
Applications

- Porches + entrances
- Corridors
- Under-canopy lighting



NLEDM3301

NLEDM3302


Photometric Data


Model	Input	LED QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NLEDM3301	110-240V	COB	8W	720lm	3000K	45°	80
NLEDM3301	110-240V	COB	8W	760lm	6000K	45°	80
NLEDM3302	110-240V	COB	12W	1080lm	3000K	35°	80
NLEDM3302	110-240V	COB	12W	1150lm	6000K	35°	80



LED Industrial Lights

NHLED302

CE IP₆₅ 50000H



Specification

- SMD LEDs
- Die-cast aluminum housing and heat sink
- 60°, 90° PC lens, 110° glass cover
- Powder coated surface treatment
- LED driver included
- 60°, 90° and 110° beam angle available

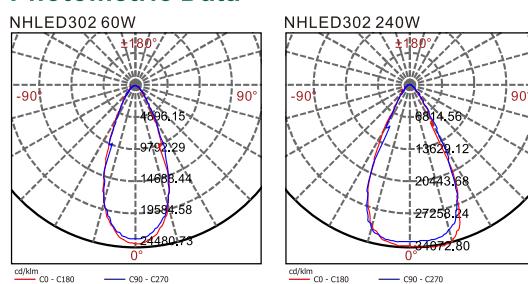
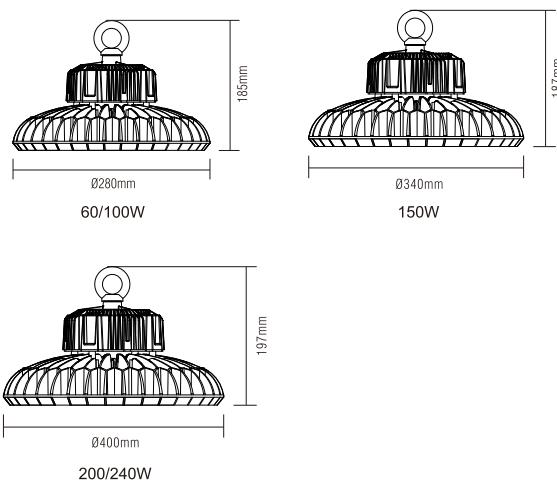
Applications

- Industrial production areas
- Warehouses
- Exhibition halls

Options

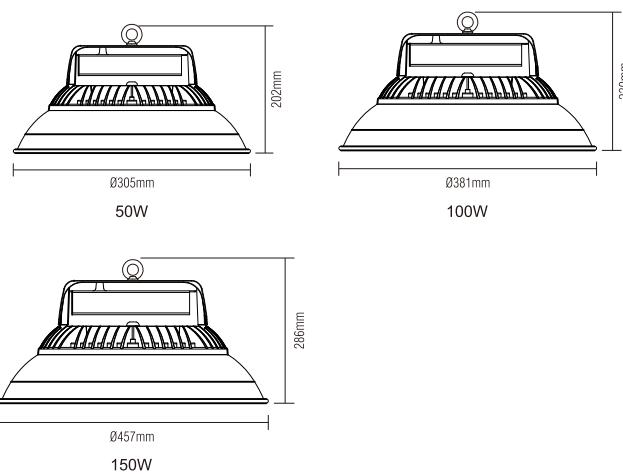
- Microwave sensor for option
- Hook mounting, pole mounting or bracket mounting for option

Photometric Data



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NHLED302 60W	110-240V	60W	9130lm	3000K/4000K/5000K/6000K	60°/90°/110°	>80
NHLED302 100W	110-240V	100W	12860lm	3000K/4000K/5000K/6000K	60°/90°/110°	>80
NHLED302 150W	110-240V	150W	20080lm	3000K/4000K/5000K/6000K	60°/90°/110°	>80
NHLED302 200W	110-240V	200W	27860lm	3000K/4000K/5000K/6000K	60°/90°/110°	>80
NHLED302 240W	110-240V	240W	34320lm	3000K/4000K/5000K/6000K	60°/90°/110°	>80

NHBLED304



Specification

- SMD LEDs
- Die-casting aluminum heat sink
- Aluminum 6063 reflector
- Powder coated surface treatment
- LED driver included
- 110° beam angle available

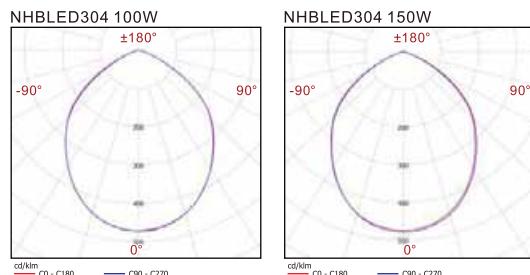
Applications

- Industrial production areas
- Warehouses
- Exhibition halls

Options

- Microwave sensor for option
- Hook mounting, pole mounting

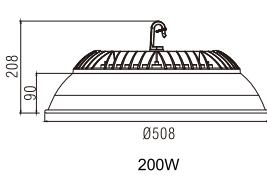
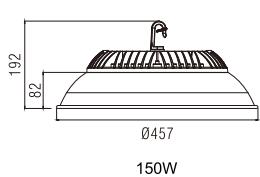
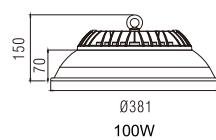
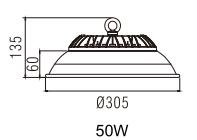
Photometric Data



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NHBLED304 50W	220-240V	50W	5360lm	4000K/6000K	100°	>70
NHBLED304 100W	220-240V	100W	10900lm	4000K/6000K	100°	>70
NHBLED304 150W	220-240V	150W	16500lm	4000K/6000K	100°	>70

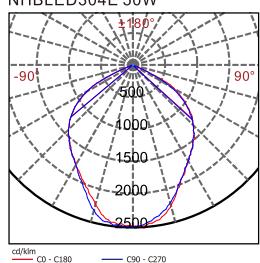
NHBLED304E

CE IP₆₅ 30000H

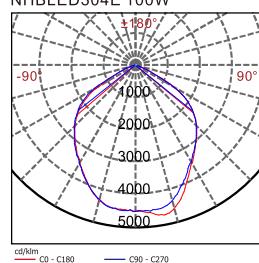


Photometric Data

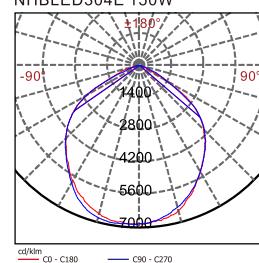
NHBLED304E 50W



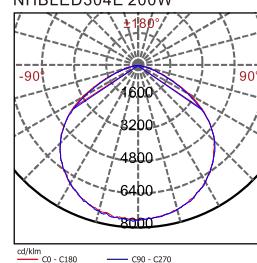
NHBLED304E 100W



NHBLED304E 150W



NHBLED304E 200W



Specification

- SMD LEDs
- Die-casting aluminum housing
- Aluminum 6063 reflector
- AC LED driver included

Applications

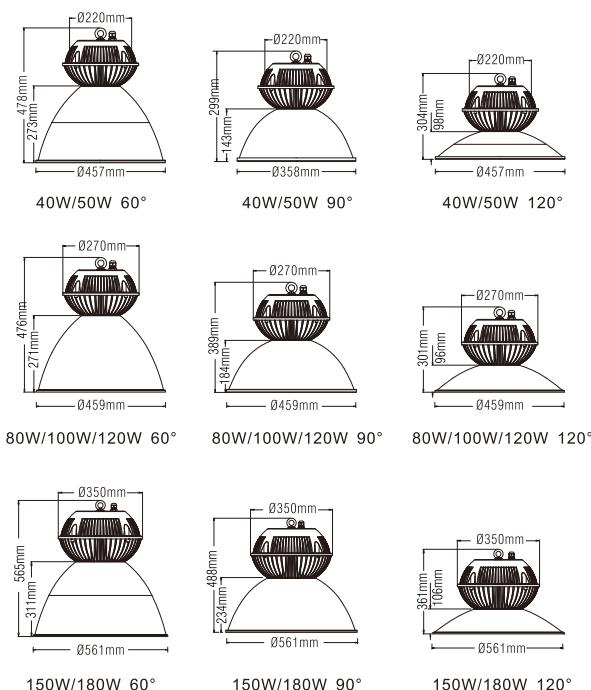
- Industrial production areas
- Warehouses
- Exhibition halls

Options

- Hookmounting, pole mounting

Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NHBLED304E 50W	220-240V	50W	4950lm	3000K/4000K/6000K	105°	>70
NHBLED304E 100W	220-240V	100W	9940lm	3000K/4000K/6000K	105°	>70
NHBLED304E 150W	220-240V	150W	15370lm	3000K/4000K/6000K	105°	>70
NHBLED304E 200W	220-240V	200W	20530lm	3000K/4000K/6000K	105°	>70

NHLED10*



Specification

- Aluminum reflector, for maximum efficiency
- Aluminum die-cast gear box with anti-corrosive powder coating finish
- COB LED module sealed in transparent lens for better illuminating and water jet protection
- LED driver included
- IP65

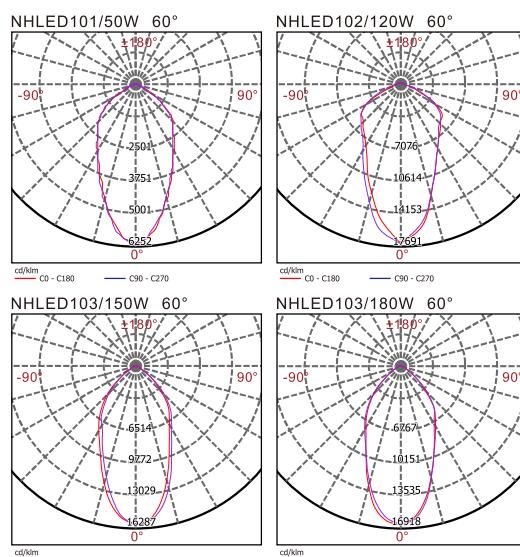
Applications

- Garages, warehouses exhibition halls, stations

Color



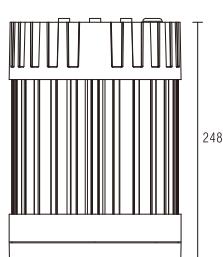
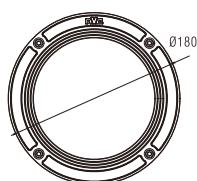
Photometric Data



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NHLED101/40W	110-240V	40W	4000lm	6000K	60°/90°/120°	>75
NHLED101/50W	110-240V	50W	5000lm	6000K	60°/90°/120°	>75
NHLED102/80W	110-240V	80W	8000lm	6000K	60°/90°/120°	>75
NHLED102/100W	110-240V	100W	10000lm	6000K	60°/90°/120°	>75
NHLED102/120W	110-240V	120W	12000lm	6000K	60°/90°/120°	>75
NHLED103/150W	110-240V	150W	15000lm	6000K	60°/90°/120°	>75
NHLED103/180W	110-240V	180W	18000lm	6000K	60°/90°/120°	>75

NCNLED102

CE IP₆₅ 30000H



Specification

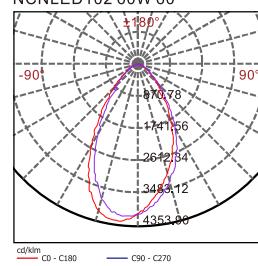
- Aluminum heat sink
- High power LEDs
- PC lens
- LED driver included

Applications

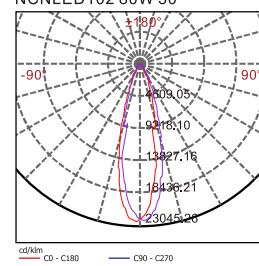
- Industrial production areas
- Warehouses
- Exhibition halls

Photometric Data

NCNLED102 60W 60°



NCNLED102 80W 30°

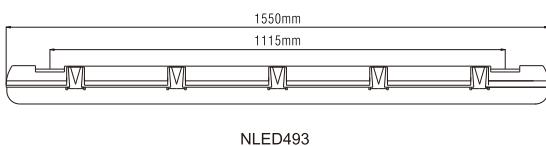
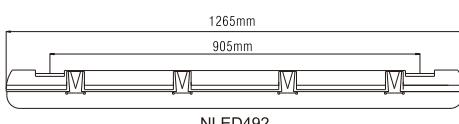
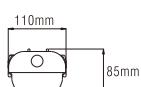


Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NCNLED102 40W	220-240V	40W	3660lm	3000K/4000K/5700K	30°/60°	80
NCNLED102 60W	220-240V	60W	5420lm	3000K/4000K/5700K	30°/60°	80
NCNLED102 80W	220-240V	80W	7390lm	3000K/4000K/5700K	30°/60°	80





NLED 49*



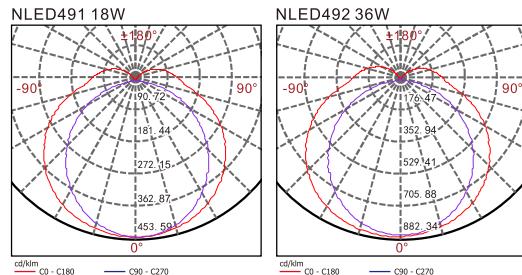
Specification

- SMD LEDs
- Constant current LED driver
- PC housing and opal PC diffuser
- IP65

Applications

- Parking garages, industrial premises, storage facilities

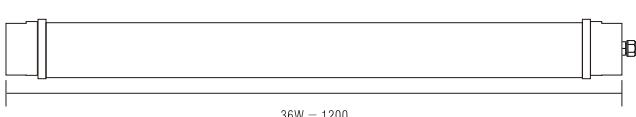
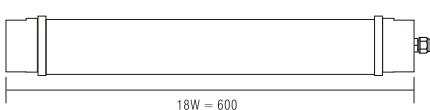
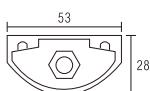
Photometric Data



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NLED491 18W	220-240V	10W	2000lm	3000K/4000K/6000K	100°	>80
NLED492 36W	220-240V	36W	3800lm	3000K/4000K/6000K	100°	>80
NLED493 54W	220-240V	54W	5200lm	3000K/4000K/6000K	100°	>80

NLBLED401

CE IP65 30000H



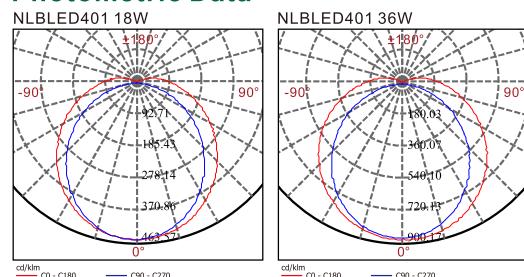
Specification

- SMD LEDs
- Constant current LED driver
- PC housing and opal PC diffuser
- IP65

Applications

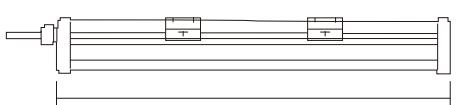
- General, Factories, Underpasses, Car parks, Bus stations, Storerooms

Photometric Data

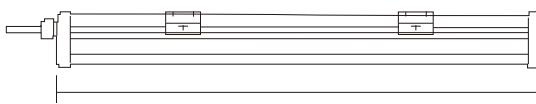


Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NLBLED401 18W	110-240V	18W	1584lm	3000K/4000K/6500K	135°	>80
NLBLED401 36W	110-240V	36W	3168lm	3000K/4000K/6500K	135°	>80

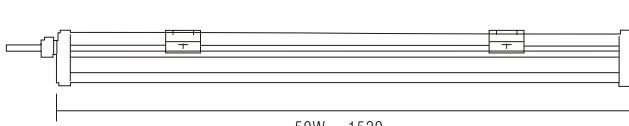
NLBLED402



16W = 620



32W = 1220



50W = 1520

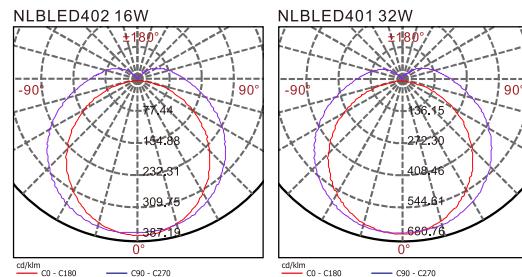
Specification

- SMD LEDs
- Constant current LED driver
- PC housing and opal PC diffuser
- IP65

Applications

- General, Factories, Underpasses, Car parks, Bus stations, Storerooms

Photometric Data



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NLBLED402 16W	220-240V	16W	1536lm	3000K/4000K/5700K	145°	>80
NLBLED402 32W	220-240V	32W	3072lm	3000K/4000K/5700K	145°	>80
NLBLED402 50W	220-240V	50W	4800lm	3000K/4000K/5700K	145°	>80

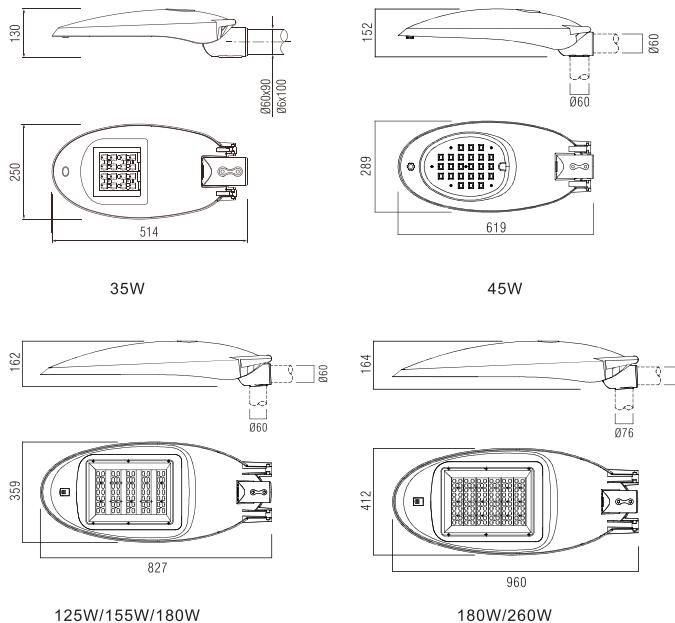


LED Street Lights

BELFRY

CE IP₆₆ 50000H





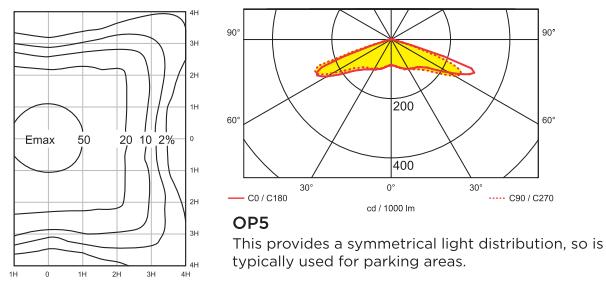
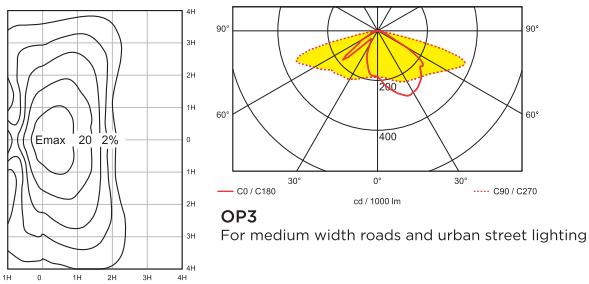
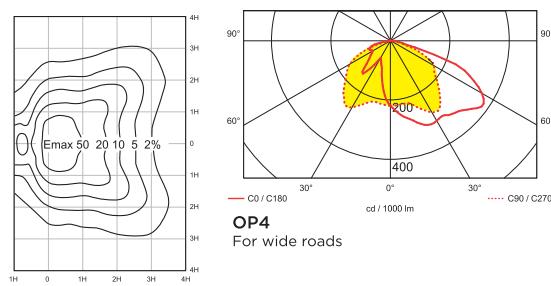
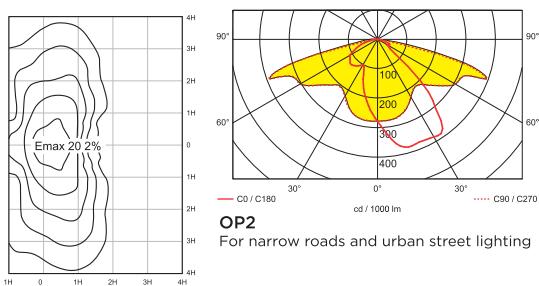
Specification

- Low copper die-casting aluminum housing and heatsink
- Tempered glass front cover
- 30KV/15KA SPD
- CREE XP-G3 LEDs
- Philips DALI driver
- ANSI C136.41 7 pin receptacle
- Coastal finish
- Toolless entry

Applications

- Roads
- Car parks
- Residential areas

Photometric Data



Model	Input	Watts	Lumens	Color temp.	CRI
NBF35UC140BSGA7CDLP	120-277V	35W	4000lm	3000K/4000K/5700K	>70
NBF45UC140ESGA7CDLP	120-277V	45W	5750lm	3000K/4000K/5700K	>70
NBF125UC140CSGA7CDLP	120-277V	125W	14500lm	3000K/4000K/5700K	>70
NBF155UC140CSGA7CDLP	120-277V	155W	18500lm	3000K/4000K/5700K	>70
NBF170UC140ESGA7CDLP	120-277V	180W	23000lm	3000K/4000K/5700K	>70
NBF180UC140GSGA7CDLP	120-277V	180W	25000lm	3000K/4000K/5700K	>70
NBF260UC140ESGA7CDLP	120-277V	260W	33000lm	3000K/4000K/5700K	>70

NRLED702B NRLED703B**CE IP₆₆ 30000H****NRLED704B NRLED705B**

NRLED702B



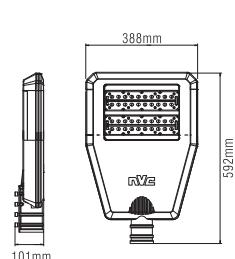
NRLED703B



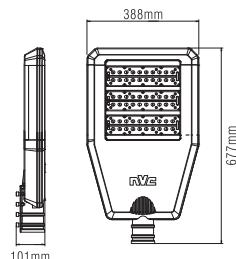
NRLED704B



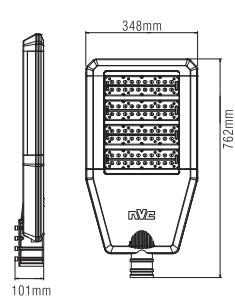
NRLED705B



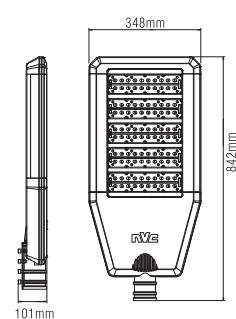
NRLED702B

 Weight: 8.5kg
 Windage: 0.17m²


NRLED703B

 Weight: 9.2kg
 Windage: 0.20m²


NRLED704B

 Weight: 10kg
 Windage: 0.23m²


NRLED705B

 Weight: 11kg
 Windage: 0.26m²

Specification

- Die-cast aluminum housing
- Modular design
- PC lens
- Lightning protection
- CREE LEDs
- LED driver included
- IP66

Applications

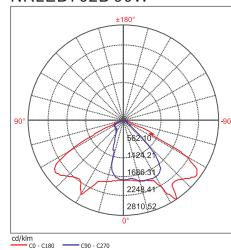
- High ways
- Streets
- Parks

Color

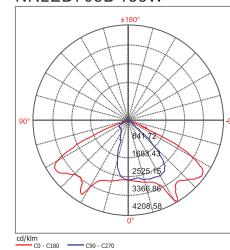


Photometric Data

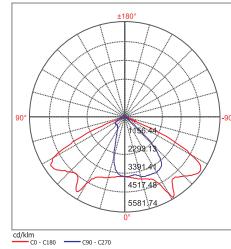
NRLED702B 90W



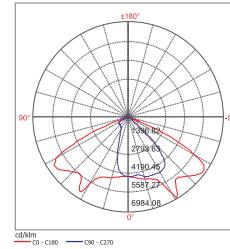
NRLED703B 135W



NRLED704B 180W



NRLED705B 225W



Model	Input	Output Current	Module QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NRLED702B	110-240V	700 mA	2PCS	90W	8550lm	3000K	75°x130°	>70
NRLED702B	110-240V	700 mA	2PCS	90W	9000lm	4500K	75°x130°	>70
NRLED703B	110-240V	700 mA	3PCS	135W	12830lm	3000K	75°x130°	>70
NRLED703B	110-240V	700 mA	3PCS	135W	13500lm	4500K	75°x130°	>70
NRLED704B	110-240V	700 mA	4PCS	180W	17100lm	3000K	75°x130°	>70
NRLED704B	110-240V	700 mA	4PCS	180W	18000lm	4500K	75°x130°	>70
NRLED705B	110-240V	700 mA	5PCS	225W	20900lm	3000K	75°x130°	>70
NRLED705B	110-240V	700 mA	5PCS	225W	22000lm	4500K	75°x130°	>70

NRLED722 NRLED723 CE  IP₆₆  30000H**NRLED724 NRLED725**

NRLED722

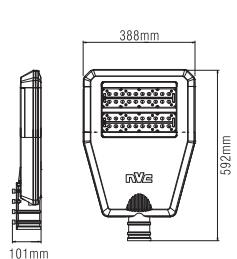
NRLED723



NRLED724

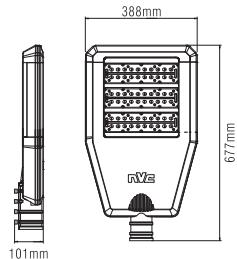


NRLED725



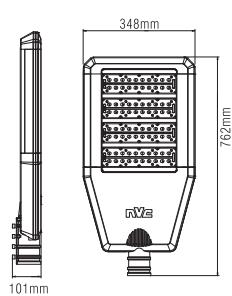
NRLED722

Weight: 8.5kg
Windage: 0.17m²



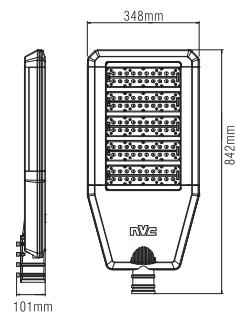
NRLED723

Weight: 9.2kg
Windage: 0.20m²



NRLED724

Weight: 10kg
Windage: 0.23m²



NRLED725

Weight: 11kg
Windage: 0.26m²

Specification

- Die-cast aluminum housing
- Modular design
- PC lens
- Lightning protection
- LUMILEDS LEDs
- LED driver included
- IP66

Applications

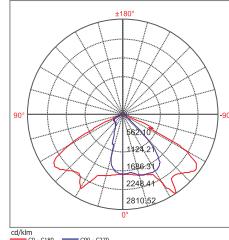
- High ways
- Streets
- Parks

Color

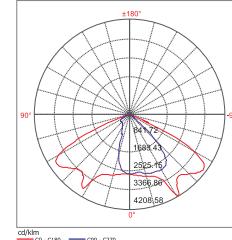


Photometric Data

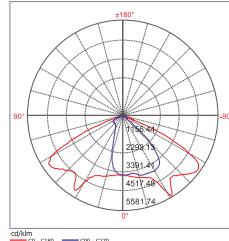
NRLED722 90W



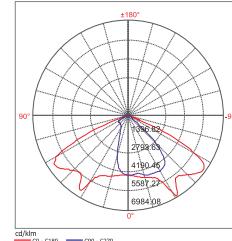
NRLED723 135W



NRLED724 180W



NRLED725 225W



Model	Input	Watts	Lumens	Color temp.	Beam angle	CRI
NRLED722 90W	110-240V	90W	9860lm	4000K	80°x140°	>70
NRLED723 135W	110-240V	135W	15260lm	4000K	80°x140°	>70
NRLED724 180W	110-240V	180W	20880lm	4000K	80°x140°	>70
NRLED725 225W	110-240V	225W	25480lm	4000K	80°x140°	>70



LED Tunnel Lights

NTLED702B NTLED703B**NTLED704B** CE  IP66  30000H

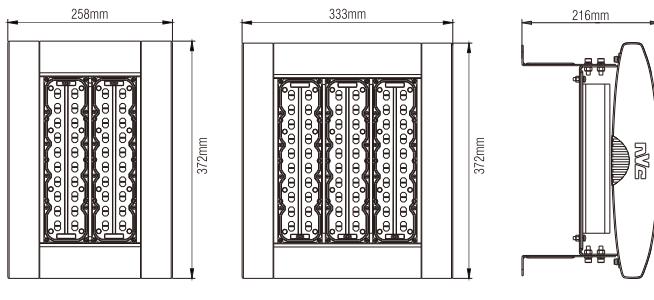
NTLED702B



NTLED703B

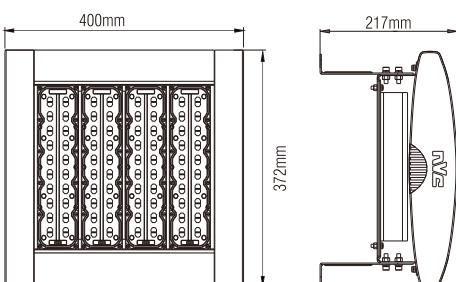


NTLED704B



NTLED702B

NTLED703B



NTLED704B

Specification

- Die-cast aluminum housing
- PC lens
- Modular design
- Lightning protection
- CREE LEDs
- LED driver included
- IP66

Applications

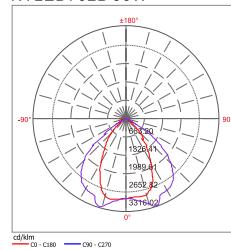
- Tunnels

Color

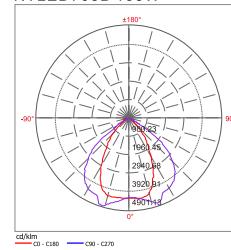


Photometric Data

NTLED702B 90W



NTLED703B 135W



Model	Input	Output current	Module QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NTLED702B	110-240V	700mA	2PCS	90W	8550lm	3000K	75°x115°	>70
NTLED702B	110-240V	700mA	2PCS	90W	9000lm	4500K	75°x115°	>70
NTLED703B	110-240V	700mA	3PCS	135W	12830lm	3000K	75°x115°	>70
NTLED703B	110-240V	700mA	3PCS	135W	13500lm	4500K	75°x115°	>70
NTLED704B	110-240V	700mA	4PCS	180W	17100lm	3000K	75°x115°	>70
NTLED704B	110-240V	700mA	4PCS	180W	18000lm	4500K	75°x115°	>70

NTLED722 NTLED723**NTLED724** CE  IP₆₆  30000H

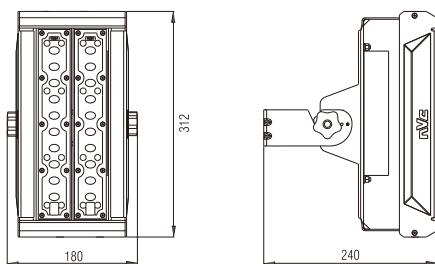
NTLED722



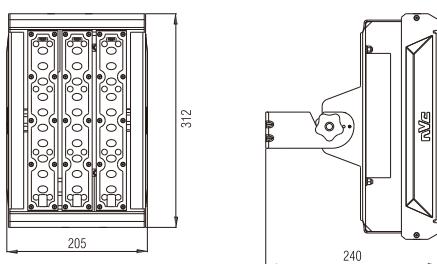
NTLED723



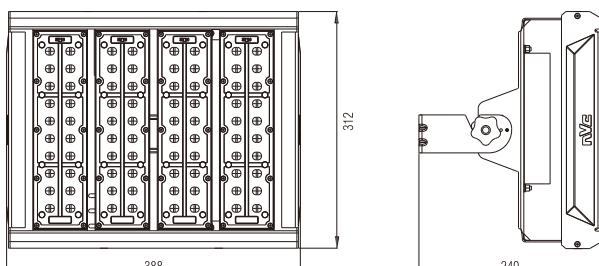
NTLED724



NTLED722



NTLED723



NTLED724

Specification

- Die-cast aluminum housing
- PC lens
- Modular design
- Lightning protection
- LUMILEDS LEDs
- LED driver included
- IP66

Applications

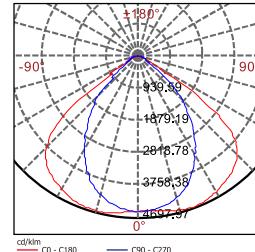
- Tunnels

Color

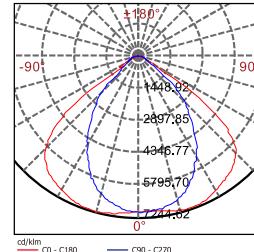


Photometric Data

NTLED722 90W



NTLED723 135W



Model	Input	Module QTY	Watts	Lumens	Color temp.	Beam angle	CRI
NTLED722	110-240V	2PCS	90W	9690lm	4000K	80°x110°	>70
NTLED723	110-240V	3PCS	135W	14860lm	4000K	80°x110°	>70
NTLED724	110-240V	4PCS	180W	20850lm	4000K	80°x110°	>70



LED Drivers

NLED-DV110*

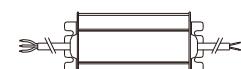
CE IP₆₅ 30000H



NLED-DV1101



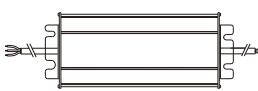
NLED-DV1102



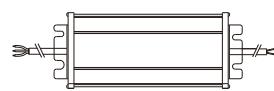
NLED-DV1103



NLED-DV1104



NLED-DV1105



NLED-DV1106

Model	L	W	H
NLED-DV1101	140mm	32mm	30mm
NLED-DV1102	145mm	40mm	30mm
NLED-DV1103	140mm	70mm	45mm
NLED-DV1104	155mm	70mm	45mm
NLED-DV1105	200mm	70mm	45mm
NLED-DV1106	220mm	70mm	45mm

Specification

- Flame resistant PC housing (20W 30W)
- Aluminum housing (60W 100W 150W 200W 240W)
- Rubber cable
- Filling with silicone

Applications

- Use with low voltage outdoor LED fittings

Model	Output watts	Input voltage	Input current	Output voltage	Output current	Efficiency	PF
NLED-DV1101	20W	110-240V	0.5A	DC24V	0.8A	≥80%	>0.45
NLED-DV1102	30W	110-240V	0.6A	DC24V	1.25A	≥84%	>0.45
NLED-DV1103	60W	110-240V	1.3A	DC24V	2.5A	≥80%	>0.93
NLED-DV1104	100W	110-240V	1.4A	DC24V	4.2A	≥85%	>0.93
NLED-DV1105	150W	110-240V	1.9A	DC24V	6.3A	≥88%	>0.93
NLED-DV1106	200W	110-240V	3A	DC24V	8.3A	≥88%	>0.93
NLED-DV1106	240W	110-240V	3.5A	DC24V	10A	≥88%	>0.93



Water proof connector type I

IP
67



Specifications

Housing material	Housing fire resistance nylon fire resistance V-0
Pin	Brass
Maximum loading current	15A/pin
Voltage	500V

Plug

	Front view				
Item No.	M02	M03	M04	M05	
Description	2-Pin plug	3-Pin plug	4-Pin plug	5-Pin plug	

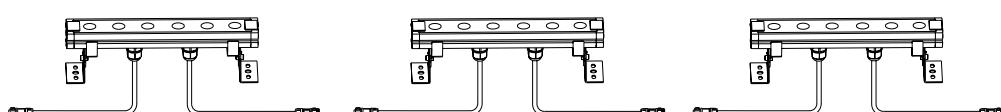
Socket

	Front view				
Item No.	F02	F03	F04	F05	
Description	2-Pin socket	3-Pin socket	4-Pin socket	5-Pin socket	

Outer Dimensions



Connection demo (fixing with I plug socket)



Water proof connector type T

IP
67



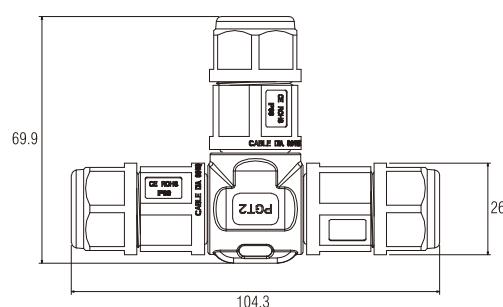
Specifications

IP Rate	67
Housing Material	Water-proof lid before connecting for safty and to protect

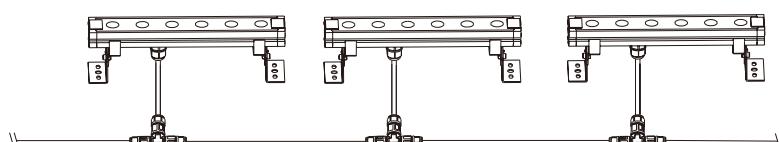
Application

Item	To2	To3	To4	To5
Pin number.	2	3	4	5
Suitable Range	Low input-Voltage Fixture	High Input- Voltage Fixture	RGB Color Changing Fixture	RGBW Color Changing Fixture

Outer Dimensions



Connection demo (Fixture with I plug)



Global Quality Approvals & Symbol Keys



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.



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

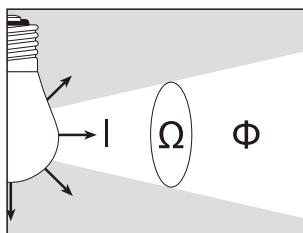
Glossary of the most important lighting terms

As with any technical or scientific discipline, lighting technology has its own special terms and concepts for defining the characteristics of lamps and luminaires and for standardizing the units of measurement.

The most important of these are described here.

Luminous flux Φ

Unit of measurement: lumen [lm]. Luminous flux Φ is all the radiated power emitted by a light source evaluated with the spectral sensitivity of the eye and the photometric radiation equivalent km.



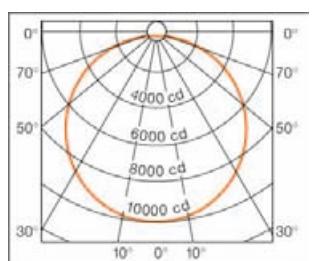
Luminous flux Φ
Luminous intensity I
is a measure of the luminous flux Φ emitted in solid angle Ω .

Light and radiation

Light is taken to mean the electromagnetic radiation that the human eye perceives as brightness, in other words that part of the spectrum that can be seen. This is the radiation between 360 and 830 nm, a tiny fraction of the known spectrum of electromagnetic radiation.

Luminous intensity I

Unit of measurement: candela [cd]. Generally speaking, a light source emits its luminous flux Φ in different directions and at different intensities. Luminous intensity is the luminous flux radiated in a particular direction (solid angle Ω).

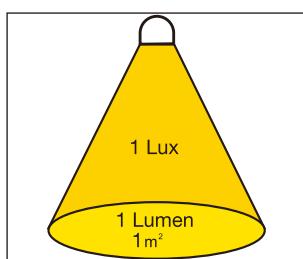


Polar diagram

Illuminanc E

Unit of measurement: lux [lx]. Illuminance E is the ratio between the luminous flux and the area being illuminated.

An illuminance of 1 lx occurs when a luminous flux of 1 lm is evenly distributed over an area of 1 m².

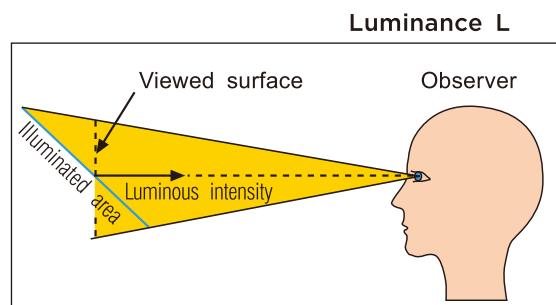


Illuminance E

Luminance L

Unit of measurement: candela per square meter [cd/m²].

The luminance L of a light source or an illuminated area is a measure of the impression of brightness.



Luminance L

The most important photometric formulae:

$$\text{Luminous intensity } I \quad [\text{cd}]$$

$$\text{Illuminance } E \quad [\text{lx}]$$

$$\frac{\text{Luminous flux}}{\text{Solid angle } \Omega \text{ [sr]}}$$

$$\frac{\text{Luminous flux falling on area } [lm]}{\text{Illuminated area } [m^2]}$$

$$\text{Luminance } L \quad [\text{cd/m}^2]$$

$$\text{Lum. efficacy } h \quad [\text{lm/W}]$$

$$\frac{\text{Luminous intensity [cd]}}{\text{Viewed luminous area } [m^2]}$$

$$\frac{\text{Generated luminous flux } [lm]}{\text{Electrical power consumed } [W]}$$

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		Liquids		
First Digit		Second Digit		
IP0	X	No-protection	IPX0	No-protection
IP1	X	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	X	Protected against solid objects up to 12mm (e.g. fingers)	IPX2	Protected against direct sprays of water up to 15 degrees from vertical
IP3	X	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	X	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	X	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	X	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.

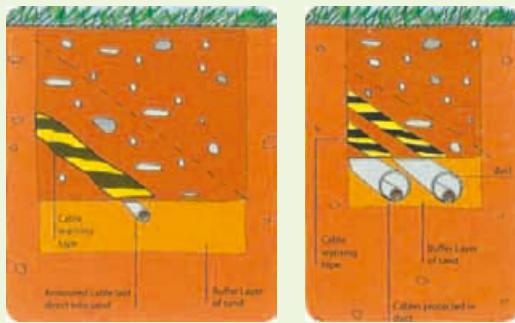
POSITIONING AND ACCESSIBILITY

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.

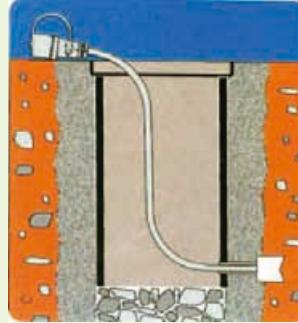
Key points to help access to the luminaire:

- 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.

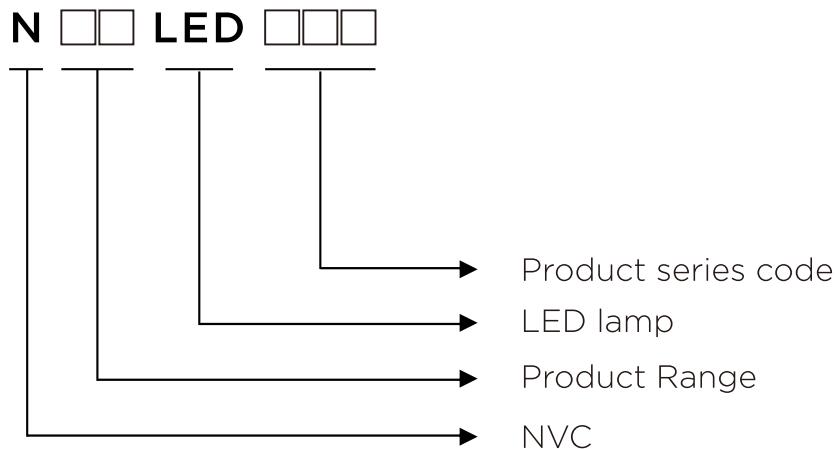
CABLE PROTECTION



RECESSED GROUND INSTALLATION



General Naming Rule:



Naming Rule: Product Range:	NVC	Abbreviation	LED	series code	Example
Flood Lights	N	FD (Flood Light)	LED	*	NFDLED5001
In-ground Lights	N	IG (In-ground Light)	LED	*	NIGLED4233
Underwater Lights	N	UW (Underwater Light)	LED	*	NUWLED4322
Bollard Lights	N	BL (Bollard Light)	LED	*	NBLLED5613
Post Top Lights	N	PT (Post Top Light)	LED	*	NPTLED037
Wall Lights (Mounted)	N	WM (Wall Light-Mounted)	LED	*	NWMLED0501
Canopy Lights	N	CN (Canopy Light)	LED	*	NCNLED5772
Wall Washer Lights	N	WW (Wall Washer Light)	LED	*	NWWLED303
Linear Lights	N	LN (Linear Light)	LED	*	NLNLED476
Pixel Lights	N	PX (Pixel Light)	LED	*	NPXLED305
Highbay Lights	N	HB (Highbay Light)	LED	*	NHBLED302
Lowbay Lights/IP65 Battens	N	LB (Lowbay Light)	LED	*	NLBLED304
Gas Station Lights	N	GS (Gas Station Light)	LED	*	NGSLED110
Roadway Lights	N	RW (Roadway Light)	LED	*	NRWLED701A
Tunnel Lights	N	TN (Tunnel Light)	LED	*	NTNLED703
Drivers	N	DR (Drivers)	LED	*	NDRLED1101

* can be numbers or letters



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②  Denmark

③  Finland

④  Sweden

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