




**LED LIGHTING
PRODUCT CATALOGUE**

www.greenie-world.com

The background image shows the interior of a church. The ceiling is a prominent feature, with a complex, geometric design of white, angular panels that create a series of deep, recessed areas and sharp peaks. The pews are made of light-colored wood and are arranged in rows, facing towards the front of the church. The walls are also light-colored, and there are some religious paintings or posters visible on the right side. The overall atmosphere is modern and architectural.

Greenie Poland is involved in sales and provision of consultancy services on the use of the latest LED lighting, infrared heating and renewable energy technologies. The catalogue that you hold in your hands presents the LED light sources produced under the **Greenie** brand. Compared to the European competition, **Greenie** products stand out for:

- **high quality of workmanship,**
- **longer warranty periods in comparison with the standards adopted in the European market,**
- **the use of the best components from the global leaders in electronic market,**
- **the highest value-for-money ratio on the Polish market.**

Greenie LED lighting is used as a professional lighting in industrial halls and streets, and also for lighting of all types of residential, office and public buildings as well as exterior spaces. As one of the few companies in Poland we perform independent tests and measurements of our products to confirm their quality and parameters.

WHY IS IT WORTH INVESTING IN GREENIE LED LIGHTING?

ECONOMY – LED technology is the most cost-effective source of light. This means reducing your electricity bills by up to several dozen percent.

ENERGY EFFICIENCY – the use of LED technology reduces electricity consumption by as much as 90% while retaining the existing light parameters. In addition, the LED lighting operates with its full power immediately after switching on – LED bulbs do not consume any extra energy for heating up.

PRODUCT LIFE – much longer than in the case of ordinary incandescent bulbs or the so-called „energy-saving” fluorescent lamps. The LED lighting may provide the same illumination for up to 50,000h, with no loss of efficiency.

STYLISTICS – LED technology gives us unique, unprecedented possibilities of arrangement using a wide range of Greenie products.

ECOLOGY – unlike the so-called energy saving lamps, GREENIE LED lighting does not contain mercury or other substances dangerous to the environment and our surroundings. They are also 100% biodegradable.

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GREENIE Poland offers state-of-the-art LED lighting and infrared heating. We create **GREENIE** brand that is a response to the growing consumer needs within technology, design, ecology and energy saving.

GREENIE Poland was founded in February 2012 by the engineers with experience in banking and finance. Since the very beginning the company's offer included the unique **GREENIE** LED AluCorn industrial lighting and street lighting, which thanks to its efficiency and faultlessness was appreciated by our customers and ensured rapid development of our company.

At present, our offer includes all types of LED lighting – from street, industrial, office and commercial lighting to home lighting solutions. Thanks to the experience of the company founders in the financial world, special attention is paid to the energy-saving benefits of using our LED lighting. It also allows active support for our customers in implementing free of charge LED lighting modernization. Thanks to the customizing our products and offer in order to meet individual needs of our customers we can enjoy continuous growth of our company and expansion into foreign markets.

PILLARS OF THE GREENIE BRAND

I. ENLIGHTENED ENERGY

The first pillar on which the **GREENIE** brand is based. Wisdom, expertise, experience, consciousness. We use the latest technological advances to live in a more comfortable, more cost-effective, more efficient and better world. We use our broad business and technical experience for the benefit of all of us.

„Enlightened energy” means the energy enlightened by the experience, expertise and values of its use. We do not stop in the effort to make everyone enjoy the „enlightened energy” as much as we do.

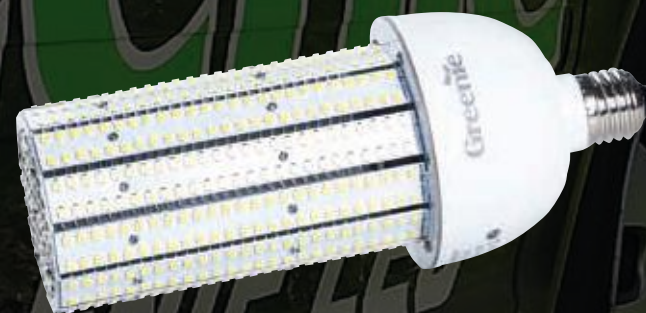
II. ECOLOGY OF SAVINGS

The second pillar on which the **GREENIE** brand is based. Ecology is pure profit. We provide hard, tangible financial evidence for this. We detail the savings from the investments made with the use of the **GREENIE** brand LED products. Except for measurable financial benefits, the use of LEDs – through lower energy consumption – also saves our environment – for all of us here and now and for our children. Our consumers, our friends, make wise choices with us with significant consequences. For the sake of environment, for the future, for humanity. We are a living, tangible, measurable proof of the triad's validity: Invest. Use. Benefit.

III. ELECTRIC CURRENT IN GOOD DIRECTION

The third pillar on which the **GREENIE** brand is based. We practised as engineers and managers. We believe in progress, engineering, physics and mathematics. We believe that technical development makes the world better and our life easier. We want to be part of this development. We want to create this better world.

We can see savings, security, well-being and better education in good energy, in good lighting. We can see that by making good informed choices we can all go in the right direction and benefit from it.



DESIGN, ADVICE AND SUPPORT

Our company provides comprehensive advice on the choice of LED lighting or the use of infrared heating. We can select lighting to any room, regardless of its purpose – industrial, warehouse, office or residential. Our consultancy services include:

- **development of photometric designs in Dialux or Relux**, which enable adjustment of the LED light sources to current expectations and needs of the customer and are based on current lighting standards. Such a design ensures the right illumination level. Each design includes visualizations, examples are shown below.

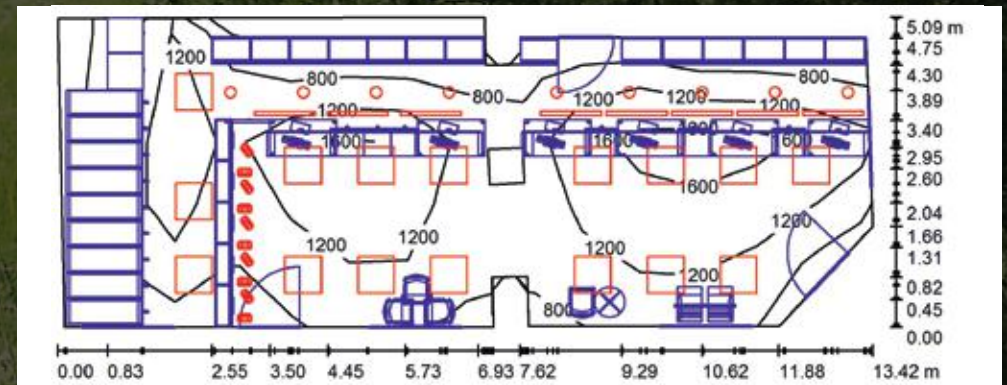


- **carrying out energy audits and financial calculations that show the real savings**, that can be obtained at the current electricity consumption, after replacing the existing lighting system with LED solution.

Performing such an audit enables you to identify the most optimal alternatives that will guarantee the fastest return on your investment. Very often in the case of our investments, this period is from 9 to 15 months.

- **we check the standards for the road class as far as the public road lighting is concerned**. For roads of heavy and medium traffic, the LED street lighting criteria are based on the roadway luminance, that is the ME class. Collision areas, parking zones, roundabouts, intersections are specified by the light intensity level and they correspond to the CE class. The zones where the allowed speed is low, i.e. residential roads, parking lots, pedestrian areas are classified using the criteria described as class S. Those are the basic 3 lighting classes. Others are an extension of the existing classes, for example the ES class refers to the S class roads where facial recognition is required, i.e. where monitoring is used or where there is a high crime threat.

- **with regard to infrared heating, we ensure that the right solution is chosen which is best suited to a specific location**. We offer full advisory support along with the calculation of estimated energy costs after installation of the infrared heating system. We are able to arrange the assembly, which is performed by the qualified electricians.



WAT VERSUS LUMEN – WHAT IS THE DIFFERENCE?

When selecting a light source or luminaire, we often base our decisions on their power or watts. However, the number of watts does not correspond directly to the amount of light produced by a given light bulb. The figure indicating the amount of light is the lumens number. Combining information from those two figures, we are able to determine to what extent a light bulb or luminaire uses the energy consumed for the production of light, that is, to determine the light output.

TYPES OF LEDS

- SMD – LEDs located directly on the PCB. Due to their dimensions, construction and specifications, there are many type of LEDs. The most common SMD diodes are: 3528, 5050, 5630, 2835.
- Power LED – is characterized by its small size and high wattage (from 1W per diode). It requires efficient heat dissipation.
- COB (chip on board) – in simplified terms it is one diode consisting of multiple small diodes. COBs are available in wattage ranging between 5 to 200W. The size of the diode increases with its wattage.

LUMINOUS EFFICACY (Lm/W)

It determines the energy efficiency of a given light source, that is, how much light (in Lumen) is produced from each 1 watt of consumed electricity. The competition often provides overstated efficiency of the diode itself – we provide the information on the efficiency of the entire light source together with the screens and the power supply. The luminous efficacy is dependent on the quality of the LED and the driver performance, but also on the colour of light (cold LEDs are more efficient than the warm LEDs) and the type of diode screen (matt screen reduces the efficacy by 5-10% but dissipates more light).

LUMEN VERSUS LUX – WHAT IS THE DIFFERENCE?

The figure in lumens determines the amount of light produced by a given light source in all directions. The figure in lux determines the amount of light on a given surface (lumens per 1 square meter).

CRI – WHAT IS IT AND WHY IS IT SO IMPORTANT IN LIGHTING?

CRI is a colour rendering index. It is expressed as a number from 0 to 100. It determines how well the colours of the illuminated objects are shown. The higher the CRI, the better the colours are shown, and the illuminated objects look more natural. The low CRI is characteristic for, i.e. sodium lamps and high CRI – good quality LED products. A CRI equal 100 means that the objects viewed in this light have the same colours as those seen when they are illuminated by sunlight.



LIGHT DISTRIBUTION

In order to illustrate the light distribution of a luminaire (sometimes also a light source), measurements of its light in different directions are performed. After converting the obtained results into values that would be obtained using light sources with a total luminous flux of 1000 lm, a luminous curve (graph) of the luminaire is drawn. After the conversion to 1000 lm we can compare the light curves created for luminaires with different light sources.

Our lighting is produced based on the highest quality LEDs of the world-renowned companies:



BUYING LED LIGHTING IS ONE OF THE BEST INVESTMENTS

Electricity savings following the replacement of your lighting with LED lighting are so high that the purchase pays for itself just after a few months. This is a zero risk investment because the return on investment usually takes place a long time before the elapse of the warranty period we provide on LED Greenie lighting.



CALCULATION OF SAVINGS PREPARED FOR ONE OF OUR CUSTOMERS (MANUFACTURE OF PACKAGING AND ADVERTISING MATERIALS). THE PROJECT COMPLETED IN THE AREA OF ŁÓDZKIE VOIVODSHIP.

Assumptions for the project:	
Net price of 1 kWh [PLN/kWh]: (including transmission charges, administrative charges, etc.)	0,44
Number of days when the lighting is used in a year	365
Installation cost [PLN net/pc]	35

Return on invested capital (ROI):	
Return on investment:	89% per year
Warranty period for LED lighting:	14 months
	36 months

Type and wattage of the current light source	Wattage of sources [W]	Ballast [W]	Number of light sources	operating time [h/day]	Proposed LED Greenie substitute	Wattage of sources [W]	Number of sources	Net price	Net amount:	*Annual savings [PLN net]
Fluorescent lamps 58W150cm	58	10	400	20	1500mm 30W LEDT8 Professional Aluminium matte LED tube	30	400	PLN 92.68 zł	PLN 37 072.00	48 822.40
Industrial sodium lamps 400W	400	40	70	20	Greenie HighBay Fiat 200W LED light	200	70	PLN 891.17	PLN 62 381.90	PLN 53 961.60
			470		Net cost of purchase of goods:				PLN 99 453.90	PLN 102 784.80

SAVINGS FOR THE COMPANY THANKS TO THE REPLACEMENT OF LIGHTING WITH LED PRODUCTS:	
	in PLN net
Savings after the first year	-13 119.90
Savings after 2 years	89 664.10
Savings after 3 years	192 448.10
Savings after 4 years	295 232.10
Savings after 5 years	398 016.10
Savings after 6 years	500 800.10
Savings after 7 years	603 584.10
Savings after 8 years	706 368.10
Savings after 9 years	809 152.10
Savings after 10 years	911 936.10

*calculated on the basis of differences in the energy consumption of the lighting currently used and the LED substitutes proposed by us

Net cost of purchase of goods:	99 453.90
Net cost of exchanged parts:	16 450.00
Total net investment cost:	115 603.90
The amount of energy saved per year:	233 600.00 kWh
Annual savings due to lower energy bills:	PLN 102 784.00

	PRESENT STATE (before replacement)	STATE after modernization and replacement with LED
Annual energy consumption	423 400 kWh	172 280 kWh
Annual energy cost	PLN 186 296 net	PLN 75 803 net

STREET LIGHTING








Good street lighting improves the safety of drivers and pedestrians. The perfectly white light emitted by the LEDs, unlike the yellow light emitted by the sodium lamps, definitely improves visibility and driving comfort. The surroundings are seen as brighter, it is easier to judge the distance from a particular object or person – hence the driver's or pedestrian's response in an emergency situation can be much quicker.

The products offered by our company can be divided into two categories: luminaires with integrated diodes and replaceable sources for light fittings (light bulbs). Greene LEDs can replace virtually any type of sodium lamp or mercury light bulb. Greenie also offers products that will be perfect as park lighting.

Main benefits of using Greenie street lighting:

- electricity charges up to 80% lower;
- possibility to replace only the light source;
- improved security and better visibility.



		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
Strada LED street luminaires		<ul style="list-style-type: none"> • mounting bracket for pole mounting, movable within the range of 0-90°; • built-in level line that facilitates correct alignment with the road; • the light housing can be operated without tools, facilitating its maintenance; • the light is made of the best components, it is very efficient; • the light parameters meet most of the tender requirements. 	35W, 60W, 90W, 120W	150W-400W	8
Bridgelux LED street luminaires		<ul style="list-style-type: none"> • unique, robust, very durable, waterproof housing; • the light is available with a dimmer; • effective replacement of sodium lamps; • mounting hole diameter 40-50mm. 	20W, 30W, 50W, 80W, 120W, 180W	100W-500W	10
Lagoon LED street luminaires		<ul style="list-style-type: none"> • modern design and affordable price guarantee a great market success for the series; • mounting hole diameter 45-60mm; • grey colour of housing; • other colours available on request. 	20W, 40W, 60W	100W-250W	12
Modular Panel LED street luminaires		<ul style="list-style-type: none"> • light housing made of aluminium and weather resistant ASA plastics; • adjustable beam angle of each panel +/- 6 degrees; • the light may be dimmed by a 0-10V signal, PWM or via DALI system. 	60W, 90W, 120W, 150W, 210W	250W-700W	14
LED ST Professional street light bulbs		<ul style="list-style-type: none"> • clear white light generated to improve visibility on roads; • special protection for trouble-free installation in any light fitting; • resistance to voltage surges of about 8kV • mounted to the existing sodium, mercury or metal-halide light fittings; • available with E27 or E40 thread. 	27W, 36W, 45W, 54W, 75W	150W-400W	16
LED solar street lights		<ul style="list-style-type: none"> • time of autonomous operation in Polish environment is 19h; • sensor operating range up to 10m; • mounting hole diameter 70mm; • control of the light with the included remote control – 4 operating modes; • motion sensor operating range up to 14m. 	12W, 20W	30W-50W	18
Elementum LED lights		<ul style="list-style-type: none"> • COB LEDs are enclosed in waterproof modules; • decorative light ring in blue; • aluminium housing in grey with plastic finish. 	40W	120W	20
Park LED bulbs		<ul style="list-style-type: none"> • assembly in horizontal and vertical light fittings; • diodes equipped with a system to prevent overheating; • 3528 SMDs applied; • perfect for park light fittings. 	20W, 38W	80W-200W	21

Strada LED street luminaires

Greenie Strada LED street lamps are made of special Samsung panels containing modern 351B diodes. The lights are distinguished by very high power factor, which is > 0.98 . With their IP class of IP66 and mechanical resistance of IK08, the Strada Series lights are extremely resistant to external weather conditions and mechanical damage. Thanks to its special design, the light is protected against surges of up to 10kV (RPM220-10/T) and accumulation of moisture inside the housing. Housing colour: RAL 7037.

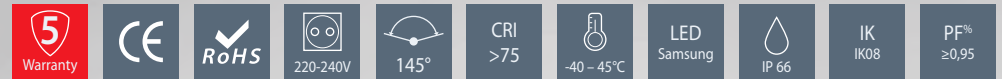
Strada 60W LED street luminaire



Specification

- glass lampshade made of tempered glass;
- mounting bracket for pole mounting, movable within the range of 0-90°;
- built-in level line that facilitates correct alignment with the road;
- the light housing can be operated without tools, facilitating its maintenance;
- dimming: DALI and PWM.

Strada LED street luminaires



Strada 60W LED street luminaire



Strada 90W LED street luminaire

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
ST35NW	4000-4500	35	150	3605	103	18	690 x 305 x 135	4,4kg
ST60NW	4000-4500	60	250	6395	106	36	690 x 305 x 135	4,6kg
ST90NW	4000-4500	90	320	9000	100	40	690 x 305 x 135	9,0kg
ST120NW	4000-4500	120	400	12000	100	54	690 x 305 x 135	9,5kg

Bridgelux LED street luminaires

Greenie Bridgelux LED street luminaires are based on Bridgelux COBs and are equipped with the MeanWell driver – the world leading brand. The luminaires are made of aluminium powder coated white or black. The LED lens provides wide light distribution. The lights are dedicated to street lighting. They are also suitable for parking, park or square lighting. In addition, due to its modern design the lamp can also be used in the yards of single-family houses.



Bridgelux 20W LED street luminaire



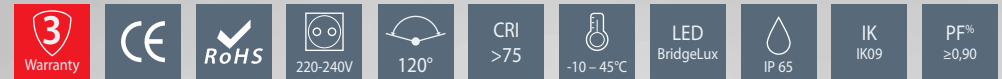
Bridgelux 120W LED street luminaire

Specification

- the light is available with a dimmer;
- models are available from 20W already;
- effective replacement of sodium lamps;
- mounting hole diameter 50mm.

Bridgelux LED street luminaires

Bridgelux 30W LED street luminaire



Bridgelux 120W LED street luminaire



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
Black CW housing White CW housing	UOC20CW UOB20CW	5500-6500	20	100	2200	110	1	460 x 190 x 90	3,6kg
Black CW housing White CW housing	UOC30CW UOB30CW	5500-6500	30	150	3300	110	1	460 x 190 x 90	3,6kg
Black CW housing White CW housing	UOC50CW UOB50CW	5500-6500	50	200	5500	110	1	460 x 190 x 90	3,6kg
Black CW housing White CW housing	UOC80CW UOB80CW	5500-6500	80	250	8800	110	1	500 x 217 x 80	5,9kg
Black CW housing White CW housing	UOC120CW UOB120CW	5500-6500	120	400	13200	110	2	720 x 280 x 100	7,1kg
Black CW housing White CW housing	UOC180CW UOB180CW	5500-6500	180	500	19800	110	3	802 x 320 x 130	13kg

Lagoon LED street luminaires



Greenie Lagoon LED street luminaires are made of panels containing 3030 SMDs. A wide beam angle of 150° provides light for large areas of the street or car park. The lights stand out with their simple but classic, yet modern design that will appeal to anyone. Lagoon lights are weatherproof – IP65 IP Code. Thanks to their lightweight and compact design they can be mounted even without the use of specialized equipment.

Lagoon 60W LED street luminaires



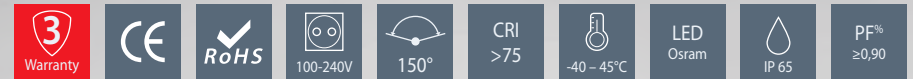
Lagoon 40W LED street luminaires



Specification

- mounting hole diameter 45-60mm;
- grey colour of housing;
- other colours available request.

Lagoon LED street luminaires



Lagoon 40W LED street luminaire



Lagoon 20W LED street luminaire



Lagoon 60W LED street luminaire

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LG20SNW	4000-4500	20	100	2100	105	18	385 x 230 x 108	2,46kg
LG40SNW	4000-4500	40	180	4200	105	36	385 x 230 x 108	2,67kg
LG60SNW	4000-4500	60	250	6300	105	54	385 x 230 x 108	2,76kg

Modular Panel street luminaires

LED Modular Panel luminaire is a replacement for street luminaires with sodium, mercury or metal-halide lamps. This is a very cost effective solution for street lighting. The panel design is based on Bridgelux high performance Power LEDs and MeanWell power supply. The construction of the light is based on a modular structure, each module is a separate unit. As a result, each module abstracts the heat separately, it can be exchanged and its beam angle can be set separately.



Modular Panel 60W LED street luminaire

Specification

- the light housing made of aluminium and ASA plastics resistant to adverse weather factors;
- adjustable beam angle of each panel +/- 6 degrees;
- the light may be dimmed by a 0-10V signal, PWM or via DALI system.
- high efficiency of heat abstraction due to the use of modular structure guaranteeing declared product life.

Modular Panel LED street luminaires



Modular Panel 210W LED street luminaire



Modular Panel 60W LED street luminaire

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
UOM60NW UOM60CW	4000-4500 5500-6500	60	250	6300 6600	105 110	48	495 x 292 x 98	4,57kg
UOM90NW UOM90CW	4000-4500 5500-6500	90	320	9450 9900	105 110	48	495 x 292 x 98	4,57kg
UOM120NW UOM120CW	4000-4500 5500-6500	120	400	12600 13200	105 110	72	587 x 292 x 98	5,6kg
UOM150NW UOM150CW	4000-4500 5500-6500	150	500	15750 16500	105 110	72	587 x 292 x 98	5,6kg
UOM210NW UOM210CW	4000-4500 5500-6500	210	700	22050 23100	105 110	98	894 x 307 x 139	10,37kg

LED ST Professional street light bulbs

Greenie LED Street Light Bulbs are the perfect replacement for the traditionally used metal-halide lamps and sodium bulbs. High efficiency of the Greenie street light bulbs and the modern cooling system guarantee excellent light parameters and durability. The Greenie LED ST Professional light bulb series uses Samsung second generation 5630 SMDs. A novelty in this type of bulb is that thanks to a specially designed power supply, it can operate with a magnetic starter for sodium and metal-halide lamps. A special layout of diodes provides light distribution meeting the photometric standards for street lighting.



Street LED light bulb
ST Professional 45W



54W LED ST Professional street light bulb

Specification

- clear white light generated to improve visibility on roads;
- special protection for trouble-free installation in any light fitting;
- resistance to voltage surges of about 8kV;
- diode screen is made of polycarbonate with increased strength, resistant to oxidation and ultraviolet radiation.

LED ST Professional street light bulbs



36W LED ST Professional street light bulb

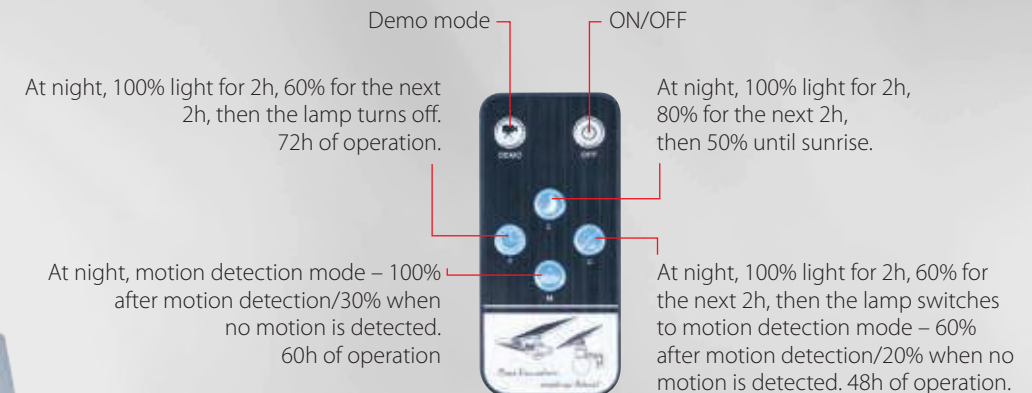


36W LED ST Professional street light bulb

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
UPP727WW UPP727NW UPP727CW	2800-3200 4000-4500 5500-6500	27	150	2916 3240 3564	108 120 132	72	Ø92 x 198	0,526kg
UPP736WW UPP736NW UPP736CW	2800-3200 4000-4500 5500-6500	36	200	3888 4320 4752	108 120 132	99	Ø90 x 227	0,617kg
UPP745WW UPP745NW UPP745CW	2800-3200 4000-4500 5500-6500	45	250	4860 5400 5940	108 120 132	117	Ø92 x 270	0,824kg
UPP454WW UPP454NW UPP454CW	2800-3200 4000-4500 5500-6500	54	300	5832 6480 7128	108 120 132	144	Ø90 x 280	0,85kg
UPP475WW UPP475NW UPP475CW	2800-3200 4000-4500 5500-6500	75	400	8100 9000 9900	108 120 132	198	Ø90 x 300	1,00kg

LED solar street lights

Greenie LED solar sets provide a modern and innovative lighting solution ideal for use in the locations where there is no possibility to make power connection. The lights work completely autonomously, the built-in sensors allow efficient use of the stored energy. The lithium-phosphate battery provides several hours of operation at full power. The solar panel can be set at any angle.



Specification

- sensor operating range up to 10m;
- mounting hole diameter 70mm;
- battery capacity of 212Wh (in LS20 light) and 96Wh (in LS12 light), battery charging time: 4 – 6h;
- control of the light with the included remote control – 4 operating modes.

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
12W solar set – LED lamp, panel, battery and remote control	LS12CW	5500-6500	12	30	1500	125	12	440 x 440 x 610	10kg
20W solar set – LED lamp, panel and battery	LS20CW	5500-6500	20	50	2500	125	40	890 x 650 x 610	14,5kg

LED solar street lights



12W LED solar set



20W LED solar set



Elementum LED lights

LED Spiral Park Light – Greenie Elementum – 40W is an exceptional park light available on the market. Thanks to the unique design of the luminaire it can be used in places such as parks and gardens; it can also be placed in small car parks.



Park/street light
LED Elementum 40W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
EL40CW	5500-6500	40	120	3200	80	12	Ø724 x 330	11,1kg

Specification

- aluminium housing in grey with plastic finish;
- COB LEDs are enclosed in waterproof modules;
- decorative blue light ring.



Greenie Conical LED bulbs are distinguished by their original shape, which not only makes them look good, but above all provides best quality light. They are ideally suited for ball shaped street or garden light fittings. Large number of LEDs and atypical design ensure even distribution of light to all sides – the beam angle is 360°.



38W conical LED bulb

20W conical LED bulb



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
ACS720WW	2800-3200	20	80	1850	93	304	Ø103 x 145	0,2kg
ACS720NW	4000-4500			1920	96			
ACS720CW	5500-6500			2000	100			
ACS735WW	2800-3200	38	200	4000	105	590	Ø128 x 180	0,42kg
ACS735NW	4000-4500			4400	115			
ACS735CW	5500-6500			4400	115			

Specification

- assembly in horizontal and vertical light fittings;
- bulbs equipped with a system to prevent overheating;
- built-in Epistar SMD 3528 LEDs.



INDUSTRIAL LIGHTING

In addition to improving the intensity and quality of light, LED industrial lighting reduces costs associated with electricity, maintenance and replacement of lights. The use of LED lighting also allows you to meet the limits of the electrical connection – the wattage of the LED lighting equipment is only 20-30% of the power of traditional luminaires. By using our lighting solutions, you can improve the safety and well-being of your employees and significantly reduce electricity bills at the same time.

Greenie LED lighting reduces the cost of lighting in energy bills by up to 80%. At the same time we offer clear white light with very good parameters, free from stroboscopic effect, which causes fatigue and adversely affects the quality of work.

Main benefits of using Greenie industrial lighting:

- reducing lighting costs in energy bills by up to 80%;
- guarantee of the best light quality and reliability;
- ideal working conditions for you and your employees.

		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
Greenie AluCorn LED bulbs		<ul style="list-style-type: none"> • BESTSELLER, patented unique design, E27 or E40 thread; • light output over 100lm/W; • the bulbs stand out for their long service life and operational quality. 	22W, 33W, 44W, 66W, 86W, 113W, 135W, 200W, 250W	80W-600W	24
Goliat industrial directional LED bulbs		<ul style="list-style-type: none"> • ideal for use with the existing Goliat „bucket“ light fittings; • high efficiency and light output at a reasonable price; • very quick replacement in place of the existing traditional incandescent bulbs. 	60W, 90W	180-250W	26
Flat Panel industrial directional LED bulbs		<ul style="list-style-type: none"> • large surface of the panel containing the diodes enables very good heat dissipation, again when the temperature drops; • it does not require ballast or other such equipment. 	67W, 100W	250W-400W	27
Parteon LED industrial and park light bulbs		<ul style="list-style-type: none"> • anti-overheating system applied; • connection directly to a 230V power grid; • matt covering. 	30W, 40W, 60W	100W-180W	28
Eos LED industrial and park light bulbs		<ul style="list-style-type: none"> • wide beam angle -240°; • low price, however reactive power factor of > 0.9 retained; • compatible with old type light fittings. 	20W, 40W	60W-120W	29
HighBay HighTECH LED industrial lights		<ul style="list-style-type: none"> • high quality LEDs from leading manufacturers – CREE and Bridgelux; • top class waterproof MeanWell HLG drivers; • high luminous efficiency, the fall in luminous flux with hours of use is smaller. 	100W, 120W, 150W, 200W, 300W, 400W, 480W, 800W	250W-800W	30
HighBay Flat LED industrial lights		<ul style="list-style-type: none"> • versions with three types of sensors: 1. motion 2. dusk 3. motion and dusk; • beam angle options: 60, 90 or 120 degrees; • very high operating and light parameters, lampshade – tempered glass. 	100W, 150W, 200W, 250W, 290W	300W-870W	32
HighBay Linear LED industrial lights		<ul style="list-style-type: none"> • very high light output of 130lm/W and special beam angle 40°x130°; • mechanical resistance of the light is IK10 – the highest possible class. 	30W, 60W, 90W, 120W, 150W, 180W, 240W	100W-800W	34
HighBay Professional LED industrial lights		<ul style="list-style-type: none"> • dimming: 0-10V, PWM or DALI protocol, MeanWell DC power supply; • beam angle options: 45, 90 or 120 degrees; • COB LEDs with integrated lens. 	30W, 50W, 80W, 100W, 120W, 150W, 200W, 250W, 300W	100W-1000W	36
HighBay Standard LED industrial lights		<ul style="list-style-type: none"> • beam angle options: 45, 90 or 120 degrees; • COB LEDs with integrated lens; • beam angle options: 45, 90 or 120 degrees. 	50W, 80W, 100W, 120W, 150W, 200W	150W-500W	38
HighBay Slim LED industrial lights		<ul style="list-style-type: none"> • beam angle options: 45, 90 or 120 degrees; • power supply provides reactive power factor (≥0.95); • very good price / quality ratio. 	50W, 100W	120W-250W	39
Gasoline LED industrial luminaires		<ul style="list-style-type: none"> • specially designed lenses, thanks to which the light is perfectly dispersed; • patented finned radiator made of special aluminium alloy for heat dissipation. 	60W, 90W, 120W, 180W	180W-500W	40

Greenie AluCorn LED bulbs

Greenie AluCorn LED bulbs are the most effective substitute for traditional sodium, mercury and metal-halide lamps. The products stand out in terms of light output and energy efficiency. Thanks to the omnidirectional light distribution Greenie AluCorn bulbs can be easily mounted in place of the current bulbs into vertical and horizontal industrial, garden and street lighting fittings.

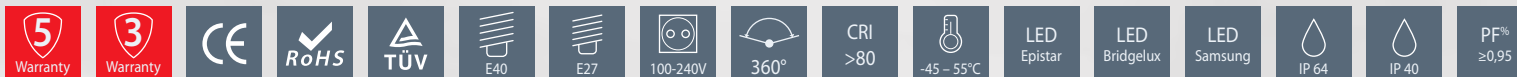


AluCorn 135W LED bulb



Specification

- BESTSELLER, patented unique design, E27 or E40 thread;
- totally failure-free functioning – the built-in thermostat protects the bulb from overheating and the unique cooling system ensures optimum cooling;
- light output over 100lm/W;
- AluCorn 20W and 30W bulbs are available in dimming version, 0-10V signal is used to control dimming functions;
- Greenie AluCorn bulbs provide optimum heat abstraction and ensure ideal ventilation, the bulbs stand out for their long service life and high quality of operation.



Greenie AluCorn LED bulbs

AluCorn 86W LED bulb



AluCorn 250W LED bulb
with an external driver



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
AC720WW-73MM	2800-3200	22	100	2300	105	230	Ø73 x 166	0,23kg
AC720NW-73MM	4000-4500			2720	124			
AC720CW-73MM	5500-6500			3140	143			
ACE733NW*	4000-4500	33	120	3300	100	420	Ø70 x 222	0,27kg
ACE733CW*	5500-6500		120	3600	109	420	Ø70 x 222	0,27kg
AC733WW-80MM	2800-3200		140	4134	125	198	Ø80 x 205	0,36kg
AC733WW	2800-3200		120	3200	97	390	Ø90 x 204	0,35kg
AC733NW-80MM	4000-4500		140	4399	133	198	Ø80 x 205	0,36kg
AC733NW	4000-4500		120	3300	100	390	Ø90 x 204	0,35kg
AC733CW-80MM	5500-6500		140	4354	132	198	Ø80 x 205	0,36kg
AC733CW	5500-6500		120	3600	109	390	Ø90 x 204	0,35kg
AC433WW	2800-3200		120	3200	97	390	Ø90 x 204	0,35kg
AC433NW	4000-4500		120	3300	100	390	Ø90 x 204	0,35kg
AC433CW	5500-6500		120	3600	109	390	Ø90 x 204	0,35kg
AC744WW	2800-3200	44	180	4280	97	420	Ø90 x 235	0,4kg
AC744NW	4000-4500			4600	105		Ø90 x 235	
AC744CW	5500-6500			4830	110		Ø90 x 235	
AC444WW	2800-3200			4280	97		Ø90 x 238	
AC444NW	4000-4500			4600	105		Ø90 x 238	
AC444CW	5500-6500			4830	110		Ø90 x 238	
AC466WW	2800-3200	66	200	6140	93	630	Ø90 x 285	0,56kg
AC466NW	4000-4500			6600	100		Ø90 x 278	
AC466CW	5500-6500			6930	105		Ø90 x 278	
AC486WW	2800-3200	86	250	8510	99	800	Ø105 x 290	0,67kg
AC486NW	4000-4500			9150	106			
AC486CW	5500-6500			9600	112			
AC4113NW	4000-4500	113	350	13200	117	1040	Ø118 x 315	0,9kg
AC4113CW	5500-6500			13500	119			
AC4135NW	4000-4500	135	400	15400	114	1280	Ø118 x 365	1,5kg
AC4135CW	5500-6500			15800	117			
AC4200NW*	4000-4500	200	500	20000	100	546	Ø128 x 335	1,268kg
AC4200CW*	5500-6500			22000	105			
AC4250NW*	4000-4500	250	600	22500	90	714	Ø128 x 365	2,711kg
AC4250CW*	5500-6500			24500	98			

* LED bulbs with an external driver

Goliat industrial directional LED bulbs

HighBay IN series Greenie industrial LED bulbs are professional industrial light bulbs with the E40 thread – ideal for „Goliat” type „bucket” light fittings. All Greenie industrial LED HighBay IN lights contain 2835 SMD Sanan LEDs and up to four power supply circuits. Apart from their directional light they stand out for their very high power factor.



Goliat industrial 60W LED bulb



Goliat industrial 90W LED bulb

Specification

- ideal for use with the existing Goliat „bucket” light fittings;
- high efficiency and light output at a reasonable price;
- very quick replacement in place of the existing traditional incandescent bulbs fitted in the „Goliat/bucket” light fittings.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
IN460NW	4000-4500	60	180	5521	92	144	Ø160 x 226	0,9kg
IN490NW	4000-4500	90	250	8655	96	192	Ø190 x 235	1,1kg



Flat Panel industrial directional LED bulbs

Greenie Flat Panel LED bulbs are the LED replacement for industrial sodium or metal-halide bulbs placed in bucket light fittings commonly referred to as „Goliat“. Flat Panels also fit well in the old light fittings with mounted reflecting element. 5630 SMD LEDs provide proper light dispersion. In addition, a wide beam angle of 120° provides perfect illumination of the entire room.

Industrial LED bulb
Flat Panel 100W



Industrial LED bulb
Flat Panel 67W



Specification

- large surface of the panel containing the diodes enables very good heat dissipation, for a long service life; it has a special system that prevents the bulb from overheating; the bulb is automatically turned off and re-ignited when the temperature drops;
- it does not require ballast or other such equipment
 - it is connected directly to the 230V power grid;
- matt or transparent diode covering.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
FP467NW FP467CW	4000-4500 5500-6500	67	250	6500 6900	97 103	200	Ø310 x 220	1,9kg
FP4100NW FP4100CW	4000-4500 5500-6500	100	400	10500 11000	105 110	300	Ø310 x 220	2kg



Parteon LED omnidirectional industrial and park light bulbs

Parteon series Greenie LED bulbs are the most effective substitute for traditional sodium, mercury or metal-halide lamps. The bulbs are fitted with 2835 SMD LEDs of the world leader Epistar. The diodes are mounted under the matt covering which provides very good diffusion of light and protection. The angle of incidence of 360° enables the use of Parteon bulbs in both vertical and horizontal light fittings.

Parteon 30W LED bulb



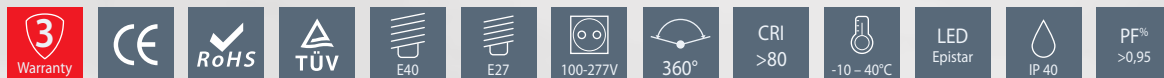
Parteon 40W LED bulb



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
ACM733WW ACM733NW	2800-3200 4000-4500	30	100	2487 2674	83 89	280	Ø90 x 208	0,35kg
ACM444WW ACM444NW ACM444CW	2800-3200 4000-4500 5500-6500	40	150	3200 3441 3700	80 86 93	420	Ø90 x 236	0,4kg
ACM466WW ACM466NW ACM466CW	2800-3200 4000-4500 5500-6500	60	180	4930 5301 5700	82 88 95	630	Ø90 x 285	0,56kg

Specification

- anti-overheating system applied;
- connection directly to a 230V power grid;
- matt covering.



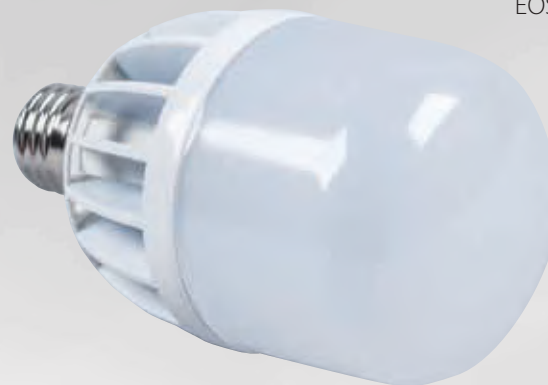


Eos LED omnidirectional industrial and park light bulbs

The E27 industrial LED bulb is an efficient LED replacement for industrial sodium or metal-halide lamps. The bulb has a matt covering, thanks to which the light is perfectly dispersed. The bulb is made of a special patented metal alloy, which ensures robustness and durability and adequate heat dissipation.



EOS 40W LED bulb



EOS 20W LED bulb

Specification

- wide beam angle: 240°;
- optimal price / quality ratio;
- it is compatible with old type light fittings;
- 2835 SMD LEDs.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
BUIN720WW BUIN720NW BUIN720CW	2800-3200 4000-4500 5500-6500	20	60	1932 2057 1946	97 103 97	24	Ø80 x 145	0,165kg
BUIN740WW BUIN740NW BUIN740CW	2800-3200 4000-4500 5500-6500	40	120	3781 3744 3791	95 94 95	45	Ø100 x 180	0,45kg



HighBay HighTECH LED industrial lights

Greenie LED HighBay HighTECH lights are a very good quality light source, built on top-of-the-line components – CREE diodes and MeanWell power supplies. Available in capacities between 100 – 800W, so they can replace the most powerful metal-halide lamps. HighTech lamps are made of high quality materials resistant to corrosion, seawater, oils and other such substances, so they can be used in harsh conditions.



HighBay HighTECH
LED industrial lamp 480W

HighBay HighTECH
LED lamp 400W



Specification

- high quality LEDs from leading manufacturers – CREE and Bridgelux;
- top class waterproof MeanWell HLG drivers guarantee the best parameters;
- high light efficiency, lower fall in luminous flux with hours of use, compared with metal-halide and sodium lamps, radiator integrated into the housing, light covering made of tempered glass;
- available models with dimming option controlled by: 0-10V, PWM, or DALI protocol.

HighBay HighTECH LED industrial lights



HighBay HighTECH LED industrial light 150W



HighBay HighTECH LED industrial light 800W

HighBay HighTECH LED industrial light 150W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
HBH100NW HBH100CW	4000-4500 5500-6500	100	250	10410 10955	104 110	240	Ø434 x 359	7kg
HBH120NW HBH120CW	4000-4500 5500-6500	120	300	13070 13200	109 110	280	Ø455 x 348	8kg
HBH150NW HBH150CW	4000-4500 5500-6500	150	400	14870 15010	99 100	340	Ø452 x 359	8,5kg
HBH200NW HBH200CW	4000-4500 5500-6500	200	600	19020 19115	95 96	450	Ø452 x 359	9kg
HBH300NW HBH300CW	4000-4500 5500-6500	300	1000	26480 26750	88 89	196	Ø367 x 459	13kg
HBH400NW HBH400CW	4000-4500 5500-6500	400	1250	33000 33500	83 84	280	Ø367 x 497	13,5kg
HBH480NW HBH480CW	4000-4500 5500-6500	480	1500	38315 38700	80 81	336	Ø367 x 497	15kg
HBH800NW HBH800CW	4000-4500 5500-6500	800	2400	77000 80850	96 101	60	Ø450 x 488	21,5kg

HighBay Flat LED industrial lights

Flat series HighBay lights are distinguished by an unusual design that allows them to be mounted even in low rooms. They incorporate Philips 3030 SMD LEDs and the MeanWell power supply. The lights are resistant to external influences and mechanical damage thanks to IP65 protection class, IK08 resistance and the use of tempered glass covering.

Greenie HighBay Flat LED light 200W with a light intensity sensor (on the left) and motion sensor (on the right)



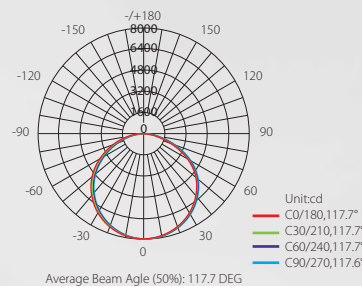
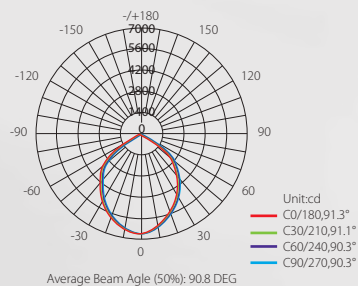
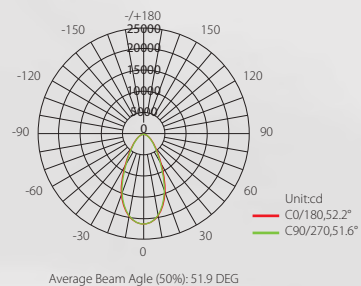
HighBay Flat LED industrial light 150W

Mounting frame to HighBay Flat

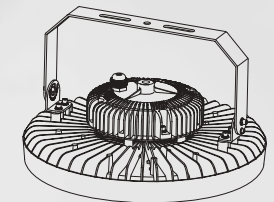
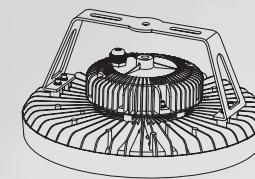
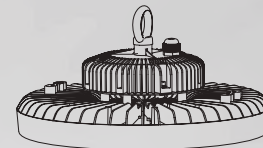


Specification

- dimming: 0-10V, PWM or DALI protocol; type of accessories: MeanWell DC power supply;
- available with sensor automatically dimming the light according to the intensity of the outside light;
- versions with three types of sensors available: (a) motion, (b) light intensity, (c) motion and light intensity;
- beam angle options: 60, 90 or 120 degrees;
- lampshade: tempered glass.



HighBay Flat LED industrial lights

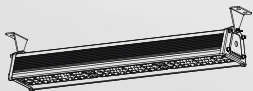
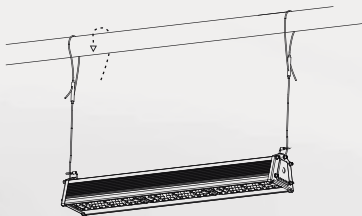


Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
HBFP100NW	4000-4500	100	350	14000	140	168	Ø400 x 220	7,5kg
HBFP100CW	5500-6500		350	14000	140			
HBFP100NW	4000-4500		300	12000	120			
HBFP100CW	5500-6500		300	12000	120			
HBFP150NW	4000-4500	150	525	21000	140	228	Ø400 x 220	7,5kg
HBFP150CW	5500-6500		525	21000	140			
HBFP150NW	4000-4500		450	18000	120			
HBFP150CW	5500-6500		450	18000	120			
HBFP200NW	4000-4500	200	700	28000	140	288	Ø400 x 220	7,5kg
HBFP200CW	5500-6500		700	28000	140			
HBFP200NW	4000-4500		600	24000	120			
HBFP200CW	5500-6500		600	24000	120			
HBFP250NW	4000-4500	250	800	32500	130	288	Ø400 x 220	7,5kg
HBFP250CW	5500-6500		800	32500	130			
HBFP250NW	4000-4500		750	30000	120			
HBFP250CW	5500-6500		750	30000	120			
HBFP290NW	4000-4500	290	870	34800	120	630	Ø400 x 220	7,5kg
HBFP290CW	5500-6500							

HighBay Linear LED industrial lights

Greenie HighBay LED 3030 Philips Linear Lights are special luminaires that are best suited for high warehouse halls. The light has Philips 3030 SMD LEDs and Sosen DC power supply which can operate even with unstable voltage. The IP65 protection class allows the HighBay Linear lights to be used even in severe industrial conditions such as dust and high humidity.

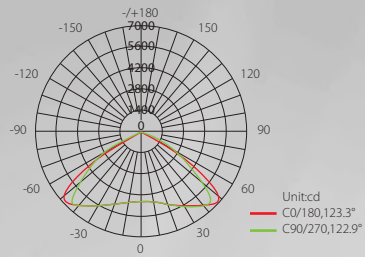
HighBay Linear LED
industrial light 90W



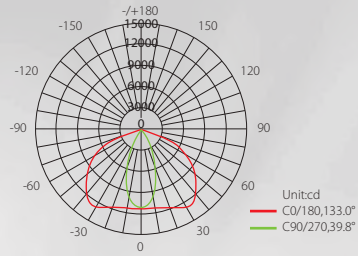
Specification

- very high light output of 130lm/W and special beam angle of 40°x130°, ideal for lighting warehouse lanes;
- mechanical resistance of the light is IK10 – the highest possible class;
- other beam angles and versions providing CRI90 + are also available on request.

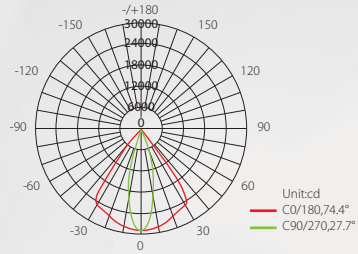
HighBay Linear LED industrial lights



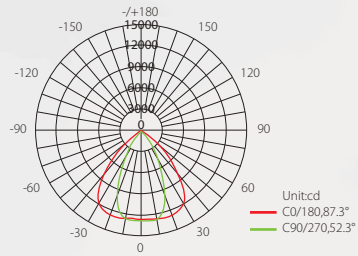
Average Beam Angle (50%): 123.1 DEG



Average Beam Angle (50%): 86.4 DEG



Average Beam Angle (50%): 51.1 DEG



Average Beam Angle (50%): 69.8 DEG



HighBay Linear LED industrial light 90W

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
HBL30NW	4000-4500	30	100	3900	130	28	280 x 137 x 102	1,9kg
HBL60NW	4000-4500	60	200	7800	130	56	486 x 137 x 102	3,4kg
HBL90NW	4000-4500	90	300	11700	130	84	718 x 137 x 102	4,7kg
HBL120NW	4000-4500	120	400	15600	130	112	948 x 137 x 102	5,7kg
HBL150NW	4000-4500	150	500	19500	130	140	1178 x 137 x 102	6,9kg
HBL180NW	4000-4500	180	600	23400	130	168	718 x 275 x 102	8,5kg
HBL240NW	4000-4500	240	800	31200	130	224	948 x 275 x 102	10,3kg

HighBay Professional LED industrial lights

HighBay Professional LED light is an industrial light dedicated to the industrial applications. The lights are based on the Bridgelux COB LEDs and MeanWell power supply, they are equipped with modern radiators, which allow trouble free heat dissipation. This light is recommended for lighting industrial and storage facilities, petrol stations, large commercial premises and high storage warehouses.



HighBay LED industrial light
Professional 200W
without lampshade



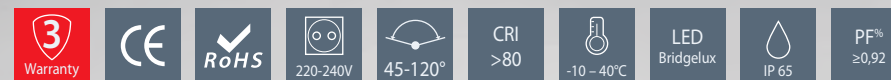
Specification

- dimming: 0-10V, PWM or DALI
- protocol, MeanWell DC power supply;
- beam angle options: 45, 90 or 120 degrees;
- COB LEDs with integrated lens.

HighBay Professional LED industrial lights



HighBay Professional LED industrial light 150W



HighBay Professional LED industrial light 200W

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
HBP30NW HBP30CW	4000-4500 5500-6500	30	100	2250 2400	75 80	1	Ø250 x 300	3,9kg
HBP50NW HBP50CW	4000-4500 5500-6500	50	150	3750 4000	75 80	1	Ø250 x 300	4,1kg
HBP80NW HBP80CW	4000-4500 5500-6500	80	200	6000 6400	75 80	1	Ø500 x 466	5,6kg
HBP100NW HBP100CW	4000-4500 5500-6500	100	250	7500 8000	75 80	1	Ø500 x 466	6,2kg
HBP120NW HBP120CW	4000-4500 5500-6500	120	300	9000 9600	75 80	1	Ø500 x 700	6,5kg
HBP150NW HBP150CW	4000-4500 5500-6500	150	400	11250 12000	75 80	1	Ø500 x 700	8,3kg
HBP200NW HBP200CW	4000-4500 5500-6500	200	600	15000 16000	75 80	1	Ø500 x 700	8,6kg
HBP250NW HBP250CW	4000-4500 5500-6500	250	800	18750 20000	75 80	1	Ø500 x 700	8,6kg
HBP300NW HBP300CW	4000-4500 5500-6500	300	1000	22500 24000	75 80	1	Ø500 x 700	8,6kg

HighBay Standard LED industrial lights

HighBay Standard LED light is the basic, economical version of the industrial lamp in our offer, which is designed to provide the best light performance in tough conditions. The lights are based on Bridgelux COBs. Similarly to the Professional version, this lamp was designed to illuminate industrial facilities.

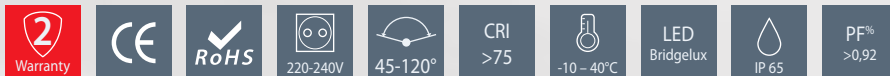


HighBay Standard LED industrial lamp 100W

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
HBS50NW HBS50CW	4000-4500 5500-6500	50	150	3750 4000	75 80	1	Ø250 x 300	4,1kg
HBS80NW HBS80CW	4000-4500 5500-6500	80	200	6000 6400	75 80	1	Ø500 x 466	5,6kg
HBS100NW HBS100CW	4000-4500 5500-6500	100	250	7500 8000	75 80	1	Ø500 x 466	6,2kg
HBS120NW HBS120CW	4000-4500 5500-6500	120	300	9000 9600	75 80	1	Ø500 x 700	6,5kg
HBS150NW HBS150CW	4000-4500 5500-6500	150	400	11250 12000	75 80	1	Ø500 x 700	8,3kg
HBS200NW HBS200CW	4000-4500 5500-6500	200	500	15000 16000	75 80	1	Ø500 x 700	8,6kg

Specification

- beam angle options: 45, 90 or 120 degrees;
- COB LEDs with integrated lens.



HighBay Slim LED industrial lights

HighBay Slim series lights are specially designed ultra light LED industrial type luminaires. The use of special aluminium alloy AL6063 doped with magnesium and silicon made the radiator both lightweight and durable, and it also perfectly dissipates heat. All HighBay Slim lights contain Epistar 2835 SMD LEDs and integrated power supply. These lights are exceptionally slim and compact, so they can also be used in low rooms.



HighBay Slim LED
industrial lamp 50W



HighBay Slim LED
industrial lamp 100W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
HBD50NW	4000-4500	50	120	5131	103	120	Ø269 x 88	1,3kg
HBD100NW	4000-4500	100	250	10361	104	240	Ø310 x 80	1,8kg

Specification

- power supply system provides one of the best reactive power factor (≥ 0.95) among LED luminaires available on the market;
- beam angle: 120 degrees.



Gasoline LED industrial luminaires

Gasoline LED lights are lamps with a wide beam angle (140 °), thanks to which, they perfectly illuminate the area even at low altitudes. Gasoline luminaires contain a large number of Bridgelux diodes. Greenie Gasoline LED luminaires may be used at petrol stations, in halls and industrial facilities, in car parks, in street tunnels, workshops and other places where intense light is required.

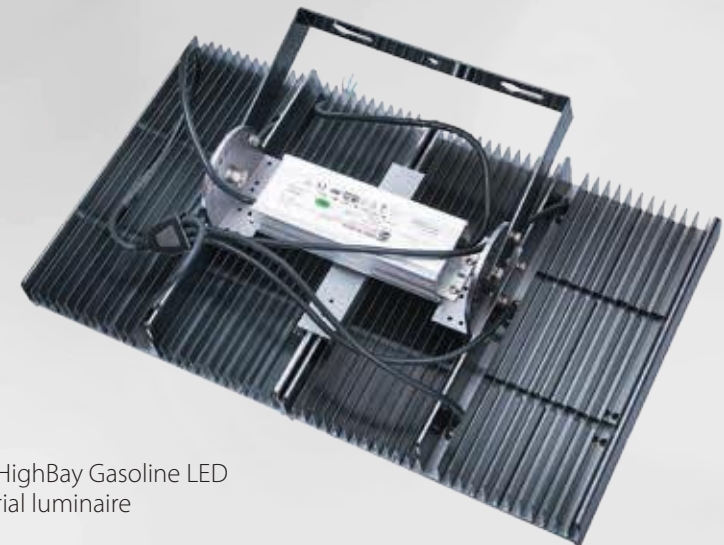
120W HighBay Gasoline LED
industrial luminaire



Specification

- specially designed lenses, thanks to which the light is perfectly dispersed;
- patented finned radiator made of special aluminium alloy ensuring heat dissipation;
- IP67 protection class.

Gasoline LED industrial luminaires



180W HighBay Gasoline LED industrial luminaire

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
GAS60NW	4000-4500	60	180	6138	102	48	298 x 255 x 278	4,5kg
GAS90NW	4000-4500	90	250	9207	105	72	340 x 298 x 278	4,8kg
GAS120CW	5500-6500	120	400	13200	110	96	485 x 298 x 278	5,2kg
GAS180CW	5500-6500	180	500	19800	110	144	598 x 360 x 281	6,5kg

LED FLOODLIGHTS

Modern Greenie LED floodlights are used to illuminate large outdoor and indoor surfaces. They are also a good selection of lamps, used to illuminate outdoor objects (facades, plants, billboards) as well as large indoor surfaces such as storage or sports halls. They successfully replace the formerly used halogen floodlights, commonly called „halo-packs“.

Our range of floodlights includes 6 categories:

- Professional floodlights based on SMD diodes;
- Economy floodlights based on COB diodes;
- floodlights with motion and dusk sensor;
- RGB multi-colour floodlights with remote control;
- ARENA floodlights dedicated to sports facilities;
- ATEX certified explosion-proof floodlights.

		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
Professional LED floodlights		<ul style="list-style-type: none"> • a range of SMD-NLPS professional floodlights is covered by a 5-year warranty; • reactive power factor ≥ 0.9; • good LED wattage / replacement power ratio (even 1 to 10); • components of improved quality, strength and performance have been used. 	10W, 20W, 30W, 50W, 80W, 100W, 150W, 200W	80W-1600W	44
Economy LED floodlights		<ul style="list-style-type: none"> • compact sized floodlights – slim version; • operating temperatures from -30° to $+50^{\circ}$ C; • 2-year warranty; • the best possible value for money ratio. 	10W, 20W, 30W, 50W, 70W, 100W, 150W, 200W	80W-1200W	46
PIR LED floodlights		<ul style="list-style-type: none"> • the light turns on in bad weather or at dark night only; • operating time – from a few seconds up to tens of minutes; • motion sensor coverage area – from a several dozen centimetres to several meters. 	10W, 20W, 30W	80W-220W	48
RGB LED floodlights		<ul style="list-style-type: none"> • infra-red remote control; • four available programs or a single colour setting; • dimming function. 	10W, 20W, 30W, 50W	60W-250W	49
Arena LED floodlights		<ul style="list-style-type: none"> • housing made of pure aluminium; • double insulation to protect the light from lightning discharges; • components used: Philips LUXEON TX diodes, DC power supply: MeanWell; • modular design. 	80W, 160W, 240W, 320W, 480W, 640W, 720W, 800W, 960W	250W-3000W	50
Atex Explosion-proof LED floodlights		<ul style="list-style-type: none"> • IK10 mechanical resistance class – shock resistance up to 20J; • overvoltage protection of 6kV; • corrosion resistance class: WF2; • floodlights are explosion proof certified – ATEX, Ex, etc. 	30W-240W	200W-2200W	51

Professional LED floodlights

Based on the highest quality components: SMD-NLPS Epistar diodes, MeanWell power supplies. Very strong luminous flux guaranteed – suitable for use in households, as well as in industrial facilities, halls, warehouses, car parks, sports facilities, cinemas. The housing made of metal alloys is resistant to external factors, provides adequate heat dissipation and IP65 protection class.



Professional
LED floodlight 150W



Professional
LED floodlight 30W

Specification

- series of professional SMD floodlights is covered by a 5-year warranty;
- reactive power factor ≥ 0.9 ;
- a good ratio of LED wattage to the replacement wattage (even 1 to 10).

Professional LED floodlights



Professional
LED floodlight 30W



Professional
LED floodlight 20W



100W Professional
LED floodlight

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
NLPS10WW NLPS10NW NLPS10CW	2800-3200 4000-4500 5500-6500	10	80	850 900 950	85 90 95	20	120 x 127 x 36	0,344kg
NLPS20WW NLPS20NW NLPS20CW	2800-3200 4000-4500 5500-6500	20	150	1700 1800 1900	85 90 95	40	183 x 179 x 40	0,668kg
NLPS30WW NLPS30NW NLPS30CW	2800-3200 4000-4500 5500-6500	30	240	2550 2700 2850	85 90 95	60	226 x 221 x 43	1,032kg
NLPS50WW NLPS50NW NLPS50CW	2800-3200 4000-4500 5500-6500	50	400	4250 4500 4750	85 90 95	110	285 x 275 x 59	1,56kg
NLPS80WW NLPS80NW NLPS80CW	2800-3200 4000-4500 5500-6500	80	600	6800 7200 7600	85 90 95	170	289 x 290 x 75	2,098kg
NLPS100WW NLPS100NW NLPS100CW	2800-3200 4000-4500 5500-6500	100	800	8500 9000 9500	85 90 95	220	289 x 290 x 75	2,098kg
NLPS150WW NLPS150NW NLPS150CW	2800-3200 4000-4500 5500-6500	150	1200	12750 13500 14250	85 90 95	320	335 x 315 x 97	4kg
NLPS200WW NLPS200NW NLPS200CW	2800-3200 4000-4500 5500-6500	200	1600	17000 18000 19000	85 90 95	420	373 x 373 x 125	6,8kg

Economy LED floodlights



The Economy series is a „slimmer” version of LED floodlights designed for household use, as well as for illuminating banners, ads or buildings. The housing is made of black-lacquered aluminium with an integrated radiator, which dissipates excess heat. It can be used outdoors thanks to IP65 protection class.



Economy
LED floodlight 150W

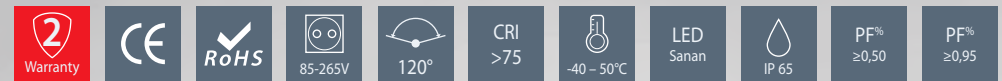


Specification

- compact sized floodlights – slim version;
- operating temperatures from -30° to + 50°C;
- 2-year warranty.

Economy LED floodlights

Economy
LED floodlight 50W



Economy
LED floodlight 70W



Economy
LED floodlight 30W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
NLE10WW NLE10NW	2800-3200 4000-4500	10	80	680 728	68 73	1	120 x 84 x 40	0,4kg
NLE20WW NLE20NW	2800-3200 4000-4500	20	120	1300 1400	65 70	1	155 x 185 x 48	0,8kg
NLE30WW NLE30NW	2800-3200 4000-4500	30	180	2000 2100	67 70	1	230 x 195 x 50	1kg
NLE50NW	4000-4500	50	250	3617	72	1	285 x 235 x 60	1,8kg
NLE70WW NLE70NW	2800-3200 4000-4500	70	420	4700 4900	67 70	1	345 x 297 x 80	3,3kg
NLE100CW	5500-6500	100	600	7200	72	2	345 x 297 x 80	3,3kg
NLE150CW	5500-6500	150	900	10800	72	3	425 x 325 x 80	4kg
NLE200CW	5500-6500	200	1200	14200	71	4	425 x 325 x 120	6kg

PIR LED floodlights

PIR floodlights are equipped with built-in motion and dusk sensor, which is a source of light that starts when it is dark and when it detects movement within a few meters. They work great as lightings for driveways or buildings. The product has IP65 protection class.



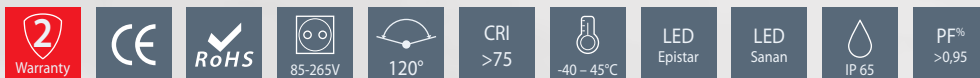
LED PIR
floodlight 10W



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
Professional 10W LED floodlight with IP65 motion and dusk sensor	NLPIR10NW	4000-4500	10	80	700	70	1	135 x 115 x 45	0,5kg
Professional 20W LED floodlight with IP65 motion and dusk sensor	NLPIR20NW	4000-4500	20	150	1400	70	1	155 x 185 x 53	1kg
Professional 30W LED floodlight with IP65 motion and dusk sensor	NLPIR30NW	4000-4500	30	220	2100	70	1	230 x 195 x 55	1,2kg

Specification

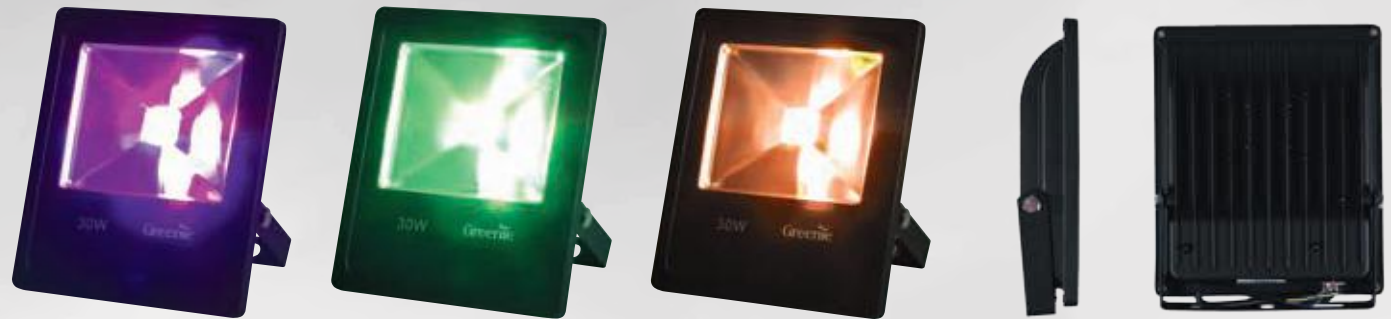
- the sensor has three-step regulation;
- the light turns on in bad weather or at dark night only;
- operating time – from a few seconds up to tens of minutes;
- motion sensor coverage area – from a dozen of centimetres to several meters.



Greenie RGB LED floodlights are multicolour light sources that are controlled by the remote control – included. They are ideal for bars, music clubs, wedding halls, or any other place where colourful light looks good.



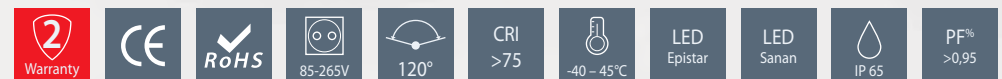
RGB LED floodlight
30W



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Number of diodes	Dimensions [mm]	Weight
Economy LED 10W IP65 RGB floodlight	NLE10RGB	RGB	10	60	1	120 x 127 x 36	0,344kg
Economy LED 20W IP65 RGB floodlight	NLE20RGB	RGB	20	80	1	183 x 179 x 40	0,668kg
Economy LED 30W IP65 RGB floodlight	NLE30RGB	RGB	30	150	1	226 x 221 x 43	1,032kg
Economy LED 50W IP65 RGB floodlight	NLE50RGB	RGB	50	250	1	285 x 275 x 59	1,56kg

Specification

- infra-red remote control;
- four available programs or a single colour setting;
- dimming function.



ARENA LED floodlights

ARENA Philips / MeanWell modular LED floodlights are characterized by high efficiency and special beam angles, making them ideal for use as stadium lamps. They can also stand in for HighBay industrial lamps. Narrow angles will work well in the illumination of buildings and bridges, medium provide high luminance of roads and car parks, and 90° and 120° angles will provide high illumination at railway stations, airports, sports and production floors.



Arena LED floodlight 240W

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
NLA80NW	4000-4500	80	250	8400	105	42	150 x 150 x 238,5	3,5kg
NLA160NW	4000-4500	160	500	16800	105	84	354 x 166 x 209	5,5kg
NLA240NW	4000-4500	240	750	25200	105	126	522 x 166 x 219	7,5kg
NLA320NW	4000-4500	320	1000	33600	105	168	354 x 366 x 244	10,5kg
NLA480NW	4000-4500	480	1500	50400	105	252	526,5 x 336 x 294	15,5kg
NLA640NW	4000-4500	640	2000	67200	105	336	527 x 506 x 291	19,7kg
NLA720NW	4000-4500	720	2250	75600	105	378	527 x 506 x 291	22,2kg
NLA800NW	4000-4500	800	2500	84000	105	420	699 x 506 x 311	26,1kg
NLA960NW	4000-4500	960	3000	100800	105	504	699 x 506 x 311	30,5kg



Arena LED floodlight 960W

Specification

- housing made of pure aluminium;
- double insulation to protect the light from lightning discharges;
- used components: Philips LUXEON TX diodes, MeanWell DC power supply;
- tailor made versions with non-standard beam angles available on request.



ATEX explosion-proof LED floodlights

ATEX explosion-proof LED floodlights can replace traditional halogen or metal-halide floodlights. The explosion-proof lamp is best suited for refineries, fuel pumping stations and gas stations. The lamp housing is made of copper-free aluminium and the lamp covering is made of tempered glass.

ATEX
LED floodlight 120W



ATEX LED floodlight 120W

Specification

- IK10 mechanical resistance class – shock resistance up to 20J;
- overvoltage protection of 6kV;
- corrosion resistance class: WF2.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Dimensions [mm]	Weight
NLX30NW	4000-4500	30	200	3180	106	Ø258 x 80	3,5kg
NLX45NW	4000-4500	45	300	4770	106	Ø258 x 80	3,5kg
NLX80NW	4000-4500	80	600	8800	110	330 x 215 x 150	9kg
NLX100NW	4000-4500	100	800	10280	103	330 x 330 x 150	13kg
NLX120NW	4000-4500	120	1000	12480	104	330 x 330 x 150	13kg
NLX160NW	4000-4500	160	1400	16580	104	330 x 380 x 150	16kg
NLX200NW	4000-4500	200	1800	20800	104	330 x 380 x 150	16kg
NLX240NW	4000-4500	240	2200	24800	103	330 x 450 x 150	18kg



LED LINEAR LIGHTING

Linear luminaires are distinguished by their high usability. A large selection of products facilitates the use of these solutions in industrial and utility areas as well as at home environments. This segment is mainly associated with fluorescent lamps. However, the development of LED technology let us create replacements and completely new solutions that improve the current light parameters.

Main benefits of using LED linear lights of Greenie brand:

- significant savings in energy consumption of up to 80%;
- longer operating time, reduced failure rate;
- better quality of generated light, a wide range of colour temperatures;
- no harmful materials used in production.

		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
LH IP65 LED hermetic linear luminaires		<ul style="list-style-type: none"> • you can connect up to 10 luminaires in one line; • housing made of high quality polycarbonate; • integrated light source – SMD 2835 diodes. 	36W,45W	96W-120W	54
LH Slim LED hermetic linear luminaires		<ul style="list-style-type: none"> • integrated light source – SMD 2835 diodes; • possible suspended and surface mounting; • housing made of polycarbonate. 	18W, 32W, 45W	45W-120W	55
LL Slim LED waterproof linear luminaires		<ul style="list-style-type: none"> • possible suspended and surface mounting; • housing made of polycarbonate with aluminum finish. 	18W, 36W	46W-92W	56
and LED suspended linear luminaires		<ul style="list-style-type: none"> • Epistar SMD 3014, SMD 2835 diodes; • the set includes strands enabling suspension of the luminaire; • high efficiency with low power consumption; • separate 24V DC power supply included or built-in luminaire power supply. 	8.5W, 15W, 28.8W, 34W, 37W, 60W,	40W-250W	57
LED T8 Greenie Professional Aluminium LED tubes		<ul style="list-style-type: none"> • savings in consumed energy of at least 50%; • the tube does not require an additional dimmable ballast system; • 5-year warranty on the entire product. 	10W, 14W, 18W, 21W, 23W, 30W	18W-76W	58
LED T8 Balast LED tubes		<ul style="list-style-type: none"> • savings in consumed energy of at least 50%; • 3-year warranty • works seamlessly with magnetic and electronic dimmable ballast systems. 	10W, 18W, 23W	18W-58W	60
LED tubes with motion sensor		<ul style="list-style-type: none"> • in the standby mode power level of the tube goes down to 20%; • the tube is equipped with a microwave sensor with a range of up to 8m; • adjustable lighting time. 	9W, 18W	18W, 36W	61
LED T8 Professional Glass tubes		<ul style="list-style-type: none"> • savings in consumed energy of at least 50%; • 3-years warranty, best value for money ratio; • the tube does not require a dimmable ballast system; • ideal substitute for raster luminaires. 	9W, 12W, 18W, 24W	18W-58W	62
LED T5 tubes		<ul style="list-style-type: none"> • capacity above 110 lm/W; • heat dissipation using aluminium radiator; • does not require dimmable ballast system; • the diameter and length of tubes are identical to their classic equivalents. 	4W, 8W, 12W, 16W, 20W	8W-44W	63
LED T5 tubes with integrated light fitting		<ul style="list-style-type: none"> • LEDs used – Epistar SMD 2835; • matt coverings diffusing the light; • do not require dimmable ballast systems. 	6W, 10W, 14W, 16W, 18W	14W-45W	64
LED 2G11 tubes		<ul style="list-style-type: none"> • direct substitute for PL-L fluorescent lamps; • 230V directly supplied; • matt or transparent covering. 	16W, 22W, 25W	36W-70W	65

LH IP65 LED hermetic linear luminaires

Greenie LED linear hermetic luminaires of LH series are designed to operate in very difficult conditions. They can be used at a temperature ranging between -20° to +50°. Thanks to the IP65 protection rating, they are dust-proof and resistant to water, steam as well as to high and low temperatures. They can be used for lighting facades, interiors (e.g. bathrooms, kitchens, garages), swimming pools, sports facilities, cold stores and other premises.

LED Linear luminaire LH 36W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LH36NW	4000-4500	36	96	3000	83	96	1245 x 65 x 72	0,883kg
LH45NW	4000-4500	45	120	4000	89	120	1545 x 65 x 72	0,987kg

Specification

- substitute for hermetic luminaires with dual fluorescent lamps;
- possible surface mounting and suspension on the strings;
- several luminaires can be combined in a row;
- uniform, diffused light distribution, no glare effect;
- strong, aesthetic housing made of high quality polycarbonate.



LH Slim LED hermetic linear luminaires

LH Slim LED hermetic linear luminaires are a slim version of the LH hermetic luminaire. They are small in size and can be combined and assembled in one line. Both, luminaires line and a single luminaire can be power supplied from either side.

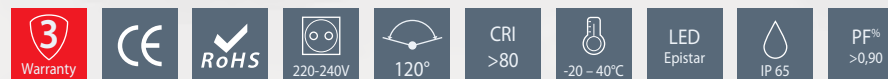


LH Slim 36W LED linear luminaire

Specification

- exceptionally good value for money ratio;
- substitute for hermetic luminaires with dual fluorescent lamps;
- possible surface mounting and suspension on the strings;
- possible serial connection of up to 10 luminaires in a row;
- slim housing made of polycarbonate.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LHS18NW	4000-4500	18	45	1700	94	40	580 x 45 x 51	0,39kg
LHS32NW	4000-4500	32	85	3000	94	84	1180 x 45 x 51	0,65kg
LHS45NW	4000-4500	45	120	4000	89	108	1480 x 45 x 51	0,85kg



LL Slim LED waterproof linear luminaires



LL Slim LED waterproof luminaires are the lamps with IP44 protection rating. Matt housing is made of polycarbonate with aluminium finish. Designed mainly for interior surfaces lighting. They will operate perfectly as substitutes for classic linear lighting (fluorescent lamps + light fittings), e.g. in storage halls, production facilities, but also as lighting system in offices and underground car parks.

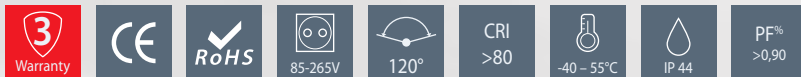
LL Slim 18W LED linear luminaire



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LLS18NW	4000-4500	18	46	1656	92	96	600 x 75 x 25	0,32kg
LLS36NW	4000-4500	36	92	3312	92	192	1200 x 75 x 25	0,52kg

Specification

- integrated light source – SMD 2835 diodes.
- ceiling or wall mounting possible, as well as suspension on strands;
- its classic, aesthetic design suits bureaus, schools, offices and flats.

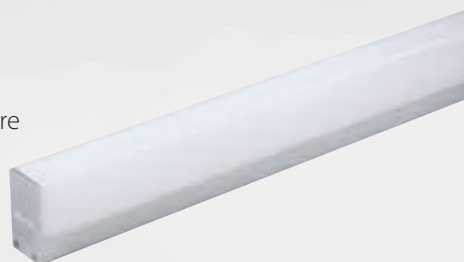


Recessed profiles and LED suspended linear luminaires

Greenie LED luminaires Boston and Toronto are modern surface mounted luminaires that can be mounted on the walls or ceilings. Due to the wide beam angle virtually shadowless lighting is provided. Greenie LED recessed profiles represent simplicity and elegance, thanks to which we can create unique lines of light. The profiles are made of high quality aluminium, while diodes are hidden behind matt covering, Boston and Toronto luminaires, Greenie LED recessed profiles are ideal for architectural facilities, suspended ceilings, as well as office, utility or commercial premises lighting.

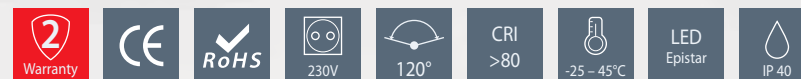


Linear LED luminaire
Boston 60W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
L03T08WW L03T08NW L03T08CW	2800-3200 4000-4500 5500-6500	8.5	40	663 706 757	78 83 89	36	314 x 19 x 19	100g
L06T15WW-230 L06T15NW-230 L06T15CW-230	2800-3200 4000-4500 5500-6500	15	80	1170 1245 1335	78 83 89	72	604 x 19 x 19	100g
L1M15WW L1M15NW	2800-3200 4000-4500	15.5	100	1209 1287	78 83	120	1010 x 19 x 36	0,45kg
L1M28WW L1M28NW L1M28CW	2800-3200 4000-4500 5500-6500	28.8	120	2246 2390 2563	78 83 89	120	1010 x 19 x 36	0,45kg
L2M40NW	4000-4500	40	200	3320	83	240	2010 x 19 x 36	0,92kg
L2M60WW L2M60NW L2M60CW	2800-3200 4000-4500 5500-6500	60	250	4680 4980 5340	78 83 89	240	2010 x 19 x 36	0,92kg
L1M34WW L1M34NW L1M34CW	2800-3200 4000-4500 5500-6500	34	120	2652 2822 3026	78 83 89	144	Ø40 x 1010	0,66kg
L1M37WW L1M37NW	2800-3200 4000-4500	37	200	2600 2782	70 75	192	1010 x 63 x 32	0,13kg

Models L03T08 and L06T15 have a touch switch on the housing



LED T8 Greenie Professional Aluminium LED tubes



Greenie Professional Aluminium LED T8 Tubes are the most efficient LED tubes in our offer, which are the perfect substitutes for classic fluorescent lamps. This series of LED tubes was equipped with highly efficient Epistar 2835 SMD diodes with high energy efficiency. The aluminium housing also acts as a passive radiator. Rotary connectors enable installation of the tube in any frame.



Professional LED tube
T8-1500mm 30W, matt

Specification

- savings in consumed energy of at least 50%;
- the tube does not require an additional dimmable ballast system;
- three colour temperatures are available;
- 5-year warranty.



Professional LED tube
T8-600mm 10W, matt



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
transparent	T8P10WW	2800-3200	10	18	950	95	48	Ø26 x 600	0,13kg
transparent	T8P10NW	4000-4500			1000	100			
transparent	T8P10CW	5500-6500			1050	105			
matt	T8M10WW	2800-3200			850	85			
matt	T8M10NW	4000-4500			900	90			
matt	T8M10CW	5500-6500			950	95			
transparent	T8P14WW	2800-3200	14	30	1330	95	72	Ø26 x 900	0,18kg
transparent	T8P14NW	4000-4500			1400	100			
transparent	T8P14CW	5500-6500			1470	105			
matt	T8M14WW	2800-3200			1190	85			
matt	T8M14NW	4000-4500			1260	90			
matt	T8M14CW	5500-6500			1330	95			
transparent	T8P18WW	2800-3200	18	36	1710	95	96	Ø26 x 1200	0,26kg
transparent	T8P18NW	4000-4500			1800	100			
transparent	T8P18CW	5500-6500			1890	105			
matt	T8M18WW	2800-3200			1530	85			
matt	T8M18NW	4000-4500			1620	90			
matt	T8M18CW	5500-6500			1710	95			
transparent	T8P21WW	2800-3200	21	52	1995	95	108	Ø26 x 1200	0,26kg
transparent	T8P21NW	4000-4500			2100	100			
transparent	T8P21CW	5500-6500			2205	105			
matt	T8M21WW	2800-3200			1785	85			
matt	T8M21NW	4000-4500			1890	90			
matt	T8M21CW	5500-6500			1995	95			
transparent	T8P23WW	2800-3200	23	58	2185	95	120	Ø26 x 1500	0,33kg
transparent	T8P23NW	4000-4500			2300	100			
transparent	T8P23CW	5500-6500			2415	105			
matt	T8M23WW	2800-3200			1955	85			
matt	T8M23NW	4000-4500			2070	90			
matt	T8M23CW	5500-6500			2185	95			
transparent	T8P28WW	2800-3200	28	70	2660	95	144	Ø26 x 1800	0,36kg
transparent	T8P28NW	4000-4500			2800	100			
transparent	T8P28CW	5500-6500			2940	105			
matt	T8M28WW	2800-3200			2380	85			
matt	T8M28NW	4000-4500			2520	90			
matt	T8M28CW	5500-6500			2660	95			
transparent	T8P30WW	2800-3200	30	76	2850	95	168	Ø26 x 1500	0,33kg
transparent	T8P30NW	4000-4500			3000	100			
transparent	T8P30CW	5500-6500			3150	105			
matt	T8M30WW	2800-3200			2550	85			
matt	T8M30NW	4000-4500			2700	90			
matt	T8M30CW	5500-6500			2850	95			

LED T8 Balast LED tubes

Greenie LED T8 Tube compatible with ballast can be used as a 1:1 substitute for conventional fluorescent lamps – no changes in the housing required. The offered model is compatible with conventional fluorescent lamps fittings and works flawlessly with magnetic and electronic dimmable ballast systems of the world-famous brands.

LED T8 tubes with dimmable ballast

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
T8M10WW-B T8M10NW-B	2800-3200 4000-4500	10	18	850 900	85 90	48	Ø26 x 600	0,13kg
T8M18NW-B	4000-4500	18	36	1620	90	96	Ø26 x 1200	0,26kg
T8M23NW-B	4000-4500	23	58	2070	90	120	Ø26 x 1500	0,33kg

Specification

- savings in consumed energy of at least 50%;
- three colour temperatures are available;
- 3-year warranty.



LED tubes with motion sensor

Greenie LED T8 tubes with microwave motion sensor and standby function are an ideal product for use in corridors, staircases, passageways and other places where light is needed for a specified time only. LED tube turns on automatically when it detects motion and switches to standby mode when the motion ceases.



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
T8M09NW-MV	4000-4500	9	18	900	100	48	Ø26 x 600	0,15kg
T8M18NW-MV	4000-4500	18	36	1800	100	96	Ø26 x 1200	0,26kg

Specification

- in the standby mode the power level of the tube goes down to 20%;
- the tube is equipped with a microwave sensor with a range of up to 8m;
- adjustable lighting time.



LED T8 Professional Glass tubes



Greenie LED T8 Professional Glass tubes are a direct substitute for traditional fluorescent lamps. They are most similar to the fluorescent lamps in terms of the design and a method of lighting, which involves almost its entire surface. Matt covering provides the appropriate light distribution and Epistar 2835SMD diodes provide high light efficiency.



LED T8 24W matt
Glass tube

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
T8G09NW	4000-4500	9	18	950	105	60	Ø26 x 600	0,17kg
T8G12NW	4000-4500	12	24	1260	105	80	Ø26 x 900	0,22kg
T8G18NW	4000-4500	18	36	1890	105	120	Ø26 x 1200	0,26kg
T8G24NW	4000-4500	24	58	2520	105	150	Ø26 x 1500	0,34kg

Specification

- savings in consumed energy of at least 50%;
- 3-years warranty, best value for money ratio;
- the tube does not require dimmable ballast system;
- ideal substitute for raster luminaires.



LED T5 tubes

Greenie LED T5 tubes are the perfect substitutes for commonly used fluorescent lamps with a length of 300 to 1450mm. Each tube has a built-in controller, which allows it to operate under mains voltage of 230V without any additional devices. The diameter and length of the tubes are identical to their conventional equivalents.



LED T5 8W Aluminium Matt tube

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
T5M04NW	4000-4500	4	8	440	110	66	Ø16 x 300	0,1kg
T5M08NW	4000-4500	8	16	880	110	132	Ø16 x 550	0,103kg
T5M12NW	4000-4500	12	24	1320	110	198	Ø16 x 850	0,154kg
T5M16NW	4000-4500	16	36	1760	110	264	Ø16 x 1150	0,206kg
T5M20NW	4000-4500	20	44	2200	110	330	Ø16 x 1450	0,25kg
T8M23NW-T5*	4000-4500	23	58	2070	90	120	Ø26 x 1450	0,33kg

* lamp with T5 connectors in T8 tube

Specification

- capacity above 110 lm/W;
- heat dissipation via aluminium radiator;
- does require any dimmable ballast systems.



LED T5 tubes with integrated light fitting

LED T5 tubes with integrated light fitting enable very effective cost optimization. For the price of one product we can get a T5 tube with an integrated luminaire for mounting on any surface (movable mounting elements included).

LED T5 14W tube with light fitting matt

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
T5OM10NW	4000-4500	10	25	800	80	48	580 x 35 x 22	0,1kg
T5OM14NW	4000-4500	14	35	1120	80	72	880 x 35 x 22	0,13kg
T5OM18NW-P* T5OM18NW	4000-4500 4000-4500	18	45	1440 1440	80 80	96	1180 x 35 x 22	0,17kg

* T5 Tube in a light fitting with an ON/OFF button

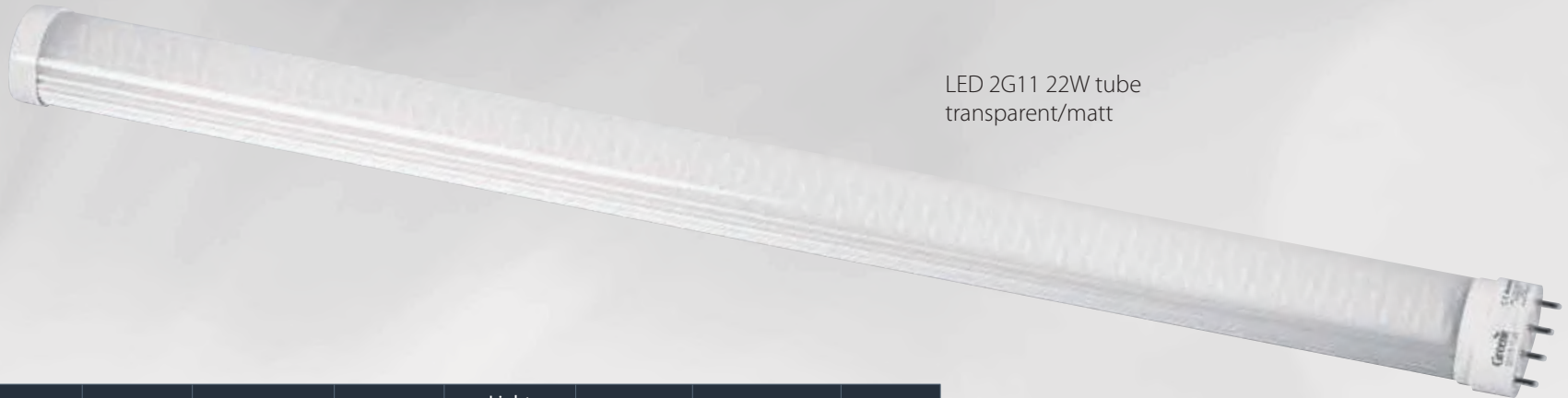
LED T5 10W tube with light fitting matt

Specification

- LEDs used – Epistar SMD 2835;
- matt light diffusing coverings;
- does not require dimmable ballast system;
- possibility of serial connection.



Greenie 2G11 LED tubes are very popular light source used for office lighting. They are powered on one side and are equipped with four pins. Various lengths and luminous powers available. They will be perfect for offices, staircases, garages, modern home and industrial architecture designs.



LED 2G11 22W tube
transparent/matt

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PLL16WW	2800-3200	16	36	1300	81	72	417 x 38 x 27	0,2kg
PLL16NW	4000-4500			1380	86			
PLL16CW	5500-6500			1460	91			
PLL22WW	2800-3200	22	50	2000	91	108	542 x 38 x 27	0,25kg
PLL25WW	2800-3200	25	70	1750	70	110	542 x 38 x 27	0,25kg
PLL25NW	4000-4500			2000	80			

Specification

- direct substitute for PL-L fluorescent lamps;
- connected directly to a 230V power grid;
- matt or transparent covering.







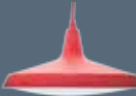


CEILING LUMINAIRES AND PANELS

LED ceiling luminaires and panels are popular not only in households or apartments but also in bureaus, offices, shops or other public places. Our offer includes lamps adapted for installation on special strands or directly in suspended ceilings and Armstrong type ceilings. We also offer plafonds and ceiling surface mounted LED panels.

Main benefits of using ceiling luminaires and panels of Greenie brand:

- a wide range of products and installation methods adapted to various rooms;
- evenly distributed light provides a modern and aesthetic lighting effect;
- efficient substitutes for classic sources such as raster fluorescent lamps 4x18;
- energy saving and extended service life.

		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
Slim LED panels		<ul style="list-style-type: none"> • installation in suspended ceilings on strands or surface mounted with the use of frames; • aluminium housing in white, perfectly dispersed light; • available dimensions [mm]: 300 x 300; 600 x 300; 1200 x 300; 1200 x 600. 	20W, 40W, 45W, 60W	120W-320W	68
LED PLGM raster luminaires		<ul style="list-style-type: none"> • aluminium housing in white; • matt covering of diodes; • available dimensions: 60x60cm, 120x30cm. 	36W	180W	70
LED special panels		<ul style="list-style-type: none"> • comply with EN 62471 photobiological standard and can be used in hospitals, clinics, outpatient clinics or food production sites; • housing made of plastic. 	40W, 45W, 48W	180W-250W	71
LED recessed ceiling luminaires		<ul style="list-style-type: none"> • large selection of models; • recessed mounting with spring brackets; • efficient alternatives for conventional light sources. 	3W-40W	40W-270W	72
LED ceiling panels		<ul style="list-style-type: none"> • aluminium housing in white; • matt covering of diodes which diffuses light; • efficient alternatives for conventional light sources. 	4W, 6W, 12W, 16W, 18W, 24W	25W-180W	74
Manhattan LED luminaires		<ul style="list-style-type: none"> • Power LEDs used; • aluminium housing in black and silver; • beam angle of the luminaires: 60°. 	8W, 16W, 24W	100W-300W	75
Soho LED luminaires		<ul style="list-style-type: none"> • aluminium housing in grey; • beam angle of the luminaires: 60°. • Power LEDs used; 	20W, 30W, 40W	180W-320W	76
LED plafonds		<ul style="list-style-type: none"> • evenly distributed beam of light; • beam angle: 120°; • matt covering of diodes. 	10W, 13W, 16W, 17W, 18W	75W-150W	77
SOLID LED plafonds		<ul style="list-style-type: none"> • metal housing; • LEDs used – Epistar 2835; • matt covering of diodes which diffuses light. 	5W, 12W, 18W, 30W, 36W, 48W	40W-350W	78
LED plafonds and luminaires with motion sensor		<ul style="list-style-type: none"> • adjustable lighting time of the plafonds from 10 to 200 seconds; • sensor range: 5-6 meters; • housing made of plastic. 	8W, 13W, 17W, 18W, 22W	10W-150W	80
LED ceiling track lights		<ul style="list-style-type: none"> • 45 narrow beam angle; • Epistar COB LEDs used; • aluminium housing in white, 	10W, 20W, 30W	70W-200W	81
LED designer suspended lamps		<ul style="list-style-type: none"> • various housing colours, made of plastic, glass or aluminium; • also available multicolour (RGB) lights; • Epistar SMD 2835 LEDs used. 	9W-34W	50W-200W	82

Slim LED panels

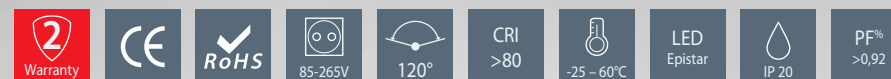
Greenie LED PLS panels are ultra thin ceiling mounted panels that are a modern substitute for mainly raster fluorescent lamp fittings. Greenie LED Panels PLS distinguish themselves by the luminescence of their entire surface, which gives a very aesthetic effect and fits both residential and office spaces.



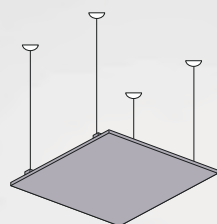
Specification

- installation options: in suspended ceilings on strands or surface mounted with the help of additional frames;
- aluminium housing in white;
- dimmable via dedicated driver;
- available dimensions: 30x30cm, 60x60cm, 120x30cm, 120x60cm.

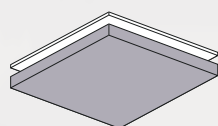
Slim LED panels



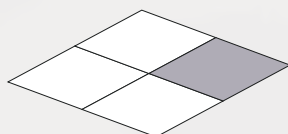
LED Slim Panel 40W 60x60cm



suspended



surface mounted
in frame



built-in

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PLS20WW PLS20RGB PLS20NW PLS20CW	2800-3200 RGB 4000-4500 5500-6500	20	120	1300 1400 1450	65 70 73	100 48 100 100	300 x 300 x 9,8	1,2kg
PLS40WW PLS40NW PLS40CW	2800-3200 4000-4500 5500-6500	40	180	3367 3544 3686	84 89 92	192	595 x 595 x 8	3,4kg
PLS45WW PLS45NW PLS45CW	2800-3200 4000-4500 5500-6500	45	250	3450 3600 3750	77 80 83	192	295 x 1195 x 8	3,9kg
PLS60CC PLS55WW PLS55NW PLS55CW	2800-6500 2800-3200 4000-4500 5500-6500	60	320	4500 4450 4500 4550	75 74 75 76	488 288 288 288	595 x 595 x 9,8 600 x 1200 x 11,5 600 x 1200 x 11,5 600 x 1200 x 11,5	4,5kg 9kg 9kg 9kg

LED PLGM raster luminaires

LED PLGM series raster luminaires will replace the conventional raster fixtures with fluorescent lamps. This is a very popular solution used in Armstrong suspended ceilings. The panel that we offer is characterized by very good diffusion of light and an interesting design, which will suit almost every office and apartment.



LED PLGM luminaire
60x60cm

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PLGM36WW	2800-3200	36	180	2800	78	360	595 x 595 x 30	3kg
PLGM36NW	4000-4500			3000	83		595 x 595 x 30	
PLGM36CW	5500-6500			3200	89		595 x 595 x 30	
PLGM136WW	2800-3200			3000	83		1197 x 297 x 30	
PLGM136NW	4000-4500			3200	89		1197 x 297 x 30	
PLGM136CW	5500-6500			3400	94		1197 x 297 x 30	

Specification

- aluminium housing in white;
- matt covering of diodes;
- available dimensions: 60x60cm, 120x30cm.



LED special panels

Greenie LED special panels are an innovative solution in the field of ceiling lighting. In addition to the efficient lighting these products are characterized by meeting certain lighting parameters. For example, a low UGR (Uniform Glare Rating), which is especially important in office lighting. Additionally, the panels illuminate with their entire surface, which gives a very aesthetic effect and suits both residential and office spaces.



LED Wave 40W panel



LED Wave 45W panel

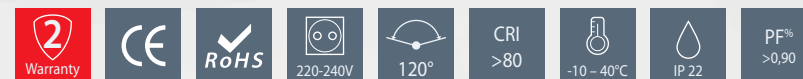


LED UltraSlim panel 48W with adjustable light colour and the possibility of dimming with the use of remote control

Specification

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PLW40NW	4000-4500	40	180	3600	90	108	600 x 600 x 50	4,2kg
PLW45NW	4000-4500	45	200	4050	90	108	1200 x 300 x 50	4kg
PLS48CC	2800-6500	48	250	3600	75	192	595 x 595 x 9	3,5kg

- the panels comply with EN 62471 photobiological standard and can be used in hospitals, clinics, outpatient clinics, or food production sites;
- installation options: in suspended ceilings on strands or surface mounted with the help of additional frames;
- housing made of plastic or aluminium;
- available dimensions: 60x60cm, 120x30cm.



LED recessed ceiling luminaires



Greenie LED ceiling luminaires is the category of over a dozen products of different dimensions, wattage, shapes and housing colours. These are the most popular ceiling luminaires that will successfully replace standard halogen lights. Most often they are used in suspended ceilings.



LED square ceiling luminaire
4x3x1W

LED ceiling luminaire
Downlight adjustable angle 20W



Ceiling luminaire
LED Downlight 30W

Ceiling luminaire
LED 3x1W



LED ceiling luminaire
Downlight 15W

Specification

- a large number of models to choose from;
- both flush and surface mounted;
- efficient alternatives to conventional sources;
- modern design suitable for many rooms.





LED round ceiling panel 18W

LED recessed ceiling luminaires

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LED square ceiling luminaire 3x1 3W WW LED square ceiling luminaire 3x1 3W NW LED square ceiling luminaire 3x1 3W CW	OSP03WW-S OSP03NW-S OSP03CW-S	2800-3200 4000-4500 5500-6500	3	40	210 240 255	70 80 85	3	92 x 92 x 40	80g 80g 100g
LED ceiling luminaire 3x1 3.6W WW LED ceiling luminaire 3x1 3.6W NW	OSP03WW OSP03NW	2800-3200 4000-4500	3.6	40 40	225 240	63 67	3	92 x 92 x 40 92 x 92 x 40	80g 80g
LED ceiling luminaire 5x1 5.5W WW LED ceiling luminaire 5x1 5.5W NW	OSP05WW OSP05NW	2800-3200 4000-4500	5.5	60	450 500	82 91	5	92 x 92 x 40	0,16kg
LED ceiling luminaire 6x1 6W WW LED ceiling luminaire 6x1 6W NW	OSP06WW OSP06NW	2800-3200 4000-4500	6	60	420 480	70 80	6	Ø110 x 2,5	0,16kg
LED ceiling luminaire 2x3x1 8W WW LED ceiling luminaire 2x3x1 8W NW	OSP08WW OSP08NW	2800-3200 4000-4500	8	70	420 480	53 60	6	Ø92 x 173	0,22kg
LED ceiling luminaire 9x1 10.8W WW LED ceiling luminaire 9x1 10.8W NW LED ceiling luminaire 9x1 10.8W CW	OSP09WW OSP09NW OSP09CW	2800-3200 4000-4500 5500-6500	10.8	100	780 840 924	72 78 86	9	Ø135 x 70	0,45kg
LED ceiling luminaire 3x3x1 11W WW LED ceiling luminaire 3x3x1 11W NW LED ceiling luminaire 3x3x1 11W CW	OSP11WW OSP11NW OSP11CW	2800-3200 4000-4500 5500-6500	11	105	630 720 765	57 65 70	9	Ø92 x 250	0,35kg
LED ceiling luminaire 12x1W 12W CW	OSP12CW	5500-6500	12	120	1020	85	12	Ø140 x 2,5	0,48kg
LED Downlight luminaire 18W WW LED Downlight luminaire 18W NW	OSD18WW OSD18NW	2800-3200 4000-4500	18	150 150	1470 1530	82 85	36 36	Ø190 x 60 Ø190 x 60	1,21kg 1,21kg
LED Downlight luminaire 24W WW LED Downlight luminaire 24W NW LED Downlight luminaire 24W CW	OSD24WW OSD24NW OSD24CW	2800-3200 4000-4500 5500-6500	24	150	1850 1900 2200	77 79 92	48	Ø225 x 60	1,73kg
LED Downlight luminaire 30W adjustable angle WW LED Downlight luminaire 30W adjustable angle NW LED Downlight luminaire 30W adjustable angle CW	OSK30WW OSK30NW OSK30CW	4000-4500	30	200	2640	88	1	Ø188 x 165	1,73kg
LED ceiling luminaire COB 40W NW LED ceiling luminaire COB 40W CW	OSC40NW OSC40CW	4000-4500 5500-6500	40	270	3200 3320	80 83	1	Ø160 x 110	1,49kg

LED ceiling panels

Greenie LED ceiling panels represent a product category which includes flush-mounted panels of different wattage and shapes. These are the panels with an integrated light source, that is built-in diodes. Each panel has a dedicated power supply unit, allowing connection at 230V. The panels can be used in suspended ceilings instead of conventional fittings with halogen lamps.

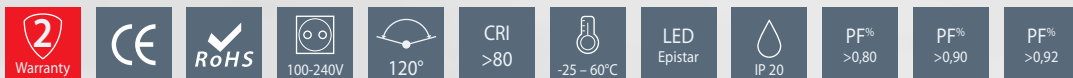


LED ceiling panel 6W

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
square	PNS04WW	2800-3200	4	25	300	75	30	120 x 120 x 12	0,28kg
square	PNS04NW	4000-4500			321	80			
square	PNS06WW	2800-3200	6	35	420	70	30	120 x 120 x 12	0,28kg
round	PNR06WW	2800-3200			460	77		Ø105 x 12	
round	PNR06NW	4000-4500			480	80		Ø105 x 12	
round	PNR06CW	5500-6500			500	83		Ø105 x 12	
square	PNS12NW	4000-4500	12	50	1010	84	68	200 x 200 x 20	0,6kg
square	PNS16WW	2800-3200	16	80	1260	79	90	217 x 217 x 20	0,6kg
square	PNS16NW	4000-4500			1348	84			
round	PNR18WW	2800-3200	18	150	1700	94	100	Ø225 x 20	0,39kg
round	PNR18NW	4000-4500			1800	100			
round	PNR18CW	5500-6500			1900	106			
round	PNR24WW	2800-3200	24	180	1600	67	120	Ø300 x 12	0,58kg
round	PNR24NW	4000-4500			1680	70			

Specification

- aluminium housing in white;
- matt covering of diodes which diffuses light;
- efficient alternatives for conventional light sources.



Greenie LED Manhattan luminaires are a modern LED luminaires with narrow beam angle. They have moving parts with integrated diodes, allowing to move the light beam in any direction. The lamps will be perfect for apartments, offices or utility facilities.

LED ceiling luminaire
Manhattan 16W



LED ceiling luminaire
Manhattan 24W



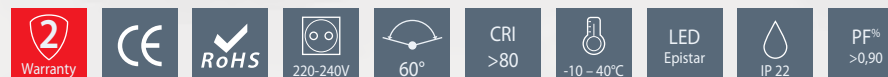
LED ceiling luminaire
Manhattan 8W



Specification

- Power LEDs used;
- aluminium housing in black and silver or black;
- beam angle of the luminaires: 60°.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
MANB07WW	2800-3200	8	100	522	65	7	140 x 140 x 128	0,35kg
MANB07NW	4000-4500			556	70			
MANB07CW	5500-6500			598	75			
MAN07WW	2800-3200							
MAN07NW	4000-4500							
MAN07CW	5500-6500							
MANB14WW	2800-3200	16	200	1045	65	14	245 x 140 x 130	0,65kg
MANB14NW	4000-4500			1118	70			
MANB14CW	5500-6500			1196	75			
MAN14WW	2800-3200							
MAN14NW	4000-4500							
MAN14CW	5500-6500							
MANB21WW	2800-3200	24	300	1567	65	21	350 x 140 x 128	0,85kg
MANB21NW	4000-4500			1677	70			
MANB21CW	5500-6500			1794	75			
MAN21WW	2800-3200							
MAN21NW	4000-4500							
MAN21CW	5500-6500							



Soho LED luminaires

Greenie LED Soho luminaires are an impressive, directional light source, allowing spot lighting of the room. Thanks to the movable modules containing LED diodes it can illuminate and expose the desired elements of the room. Soho luminaires stand out for their designer look, thanks to which they can be used in a modern interiors.



Ceiling luminaire
LED SOHO 27W

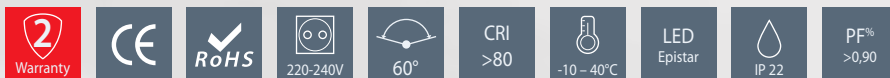


Ceiling luminaire
LED SOHO 27W

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
SOH18WW SOH18NW	2800-3200 4000-4500	20	180	1260 1348	63 67	18	450 x 180 x 45	1,2kg
SOH27WW SOH27NW	2800-3200 4000-4500	30	240	1890 2022	63 67	27	720 x 180 x 45	1,8kg
SOH36WW SOH36NW	2800-3200 4000-4500	40	320	2520 2696	63 67	36	450 x 340 x 45	2,5kg

Specification

- aluminium housing in grey;
- beam angle of the luminaires: 60°.
- Power LEDs used;
- installation with the strands included in the kit.



Greenie LED plafonds are surface-mounted equivalents of traditional plafonds. These are square and round luminaires made of plastic with an increased protection rating. We also offer a version with emergency power supply which is ideal for use in staircases, for example.

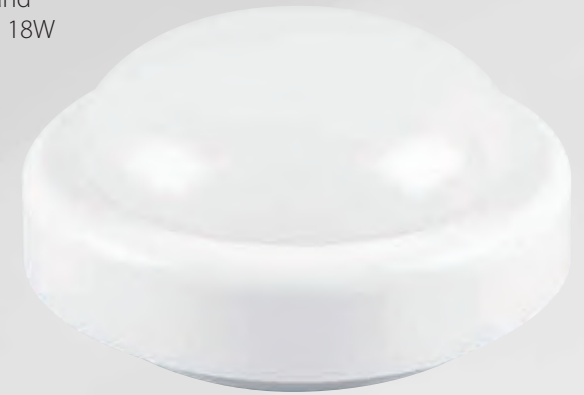


LED round
plafond 16W



LED square
plafond 13W

LED round
plafond 18W



Specification

- evenly distributed light beam;
- beam angle: 120°;
- matt covering of diodes;
- battery with emergency power supply allows operation of up to 3 hours.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PLA13WW PLA13NW	2800-3200 4000-4500	13	100	1000 1070	71 83	72	225 x 225 x 35	0,73kg
PLA16WW	2800-3200	16	100	1040	65	40	Ø330 x 107	1,1kg
PE12NW	4000-4500	17	150	1300	76	84	Ø305 x 84	1,53kg
PLA18NW	4000-4500	18	135	1400	78	38	Ø197 x 95	0,483kg



SOLID LED plafonds

Greenie SOLID LED plafonds are surface-mounted round or square light sources, and their name reflects very robust design and great attention to details. The housing is made of metal – it is resistant to external factors. SOLID LED plafonds will thus perfectly light the stairways, corridors, basements or storage areas.

LED Solid plafond 18W



LED Solid plafond 12W



LED Solid plafond 5W



Specification

- IP42 protection rating;
- LEDs used – Epistar 2835;
- matt covering of diodes which diffuses light;
- diverse offer in terms of wattage and dimensions.

LED Solid plafond 18W



LED Solid plafond 5W



LED Solid plafond 12W

SOLID LED plafonds

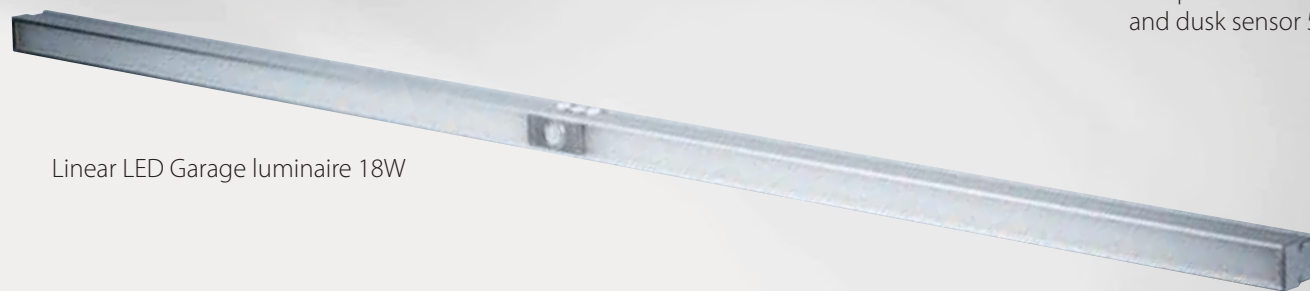


	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
round	PMO05WW	2800-3200	5	40	430	86	25	Ø120 x 40	0,28kg
round	PMO05NW	4000-4500		40	450	90	25	Ø120 x 40	
round	PMO05CW	5500-6500		40	480	96	25	Ø120 x 40	
square	PMK05WW	2800-3200		35	430	86	20	120 x 120 x 40	
square	PMK05NW	4000-4500		35	450	90	20	120 x 120 x 40	
square	PMK05CW	5500-6500		35	480	96	20	120 x 120 x 40	
round	PMO12WW	2800-3200	12	100	1032	86	60	Ø170 x 40	0,42kg
round	PMO12NW	4000-4500			1080	90		Ø170 x 40	0,42kg
round	PMO12CW	5500-6500			1152	96		Ø170 x 40	0,42kg
square	PMK12WW	2800-3200			1032	86		170 x 170 x 40	0,5kg
square	PMK12NW	4000-4500			1080	90		170 x 170 x 40	0,5kg
square	PMK12CW	5500-6500			1152	96		170 x 170 x 40	0,5kg
round	PMO18WW	2800-3200	18	150	1548	86	100	Ø220 x 40	0,43kg
round	PMO18NW	4000-4500			1620	90		Ø220 x 40	0,43kg
round	PMO18CW	5500-6500			1728	96		Ø220 x 40	0,43kg
square	PMK18WW	2800-3200			1548	86		220 x 220 x 40	0,8kg
square	PMK18NW	4000-4500			1620	90		220 x 220 x 40	0,8kg
square	PMK18CW	5500-6500			1728	96		220 x 220 x 40	0,8kg
round	PMO30WW	2800-3200	30	250	2400	80	150	Ø400 x 40	3kg
round	PMO30NW	4000-4500			2500	83			
square	PMK36NW	4000-4500	36	300	2700	75	180	400 x 400 x 40	3kg
round	PMO48WW	2800-3200	48	350	3360	70	240	Ø600 x 40	4,5kg
round	PMO48NW	4000-4500			3500	73			

LED plafonds and luminaires with motion sensor



Greenie LED plafonds and Greenie LED Garage luminaires with motion sensor and dusk sensor are products with an integrated light source and a sensor which turns them on after dark and when movement is detected. The products are dedicated for surface mounting, equipped with fully adjustable PIR (Passive Infra Red) sensors. Thanks to this function, the products are perfect for places where continuous light is not required, e.g. in garages, staircases, passageways or corridors.



Linear LED Garage luminaire 18W

LED plafond with motion and dusk sensor 5W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PPIR08NW	4000-4500	8	70	600	75	16	Ø290 x 75	0,3kg
PPIR13WW PPIR13NW	2800-3200 4000-4500	13	100	1000 1100	77 85	64	Ø210 x 40	0,272kg
PMV12NW	4000-4500	17	150	1300	76	84	Ø305 x 84	0,53kg
GA08NW	4000-4500	8	18	720	90	66	523 x 67 x 33	0,7kg
GA18NW	4000-4500	18	40	1260	70	88	1200 x 28 x 40	0,7kg
GA22NW	4000-4500	22	58	1980	90	180	1200 x 67 x 33	1,3kg

Specification

- adjustable lighting time of the plafonds from 10 to 200 seconds;
- sensor range: 5-6 meters;
- housing made of plastic;
- plafonds with microwave and infrared (PIR) sensor available.



LED ceiling track lights

Greenie LED ceiling mounted lights are a narrow-angle directional lighting that can be surface mounted. The lights are mounted on a special moving support, which allows directing the light beam in a particular direction. The lights are perfect not only in retail premises, but also in modern apartments.

LED ceiling mounted light with adjustable beam angle 30W COB



Specification

- 45° narrow beam angle;
- Epistar COB LEDs used;
- aluminium housing in white;
- efficient substitute – 30W is an equivalent to 200W traditional light source.

LED ceiling mounted light with adjustable beam angle 20W COB



LED ceiling mounted light with adjustable beam angle, metal, 30W COB



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
RN10WW RN10NW RN10CW	2800-3200 4000-4500 5500-6500	10	70	870 890 900	87 89 90	1	Ø85 x 100	0,6kg
RNB20NW	4000-4500	20	120	1700	85	1	Ø97 x 180	0,83kg
RNS30NW RN30WW RN30NW RN30CW	4000-4500 2800-3200 4000-4500 5500-6500	30	180 200 200 200	2400 3100 3150 3200	80 103 105 107	1	Ø110 x 153 Ø120 x 140 Ø120 x 140 Ø120 x 140	1,2kg 0,8kg 0,8kg 0,8kg



LED designer suspended lamps

Greenie LED suspended lamps are designer chandeliers with an integrated light source – LED diodes. The lamps of this series were created with great attention to detail and modern design thanks to which they can be used not only in the apartments but also in places such as restaurants, cafeterias, art galleries. Apart from the classic chandeliers, we offer lamps of Space series, that is oval lamps with linear illuminating surface which gives them a unique character.



LED suspended lamp
chandelier 11W

LED suspended lamp 10W



Specification

- housing made of plastic, glass or aluminium in various colours;
- multicolour (RGB) lights are also available;
- Epistar SMD 2835 LEDs used.

LED designer suspended lamps



We are able to deliver various types of decorative lamps on special request, according to the customer or architect requirements.

LED RGB suspended lamp with remote control

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Dimensions [mm]	Weight
LED suspended lamp chandelier 9W RGB	LAM09RGB	RGB	9	50			260 x 100	0,5kg
LED suspended lamp chandelier disc black and red 10W WW	LAM10WW	2800-3200	10	80	550	55	160 x 160	0,55kg
LED suspended lamp chandelier, rubber housing in red 11W WW	LAM11WW	2800-3200	11	60	580	53	280 x 150	0,55kg
LED suspended lamp RING 18W Chrome WW	RING18-C	2800-3200	18	100	1008	56	Ø500 x 1200	0,9kg
LED suspended lamp chandelier white mat 25W WW	LAM25WW	2800-3200	25	150	1100	44	200 x 1000	0,5kg
LED suspended lamp chandelier white mat 25W NW	LAM25NW	4000-4500			1210	48		
LED suspended lamp SPACE 26W Chrome WW	SPACE26-C	2800-3200	26	150	1456	56	400 x 300 x 1200	0,9kg
LED suspended lamp SPACE 34W Silver WW	SPACE34-S	2800-3200	34	200	1904	56	500 x 400 x 1200	1,1kg

TRACK LIGHTS

LED track lighting is a modern modular lighting system that successfully can be used for lighting galleries, shops, modern houses or other places requiring spot lighting. The characteristic features of the track lighting include: ease of configuration, mobility and versatility of applications. A variety of dedicated, cost-effective lights allow extensive use of the track systems.

Key benefits of using the Greenie track lights:

- efficient and very cost effective substitutes for halogen lights;
- single-phase and three-phase version available;
- wide choice of lights in terms of: power, design, beam angle;
- trouble-free assembly of the entire lighting system.



		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
Single-phase PowerLED track lights		<ul style="list-style-type: none"> • a wide range of lights to suit different rooms; • low operating costs; • fast assembly of the track system; • the best value for money ratio; • available wattage: from 3 to 14W, in various colour configurations. 	3W, 9W, 14W	35W-150W	86
Single-phase LED COB track lights		<ul style="list-style-type: none"> • any configuration of lighting parameters possible (wattage, colour, beam angle, CRI), as well as the style of the housing and its colour; • a wide range of lights to suit different rooms; • low operating costs; • fast assembly of the track system. 	7W, 9W, 15W, 20W, 30W	75W-250W	87
Three-phase LED track lights		<ul style="list-style-type: none"> • any configuration of lighting parameters possible (wattage, colour, beam angle, CRI), as well as the style of the housing and its colour; • a wide range of lights to suit different rooms; • low operating costs; • fast assembly of the track system. 	7W, 15W, 20W, 30W, 50W	50W-350W	88
Three-phase Professional LED track lights		<ul style="list-style-type: none"> • housing available in white or black; • the light source uses CREE CXB1820 COB diode; • five-year warranty; • standard 60° beam angle; thanks to the additional lens the beam angle of 25° can be obtained. 	25W	150W	89
LED track light fittings		<ul style="list-style-type: none"> • housing in black or white; • available in single-phase and three-phase standard; • built-in E27 thread. 			90
LED bulbs for track light fittings		<ul style="list-style-type: none"> • several wattage variants available; • beam angle of 24° and higher available; • low operating costs; • thanks to the special construction, they perfectly fit into the light fitting. 	12W, 20W, 40W	75W-200W	91
Accessories for 1-phase LED track lights and track light fittings		<ul style="list-style-type: none"> • necessary elements of the track system: rails and connectors; • various types of connectors: straight, angled, triple; • available in various colours. 			92
Accessories for 3-phase LED track lights and track light fittings		<ul style="list-style-type: none"> • necessary elements of the track system: rails and connectors; • various types of connectors: straight, angled, triple; • available in various colours. 			93

Single-phase PowerLED track lights

Greenie single-phase PowerLED track lights are very popular as a solution for lighting modern rooms. These directional lights allow you to highlight specific parts of the room, such as wall paintings or shop display elements. Lights can be used as an additional lighting.

Greenie

LED 1-phase track light 14x1W



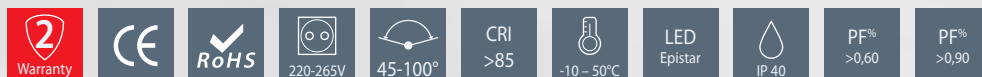
LED 1-phase track light 9W



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
Black housing	RS1C04WW	2800-3200	4	35	280	70	3	Ø55 x 110	0,2kg
Black housing	RS1C04NW	4000-4500			320	80			
Black housing	RS1C04CW	5500-6500			340	85			
White housing	RS1B04WW	2800-3200			280	70			
White housing	RS1B04NW	4000-4500			320	80			
White housing	RS1B04CW	5500-6500			340	85			
Black housing	RS1C09WW	2800-3200	9	100	630	70	7	Ø72 x 124	0,34kg
Black housing	RS1C09NW	4000-4500			720	80	7	Ø72 x 124	0,34kg
Black housing	RS1C09CW	5500-6500			765	85	7	Ø72 x 124	0,34kg
White housing	RS1B09WW	2800-3200			630	70	7	Ø72 x 124	0,34kg
White housing	RS1B09NW	4000-4500			720	80	7	Ø72 x 124	0,34kg
White housing	RS1B09CW	5500-6500			765	85	7	Ø72 x 124	0,3kg
Black housing	RS1C14WW	2800-3200	14	150	980	70	12	Ø100 x 180	0,65kg
Black housing	RS1C14NW	4000-4500			1120	80			
Black housing	RS1C14CW	5500-6500			1190	85			
White housing	RS1B14WW	2800-3200			980	70			
White housing	RS1B14NW	4000-4500			1120	80			
White housing	RS1B14CW	5500-6500			1190	85			

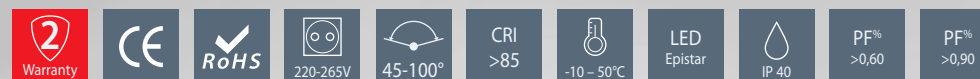
Specification

- a wide range of lights to suit different rooms;
- low operating costs;
- fast assembly of the track system;
- lights based on various LED technologies (COB, PowerLED).



Single-phase LED COB track lights use COB (Chip On Board) LEDs, which have better luminous efficiency [lm/W] than other LED solutions. Therefore we were able to obtain strong, highly focused light beam and a very long life span of light points.

Single-phase LED COB track lights



1-phase LED track light 30W
adjustable beam angle

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
White housing	RSV1B07WW	2800-3200	7	75	602	86	1	55 x 80 x 200	0,22kg
White housing	RSV1B07NW	4000-4500			630	90			
White housing	RSV1B07CW	5500-6500			658	94			
White housing	RSV1B09WW	2800-3200	9	100	774	86	1	50 x 138 x 200	0,3kg
White housing	RSV1B09NW	4000-4500			810	90	1	50 x 138 x 200	0,3kg
White housing	RSV1B09CW	5500-6500			846	94	1	50 x 138 x 200	0,3kg
Black housing	RS1C09WW	2800-3200			630	70	7	Ø72 x 124	0,34kg
Black housing	RS1C09NW	4000-4500			720	80	7	Ø72 x 124	0,34kg
Black housing	RS1C09CW	5500-6500			765	85	7	Ø72 x 124	0,34kg
White housing	RS1B09WW	2800-3200			630	70	7	Ø72 x 124	0,34kg
White housing	RS1B09NW	4000-4500			720	80	7	Ø72 x 124	0,34kg
White housing	RS1B09CW	5500-6500			765	85	7	Ø72 x 124	0,34kg
Black housing	RSV1C15WW	2800-3200	15	120	1290	86	1	70 x 135 x 190	0,54kg
Black housing	RSV1C15NW	4000-4500			1350	90			
Black housing	RSV1C15CW	5500-6500			1410	94			
Silver housing	RSV1S20NW	4000-4500	20	100	1800	90	1	98 x 130 x 200	1,15kg
Black housing	RSV1C20WW	2800-3200			1720	86		130 x 130 x 240	1,26kg
Black housing	RSV1C20NW	4000-4500			1800	90		130 x 130 x 240	1,26kg
Black housing	RSV1C20CW	5500-6500			1880	94		130 x 130 x 240	1,26kg
Black housing	RSW1C30WW	2800-3200	30	250	2400	80	1	110 x 114 x 270	1,35kg
Black housing	RSW1C30NW	4000-4500		250	2580	86		110 x 114 x 270	1,35kg
White housing	RSW1B30WW	2800-3200		250	2400	80		110 x 114 x 270	1,35kg
White housing	RSW1B30NW	4000-4500		250	2580	86		110 x 114 x 270	1,35kg
Black housing	RSVS1C30WW	2800-3200		250	2580	86		230 x 205 x 100	0,98kg
Black housing	RSVS1C30NW	4000-4500		250	2700	90		230 x 205 x 100	0,98kg
White housing	RSV1B30WW	2800-3200		150	2580	86		98 x 130 x 200	0,99kg
White housing	RSV1B30NW	4000-4500		150	2700	90		98 x 130 x 200	0,99kg
White housing	RSV1B30CW	5500-6500		150	2820	94		98 x 130 x 200	0,99kg
Silver housing	RS1S30WW	2800-3200	30	250	2100	70	1	Ø101 x 220	1,1kg
Silver housing	RS1S30RGB	RGB		250				Ø101 x 220	1,1kg
Silver housing	RS1S30NW	4000-4500		250	2400	80		Ø101 x 220	1,1kg
Silver housing	RS1S30CW	5500-6500		250	2550	85		Ø101 x 220	1,1kg

Three-phase LED track lights



Greenie three-phase LED track lights are the extension of the single-phase system. These lights are mounted on dedicated tracks and they can be controlled individually – regardless of how many lights there are on the track – they can be turned on and off individually. The lights have an integrated light source, which is built into the LED fitting with a specific beam angle obtained by means of special lenses.



LED 3-phase track light 15W

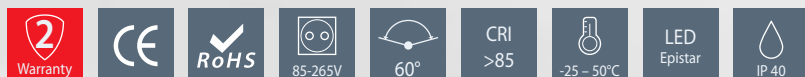
	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
White housing White housing	RSV3B07WW RSV3B07NW	2800-3200 4000-4500	7	50	525 560	75 80	1	55 x 90 x 150	0,34kg
Black housing Black housing	RSV3C15WW RSV3C15NW	2800-3200 4000-4500	15	80	1125 1200	75 80	1	75 x 125 x 210	0,64kg
Black housing	RSV3C20NW	4000-4500	20	100	1600	80	1	100 x 110 x 245	1,24kg
White housing White housing White housing	RSV3B30WW RSV3B30NW RSV3B30CW	2800-3200 4000-4500 5500-6500	30	150	2580 2700 2820	86 90 94	1	98 x 130 x 200	0,99kg
White housing	RSV3B50NW	4000-4500	50	350	3600	72	1	104 x 170 x 300	1,03kg



LED 3-phase track light 30W

Specification

- any configuration of lighting parameters possible (wattage, colour, beam angle, CRI), as well as the style of the housing and its colour;
- a wide range of lights to suit different rooms;
- low operating costs;
- fast assembly of the track system;
- lights based on various LED technologies (COB, PowerLED).





Three-phase Professional LED track lights

Greenie LED professional three-phase light series, are characterized by high parameters of light. The use of selected LEDs with colour rendering index (CRI) over 90 makes the illuminated colours look livelier, more vivid. This is particularly important in the clothing industry and in art galleries.

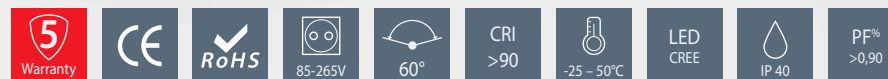


LED 3-phase Professional track light 25W

Specification

- beautiful, unique design;
- housing available in white or black;
- CREE CXB1820 COB diode used;
- five-year warranty;
- standard 60° beam angle; thanks to the additional lens the beam angle of 25°.

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
Black housing	RSP3C25WW	2800-3200	25	150	2375	95	1	Ø95 x 230	1,46kg
Black housing	RSP3C25NW	4000-4500			2500	100			
White housing	RSP3B25WW	2800-3200			2375	95			
White housing	RSP3B25NW	4000-4500			2500	100			



LED track light fittings



The light fitting is made of aluminium with a polycarbonate finish. The product does not have a light source, a separate light source is required with an E27 thread. PAR light bulbs are an ideal solution (spotlight). The light fitting is, of course, fully compatible with all E27 standard light sources.



1-phase white light fitting,
model 809



1-phase black light fitting,
model 816



1-phase white light fitting,
model 816

	Product code 1 faza	Product code 3 fazy	Dimensions [mm]	Weight
Black light fitting model 816	RS1OC816	RS3OC816	100 x 160 x 260	0,66kg
Black light fitting model 809	RS1OC809	RS3OC809	60 x 80 x 180	0,31kg
White light fitting model 816	RS1OB816	RS3OB816	100 x 160 x 260	0,66kg
White light fitting model 809	RS1OB809	RS3OB809	60 x 80 x 180	0,31kg

Specification

- housing in black or white;
- available in single-phase and three-phase standard.



LED bulbs for track light fittings

Greenie LED bulbs – PAR series, thanks to their special design perfectly fit the track light fittings. They can also be used in other types of light fittings. They are characterized by a narrow beam angle. White or black housing versions available.

LED bulb for track light fitting
PAR 40W



LED bulb for
track light fitting
PAR 20W



Specification

- several wattage options available;
- beam angle of 24° and higher available;
- low operating costs.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PAR12WW PAR12NW PAR12CW	2800-3200 4000-4500 5500-6500	12	75	1032 1080 1128	86 90 94	1	Ø95 x 120	0,23kg
PAR20WW PAR20NW PAR20CW	2800-3200 4000-4500 5500-6500	20	100	1720 1800 1880	86 90 94	1	Ø95 x 130	0,33kg
PAR40WW PAR40NW PAR40CW	2800-3200 4000-4500 5500-6500	40	200	3440 3600 3760	86 90 94	1	Ø95 x 130	0,33kg



Accessories for 1-phase LED track lights and track light fittings

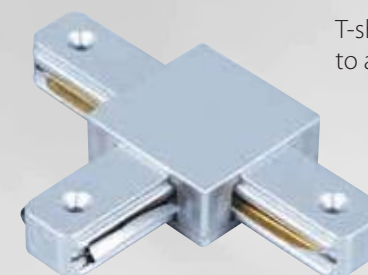


The track system has to be equipped with tracks and connectors. Standard length of a single section is 1m. If longer sections are required – then connectors shall be used. Depending on the design, the connectors can be straight, angular (90°), triple (T-shaped) and with adjustable angle. The track has a power supply, plugs and a mounting kit for mounting on a ceiling or wall.

	Product code	Dimensions [mm]	Weight
1-phase track with mounting kit 1m, silver	RS1SS	1000 x 40 x 20	0,25kg
1-phase track with mounting kit 1m, black	RS1SC	1000 x 40 x 20	0,25kg
1-phase track with mounting kit 1m, white	RS1SB	1000 x 40 x 20	0,25kg
1-phase track connector, T-shaped, silver	RS1KST		40g
1-phase track connector, L-shaped (angular), silver	RS1KSL		30g
1-phase track connector, silver	RS1KS		30g
1-phase track connector, T-shaped, black	RS1KCT		40g
1-phase track connector, L-shaped (angular), black – adjustable angle	RS1KCL-R	270 x 35 x 20	0,15kg
1-phase track connector, L-shaped (angular), black	RS1KCL		30g
1-phase track connector, black	RS1KC		30g
1-phase track connector, T-shaped, white	RS1KBT		40g
1-phase track connector, L-shaped (angular), white – adjustable angle	RS1KBL-R	270 x 35 x 20	0,15kg
1-phase track connector, L-shaped (angular), white	RS1KBL		30g
1-phase track connector, white	RS1KB		30g



1-phase track, white



T-shaped connector to a 1-phase system

Specification

- tracks and accessories are available in white, black and silver.



Accessories for 3-phase LED track lights and track light fittings

The track system has to be equipped with tracks and connectors. Standard length of a single section is 1m. If longer sections are required – then connectors shall be used. Depending on the design, the connectors can be straight, angular (90°), triple (T-shaped) and with adjustable angle. The track has a power supply, plugs and a mounting kit for mounting on a ceiling or wall.



Straight and angular connectors for 3-phase system



3-phase track connector, angular, flexible



3-phase black track with power supply terminal

	Product code	Dimensions [mm]	Weight
3-phase track for track lights 1m, silver	RS3SS	1000 x 40 x 20	0,87kg
3-phase track for track lights 1m, black	RS3SC	1000 x 40 x 20	0,87kg
3-phase track for track lights 1m, white	RS3SB	1000 x 40 x 20	0,87kg
3-phase track mounting kit, silver	RS3MS		70g
3-phase track mounting kit, black	RS3MC		70g
3-phase track mounting kit, white	RS3MB		70g
3-phase track connector, silver	RS3KS		0,13kg
3-phase black connector, adjustable angle – soft	RS3KCL-RS	226 x 32 x 33	0,13kg
3-phase track connector, L-shaped with adjustable angle – black	RS3KCL-R	226 x 32 x 33	0,13kg
3-phase track connector, L TYPE – black	RS3KCL	99 x 99 x 33	98g
3-phase track connector, black	RS3KC		0,13kg
3-phase white connector, adjustable angle – soft	RS3KBL-RS	226 x 32 x 33	0,13kg
3-phase track connector, L TYPE with adjustable angle – white	RS3KBL-R	226 x 32 x 33	0,13kg
3-phase track connector, L TYPE – white	RS3KBL	99 x 99 x 33	98g
3-phase track connector, white	RS3KB		0,13kg

Specification

- tracks and accessories are available in white, black and silver.



HOME AND OFFICE BULBS

LED bulbs are the most efficient and economical bulbs available on the market. Greenie LED product range replaces all available tungsten, halogen or compact light bulbs. This includes the most popular E27 and E14 threads as well as the least popular GU10 or MR16. LED replacements offer unprecedented features in both the service life and the parameters of light.

Main benefits of using Greenie household and office light bulbs:

- significant savings in energy consumption up to 90%;
- product service life up to 50000h of operation (in reality up to several years);
- three colours of light: warm, neutral, cold;
- they do not contain harmful elements such as mercury.

		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
Filament LED bulbs		<ul style="list-style-type: none"> • shape and dimension identical with A60, C35, ST64 classic bulbs; • no visible single LEDs; • colour temperature is much warmer than in other LED bulbs; • transparent covering or amber glass. 	3.6W, 4W, 8.5W	28W-75W	96
Sferio LED bulbs		<ul style="list-style-type: none"> • bulbs made of plastic or ceramic; • models with motion and dusk sensor (PIR) also available; • economical and efficient 10W replacement – fully replaces 100W. 	5W, 7W, 10W, 11W, 24W, 35W	40W-200W	98
Candle LED bulbs		<ul style="list-style-type: none"> • housing in white, silver or gold-coloured; • dimmable versions available; • efficient alternatives for conventional bulbs; • matt or transparent covering. 	3.5W, 4.5W, 4.8W, 6W	25W-50W	100
AR111 LED bulbs		<ul style="list-style-type: none"> • available versions operating at 12V or 230V; • beam angle of 30° and higher available; • housing made of aluminium. 	8W-14W	70W-150W	101
GU10 LED bulbs		<ul style="list-style-type: none"> • wide range of beam angles available: from narrow 38° up to 160°; • significant savings in energy consumption; • matt or transparent covering of diodes; • housing made of plastic or ceramics. 	3.5W, 4W, 5W, 7W	50W-75W	102
MR16/MR11 LED bulbs		<ul style="list-style-type: none"> • 12V or 230V MR16 bulbs available; • high energy efficiency – MR11 3W replaces 25W; • both bulb models available with matt coverings; • housing made of plastic. 	3.5W, 4W, 5W	25W-60W	103
PLC LED bulbs		<ul style="list-style-type: none"> • housing made of aluminium; • available four-pin and two-pin variants; • available threads G24, G23, and also other variants, e.g. G24q3. 	5W, 7W, 9W, 13W	24W-100W	104
Rx7s LED bulbs, LED G4/G9 replacements		<ul style="list-style-type: none"> • Epistar SMD LEDs; • universal Rx7 thread is suitable for many products; • G4 sources require 12V for operation, while G9 – 230V. 	2W-5W	25W-50W	105

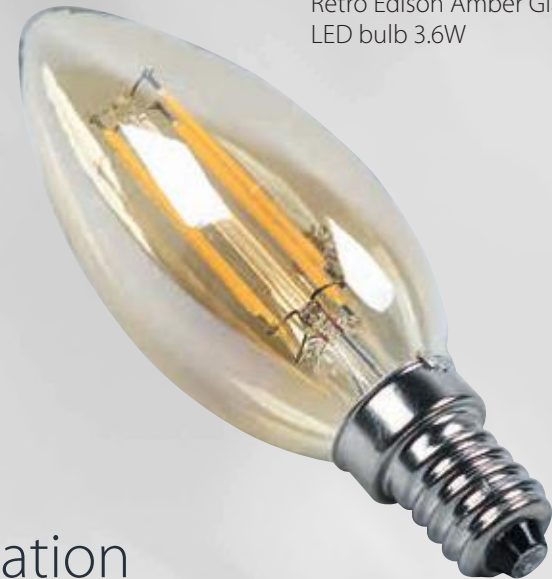
Filament LED bulbs

LED Filament bulbs look and shine like classic incandescent bulbs, but they contain specially designed LED fibres and therefore they consume much less energy. Filaments are most commonly used in modern industrial interiors as single light sources suspended from the ceiling using a special cable system. They can also be used in classic chandeliers, light panels or lamps of all kinds.

Retro Edison LED bulb A60
Clear Glass 8.5W E27



Retro Edison Amber Glass
LED bulb 3.6W



Specification

- shape and dimension identical with A60, C35, ST64 classic bulbs;
- no visible single LEDs;
- colour temperature is much warmer than in other LED bulbs;
- transparent covering or specially coloured, the so called amber glass;
- special Half-Silver model with reflective coating, the so-called shadowless light bulb.

Filament LED bulbs



LED bulb Retro Edison
Half-Silver 8.5W



LED bulb Retro Edison
Amber Glass 8.5W

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LED bulb Retro Edison C35 Amber Glass 3.6W E14 WW	FL1C04WW	2400-2600	3.6	28	290	81	4	Ø35 x 98	14g
LED bulb Retro Edison A60 Amber Glass 4W E27 WW	FL7B04WW	2400-2600	4	30	320	80	6	Ø60 x 106	34g
LED bulb Retro Edison A60 Half-Silver 8.5W E27 WW	FL7S08WW	2600-2800	8.5	65	900	106	6	Ø60 x 106	34g
LED bulb Retro Edison ST64 Edison Amber Glass 8.5W E27 WW	FL7E08WW	2400-2600		60	800	94		Ø64 x 140	40g
LED bulb Retro Edison A60 Clear Glass 8.5W E27 WW	FL7B08WW	2600-2800		75	1000	118		Ø60 x 106	34g

Sferio LED bulbs



Greenie Sferio LED series is the most ideal replacement for classic bulbs from 60 to 100W. High performance SMD 2835 LEDs from Epistar enclosed in the shape of traditional incandescent bulbs are used here. In addition, the matt covering diffuses the light softly. It is an ideal proposition combining tradition with modernity.



LED Ceramic bulb 7.5W



LED bulb Sferio 13W E27 dimmable

Specification

- bulbs made of plastic or ceramic;
- models with motion and dusk sensor (PIR) also available;
- economical and efficient 10W replacement – fully replaces 100W.

Sferio LED bulbs



LED bulb with motion and dusk sensor

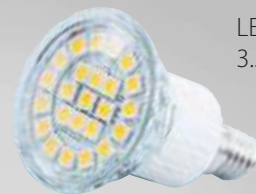
Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
BU706WW-PIR BU706CW-PIR	2800-3200 5500-6500	6	50	500 520	83 87	10	Ø60 x 115	120g
BUS06WW BUS06NW	2800-3200 4000-4500	7	60	536 576	77 82	8	Ø60 x 110	58g
BU7C07WW BU7C07NW	2800-3200 4000-4500	7.5	60	620 663	83 88	32	Ø60 x 115	200g
BUS710WW BUS710NW BU7S10WW-DIM* BU7S10CW-DIM*	2800-3200 4000-4500 2800-3200 5500-6500	10	75 75 80 80	780 810 770 880	78 81 77 88	15 15 30 30	Ø60 x 110 Ø60 x 110 Ø70 x 142 Ø70 x 142	40g 40g 160g 160g
BU7S11WW BU7S11NW	2800-3200 4000-4500	11	80	860 880	78 80	30	Ø60 x 116	200g
BU713WW-DIM*	2800-3200	13	100	1040	80	24	Ø70 x 124	150g
BUS24WW	2800-3200	24	120	1920	80	48	Ø120 x 188	300g
BU735WW BU735CW	2800-3200 5500-6500	35	200	2625 2800	75 80	72	Ø120 x 240	350g

* dimmable bulb

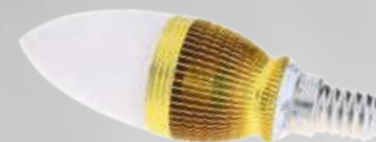
Candle LED bulbs

Greenie LED Bulbs – Candle Series – are popular candle-shaped bulbs offered with a E14 thread. Due to their shape and appearance, it is used not only as a light source, but also as a decorative item, for example in chandeliers. Therefore, these sources are mainly offered as warm and neutral light emitting bulbs, ideal for household use.

Spotlight
LED bulb 4W



LED bulb Candle Gold
3.5W matt



LED bulb Candle
Ceramic 6W



LED bulb R50 4.5W



LED bulb Candle
Diamant 5W



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LED bulb Spotlight 4W E14 WW LED bulb Spotlight 4W E14 NW	K1S04WW K1S04NW	2800-3200 4000-4500	4	50	351 401	88 100	24	Ø50 x 73	0,106kg
LED bulb Candle Silver 3.5W E14 matt WW LED bulb Candle Silver 3.5W E14 matt NW	CAS03WW CAS03NW	2800-3200 4000-4500	3.5	40	260	74	3	Ø35,5 x 109	35g
LED bulb Candle Gold 3.5W E14 – dimmable WW	CAG03WW-DIM	2800-3200		40	260	74	3	Ø35,5 x 109	35g
LED bulb Candle Gold 3.5W E14 matt WW	CAG03WW	2800-3200		40	260	74	3	Ø35,5 x 109	35g
LED bulb Candle Gold 3.5W E14 matt NW	CAG03NW	4000-4500		40	280	80	3	Ø35,5 x 109	35g
LED bulb Candle 3.5W E14 WW	CAC104WW	2800-3200		25	220	63	6	Ø37 x 100	23g
LED bulb Candle 3.5W E14 NW	CAC104NW	4000-4500		25	240	69	6	Ø37 x 100	23g
LED bulb R50 4.5W E14 WW LED bulb R50 4.5W E14 NW	R5005WW R5005NW	2800-3200 4000-4500	4.5	50	350	78	8	Ø50 x 85	53g
LED bulb Candle 4.5W E14 WW	CAC04WW	2800-3200		40	250	56	5	Ø37 x 98	67g
LED bulb Candle 4.5W E14 NW	CAC04NW	4000-4500		40	320	71	5	Ø37 x 98	67g
LED bulb Candle 5W E14 – dimmable WW	CAC05WW-DIM	2800-3200	4.8	30	330	69	6	Ø38 x 107	40g
LED bulb Candle Diamant Silver 5W E14 WW LED bulb Candle Diamant Gold 5W E14 WW	CADS05WW CADG05WW	2800-3200	5	50	400	80	4	Ø39 x 147	40g
LED bulb Candle Ceramic 6W E14 WW LED bulb Candle Ceramic 6W E14 NW	CAC06WW CAC06NW	2800-3200 4000-4500	6	50	440 500	73 83	5	Ø37 x 98	67g

Specification

- housing in white, silver or gold-coloured;
- dimmable versions available;
- efficient alternatives to conventional bulbs.



Greenie LED bulbs AR111 may successfully replace classic E5111 or G53 halogen lamps. Greenie LED bulbs AR111 have a narrow beam angle and are normally used in ceiling lighting. This, in turn, makes them ideal for all places requiring spot lighting, such as shops, art galleries, shopping centres.



AR111/QR111 G53 12V
bulb 9x1PowerLED 11W



LED bulb AR111 12W 230V

Specification

- available versions operating at 12V or 230V;
- beam angle of 30° and higher available;
- housing made of aluminium.

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
AR09WW AR09NW AR09CW	2800-3200 4000-4500 5500-6500	9	100	840 900 920	93 100 102	9	Ø111 x 66	0,43kg
AR12WW-230 AR12NW-230	2800-3200 4000-4500	12	100	1080 1032	90 86	12	Ø111 x 65	0,25kg



GU10 LED bulbs

Greenie LED GU10 lamps are used as a cost effective replacement for halogen light sources. They are mainly used in ceiling lighting. Greenie's offer includes GU10 bulbs based on efficient LEDs from such manufacturers as Samsung and Epistar. These factors contribute to maintaining the strong position of GU10 Greenie LEDs relative to halogen lamps.

Greenie

LED bulb Sunline 5W
COB GU10



LED bulb 7W wide beam
angle 100° GU10 NW



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LED bulb Spotlight 3W GU10 WW	KGS03WW	2800-3200	3	40	300	100	60	Ø50 x 57	75g
LED bulb Spotlight 3W GU10 NW	KGS03NW	4000-4500		40	310	103	60	Ø50 x 57	75g
LED bulb Spotlight 3W GU10 CW	KGS03CW	5500-6500		40	320	107	60	Ø50 x 57	75g
LED bulb Spotlight 3.5W GU10 WW	KGS03WW	2800-3200	3.5	50	360	103	24	Ø50 x 55	63g
LED bulb Spotlight 3.5W GU10 NW	KGS03NW	4000-4500			370	106			
LED bulb Spotlight 3.5W GU10 CW	KGS03CW	5500-6500			390	111			
LED bulb Sunline 5W COB GU10 WW	KGC05WW	2800-3200	5	50	280	56	1	Ø50 x 54,5	40g
LED bulb Sunline 5W COB GU10 NW	KGC05NW	4000-4500		50	300	60	1	Ø50 x 54,5	40g
LED bulb HighPower 7W GU10 WW	KGSS07WW	2800-3200	7	75	560	80	9	Ø50 x 55	70g
LED bulb HighPower 7W GU10 NW	KGSS07NW	4000-4500		75	600	86	9	Ø50 x 55	70g
LED bulb HighPower 7W GU10 CW	KGSS07CW	5500-6500		75	640	91	9	Ø50 x 55	70g
LED bulb 7W narrow angle 38° GU10 WW	KGS07WW-38	2800-3200		60	550	79	1	Ø50 x 55	60g
LED bulb 7W wide angle 100° GU10 WW	KGS07WW-100	2800-3200		60	550	79	1	Ø50 x 55	60g
LED bulb 7W narrow angle 38° GU10 NW	KGS07NW-38	4000-4500		60	600	86	1	Ø50 x 55	60g
LED bulb 7W wide angle 100° GU10 NW	KGS07NW-100	4000-4500		60	600	86	1	Ø50 x 55	60g
LED bulb Spotlight 7W GU10 WW	KGPS07WW	2800-3200		75	450	64	9	Ø50 x 60	64g
LED bulb Spotlight 7W GU10 NW	KGPS07NW	4000-4500		75	600	86	9	Ø50 x 60	64g

Specification

- wide range of beam angles available: from 38° up to 160°;
- significant savings in energy consumption;
- matt or transparent covering of diodes;
- housing made of plastic or ceramics.



MR16/MR11 LED bulbs

LED bulb Spotlight 5W MR16

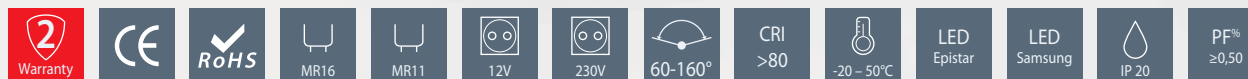


Greenie LED bulbs MR16 are used as replacements for MR16 halogen light sources – they have the same dimensions and the same thread, but they consume much less energy. In addition, the Greenie LED bulbs MR16 generate a lot less heat than halogen light sources. They are mainly used in ceiling lighting. Greenie LED bulbs MR11 can replace halogen or classic bulbs with the MR11 connector. These LED light sources replace bulbs with 35mm in diameter.

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
LED bulb Spotlight 3W 230V MR16 WW	KMS03WW-230	2800-3200	3	50	300	100	24	Ø50 x 57	60g
LED bulb Spotlight 3W MR16 WW	KMS03WW	2800-3200		40	300	100	60		
LED bulb Spotlight 3W 230V MR16 NW	KMS03NW-230	4000-4500		40	310	103	24		
LED bulb Spotlight 3W MR16 NW	KMS03NW	4000-4500		40	310	103	60		
LED bulb Spotlight 3.5W MR16 WW	KMS04WW	2800-3200	3.5	50	361	103	24	Ø50 x 45	47g
LED bulb Spotlight 3.5W MR16 NW	KMS04NW	4000-4500			363	104			
LED bulb Spotlight 5W MR16 WW	KMS05WW	2800-3200	5	40	300	60	8	Ø50 x 51	60g
LED bulb Spotlight 5W MR16 NW	KMS05NW	4000-4500		40	350	70	8	Ø50 x 51	60g
LED bulb MR11 Ø 35mm 3W MR11 WW	KMR112WW	2800-3200	3	25	240	80	12	Ø35 x 38	50g
LED bulb MR11 Ø 35mm 3W MR11 NW	KMR112NW	4000-4500			250	83			
LED bulb MR11 Ø 35mm 3W MR11 CW	KMR112CW	5500-6500			260	87			

Specification

- 12V or 230V MR16 bulbs available;
- high energy efficiency – MR11 3W replaces 25W;
- both models available with matt coverings;
- housing made of plastic.



PLC LED bulbs



Greenie LED PLC is the ideal replacement for the classic CFL (compact fluorescent lamp). They emit directional light and can be used in ceiling lighting fixtures. They are suitable for both household and office lighting. 5W LED light source replaces 25W CFL (fluorescent lamp), significantly reducing operating costs.

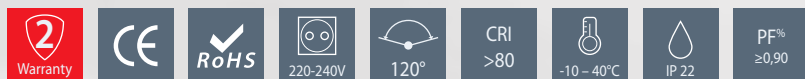
Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
PLC05WW-4PIN	2800-3200	5	24	375	75	32	35 x 35 x 120	80g
PLC05WW	2800-3200			375	75			
PLC05NW-4PIN	4000-4500			400	80			
PLC05NW	4000-4500			400	80			
PLC05CW	5500-6500			425	85			
PLC07WW-4PIN	2800-3200	7	55	525	75	40	35 x 35 x 140	100g
PLC07WW	2800-3200			525	75			
PLC07NW-G23	4000-4500			560	80			
PLC07NW-4PIN	4000-4500			560	80			
PLC07NW	4000-4500			560	80			
PLC09WW-4PIN	2800-3200	9	70	675	75	52	35 x 35 x 140	100g
PLC09WW	2800-3200			675	75			
PLC09NW-4PIN	4000-4500			720	80			
PLC09NW	4000-4500			720	80			
PLC11NW-4PIN	4000-4500	11	80	880	80	48	35 x 35 x 140	100g
PLC13WW	2800-3200	13	100	975	75	60	35 x 35 x 160	0,12kg
PLC13NW-4PIN	4000-4500			1040	80			
PLC13NW	4000-4500			1040	80			
PLC13CW	5500-6500			1105	85			



LED PLC bulb 13W
2/4 PIN

Specification

- housing made of aluminium;
- available four-pin and two-pin variants;
- available threads G24, G23, and also other variants, e.g. 24q3.



Rx7s LED bulbs, LED G4/G9 replacements

Greenie LED bulb Rx7 is a replacement for filaments commonly used in high wattage halogen lamps and decorative lamps. It can be mounted directly into the old type halogen light fittings. It is characterized by a very strong light output and exceptionally advantageous ratio of own wattage to the wattage of the replacement power – even 1 to 10. The ceramic housing of Greenie LED G4/G9 replacements protects them from overheating.

LED bulb G4



LED bulb G9



LED bulb Rx7s 5W



Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
R7S05WW R7S05NW R7S05CW	2800-3200 4000-4500 5500-6500	5	50	500 550 600	100 110 120	36	Ø25 x 78	40g
R7S09WW R7S09NW R7S09CW	2800-3200 4000-4500 5500-6500	9	100	750 800 900	83 89 100	3	Ø12 x 118	25g
R7S13WW R7S13NW R7S13CW	2800-3200 4000-4500 5500-6500	13	120	1170 1209 1248	90 93 96	30	118 x 45 x 38	122g
KG402WW KG402NW	2800-3200 4000-4500	2	25	145 165	73 83	3	Ø12,5 x 42	50g
KG902WW KG902NW	2800-3200 4000-4500	2.6	25	185 200	71 77	3	Ø18 x 55	50g

Specification

- Epistar SMD LEDs are used;
- universal Rx7 thread is suitable for many products;
- G4 sources require 12V for operation, while G9 – 230V.



LED STRIPS AND ACCESSORIES

Private apartment
in Warsaw, Wilanów

By combining high functionality with energy efficiency, LED strips become increasingly popular and are used as main or decorative light source for apartments, houses and offices. Thanks to a wide range of dedicated accessories the potential and functionality of LED strips can be used fully. In addition, thanks to their compact size, high flexibility and self-adhesive layer, the installation possibilities of this linear light source is virtually unlimited.

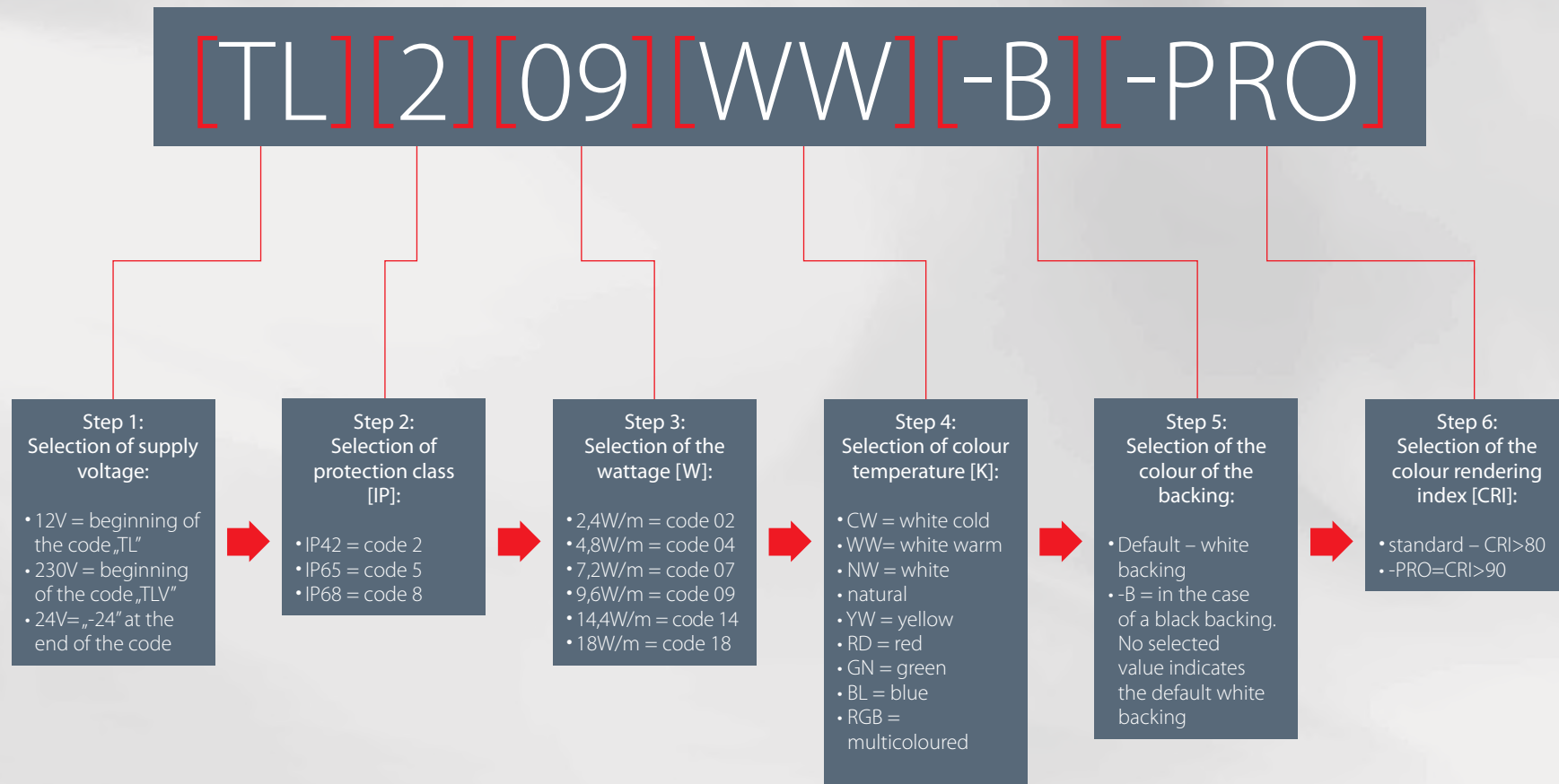
Main benefits of using Greenie LED strips:

- wide range of strip models: white warm colour temperature, neutral, cold, RGB, RGBW, including 12V, 24V and 230V strips;
- various models of LEDs, wide range of accessories;
- low operating costs, multiple mounting options;
- long service life.

		CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
12V LED strips		<ul style="list-style-type: none"> the strips are available in several variants: 30 diodes/r.m., 60 diodes/r.m., 120 diodes/r.m.; three protection ratings: IP42, IP65, IP68; available colour temperatures: warm, neutral, cold and RGB; types of diodes available: 3528, 2835, 5050, 5630. 	2.4W/m.b-18W/m.b	12W-100W	109
24V LED strips and LED PRO strips CRI90+		<ul style="list-style-type: none"> high colour rendering index CRI90 +; available only in neutral colour 4000-4500K; LED PRO strips CRI90+ powered by DC 12V. 	9.6W, 14.4W	50W-72W	112
230V LED strips		<ul style="list-style-type: none"> available version with 60 diodes/r.m. SMD 5050 or SMD 3528 diodes; voltage-controlled dimming within 0-230V with the use of external dimmers; RGB version also available; rubber hose provides IP68 protection rating. 	4.8W, 14.4W	20W-70W	113
Profiles and LED modules		<ul style="list-style-type: none"> modules and profiles can be combined; available colour temperatures: warm, neutral, cold and RGB; powered by DC 12V. 	0.72W, 7.2W, 14.4W	7W-100W	113
LED strip accessories		<ul style="list-style-type: none"> connectors enable easy mounting; light output controlled by the controllers; non-contact switches; mounting brackets. 	–	–	114
I Series		<ul style="list-style-type: none"> touch-sensitive dimmer to control LED strip; extremely simple installation; enables switching the strip on and off and dimming; with built-in memory, that remembers the last settings. 	do 36W	–	115
LED RGB strip accessories		<ul style="list-style-type: none"> connectors enabling easy mounting; controllers for programming the strip; infra-red or radio-frequency controllers; mounting brackets. 	–	–	116
LED RGBW strip accessories		<ul style="list-style-type: none"> controllers for programming the strip; connectors enable easy mounting. 	–	–	117
LED strip power supplies		<ul style="list-style-type: none"> available in different sizes: mesh, furniture; also available with IP67 protection rating; low voltage power supply is safe for people and animals, even in direct contact. 	–	–	118

Strip configurator

Greenie LED strips are available in over 100 different configurations. Thanks to the large selection of wattages, colour temperatures and waterproof classes they can be used in almost any environment. Below you will find the infographics that shows how to create LED strip codes in order to customize your strip to suit your needs and expectations.



LED strips – series 3528 SMD and 2835 SMD

Greenie LED strip based on 3528 SMD LEDs is a very popular solution for decorative lighting. They are available in several technical variants. The Greenie LED strips 3528 SMD Series are available on black backing of diodes. At present, we are introducing a series of strips based on 2835 SMD diodes with higher light output, which eliminates the effect of voltage drops.



LED strip 2.4W
30 diodes 3528 SMD



LED strip 9.6W
120 diodes 3528 SMD

Specification

- the strips are available in several variants:
30 diodes/r.m., 60 diodes/r.m.,
120 diodes/r.m.;
- the model with 60 diodes/r.m. is also
available in 230V version;
- three protection ratings: IP42, IP65, IP68;
- available colour temperatures: warm,
neutral, cold, and RGB.



LED strip 4.8W
60 diodes 3528 SMD



LED strips – series 5050 SMD

Greenie LED strips based on the 5050 SMD LEDs provide a newer solution compared with the 3528 SMD diode generation. The strips can be widely used as decorative and main light source applications. Our portfolio also includes ready-made LED modules consisting of 3 diodes 5050 SMD embedded in a plastic profile. Strips with 5050 SMD diodes are also available in the RGBW specification, a separate white light diode with warm or cold colour temperature – optionally.

LED strip 14.4W, 60 diodes
5050 SMD white and black PCB



Specification

- the strips are available in several variants: 30 diodes/r.m., 60 diodes/r.m.;
- the model with 60 diodes/r.m. is also available in 230V version;
- three protection ratings: IP42, IP65, IP68;
- RGB (three-layer LED) all colours are included in one diode.

Greenie LED strip 5630 SMD series is the strongest strip in our offer with the consumption of 18W/m. Thanks to the efficient lighting parameters, the application of the 5630 strips is not limited to decorative purposes only. They can be used as the main light source in a room. They can be used both in residential premises and commercial areas, such as shops.



LED strip 18W
5630 SMD – 60 diodes

Specification

- very high efficiency and light output. The strongest of the strips.



LED PRO strips and 24V strips

Greenie LED PRO strips are characterized by a high colour rendering index CRI90+. This is possible due to the use of special, selected 3528 diodes. The result is that colours illuminated by the light generated by the CRI90+ strip are shown better and appear to be clearer. You can also find strips based on the modernized design of LEDs – 2835 SMD and strips powered by a voltage that minimizes 24V voltage drops.

LED strip 24V, 120 diodes 2835 SMD
per meter 9.6W/r.m



LED strip 24V, 60 diodes 5050 SMD
per meter 14.4W/r.m., waterproof IP65



LED PRO strip 120 diodes 3528 SMD
per meter 9.6W/r.m. CRI90+

Specification

- very high light quality of the PRO strip;
- colour rendering index of the PRO strip – CRI>90
- 24V strips are available in variants: 60 diodes/r.m., 120 diodes/r.m.;
- available colour temperatures of 24V strips: warm, neutral or cold.

230V LED strips

The LED strip is powered by 230V current. No additional power supply is required. The diodes are placed in a rigid rubber profile. The rubber hose provides IP68 protection rating so that you can use the strip even under water. Ideal for lighting up building facades and exterior shop windows.

LED strip 230V, 60 diodes 3528/meter, rubber profile, waterproof IP68, 4.8W/r.m.



Specification

- available version with 60 diodes/r.m. diodes SMD 5050 or SMD 3528;
- voltage-controlled dimming within 0-230V with the use of external dimmers;
- RGB version is also available;
- the strip requires a special stabilizer for proper operation.

LED profiles and modules

LED modules and profiles based on efficient SMD 5050 LEDs with IP65 protection rating. They can be used as a kind of linear lighting or in the case of modules, slightly more as spot lights. Wide range of application allows these products to be used as outdoor and indoor lighting. The modules can be used, for example, for the preparation of advertising banners.



LED module 3x5050 SMD 0.72W 12V waterproof IP65

LED aluminium profile 50cm, 30 SMD 5050, 7.2W, waterproof IP65



Specification

- modules and profiles can be combined;
- available colour temperatures: warm, neutral, cold, and RGB;
- powered by DC 12V.

LED strip accessories

For correct operation, Greenie LED strips require only a properly selected power supply. However, there are products that can become a useful diversification of the use of LED strips. We have a wide range of equipment to control the LED strip, such as dimmers, non-contact switches, motion sensors. In addition, we also offer all the accessories necessary for the correct connection of the entire installation: connectors, connectors to power adapters, mounting brackets.

	Product code	Dimensions [mm]	Weight
Controller for white LED strips Mini 12V to 144W	TLA21	45 x 15 x 5	80g
Motion / dusk sensor 12V	TLA17	Ø110 x 56	0,3kg
Wall mounted dimmer with a potentiometer and IR remote control, 12V, wattage up to 96W	TLA16		0,15kg
12V LED dimmer with wattage up to 96W with potentiometer	TLA15	60 x 45 x 40	100g
12V LED dimmer with wattage up to 72W with an infra-red remote control	TLA14		100g
12V LED dimmer, wattage up to 96W with a radio remote control	TLA13		100g
Power supply socket	TLA12		10g
12V power adapter – RGB controller	TLA11		20g
Waterproof terminal for IP68 LED strips	TLA10		10g
Mounting bracket with screws for LED strips 230V IP68	TLA09		5g
Quick connector for LED strips 230V IP68	TLA08		15g
Power supply for LED strips 230V 5050 SMD, 50cm cable with a plug	TLA07	Ø4 x 500	0,15kg
LED light strip quick connector	TLA06		7g
Quick connector for LED strips with 15 cm cable	TLA05		15g
Terminal for LED strips with connector and power cord	TLA04		10g
LED controller connector – LED strip 12V (female connector)	TLA02		7g
LED power adapter – LED 12V controller (male connector)	TLA01		5g



LED strip quick connector

12V LED dimmer
wattage up to 96W
with a radio remote
control



12V LED dimmer with wattage
up to 96W with
a potentiometer

Wall mounted dimmer
with a potentiometer
and IR remote control,
12V, wattage
up to 96W



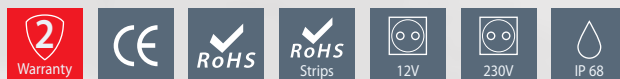
12V LED dimmer with
wattage up to 72W
with an infra-red remote
control



LED power adapter – LED 12V
controller (male connector)



Controller for white LED strips Mini 12V to 144W





iSense controller



iWave controller



iTouch controller

	I Series		
	iSense	iWave	iTouch
Wattage range	up to 36W	up to 36W	up to 36W
Dimensions [mm]	30,8x8,7x38	30,8x8,7x38	30,8x8,7x38
Remarks	Automatic light on/off switch in cabinets, wardrobes, etc. Unlike the ordinary infra-red motion sensor, activation and deactivation of the device is also affected by a change of light – i.e. opening the cabinet door switches the light on and the light is switched off automatically when it is closed.	Waving a hand close to iWave turns the light on. Another waving will turn it off. Bringing the hand close to iWave and holding it will make the light flash three times and turn the light off. The sensor operates at a distance of up to 15cm.	Touch the front wall or the housing to turns the light on and off; hold a finger a little bit longer to dim or brighten the light smoothly.
Product code	TLA19	TLA20	TLA18



LED RGB strip accessories



Accessories for Greenie LED RGB strips were created in order to exploit the full potential of the strips. Starting from drivers, that allow to almost freely control a specific strip, and finishing with small connectors enabling fast connection of strips together as well as with a driver or power adapter. Drivers for Greenie LED strips are available in several configurations, depending on the possibilities of programming a specific strip, type of communication (infrared or radio waves), or supported power. We even offer a version, that allows to control LED strips by music.

RGB LED strip Touch Driver

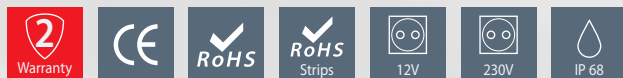


Sound Reactive Driver for LED strip

	Product code	Dimensions [mm]	Weight
Quick connector for LED RGB strip with 15 cm cable	TLAR19		15g
Infrared lighting controller 12V RGB, 44 keys	TLAR18		82g
Mini Radio Controller 12V 12A 144W for LED RGB strips	TLAR17		80g
Pendant Mini Controller 144W for LED RGB strips	TLAR16		80g
Sound Reactive Driver for white/ RGB LED strips; sound, dimming control <72W	TLAR15		55g
Manual potentiometer RGB 108W	TLAR14		50g
Power supply for RGB LED strips 230V with radio control	TLAR13		20g
RGB Radio touch-sensitive controller, black, 12V, 18A to 216W	TLAR11		0,35kg
RGB signal amplifier 12V 24A	TLAR09		0,2kg
RGB Radio Controller 144W 12A	TLAR07	80 x 40 x 5	80g
Power supply for RGB 230V LED strips with programmer and plug	TLAR05		0,25kg
RGB LED strips Quick Connector	TLAR04		7g
Terminal for RGB LED strips with connector and power cord	TLAR03		10g
Infra-red RGB lighting controller, 24 programs	TLAR02		55g



RGB LED strip Radio Controller



LED RGBW strip accessories

Greenie RGBW LED strips need dedicated accessories for smooth operation. Properly designed controllers to control the additional diode responsible for white colour. There are radio and infra-red controllers available. In addition, specially designed different types of connectors that allow to create longer installations of RGBW LED strip without soldering.



RGB+W LED strip radio controller, touch-sensitive <288W

Quick connector for RGB+W LED strip with 15 cm cable

Infra-red controller for RGB + W LED strips, 40 keys <96W

	Product code	Dimensions [mm]	Weight
Quick connector for RGB+W LED strip with 15 cm cable	TLARW25	11 x 160 x 3	15g
RGB+W LED strip radio controller, touch-sensitive <288W	TLARW24	110 x 52 x 30	120g
Infra-red controller for RGB + W LED strips 40 keys <96W	TLARW23	137 x 68 x 43	85g



LED strip power supplies

Power supplies are essential elements guaranteeing trouble-free operation of LED strips designed to operate at 12V and 24V. Power supplies are used to switch the 230V AC input voltage to 12V or 24V DC.

Modular power
supply POS 60W



MeanWell 100W waterproof
power supply



Modular power supply
POS 150W

Specification

- available in different sizes: modular, furniture;
- also available with IP67 protection rating;
- low voltage power supply is safe for people and animals, even in direct contact.



Waterproof power supply
MeanWell 18W



Waterproof power supply
MW Power 80W

	Waterproof power supplies													
Brand	MeanWell				MW Power					GLP				
Wattage	18W	60W	100W	240W	30W	45W	80W	150W	200W	35W	35W	60W	60W	100W
Dimensions	140x30x22	162x32x42	190x52x37	244x68x39	200x30x20	254x30x20	243 x 70 x 50	230x121x57	230x121x57	149x32x28	149x32x28	162x42x33	162x42x33	187x52x37
Product code	ZW18MN	ZW60MN	ZW100MN	ZW240MN	ZW30MW	ZW45MW	ZW80MW	ZW150MW	ZW200MW	ZW35GPV	ZW35GPV-24V	ZW60GPV	ZW60GPV-24V	ZW100GPV

	Modular power supplies											
Make	POS									Delta		
Wattage	15W	25W	60W	75W	100W	150W	200W	240W	350W	50W	100W	150W
Dimensions [mm]	99x97x35	98x97x35	129x98x40	129x97x38	200x97x38	200x97x38	200x110x50	215x115x51	215x115x51	98x98x38	160x99x38	178x97x38
Product code	ZM15POS	ZM25POS	ZM60POS	ZM75POS	ZM100POS	ZM150POS	ZM200POS	ZM240POS	ZM350POS	ZM50DELTA	ZM100DELTA	ZM150DELTA

	Furniture power supplies						Plug-in power supplies	
Brand	POS						Delta	
Wattage	6W	12W	20W	30W	50W	75W	19,2W	42W
Dimensions [mm]	140x30x22	127x50x11	154x50x14	159x58x18	185x64x22	201x64x30	78x69x40	110x52x35
Product code	ZMEB06	ZMEB12	ZMEB20	ZMEB30	ZMEB50	ZMEB75	ZCW18	ZD42



LED FACADE LIGHTING

LED facade lighting is a combination of high light output ratio, economical approach and interesting design. In addition, LED facade lighting uses many modern solutions such as photovoltaic panels or motion sensors. This additionally makes the LED sources more efficient. Products can be used to illuminate information boards on buildings or as a decorative finish.

Main benefits of using Greenie facade lighting:

- high energy efficiency and long service life;
- grid or solar powered lamps;
- many possibilities of application.



CHARACTERISTICS		WATTAGE	EQUIVALENT	PAGE
Wall-mounted outdoor LED lamps	 <ul style="list-style-type: none">• one-way and two-way light distribution system;• light output can provide a significant amount of light;• black housing made of die cast aluminium.	5W, 10W	40W-75W	122
LED solar lights	 <ul style="list-style-type: none">• available models with motion and dusk sensor;• black or silver housing;• various models and mounting options.	0.14W, 0.56W, 1W, 4W	10W-40W	123

Wall-mounted outdoor LED lamps



Greenie LED wall lamps for outdoor use include Epistar LEDs, and the robust black metal housing of each is made of die cast aluminium. The housing of each wall light has an IP54 protection class, therefore the lamps are ideal for exterior lighting of buildings, thanks to the precise finishing of each lamp element, they also look good in modern interiors and in shopping malls.



LED outdoor wall lamp 10W



LED facade/ canal luminaire
10W IP44



LED outdoor wall
lamp 5W



LED outdoor wall
lamp 10W

Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
WL001NW	4000-4500	5	40	500	100	1	65 x 93 x 80	0,45kg
LK10WW	2800-3200	10	75	700	70	18	169 x 115 x 76	0,182kg
WL003NW WL002NW	4000-4500	10	75	1000	100	50 2	280 x 86 x 113 68 x 92 x 151	1,45kg 0,6kg

Specification

- one-way and two-way light distribution system;
- light output can provide a significant amount of light.



LED solar lights

Greenie solar LED lights combine the efficiency of LED technology with true pure solar energy. Each lamp is equipped with a photovoltaic panel appropriately selected for the LED used. The application of the products is differentiated: from decorative garden lamps, to lamps used to illuminate the facades of buildings.

LED facade lamp
Solar Black 1W



LED facade lamp
Solar Silver 1W



	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
Silver Earth LED ground lamp with 0.4W cell and 600mAh battery	S0005	5500-6500	0.14	10	14	100	2	120 x 110 x 24	0,23kg
Solar LED facade lamp with additional light with motion sensor – SteelWall	S0003	5500-6500	0.56	20	56	100	2	200 x 80 x 38	0,961kg
Solar LED lamp with motion and dusk sensor 2x0,5W, separate solar panel, black	S0008B	5500-6500	1	40	85	85	2	210 x 125 x 175	0,961kg
Solar LED lamp with BlackWall 2 motion and dusk sensor, black	S0007B			30	85	85		160 x 170 x 155	0,628kg
Solar LED lamp with SilverWall 2 motion and dusk sensor, white and silver	S0007			30	85	85		160 x 170 x 155	0,628kg
Solar LED SOL Spot Light with motion sensor 8xLED 0.5W IP44, grey and white	S0009	5500-6500	4	40	300	75	8	250 x 200 x 200	1,097kg

Specification

- lamps with standby function, discreet lighting throughout the night and stronger light when motion is detected;
- black or silver housing;
- various models and mounting options.







LED SPECIAL LIGHTING

Special LED lighting is a product category dedicated to specific purposes. Already at the design stage, the intended use of the products is to be specified as well as the selection of appropriate technologies guaranteeing the achievement of the intended parameters. Products are mainly used in industry and services.

Main benefit of using Greenie special lighting:

- declared parameters are guaranteed.

	CHARACTERISTICS	WATTAGE	EQUIVALENT	PAGE
LED food tubes	 <ul style="list-style-type: none"> • available variants dedicated for: meat, cheese, fish, bakery products, fruit and vegetables, alcoholic beverages; • the tubes do not generate harmful ultraviolet radiation, food products will stay fresh longer; • the tubes do not require a dimmable ballast system. 	10W,14W, 18W, 23W	18W-58W	126
LED food track lights	 <ul style="list-style-type: none"> • the lights do not generate harmful ultraviolet radiation, food products will stay fresh longer; • the lights are available in both white and black housing, as well as in 1-phase and 3-phase system. • beam angle: 15°, 20°, 30°, 40° or 60° – optionally. 	35W	150W	127
LED tubes supporting plant growth	 <ul style="list-style-type: none"> • single-side power of the tubes; • the tubes do not require a dimmable ballast system. 	9W, 12W, 18W, 24W	18W-58W	128
Tailor-made specialized lighting	 <ul style="list-style-type: none"> • We are able to prepare and supply specialized lighting with the parameters defined by the customer. 			129

LED food tubes

Greenie LED tubes for different types of food represent a unique group of products designed for use in all types of shops and markets, which make food products look more attractive and fresher. The tubes are equipped with efficient Epistar 2835 SMD LEDs, characterized by high energy efficiency, which are additionally covered with special luminescent material which differs depending on the application of the diode. On special request we can also produce T5 tubes dedicated to food



LED T8 food tubes

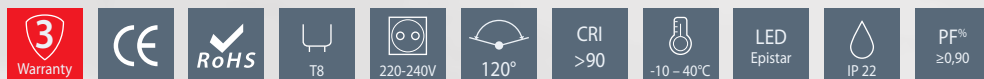


Wattage [W]	Equivalent	Brightness [lm]	Luminous efficiency [lm/W]	Number of diodes	Dimensions [mm]	Weight	Beginning of the product code
10	18	800-900	80-90	48	Ø26 x 600	0,13kg	T8M10
14	30	1120-1260	80-90	72	Ø26 x 900	0,18kg	T8M14
18	36	1440-1620	80-90	96	Ø26 x 1200	0,26kg	T8M18
23	58	1840-2070	80-90	120	Ø26 x 1500	0,33kg	T8M23

End of the product code	Type of tube
WW-S	for cheese
WW-P	for bakery products
WW-M	for meat
NW-W	for vegetables and fruit
CW-R	for fish
CW-A	for alcoholic beverages

Specification

- available variants dedicated for: meat, cheese, fish, bakery products, fruit and vegetables, alcoholic beverages;
- tubes do not generate harmful ultraviolet radiation, food products will stay fresh longer;
- the tubes do not require a dimmable ballast system.



LED food track lights

Greenie LED track lights for food are a special series of products intended for use in shops and markets which make food look fresher and more attractive. The track lights have an integrated 35W COB (Chip On Board) light source.



1-phase LED food track light



Meat illuminated by traditional lamps



Meat illuminated by Greenie food LED lamps



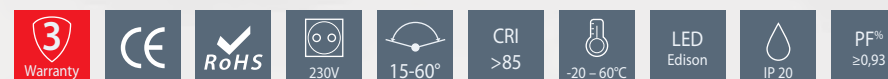
3-phase LED food track light

	Wattage [W]	Equivalent	Brightness [lm]	Luminous efficiency [lm/W]	Number of diodes	Dimensions [mm]	Weight	Beginning of the product code
1-phase Food LED Track Light, white housing	35	150	2660	76	1	110 x 198 x 238	1,76kg	RSF1B35
1-phase Food LED Track Light, black housing								RSF1C35
3-phase Food LED Track Light, white housing								RSF3B35
3-phase Food LED Track Light, black housing								RSF3C35

End of the product code	Type of tube
V	for vegetables and fruit
M	for meat
DE	for delicacies and cold cuts
DA	for dairy products
B	for bakery products

Specification

- tubes do not generate harmful ultraviolet radiation, food products will stay fresh longer;
- the lights are available in both white and black housing, as well as in 1-phase and 3-phase systems.
- beam angle: 15°, 20°, 30°, 40° or 60° – optionally.



LED tubes supporting plant growth

They are specially designed tubes emitting a mixture of blue and red light. The combination of blue and red light greatly enhances the chlorophyll content in plants and accelerates their growth. Red light strengthens the plants, also affects their flowering and budding, while blue light accelerates growth. This product is recommended for growing fruit, vegetables and herbs.

Flora LED tube
T8-1500mm 24W

Flora LED tube
T8-1200mm 18W

Flora LED tube
T8-600mm 9W

Product code	Wattage [W]	Equivalent	Dimensions [mm]	Weight
T8F09	9	18	Ø26 x 600	0,17kg
T8F12	12	30	Ø26 x 900	0,22kg
T8F18	18	36	Ø26 x 1200	0,26kg
T8F24	24	58	Ø26 x 1500	0,34kg

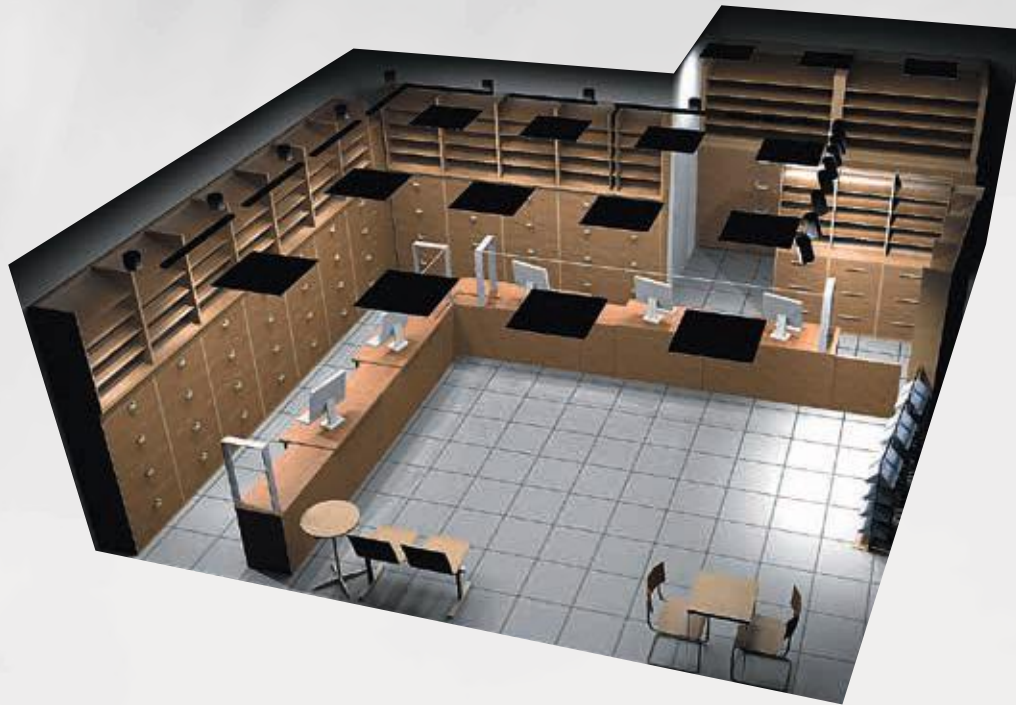


Specification

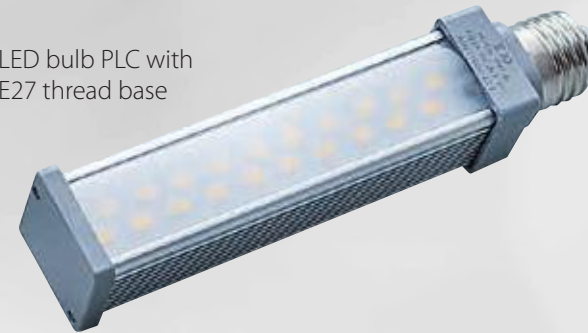
- single-side powered tubes;
- the tubes do not require a dimmable ballast system.

Tailor-made specialized lighting

Every customer is important to us, we can design and manufacture LED lamps and luminaires designed to control lighting in any of the popular systems. Atypical operating voltage, beam angle or light colour temperature pose an easy challenge for us. Housings made of materials resistant to industrial gases and high temperature, integrated temperature control systems, double insulation to protect lights against lightning and electrostatic discharge, linear lamps with the possibility of combining in series, luminaires with higher power or efficiency and many others on special request of the customer.



LED bulb PLC with
E27 thread base



LED track light with
wide beam angle



LINEA PRO LINEAR LED SYSTEM

Linea LED Linear luminaires are the basic luminaires of the advanced LINEA PRO system. The products are made of high quality aluminium, matt coverings diffuse light better. Linea lamps are the perfect choice where lighting parameters are just as important as aesthetic issues. Thanks to their design, you can create a light spectrum of any length without visible gaps or shady places.

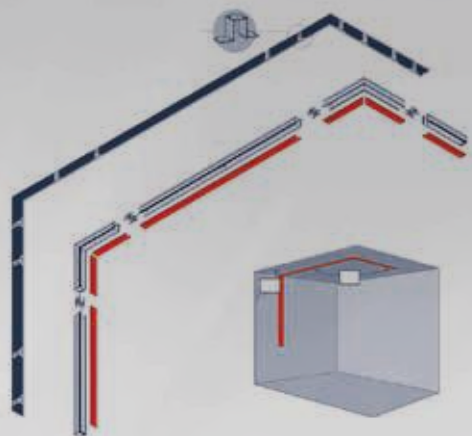
Main benefits of using LINEA PRO Linear LED System:

- each luminaire is available in a suspended and recessed version;
- grey or black housing;
- available accessories for mounting: connectors, angles.

LINEA PRO linear LED system



LED linear luminaires,
Linea system



	Product code	Dimensions [mm]	Weight
Angle for wall mounting of Linea LED luminaires – white	LAWW	50 x 50 x 50	0,45kg
Angle for wall mounting of Linea LED luminaires – black	LAWB	50 x 50 x 50	0,45kg
Suspension set for Linea LED luminaires	LAS		0,144kg
Handle for recessed mounting of Linea LED profiles – grey	LARG	180 x 72 x 90	0,5kg
End cap for Linea LED luminaires/profiles – white	LAEW	85 x 70 x 2	37g
End cap for Linea LED luminaires/profiles – grey	LAEG	85 x 70 x 2	37g
End cap for Linea LED luminaires/profiles – black	LAEB	85 x 70 x 2	37g
Connector for recessed Linea LED profiles – grey	LACWG	85 x 70 x 3	0,159kg
Connector for suspended Linea LED luminaires – white	LACPW	85 x 70 x 3	0,159kg
Connector for suspended Linea LED luminaires – black	LACPB	85 x 70 x 3	0,159kg

	Product code	Colour temperature [K]	Wattage [W]	Equivalent	Brightness [lm]	Light output [lm/W]	Number of diodes	Dimensions [mm]	Weight
Recessed Linea LED Profile – vertical corner 20W grey NW Recessed Linea LED Profile – vertical corner 35° 20W grey NW Recessed Linea LED Profile – vertical corner 15° 20W grey NW Recessed Linea LED Profile – horizontal corner 20W grey NW Recessed Linea LED Profile 600mm 20W grey NW Suspended Linea LED luminaire – horizontal corner 20W white NW Suspended Linea LED luminaire – horizontal corner 20W black NW	LWCV40GNW LWCV3540GNW LWCV1540GNW LWCH40GNW LW0620GNW LPCH40WNW LPCH40BNW	4000-4500	20	100	1671	84	100	300*2 x 70 x 85 300*2 x 70 x 85 300*2 x 70 x 85 300*2 x 70 x 85 600 x 70 x 85 300*2 x 70 x 85 300*2 x 70 x 85	3kg
Recessed Linea LED Profile 1200mm 40W grey NW Suspended Linea LED luminaire 1200mm 40W white NW Suspended Linea LED luminaire 1200mm 40W black NW	LW1240GNW LP1240WNW LP1240BNW	4000-4500	40	200	3812	95	200	1200 x 70 x 85	3,71kg



LED LOGO PROJECTORS

Greenie LED logo projectors were designed to display high quality graphics on any flat surface. They can display black and white or full-colour logo. You can easily adjust the sharpness of the displayed image. Accessible rear panel allows you to manually replace the „gobo” slides with the displayed logo. Greenie LED logo projectors are ideal for displaying logos of the shops, clubs, coffee houses and restaurants. They can also be used at banquets, weddings, conferences and fairs.

Main benefits of using Greenie LED logo projectors:

- several mounting options and projector versions: wall mounted, track mounted, recessed into the ceiling, with increased waterproof rating and a portable model with convenient mounting clip;
- cooling via passive radiator (noiseless);
- LEDs of the world leading manufacturer – CREE, with high impact, vibration and oscillation resistance;
- low maintenance and operating costs.



Greenie
OŚWIETLENIE
LED



LED logo projector 12W

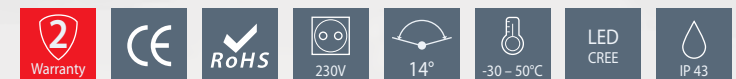
	Product code	Wattage [W]	Number of diodes	Dimensions [mm]	Weight
recessed in the ceiling 1-phase, track projector portable 3h revolving waterproof IP43 12W	LOG12W LOG12S LOG12P LOG12O LOG12IP LOG12	12	1	320 x 150 x 130	0,84kg 1,12kg 1,4kg 1,3kg 1kg 0,95kg
revolving waterproof IP43, revolving waterproof IP43 20W	LOG20O LOG20IPO LOG20IP LOG20	20	1	320 x 150 x 130	2,2kg 2,4kg 1,47kg 1,44kg
waterproof IP43, revolving	LOG30IPO	30	1	320 x 230 x 260	2,43kg

Specification

- housing material: aluminium; housing colour: black;
- effective range of 12W and 20W lights is: 1-10m, the range of the 30W light: 1-40m.



LED logo projector 30W



LED DESK LAMPS

Greenie LED desk lamps are practical devices providing an alternative to traditional lamps. The intended use of these products: home and office space. Lights vary in terms of power and appearance. There are models with the light intensity adjustment option – built-in dimmer, or change of the colour temperature of the light option. In addition to the lighting properties, LED desk lamps are characterized by an interesting, diverse design.

Main benefits of using Greenie LED desk lamps:

- high light efficiency at low operating costs, a 10W lamp replaces conventional 50W lamps;
- diversified offer in terms of design, many options of adjustment to the interior;
- functionality; models with dimmers and even with adjustable colour temperature of the light are available;
- All lamps are made of high quality plastic, compact size.



LED desk lamps

Greenie LED desk lamps are practical devices providing an alternative to traditional lamps. The intended use of these products: home and office space. Lamps vary in terms of power and appearance. There are models with the light intensity adjustment option – built-in dimmer, or change of the colour temperature of the light option. In addition to the lighting properties, LED desk lamps are characterized by an interesting, diverse design.

	Housing colour	Product code	Wattage rating [W]	Equivalent	Colour temperature [K]	Height [mm]	Base [mm]	Weight
Verona Series	Rosso/red	G1004R	5	35	5300	420	100x160	1kg
	Nero/black	G1004S						
	Bianco/white	G1004W						
Roma Series	Rosso/red	G1003R	8	42	5300	450	ø300	1kg
	Silver	G1003S						
	Bianco/white	G1003						
Milano Series	Rosso/red	G1002	10	50	5300	410	180 x 145	1kg
	Nero/black	G1001						
	Bianco/white	G1005						
Palermo Series	White	G1007	10	50	3000-6500	650	220 x 160	1kg
	Black	G1007S						
Venice Series	White	G1006	5	40	3000-6500	400	145 x 145	1kg
	Black	G1006S						
Modena Series	White	LB11W	6	50	5500-6500	360	ø160	0,75kg
	Black	LB11B						
Florence Series	White	LB09W	6	50	5500-6500	400	165 x 120	0,45kg
	Black	LB09B						
Spiral Series	Silver	SPIRAL12-S	12	80	2800-3200	460	ø160	0,5kg
	Chromium	SPIRAL12-C						
Oval Series	Chromium	OVAL12-C	12	80	2800-3200	380	ø150	0,73kg



Milano



Verona



Roma



Modena



Florence



Venice



Palermo



Oval



Spiral

Types of bulbs



Traditional tungsten light bulb	Fluorescent light bulb – energy saving bulb	LED light bulb
<ul style="list-style-type: none">– used since the mid 20th century,– very high energy consumption,– the side effect of the lighting is the heat which consumes 95% of energy,– service life up to 1500h,– low resistance to mechanical damage,– only warm colour temperature,– prohibited from sale since 2012r.	<ul style="list-style-type: none">– used since the 30s of the 20th century,– lower energy consumption compared to the tungsten bulb,– the bulb does not heat up,– service life between 7500 to 20000h,– low resistance to mechanical damage,– construction of this bulb is based on mercury which is harmful to the environment and people, it is dangerous at the time of damage as well as during operation,– sale of the fluorescent bulbs and lamps will be prohibited after 2020.	<ul style="list-style-type: none">– they have been used since 2000,– the bulb heats up slightly,– lowest energy consumption– the most energy efficient light source,– service life up to 50000h,– full selection of colour temperatures,– high resistance to mechanical damage.

Colour temperature



The effect of replacing the metal-halide lighting with Greenie LED lighting :



Photo of the clothes store before lighting replacement (metal-halide track lights used)

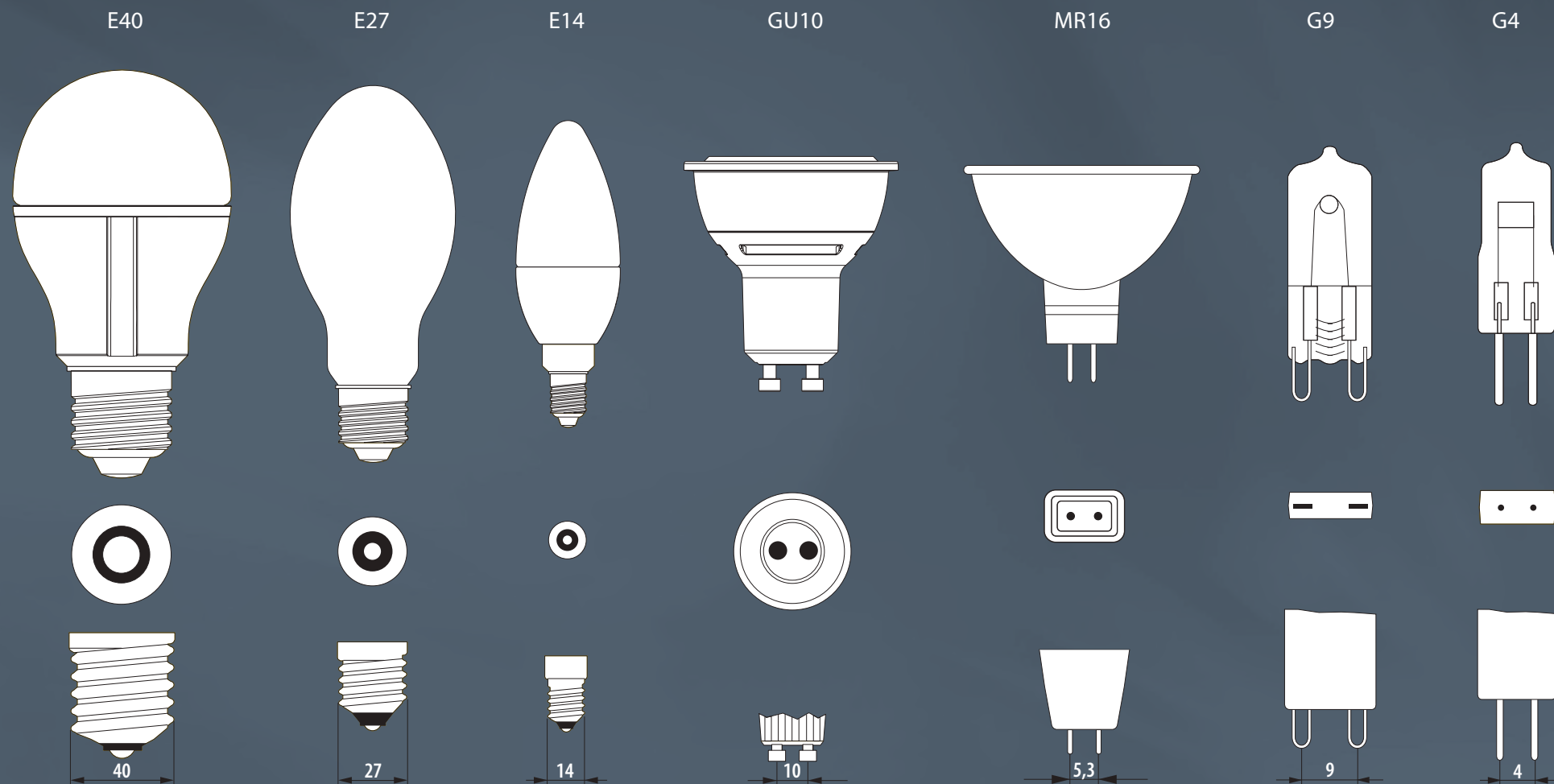


Photo of the clothes store after installation of Greenie LED track lights

How the colour temperature and colour rendering index (CRI) affect the appearance and colour of the illuminated products

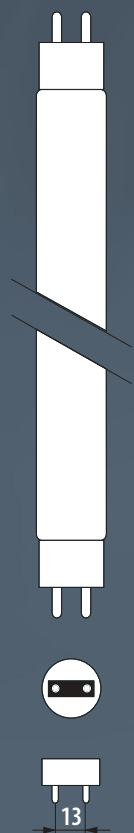


Types of threads – Bulbs



Types of threads – Tubes

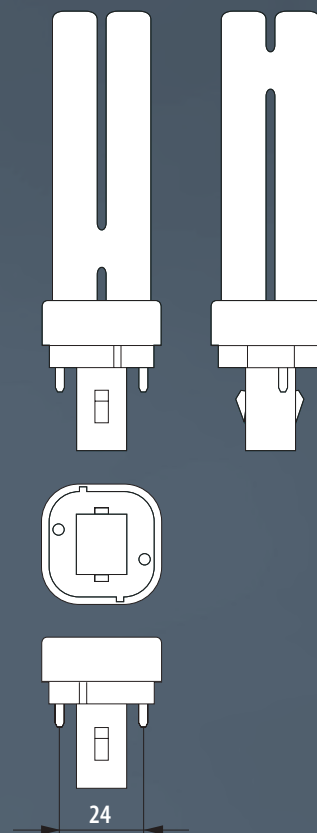
T8
G13 THREAD



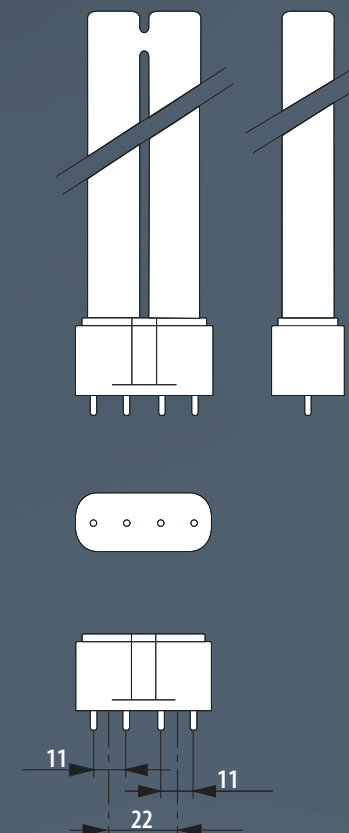
T5
G5 THREAD



PLC
G24D-2 THREAD



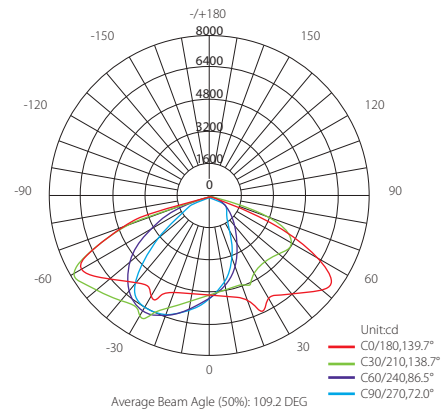
2G11



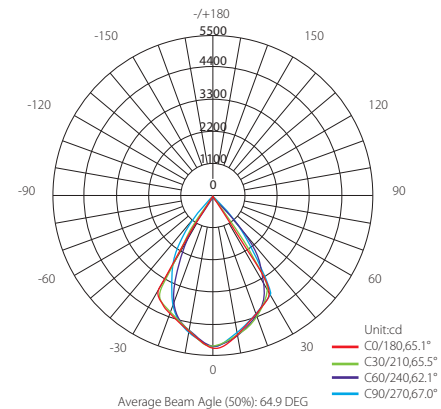
Light distribution

Exemplary diagrams of the light distribution for light sources type:

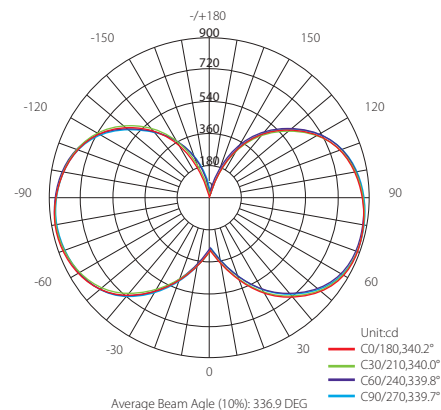
Typically streetlamp light distribution
of the Greenie Street Luminaire
Modular Panel



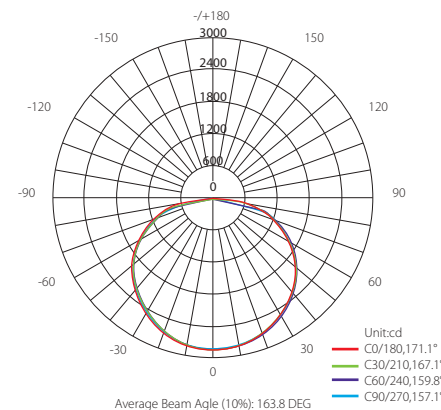
Directional illumination
with narrow beam angle
of 60 degrees.



Omnidirectional light distribution
of the Greenie Alucorn light bulb



Industrial LED lamp
with beam angle
of 160 degrees



VISIT OUR WEBSITE AT WWW.GREENIE-WORLD.COM

1. DETAILED DESCRIPTION OF PRODUCTS AND TECHNICAL SPECIFICATIONS

A complete catalogue of products with downloadable catalogue cards, certificates, photometric files and technical drawings can be found on our website.

2. IMPLEMENTATIONS OF GREENIE PRODUCTS

We invite you to see sample projects selected from over several thousand of the completed orders.

3. KNOWLEDGE BASE ON LIGHTING

We share our knowledge about LED lighting. Articles and hints are available on our website.

The screenshot displays the Greenie website interface. At the top, there's a navigation bar with 'About us' and 'LED technology'. The main content area is divided into two sections: 'Files to download' and 'Spectrometer'. The 'Files to download' section features a 'Catalogue' button. The 'Spectrometer' section shows a graph of light spectrum with parameters: CCT 4165 K and CRI 82. Below this, there's a 'Parameter' section with a table of technical data. At the bottom, there are various certification logos including CE, RoHS, TUV, and others.

Parameter	Value
CCT	4165 K
CRI	82

A grid of 12 images showcasing various LED lighting applications. The images are arranged in a 3x4 grid. The first row shows a modern office interior, a pharmacy storefront (ZIKO APTEKA), and a large indoor arena. The second row shows a car at night, a street scene at night, and a Toyota dealership. The third row shows a building at night, a large indoor arena, and a modern interior space. Each image is accompanied by a brief description of the project.

A grid of 9 articles related to LED lighting technology and implementation. The articles are arranged in a 3x3 grid. The first row includes 'Savings generated on lighting replacement', 'The advantages and disadvantages of LED', and 'How to choose LED lighting for your needs'. The second row includes 'LED lighting due to the low power consumption, generates huge savings of which...', 'LED is the newest and most exciting technological advance in the lighting industry', and 'LED lighting, which will help...'. The third row includes 'Technical parameters – what to consider', 'Industrial lighting – where to start?', and 'LED Technology vs. Traditional Lighting'. Each article has a thumbnail image and a brief description.



WOŁOSKA 16 STREET, 02-675 WARSAW, POLAND
TEL.: +48 22 842 22 32 | office@greenie.pl

www.greenie-world.com
