



SOLAR AND HYBRID STREET LAMPS



The **RMS Polska** company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and know-how to design lighting systems bespoke for individual applications.

Solar Street Lamps are ideal solution for outdoor lighting applications. The Jupiter lamps are self-contained and they do not need connection to the electrical grid.

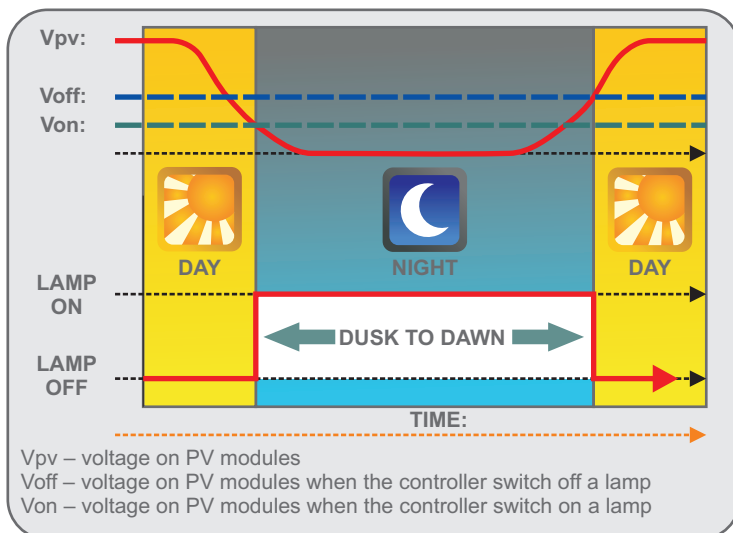
The market is full of "universal" and cheap street lamps but they are not designed for specific climate conditions. After the installation, sometimes it turns out that these lamps do not work as expected. Jupiter Solar Street Lamps are always matched to the specific working conditions. Our individual approach to any application ensures that our solar street lamps operate successfully and trouble-free.

During many years of activity in this market we have gained invaluable experience in the design of a variety of energy-efficient and renewable energy solutions.

If you are looking for a professional and responsible company we invite you to use our services.

PRINCIPLE OF OPERATION

Electricity generated by PV modules charges batteries through a specialist MPPT charge controller. The PV modules also act as the dusk to dawn sensors. Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of the ground, wind zone, etc. The bespoke nature of our designs and installations ensure the selected light will be safe for the environment and provide many years of trouble-free operation.

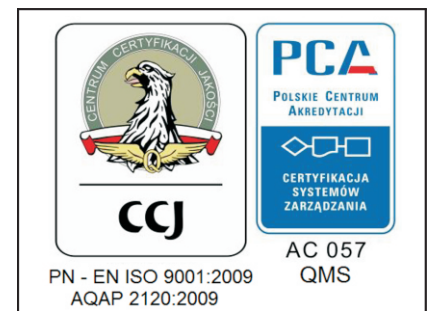


JUPITER LAMPS BENEFITS

- ♦ Energy efficiency
- ♦ Long life time
- ♦ Independence from the electricity grid
- ♦ Very low cost of operation
- ♦ High performance
- ♦ High quality components
- ♦ Reduction of CO₂ emissions
- ♦ Use of renewable energy
- ♦ No energy costs throughout life of product
- ♦ A higher level of illumination as compared to the conventional lamp
- ♦ High resistance to weather conditions and vibration
- ♦ Individual design for each application and adjustable lighting
- ♦ Protection against overcharging and deep discharge of batteries
- ♦ Easier installation comparing to the competitors
- ♦ **Designed and manufactured in Poland.**

OUR DIFFERENCE

- ♦ RMS POLSKA Company operate in renewable energy sector since 2004.
- ♦ Our mission is to propagate ecological energy sources and their practical application.
- ♦ Extensive experience in the renewable energy sector.
- ♦ We are an European manufacturer of solar and hybrid street lamps.
- ♦ Professional design, technical consulting, manufacture, quality control and service.
- ♦ Thanks continuous research our company increase quality, reliability and range of offered systems.
- ♦ Using of high-quality components such as: MPPT regulators, long-life LEDs, high-efficiency PV modules, long-life gel batteries.
- ♦ Technical support.
- ♦ Flexibility.
- ♦ Hundreds of lamps installed in adverse environment and harsh climates.
- ♦ Customized solution for every application.
- ♦ Quality management system: ISO 9001.



We reserve the right to make changes without prior notice.

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SOLAR AND HYBRID STREET LAMPS

Hybrid Street Lamp Jupiter 18LH-6



The **RMS Polska** company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

The bespoke nature of our designs and installations ensure the selected light will be safe for the environment and provide many years of trouble-free operation.

The market place is full of "universal" street lamps not designed for specify weather and altitude conditions. Only after installation will it be known that the lamps do not work as expected especially during winter season where local weather conditions are hugely influential. For this reason our individual approach to each application ensures our products operate successfully.

During many years of activity in this market we have gained invaluable experience in the design of a variety of energy-efficient and renewable energy solutions.

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FIXTURE

Power LED light source:	18 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 18 lux under the lamp*
Average illuminance:	approx. 6,3 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules:	Made in EU - 1 or 2 pcs.
Wind turbine:	Made in EU - 1 pc.

BATTERIES:

Type:	Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.
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ENERGY MANAGEMENT

Lighting time:	from dusk to dawn (every season)
Autonomy:	approx. 5 days
Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.

CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Height of wind turbine installation:	7,8 - 8,4 m
Foundation:	450 x 450 x 1800 mm (I, II and III wind zone)
Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

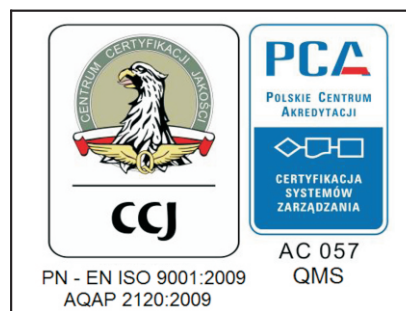
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, wind turbine, battery capacity, operating capacity, period of autonomy, size, control system, etc.



* Parameters are dependent of the angle adjustment and height of light source installation (depending on the wind zone and local site conditions).

We reserve the right to make changes without prior notice.



SOLAR AND HYBRID STREET LAMPS

Hybrid Street Lamp Jupiter 24LH-6



The **RMS Polska** company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

The bespoke nature of our designs and installations ensure the selected light will be safe for the environment and provide many years of trouble-free operation.

The market place is full of "universal" street lamps not designed for specify weather and altitude conditions. Only after installation will it be known that the lamps do not work as expected especially during winter season where local weather conditions are hugely influential. For this reason our individual approach to each application ensures our products operate successfully.

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FIXTURE

Power LED light source:	24 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 24,6 lux under the lamp*
Average illuminance:	approx. 8,9 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules:	Made in EU - 2 pcs.
Wind turbine:	Made in EU - 1 pc.

BATTERIES:

Type:	Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.
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ENERGY MANAGEMENT

Lighting time:	from dusk to dawn (every season)
Autonomy:	approx. 5 days
Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.

CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Height of wind turbine installation:	7,8 - 8,4 m
Foundation:	450 x 450 x 1800 mm (I, II and III wind zone)
Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

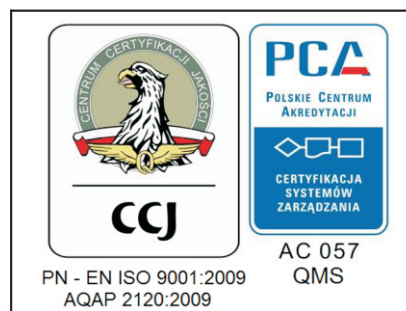
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, wind turbine, battery capacity, operating capacity, period of autonomy, size, control system, etc.



* Parameters are dependent of the angle adjustment and height of light source installation (depending on the wind zone and local site conditions).

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SOLAR AND HYBRID STREET LAMPS

Hybrid Street Lamp Jupiter 30LH-6



The **RMS Polska** company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

The bespoke nature of our designs and installations ensure the selected light will be safe for the environment and provide many years of trouble-free operation.

The market place is full of "universal" street lamps not designed for specific weather and altitude conditions. Only after installation will it be known that the lamps do not work as expected especially during winter season where local weather conditions are hugely influential. For this reason our individual approach to each application ensures our products operate successfully.

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FIXTURE

Power LED light source:	30 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 29,4 lux under the lamp*
Average illuminance:	approx. 10,4 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules:	Made in EU - 2 pcs.
Wind turbine:	Made in EU - 1 pc.

BATTERIES:

Type:	Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.
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ENERGY MANAGEMENT

Lighting time:	from dusk to dawn (every season)
Autonomy:	approx. 5 days
Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.

CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Height of wind turbine installation:	7,8 - 8,4 m
Foundation:	450 x 450 x 1800 mm (I wind zone) 450 x 450 x 2100 mm (II and III wind zone)
Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

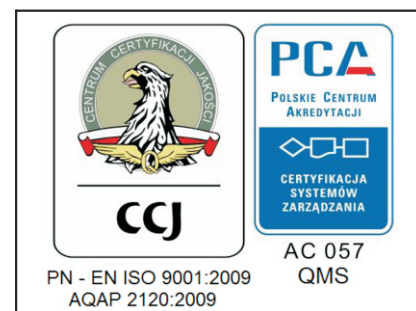
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, wind turbine, battery capacity, operating capacity, period of autonomy, size, control system, etc.



* Parameters are dependent of the angle adjustment and height of light source installation (depending on the wind zone and local site conditions).

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SOLAR AND HYBRID STREET LAMPS

Hybrid Street Lamp Jupiter 36LH-6



The **RMS Polska** company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

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FIXTURE

Power LED light source:	36 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 33,6 lux under the lamp*
Average illuminance:	approx. 12,6 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules:	Made in EU - 2 pcs.
Wind turbine:	Made in EU - 1 pc.

BATTERIES:

Type:	Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.
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ENERGY MANAGEMENT

Lighting time:	from dusk to dawn (every season)
Autonomy:	approx. 5 days
Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.

CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Height of wind turbine installation:	7,8 - 8,4 m
Foundation:	450 x 450 x 1800 mm (I wind zone) 450 x 450 x 2100 mm (II and III wind zone)
Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

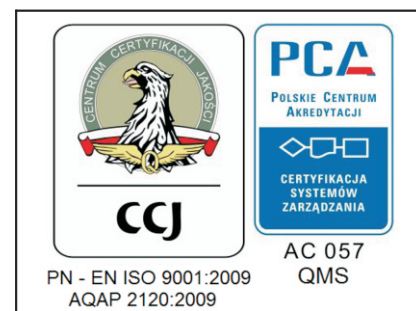
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, wind turbine, battery capacity, operating capacity, period of autonomy, size, control system, etc.



* Parameters are dependent of the angle adjustment and height of light source installation (depending on the wind zone and local site conditions).

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SOLAR AND HYBRID STREET LAMPS

Hybrid Street Lamp Jupiter 42LH-6



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Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

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FIXTURE

Power LED light source:	42 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 38,9 lux under the lamp*
Average illuminance:	approx. 13,7 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules:	Made in EU - 2 pcs.
Wind turbine:	Made in EU - 1 pc.

BATTERIES:

Type:	Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.
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ENERGY MANAGEMENT

Lighting time:	from dusk to dawn (every season)
Autonomy:	approx. 5 days
Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.

CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Height of wind turbine installation:	7,8 - 8,4 m
Foundation:	450 x 450 x 1800 mm (I wind zone) 450 x 450 x 2100 mm (II and III wind zone)
Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

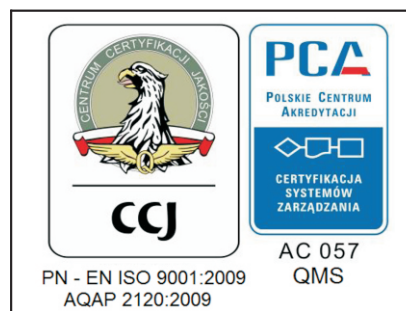
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, wind turbine, battery capacity, operating capacity, period of autonomy, size, control system, etc.



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SOLAR AND HYBRID STREET LAMPS

Hybrid Street Lamp Jupiter 60LH-6



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Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

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FIXTURE

Power LED light source:	60 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 51,8 lux under the lamp*
Average illuminance:	approx. 18,4 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules:	Made in EU - 2 pcs.
Wind turbine:	Made in EU - 1 pc.

BATTERIES:

Type:	Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.
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ENERGY MANAGEMENT

Lighting time:	approx. 5 - 6 hours / day
Autonomy:	approx. 5 days

Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.
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CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Height of wind turbine installation:	7,8 - 8,4 m
Foundation:	450 x 450 x 1800 mm (I wind zone) 450 x 450 x 2100 mm (II and III wind zone)

Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion
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Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

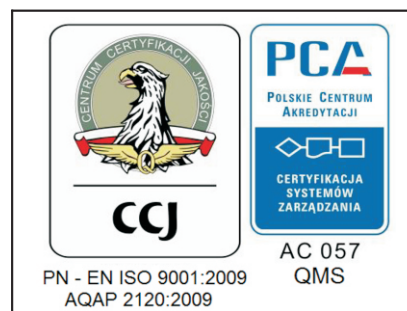
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, wind turbine, battery capacity, operating capacity, period of autonomy, size, control system, etc.



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SOLAR AND HYBRID STREET LAMPS

Hybrid Street Lamp Jupiter 84LH-6



The RMS Polska company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

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FIXTURE

Power LED light source:	84 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 75,6 lux under the lamp*
Average illuminance:	approx. 27,3 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules:	Made in EU - 2 pcs.
Wind turbine:	Made in EU - 1 pc.

BATTERIES:

Type:	Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.
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ENERGY MANAGEMENT

Lighting time:	approx. 4 - 5 hours / day
Autonomy:	approx. 5 days

Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.
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CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Height of wind turbine installation:	7,8 - 8,4 m
Foundation:	450 x 450 x 1800 mm (I wind zone) 450 x 450 x 2100 mm (II and III wind zone)

Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion
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Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

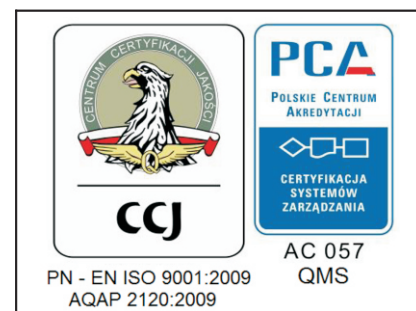
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, wind turbine, battery capacity, operating capacity, period of autonomy, size, control system, etc.



* Parameters are dependent of the angle adjustment and height of light source installation (depending on the wind zone and local site conditions).

We reserve the right to make changes without prior notice.



SOLAR AND HYBRID STREET LAMPS

Solar Street Lamp Jupiter 18L



The RMS Polska company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

The bespoke nature of our designs and installations ensure the selected light will be safe for the environment and provide many years of trouble-free operation.

The market place is full of "universal" street lamps not designed for specific weather and altitude conditions. Only after installation will it be known that the lamps do not work as expected especially during winter season where local weather conditions are hugely influential. For this reason our individual approach to each application ensures our products operate successfully.

During many years of activity in this market we have gained invaluable experience in the design of a variety of energy-efficient and renewable energy solutions.

If you are looking for a professional and responsible company we invite you to use our services.

FIXTURE

Power LED light source:	18 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 18 lux under the lamp*
Average illuminance:	approx. 6,3 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules: **Made in EU - 1 pc.**

BATTERIES:

Type: **Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.**

ENERGY MANAGEMENT

Lighting time:	from dusk to dawn (every season)
Autonomy:	approx. 5 days
Regulator:	High efficiency regulator MPPT with external temperature sensor for temperature compensation.

CONSTRUCTION

Height of light source:	4,8 - 5,8 m
Height of pole:	5,0 or 6,0 m
Foundation:	300 x 300 x 1500 mm (pole 5 m) 400 x 400 x 1600 mm (pole 6 m)

Materials: hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

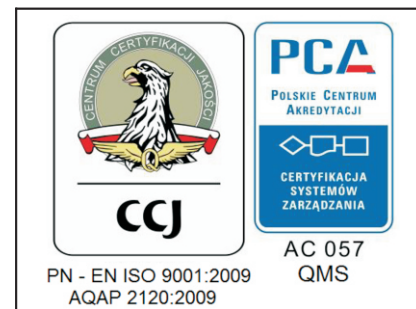
Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, battery capacity, operating capacity, period of autonomy, size, control system, etc.



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SOLAR AND HYBRID STREET LAMPS

Solar Street Lamp Jupiter 24L



The RMS Polska company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

The bespoke nature of our designs and installations ensure the selected light will be safe for the environment and provide many years of trouble-free operation.

The market place is full of "universal" street lamps not designed for specific weather and altitude conditions. Only after installation will it be known that the lamps do not work as expected especially during winter season where local weather conditions are hugely influential. For this reason our individual approach to each application ensures our products operate successfully.

During many years of activity in this market we have gained invaluable experience in the design of a variety of energy-efficient and renewable energy solutions.

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FIXTURE

Power LED light source:	24 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 24,6 lux under the lamp*
Average illuminance:	approx. 8,9 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules: **Made in EU - 2 pcs.**

BATTERIES:

Type: **Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.**

ENERGY MANAGEMENT

Lighting time: **from dusk to dawn (every season)**

Autonomy: approx. 5 days

Regulator: **High efficiency regulator MPPT with external temperature sensor for temperature compensation.**

CONSTRUCTION

Height of light source:	5,8 - 6,3 m
Height of pole:	6,0 or 6,5 m
Foundation:	450 x 450 x 1800 mm (I, II and III wind zone)
Materials:	hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

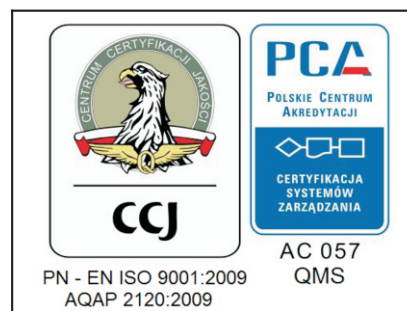
NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, battery capacity, operating capacity, period of autonomy, size, control system, etc.

* Parameters are dependent of the angle adjustment and height of light source installation (depending on the wind zone and local site conditions).

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PN - EN ISO 9001:2009
AQAP 2120:2009

AC 057
QMS



SOLAR AND HYBRID STREET LAMPS

Solar Street Lamp Jupiter 30L



The RMS Polska company is engaged in technical consultancy, designing, production and assembly of complete lighting solutions. We have necessary knowledge and experience of how to design lighting systems bespoke for individual applications.

Electricity generated by PV modules and optionally wind turbine charges batteries through a specialist charge controller. The PV modules also act as the dusk to dawn sensors.

Energy generated during the day is used for power supply of lamp operation at night. When designing the unit we consider local weather, altitude, weight of system, type of soil, wind zone, etc.

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FIXTURE

Power LED light source:	30 W
Type:	Power LED diodes, symmetrical or asymmetrical
Illuminance:	approx. 29,4 lux under the lamp*
Average illuminance:	approx. 10,4 lux on the area 30m x 6m*
Impact resistance degree:	IK08
Light source life-time:	100 000 working hours

ENERGY SOURCE

PV Modules: **Made in EU - 2 pcs.**

BATTERIES:

Type: **Mounted on the top of pole to ensure maximum efficiency. Gel type, maintenance free.**

ENERGY MANAGEMENT

Lighting time: **from dusk to dawn (every season)**

Autonomy: approx. 5 days

Regulator: **High efficiency regulator MPPT with external temperature sensor for temperature compensation.**

CONSTRUCTION

Height of light source: 5,8 - 6,3 m

Height of pole: 6,0 or 6,5 m

Foundation: 450 x 450 x 1800 mm (I, II and III wind zone)

Materials: hot-dip galvanised pole, batteries box and components protected against corrosion

Possibility of **automatic power control LED fixtures** depending on battery level. The lamp holder is adjustable inclination angle and swivel arm lock.

Additional options:

- Bluetooth communication module for remote programming and service, with an application on your laptop
- Remote monitoring of GPRS
- Time synchronisation on and off for a group of lamps

Benefits:

- energy efficiency
- long life time
- independence from the electricity grid
- very low cost of operation
- high performance
- high quality components
- reduction of CO₂ emissions
- a higher level of illumination as compared to the conventional lamp
- high resistance to weather conditions and vibration
- individual design for each application and adjustable lighting
- protection against overcharging and deep discharge of batteries
- European product

Typical applications:

lighting of roads and streets, pathways, pedestrian areas, promenades, junctions and crossings, pedestrian crossings, squares, parks, bus stops, sports fields, parks, gardens and other green spaces, cemeteries, private estates, factories, industrial zones, surveillance areas

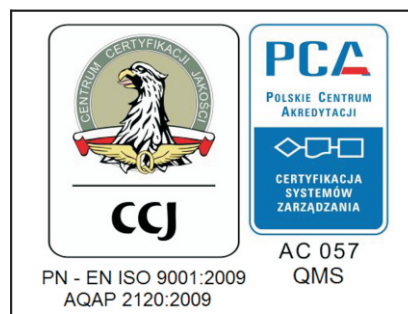
NOTE!

It is possible to adapt the system to specific application and make changes in the parameters of the lamp.

The data in the table shows a sample configuration of the lamp. Each system is individually designed with specific lighting, photovoltaic panels, battery capacity, operating capacity, period of autonomy, size, control system, etc.

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We reserve the right to make changes without prior notice.



Lampa solarna Jupiter 8L



Firma **RMS Polska** zajmuje się doradztwem technicznym, projektowaniem, produkcją i montażem kompletnych instalacji. Posiadamy wiedzę i doświadczenie jak prawidłowo zaprojektować system oświetlenia oraz dobieramy odpowiedni rodzaj opraw zgodnie z wymaganiami klienta. Do każdej instalacji podchodzimy indywidualnie.

Lampy solarne doskonale nadają się do oświetlenia parków, ogrodów, uliczek, terenów turystycznych, posesji prywatnych, zabytków architektury, itp. Lampy tej serii zostały zaprojektowane przez nas w odpowiedzi na zapotrzebowanie rynku. Projekt lampy jest zawsze dopasowany do konkretnej aplikacji.

Lampy Jupiter generują subtelne światło zapewniając niepowtarzalny klimat. Oczywiście tak jak inne nasze lampy, systemy oświetlenia parkowego i ogrodowego są całkowicie niezależne od standardowej sieci energetycznej. Źródłem energii jest światło słoneczne. Dzięki temu mogą być montowane w miejscach, gdzie dostęp do standardowej sieci energetycznej jest bardzo utrudniony lub wręcz niemożliwy.

W czasie naszej wieloletniej działalności zdobyliśmy bezcenne doświadczenie przy projektowaniu różnorodnych systemów energooszczędnych oraz wykorzystujących energię odnawialną.

Jeżeli szukasz fachowej i odpowiedzialnej firmy to zapraszamy do skorzystania z naszych usług.

Źródłem światła są wytrzymałe diody LED, które charakteryzują się m.in. dużą energooszczędnością, wydajnością, żywotnością, odpornością na warunki atmosferyczne, temperaturę i wibracje oraz są bezpieczne dla środowiska naturalnego. Ponadto w przeciwieństwie do standardowych źródeł światła diody LED cechuje niska emisja ciepła. Dzięki temu większa ilość dostarczonej energii zostaje wykorzystana do oświetlenia. W przypadku standardowych źródeł światła duża część energii jest zamieniana na ciepło i zostaje zmarnowana do ogrzewania powietrza. Zastosowanie technologii LED znacznie zmniejsza koszty eksploatacyjne związane z wymianą źródeł światła.

Energia elektryczna wyprodukowana przez moduły fotowoltaiczne jest przekazywana do akumulatorów poprzez regulator ładowania. Zmagazynowana energia jest pobierana w nocy do zasilania lampy. Lampy solarne są łatwe w montażu, nie wymagają prowadzenia przewodów i są całkowicie niezależne od tradycyjnej sieci energetycznej.

Oprawa oświetleniowa

Moc źródła światła:	8 W
Strumień świetlny:	640 lm
Barwa światła:	4000K lub 5500K
Oświetlony obszar:	ok. 8 m
Napięcie zasilania:	12V DC

Źródło energii

Moduł fotowoltaiczny:	wyprodukowany w EU - 1 szt.
Gwarancja sprawności paneli:	min. 90% - 12 lat; min. 80% - 25 lat

Akumulatory

Typ akumulatorów:	bezobsługowe; żelowe; montowane na szczycie słupa w celu uzyskania maksymalnej sprawności systemu.
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Zarządzenie energią

Czas pracy lampy:	od zmierzchu do świtu
Układ sterowania:	Sterownik mikroprocesorowy z wyłącznikiem zmierzchowym

Budowa

Wysokość słupa:	ok. 4,5m
Całkowita wysokość lampy:	ok. 5,5m

Materiały:	Słup stalowy cynkowany ogniowo, prefabrykowany fundament pod maszt, komplet elementów montażowych.
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Cechy lamp Jupiter:

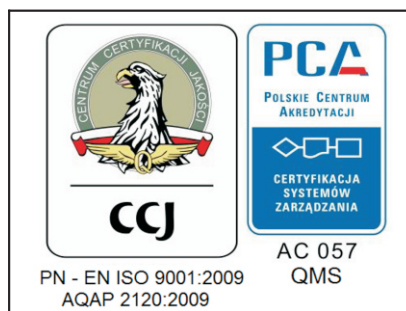
- energooszczędność
- żywotność
- niezależność od standardowej sieci energetycznej
- bardzo niski koszt eksploatacji
- wydajność
- wysoka jakość elementów składowych
- ograniczenie emisji CO₂
- duża odporność na warunki atmosferyczne i wibracje
- indywidualny projekt do każdej aplikacji
- zabezpieczenie przed przeładowaniem oraz nadmiernym rozładowaniem
- wyprodukowano w Polsce
- możliwość uzyskania dotacji

Przykładowe aplikacje:

Parki; ogrody; chodniki; place i skwery; uliczki; alejki; posesje prywatne; parkingi; przejścia dla pieszych; ścieżki rowerowe; przystanki autobusowe; cmentarze; tereny turystyczne i zabytki architektury

UWAGA!

Model opisany powyżej stanowi jedynie przykładową konfigurację. Parametry lamp projektowane są zgodnie z potrzebami i wymaganiami użytkownika oraz warunkami eksploatacji.



Zastrzegamy sobie prawo do zmian bez wcześniejszego powiadomienia. Umieszczone zdjęcia mają charakter wyłącznie orientacyjny.



LAMPY SOLARNE I HYBRYDOWE

Lampa solarna Jupiter 2x8L



Firma **RMS Polska** zajmuje się doradztwem technicznym, projektowaniem, produkcją i montażem kompletnych instalacji. Posiadamy wiedzę i doświadczenie jak prawidłowo zaprojektować system oświetlenia oraz dobieramy odpowiedni rodzaj opraw zgodnie z wymaganiami klienta. Do każdej instalacji podchodzimy indywidualnie.

Lampy solarne doskonale nadają się do oświetlenia parków, ogrodów, uliczek, terenów turystycznych, posesji prywatnych, zabytków architektury, itp. Lampy tej serii zostały zaprojektowane przez nas w odpowiedzi na zapotrzebowanie rynku. Projekt lampy jest zawsze dopasowany do konkretnej aplikacji.

Lampy Jupiter generują subtelne światło zapewniając niepowtarzalny klimat. Oczywiście tak jak inne nasze lampy, systemy oświetlenia parkowego i ogrodowego są całkowicie niezależne od standardowej sieci energetycznej. Źródłem energii jest światło słoneczne. Dzięki temu mogą być montowane w miejscach, gdzie dostęp do standardowej sieci energetycznej jest bardzo utrudniony lub wręcz niemożliwy.

W czasie naszej wieloletniej działalności zdobyliśmy bezcenne doświadczenie przy projektowaniu różnorodnych systemów energooszczędnych oraz wykorzystujących energię odnawialną.

Jeżeli szukasz fachowej i odpowiedzialnej firmy to zapraszamy do skorzystania z naszych usług.

Źródłem światła są wytrzymałe diody LED, które charakteryzują się m.in. dużą energooszczędnością, wydajnością, żywotnością, odpornością na warunki atmosferyczne, temperaturę i wibracje oraz są bezpieczne dla środowiska naturalnego. Ponadto w przeciwieństwie do standardowych źródeł światła diody LED cechuje niska emisja ciepła. Dzięki temu większa ilość dostarczonej energii zostaje wykorzystana do oświetlenia. W przypadku standardowych źródeł światła duża część energii jest zamieniana na ciepło i zostaje zmarnowana do ogrzewania powietrza. Zastosowanie technologii LED znacznie zmniejsza koszty eksploatacyjne związane z wymianą źródeł światła.

Energia elektryczna wyprodukowana przez moduły fotowoltaiczne jest przekazywana do akumulatorów poprzez regulator ładowania. Zmagazynowana energia jest pobierana w nocy do zasilania lampy. Lampy solarne są łatwe w montażu, nie wymagają prowadzenia przewodów i są całkowicie niezależne od tradycyjnej sieci energetycznej.

Oprawa oświetleniowa

Moc źródła światła:	Dwie oprawy oświetleniowe z żarówkami LED. 2 x 8 W
Strumień świetlny:	2 x 640 lm
Barwa światła:	4000K lub 5500K
Oświetlony obszar:	ok. 11 m
Napięcie zasilania:	12V DC

Źródło energii

Moduł fotowoltaiczny:	wyprodukowany w EU - 1 szt.
Gwarancja sprawności paneli:	min. 90% - 12 lat; min. 80% - 25 lat

Akumulatory

Typ akumulatorów:	beobsługowe; żelowe; montowane na szczycie słupa w celu uzyskania maksymalnej sprawności systemu.
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Zarządzenie energią

Czas pracy lampy:	od zmierzchu do świtu
Układ sterowania:	Sterownik mikroprocesorowy z wyłącznikiem zmierzchowym

Budowa

Wysokość słupa:	ok. 4,5m
Calkowita wysokość lampy:	ok. 5,5m

Materiały:	Słup stalowy cynkowany ogniowo, prefabrykowany fundament pod maszt, komplet elementów montażowych.
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Cechy lamp Jupiter:

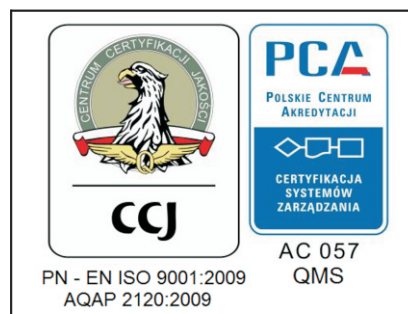
- energooszczędność
- żywotność
- niezależność od standardowej sieci energetycznej
- bardzo niski koszt eksploatacji
- wydajność
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- ograniczenie emisji CO₂
- duża odporność na warunki atmosferyczne i wibracje
- indywidualny projekt do każdej aplikacji
- zabezpieczenie przed przeładowaniem oraz nadmiernym rozładowaniem
- wyprodukowano w Polsce
- możliwość uzyskania dotacji

Przykładowe aplikacje:

Parki; ogrody; chodniki; place i skwery; uliczki; alejki; posesje prywatne; parkingi; przejścia dla pieszych; ścieżki rowerowe; przystanki autobusowe; cmentarze; tereny turystyczne i zabytki architektury

UWAGA!

Model opisany powyżej stanowi jedynie przykładową konfigurację. Parametry lamp projektowane są zgodnie z potrzebami i wymaganiami użytkownika oraz warunkami eksploatacji.



Zastrzegamy sobie prawo do zmian bez wcześniejszego powiadomienia. Umieszczone zdjęcia mają charakter wyłącznie orientacyjny.

RMS POLSKA - Biuro Handlowe ♦ 39-120 Sędziszów Małopolski ♦ ul. Fabryczna 4, POLSKA

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Lampa solarna Jupiter 8L TP



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W czasie naszej wieloletniej działalności zdobyliśmy bezcenne doświadczenie przy projektowaniu różnorodnych systemów energooszczędnych oraz wykorzystujących energię odnawialną.

Jeżeli szukasz fachowej i odpowiedzialnej firmy to zapraszamy do skorzystania z naszych usług.

Źródłem światła są wytrzymałe diody LED, które charakteryzują się m.in. dużą energooszczędnością, wydajnością, żywotnością, odpornością na warunki atmosferyczne, temperaturę i wibracje oraz są bezpieczne dla środowiska naturalnego. Ponadto w przeciwieństwie do standardowych źródeł światła diody LED cechuje niska emisja ciepła. Dzięki temu większa ilość dostarczonej energii zostaje wykorzystana do oświetlenia. W przypadku standardowych źródeł światła duża część energii jest zamieniana na ciepło i zostaje zmarnowana do ogrzewania powietrza. Zastosowanie technologii LED znacznie zmniejsza koszty eksploatacyjne związane z wymianą źródeł światła.

Energia elektryczna wyprodukowana przez moduły fotowoltaiczne jest przekazywana do akumulatorów poprzez regulator ładowania. Zmagazynowana energia jest pobierana w nocy do zasilania lampy. Lampy solarne są łatwe w montażu, nie wymagają prowadzenia przewodów i są całkowicie niezależne od tradycyjnej sieci energetycznej.

Oprawa oświetleniowa

Moc źródła światła:	8 W
Strumień świetlny:	640 lm
Barwa światła:	4000K lub 5500K
Oświetlony obszar:	ok. 7,5 m
Napięcie zasilania:	12V DC

Źródło energii

Moduł fotowoltaiczny:	wyprodukowany w EU - 1 szt.
Gwarancja sprawności paneli:	min. 90% - 12 lat; min. 80% - 25 lat

Akumulatory

Typ akumulatorów:	bezobsługowe; żelowe; montowane wewnątrz słupa
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Zarządzanie energią

Czas pracy lampy:	od zmierzchu do świtu
Układ sterowania:	Sterownik mikroprocesorowy z wyłącznikiem zmierzchowym

Budowa

Całkowita wysokość lampy:	ok. 3,6m
Materiały:	Słup stalowy zabezpieczony przed korozją, prefabrykowany fundament pod maszt, klosz z rury poliwęglanowej.

Cechy lamp Jupiter:

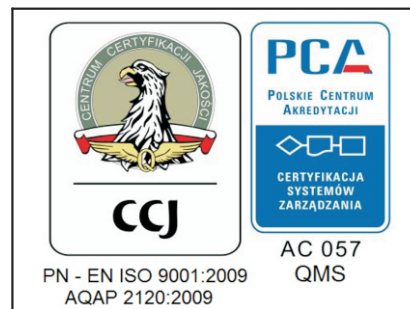
- energooszczędność
- żywotność
- niezależność od standardowej sieci energetycznej
- bardzo niski koszt eksploatacji
- wydajność
- wysoka jakość elementów składowych
- ograniczenie emisji CO₂
- duża odporność na warunki atmosferyczne i wibracje
- indywidualny projekt do każdej aplikacji
- zabezpieczenie przed przeładowaniem oraz nadmiernym rozładowaniem
- wyprodukowano w Polsce
- możliwość uzyskania dotacji

Przykładowe aplikacje:

Parki; ogrody; chodniki; place i skwery; uliczki; alejki; posesje prywatne; parkingi; przejścia dla pieszych; ścieżki rowerowe; przystanki autobusowe; cmentarze; tereny turystyczne i zabytki architektury

UWAGA!

Model opisany powyżej stanowi jedynie przykładową konfigurację. Parametry lamp projektowane są zgodnie z potrzebami i wymaganiami użytkownika oraz warunkami eksploatacji.



Zastrzegamy sobie prawo do zmian bez wcześniejszego powiadomienia. Umieszczone zdjęcia mają charakter wyłącznie orientacyjny.

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