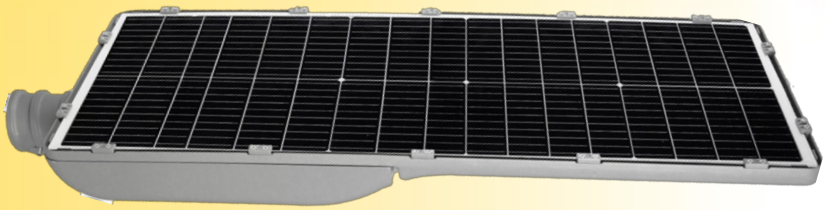
SOLAR LIGHT

2025

elementi

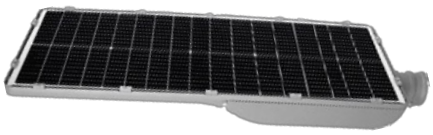


SOLAR DEVICES
OUR PROPOSALS


URBAN EVO AIO

10 ... 40W

Pag. 8

ENBY EVO AIO

S: 10 ... 40W M: 20 ... 75W

Pag. 11

HELIUS EVO AIO

20 ... 75W

Pag. 14

HELIUS AIO

20 ... 60W

Pag. 17




HELIUS KIT

20 ... 75W

Pag. 20

THE ADVANTAGES OF SOLAR LIGHTING

Renewable and sustainable energy

Uses solar energy, a clean and inexhaustible source. Reduces greenhouse gas emissions and environmental impact.

Economic savings

Zero energy costs: solar energy is free. Low operating and maintenance costs: no excavations or complex electrical wiring are required.

Long-term savings: even if the initial cost may be higher, the return on investment is favorable over time.

Independence from the electricity grid

It also works in areas not served by the electricity grid. Ideal for rural, isolated or developing areas.

Quick and easy installation

No need for connections to the electricity grid. It can be installed quickly, with minimal impact on the environment and traffic.

Continuity of service

The lamps are equipped with rechargeable batteries that guarantee lighting even on cloudy days or blackouts. In addition, the adaptive algorithms we have developed ensure adaptive lighting based on the battery charge status.

Greater safety

Constant and reliable lighting even in the event of power outages. Improves road safety and the perception of safety in public places.

OUR CHOICES

ELEMENTI solar devices are designed and engineered using advanced and innovative technologies for the optimized management of solar panels, LEDs, and LiFePo batteries.

Technical solutions that allow us to provide the best performance and reliability in a new renewable energy management strategy.

Thanks to the HC CONTROLLER, designed and built by ELEMENTI, and the adaptive algorithms that we have developed, the solar devices have continuous monitoring of the battery charge status that allows for maximum duration and performance.

All ELEMENTI solar devices integrate the point/point control system with Bluetooth communication that allows the programming of the single light point in the field via the APP_REMOTE CONTROLLER downloadable from stores and from the website www.elementi.it.

Via the APP it is possible to select the OPERATING MODE, the electrical parameters of the lamp (power and night reduction), battery monitoring and local download of the main operating parameters.

With the STAND-ALONE operating mode, ELEMENTI solar devices are able to turn on the lamp up to 1 hour after sunset and turn it off up to 1 hour before sunrise following a twilight pattern that adapts to seasonal variations.

By monitoring the real state of charge, day by day, HC CONTROLLER will choose the maximum possible value for the current in the LEDs to ensure constant operation throughout the night, or as required by the selected ENERGY SAVING mode.

- In AUTOMATIC mode, through an adaptive algorithm, and independent of the chosen operating mode, it is possible to select the service level in terms of minimum days of operation required. The CONTROLELR HC will then adapt the system operation and charge management if necessary to ensure:

A. (0%): use of all the battery charge until it runs out with LED load set to maximum power;
B. (100%): HC autonomously modulates the LEDs to ensure 1 night of system operation;
C. (200%): HC autonomously modulates the LEDs to ensure 2 nights of system operation;
D. (300%): HC autonomously modulates the LEDs to ensure 3 nights of system operation;
E. (400%): HC autonomously modulates the LEDs to ensure 4 nights of system operation;

In PIR (Presence Recognition) mode, it is possible to customize the operating parameters via the APP_REMOTE CONTROLLER:

P10 : 10% fix - 30 ... 60 sec. 100%
P20 : 20% fix - 30 ... 60 sec. 100%
P30 : 30% fix - 30 ... 60 sec. 100%

APP_REMOTE CONTROLLER

DESCRIZIONE

Through the “ELEMENTI REMOTE CONTROLLER” APP installed on mobile devices equipped with BLE (Bluetooth Low Energy) it is possible to program the main parameters of the devices:

Power (W) and/or Lumen;
Energy Saving;
Access level based on the type of user;

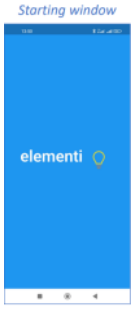
Through the “ELEMENTI REMOTE CONTROLLER” APP it is also possible to access:

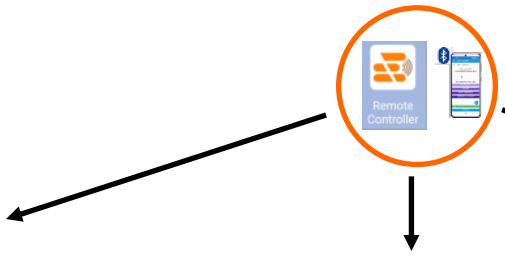
DIAGNOSTIC information;
Perform a firmware UPDATE

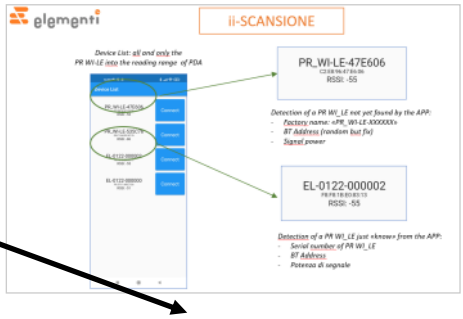
The reception range of the RF receiver, installed inside a lighting fixture, is approximately 10 meters from the programmer.

Programming takes place once the lighting fixtures have been installed and powered, with the possibility of identifying and selecting individual devices via the App, even in multiple installations.

APP
ELEMENTI REMOTE CONTROLLER
available on
GOOGLE PLAY STORE
APPLE STORE



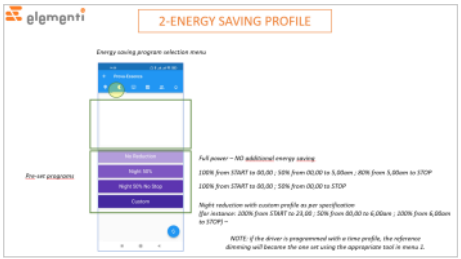


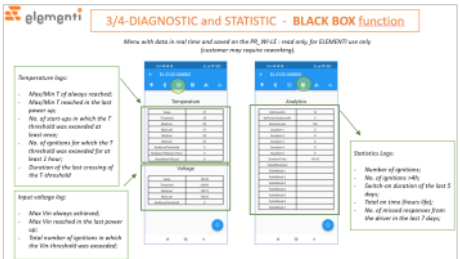


ENBY H
HELIUS-H
ENBY AIO
HELIUS AIO
HELIUS KIT
....

EASY ECO
ESSENZA
URBAN
SQUARE
BASIC - BASIC EVO
R-LED
....

PR WI_LE
PR WI_LE EVO
NEMA_PR WI_LE
PR SENSOR
....





URBAN EVO AIO

elementi

URBAN EVO AIO

DESCRIPTION

URBAN EVO AIO is an innovative photovoltaic lighting device, based on advanced technologies for the optimized management of solar panels, LEDs, and high-temperature batteries for highly configurable energy efficiency installations.

Technical solutions that allow to provide the best performance and reliability in a new renewable energy management strategy. Stand-alone applications and energy-saving installations are the main objective of the URBAN EVO AIO system, its features make it suitable for urban street lighting, pedestrian/cycle paths, parks, car parks and industrial areas.

URBAN EVO AIO is able to turn the lamp on up to 1 hour after sunset and turn it off up to 1 hour before sunrise following a twilight pattern that adapts to seasonal variations.

By monitoring the real state of charge, day by day, URBAN EVO AIO will choose the maximum possible value for the current in the LEDs to ensure constant operation throughout the night, or as required by the selected ENERGY SAVING mode.

URBAN EVO AIO is also available on request in the variant with PIR presence sensor operation.

URBAN EVO AIO is fully configurable in the field via BLE (Bluetooth Low Energy) thanks to the APP_REMOTE CONTROLLER downloadable from Google Play Store and Apple Store on mobile devices with Bluetooth technology. It is possible to program the main operating parameters, such as the LED driving current and the virtual midnight profile.

The reception range is approximately 10 meters LOS from the programming device.

TECHNICAL DATA

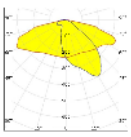
IP 66- Cl. I/II - IK 09 - 50/60Hz - Ta 45°C CE

CODICE	POTENZA (W)	BATTERIA (Wh)	Lm/w @ 4000K	Lm/w @ 3000K	Lm/w @ 2700K	Lm/w @ 2200K
URBAN EVO AIO 40-yy-xx_260	40 ... 10	260	160	155	145	135

yy: 40=4000K 30=3000K 27=2700K 22=2200K

Tutti i dati sono riferiti a 25°C - tolleranza elettrica: ±5% - tolleranza flusso : ± 7%

OPTICS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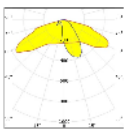
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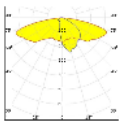
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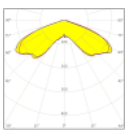
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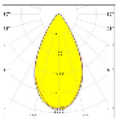
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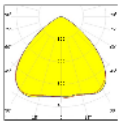

90

Altre fotometrie disponibili su richiesta
Others photometries available on demand

URBAN EVO AIO

Made in Italy

OPERATING MODE and SWITCHING ON

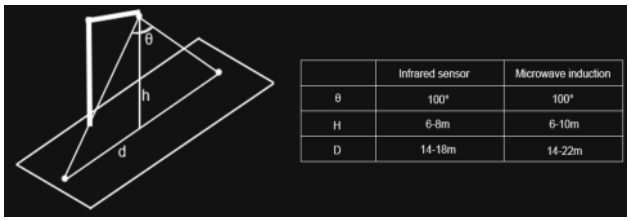
AUTOMATIC MODE

Through an adaptive algorithm, independent of the chosen operating mode, it is possible to select the service level in terms of minimum days of operation required. URBAN EVO AIO will then adapt the system operation and charge management if necessary to ensure:

A. (0%): use of the entire battery charge until it runs out with LED load set to maximum power;
B. (50%): ENBY EVO AIO autonomously modulates the LEDs to ensure 5 hours of system operation;
C. (100%): ENBY EVO AIO autonomously modulates the LEDs to ensure 1 night of system operation; (FACTORY MODE)
D. (150%): HELIUS AIO autonomously modulates the LEDs to ensure 1.5 nights of system operation;
E. (200%): HELIUS AIO autonomously modulates the LEDs to ensure 2 nights of system operation;

PIR MODE:

P10 : 10% fix - 30 ... 120 sec. 100%
P20 : 20% fix - 30 ... 120 sec. 100%
P30 : 30% fix - 30 ... 120 sec. 100%



	Infrared sensor	Microwave induction
θ	100°	100°
H	6-8m	6-10m
D	14-18m	14-22m

COMPONENTS

ADC12 die-cast aluminum body adjustable with very low copper content with excellent thermal, mechanical and anti-rust properties with C5 paint resistant to salt spray.
Can be opened on site without tools with easy access to the replaceable components compartment.
Flat tempered glass extraclear - 4mm;.

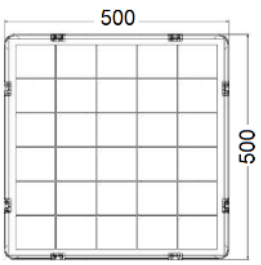
Replaceable LiFePo battery: up to 260Wh high performance with over-temperature protection
sized to be able to guarantee over 3000 discharge cycles.
Life time > 10 years

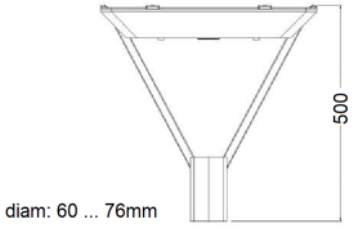
High efficiency MPPT charge controller optimized for LiFePo batteries.
Energy saving with automatic programmable reduction algorithm (Virtual Midnight)
Bluetooth programmability
Battery protection from deep discharges
PIR presence sensor management
5-year warranty

Monocrystalline solar panel with efficiency greater than 22% with a lifespan of over 25 years, ensures a stable current over time, and allows charging even in the presence of clouds.

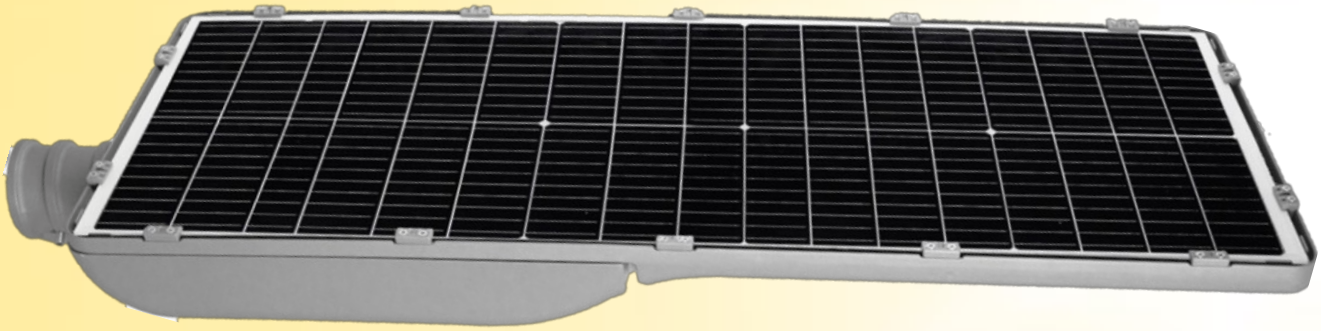
DIMENSIONs

weight: 12 kg
(





ENBY EVO AIO



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ENBY EVO AIO

DESCRIPTION

ENBY EVO AIO is an innovative photovoltaic lighting device, based on advanced technologies for the optimized management of solar panels, LEDs, and high-temperature batteries for highly configurable energy efficiency installations.

Technical solutions that allow to provide the best performance and reliability in a new renewable energy management strategy. Stand-alone applications and energy-saving installations are the main objective of the ENBY EVO AIO system, its features make it suitable for urban street lighting, pedestrian/cycle paths, parks, car parks and industrial areas.

ENBY EVO AIO is able to turn the lamp on up to 1 hour after sunset and turn it off up to 1 hour before sunrise following a twilight pattern that adapts to seasonal variations.

By monitoring the real state of charge, day by day, ENBY EVO AIO will choose the maximum possible value for the current in the LEDs to ensure constant operation throughout the night, or as required by the selected ENERGY SAVING mode.

ENBY EVO AIO is also available on request in the variant with operation via PIR presence sensor.

ENBY EVO AIO is fully configurable in the field via BLE (Bluetooth Low Energy) thanks to the APP_REMOTE CONTROLLER downloadable from Google Play Store and Apple Store on mobile devices with Bluetooth technology. It is possible to program the main operating parameters, such as the LED driving current and the virtual midnight profile. The reception range is approximately 10 meters LOS from the programming device.

TECHNICAL DATA

IP 66- Cl. I/II - IK 09 - 50/60Hz - Ta 45°C CE

CODICE	POTENZA (W)	BATTERIA (Wh)	4000K	3000K	2700K	2200K
ENBY EVO AIO S 40-yy-xx	40 ... 20	230	160	155	145	135
ENBY EVO AIO M 75-yy-xx	75 ... 20	460	160	155	145	135

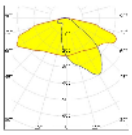
yy: 40=4000K 30=3000K 27=2700K 22=2200K

Tutti i dati sono riferiti a 25°C - tolleranza elettrica: ±5% - tolleranza flusso : ± 7%

OPTICS

Led: Ra > 70

Life time:
L90B10 > 100.000h Ta 25°C



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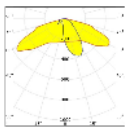

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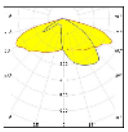

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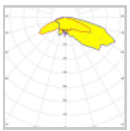

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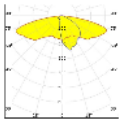

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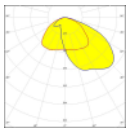

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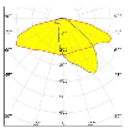


PX

Altre ottiche disponibili su richiesta

ENBY EVO AIO

OPERATING MODE and SWITCHING ON

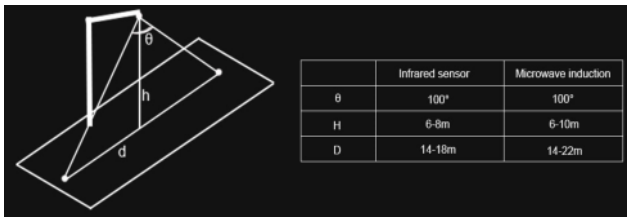
AUTOMATIC MODE

Through an adaptive algorithm, and independent of the chosen operating mode, it is possible to select the service level in terms of minimum days of operation required. HELIUS AIO will then adapt the system operation and charge management if necessary to ensure:

A. (0%): use of the entire battery charge until it runs out with LED load set to maximum power;
B. (50%): ENBY EVO AIO autonomously modulates the LEDs to ensure 5 hours of system operation;
C. (100%): ENBY EVO AIO autonomously modulates the LEDs to ensure 1 night of system operation; (FACTORY MODE)

PIR MODE:

P10: 10% fix - 30 ... 120 sec. 100%
P20: 20% fix - 30 ... 120 sec. 100%
P30 : 30% fix - 30 ... 120 sec. 100%



	Infrared sensor	Microwave induction
θ	100°	100°
H	6-8m	6-10m
D	14-18m	14-22m

COMPONENTS

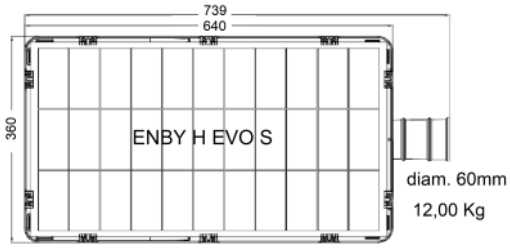
Body in die-cast aluminum ADC12 with very low copper content
with excellent thermal, mechanical and anti-rust properties with C5 paint resistant to salt spray.
Opening without tools
Electrical auxiliary compartment separated from the LED compartment.
Extra-clear flat tempered glass - 4mm;.

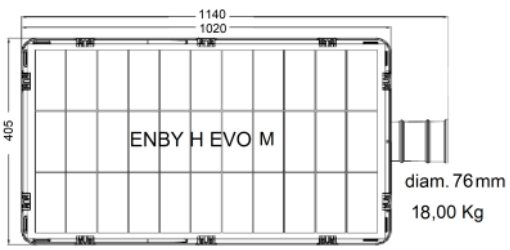
Battery: 230/460Wh LiFePO high performance with overtemperature protection
sized to be able to guarantee over 3000 discharge cycles.
Life time > 10 years

High efficiency MPPT charge controller optimized for LiFePo batteries.
Energy saving with automatic programmable reduction algorithm (Virtual Midnight)
Bluetooth programmability
Battery protection from deep discharges
PIR presence sensor management
5-year warranty

Monocrystalline solar panel with efficiency greater than 22% with a lifespan of over 25 years, ensures a stable current over time, and allows charging even in the presence of clouds.

DIMENSIONS





HELIUS EVO AIO

elementi

HELIUS EVO AIO

DESCRIPTION

HELIUS EVO AIO is an innovative photovoltaic lighting device, based on advanced technologies for the optimized management of solar panels, LEDs, and high-temperature batteries for highly configurable energy efficiency installations.

Technical solutions that allow to provide the best performance and reliability in a new renewable energy management strategy. Stand-alone applications and energy-saving installations are the main objective of the HELIUS EVO AIO system, its features make it suitable for urban street lighting, pedestrian/cycle paths, parks, car parks and industrial areas.

HELIUS EVO AIO is able to turn the lamp on up to 1 hour after sunset and turn it off up to 1 hour before sunrise following a twilight pattern that adapts to seasonal variations.

By monitoring the real state of charge, day by day, HELIUS EVO AIO will choose the maximum possible value for the current in the LEDs to ensure constant operation throughout the night, or as required by the selected ENERGY SAVING mode.

HELIUS EVO AIO is also available on request in the variant with operation via PIR presence sensor.

HELIUS EVO AIO is fully configurable in the field via BLE (Bluetooth Low Energy) thanks to the APP_REMOTE CONTROLLER downloadable from Google Play Store and Apple Store on mobile devices with Bluetooth technology. It is possible to program the main operating parameters, such as the LED driving current and the virtual midnight profile.

The reception range is approximately 10 meters LOS from the programming device.

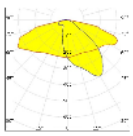
TECHNICAL DATA

IP 66- IK 08 - Ta 45°C CE

CODICE	POTENZA (W)	BATTERIA (Wh)	4000K	3000K	2700K	2200K
HELIUS EVO AIO 75-yy-xx	75 ... 20	690	160	155	145	135

yy: 40=4000K 30=3000K 27=2700K 22=2200K Tutti i dati sono riferiti a 25°C - tolleranza elettrica: ±5% - tolleranza flusso : ± 7%

OPTICS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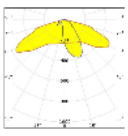
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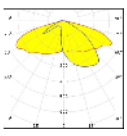
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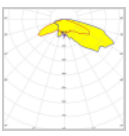
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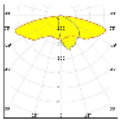
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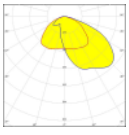
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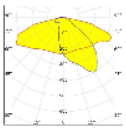

PX

Altre ottiche disponibili su richiesta

HELIUS EVO AIO

Made in Italy

OPERATING MODE and SWITCHING ON

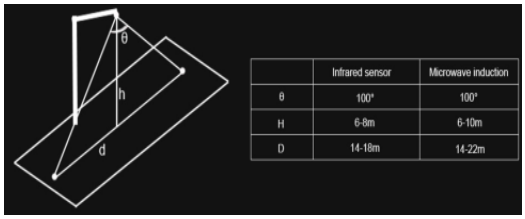
AUTOMATIC Mode

Through an adaptive algorithm, and independent of the chosen operating mode, it is possible to select the service level in terms of minimum days of operation required. If necessary, HELIUS AIO will then adapt the system operation and charge management to ensure:

A. (0%): use of the entire battery charge until it runs out with LED load set to maximum power;
B. (50%): HELIUS AIO autonomously modulates the LEDs to ensure 5 hours of system operation;
C. (100%): HELIUS AIO autonomously modulates the LEDs to ensure 1 night of system operation;
D. (150%): HELIUS AIO autonomously modulates the LEDs to ensure 1.5 nights of system operation;
E. (200%): HELIUS AIO autonomously modulates the LEDs to ensure 2 nights of system operation;
F. (300%): HELIUS AIO autonomously modulates the LEDs to ensure 3 nights of system operation;

PIR Mode:

P10 : 10% fix - 30 … 120 sec. 100%
P20 : 20% fix - 30 … 120 sec. 100%
P30 : 30% fix - 30 … 120 sec. 100%



	Infrared sensor	Microwave induction
θ	100°	100°
H	6-8m	6-10m
D	14-18m	14-22m

COMPONENTI

Color: dusty grey RAL 7037
Body in die-cast aluminum ADC12 with very low copper content with excellent thermal, mechanical and
rust-proof properties with C5 paint resistant to salt spray.
Opening without tools
Electrical auxiliary compartment separated from the LED compartment.
Extra-clear flat tempered glass - 4mm;.
Heat sink: die-cast aluminum integrated into the body
Gasket: silicone
Cable gland: nickel-plated brass IP68
Attachment for pole diam. 60…76 mm.

Battery: 690Wh LiFePO high performance with over-temperature protection sized to be able to guarantee over 3000 discharge cycles.
Life time > 10 years

High efficiency MPPT charge controller
optimized for LiFePo batteries.
Energy saving with automatic programmable reduction algorithm (Virtual Midnight)
Bluetooth programmability
Battery protection from deep discharges
PIR presence sensor management
5-year warranty

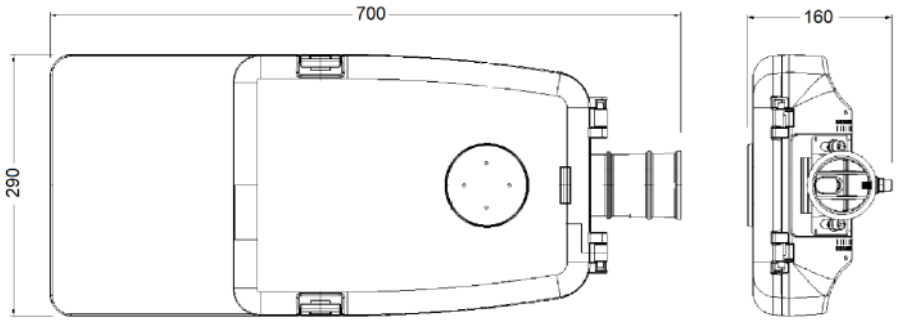
"T" bracket in C5 painted metal resistant to salt spray
Diam. 60 … 76mm

PV 360° orientable
180° tiltable

PV type: 120-330Wp mono-crystalline, specially designed for solar lighting applications.
PV life time > 25 years

DIMENSIONS

PESO: 18 kg
(corpo lampada + staffa + PV 120Wp)



HELIUS AIO

elementi

HELIUS AIO

Made in Italy

DESCRIPTION

HELIUS AIO is an innovative photovoltaic lighting device, based on advanced technologies for the optimized management of solar panels, LEDs, and high-temperature batteries for highly configurable energy efficiency installations.

Technical solutions that allow to provide the best performance and reliability in a new renewable energy management strategy. Stand-alone applications and energy-saving installations are the main objective of the HELIUS AIO system, its characteristics make it suitable for urban street lighting, pedestrian/cycle paths, parks, car parks and industrial areas.

HELIUS AIO is able to turn the lamp on up to 1 hour after sunset and turn it off up to 1 hour before sunrise following a twilight pattern that adapts to seasonal variations.

By monitoring the real state of charge, day by day, HELIUS AIO will choose the maximum possible value for the current in the LEDs to ensure constant operation throughout the night, or as required by the selected ENERGY SAVING mode.

HELIUS AIO is also available on request in the variant with operation via PIR presence sensor.

HELIUS AIO is fully configurable in the field via BLE (Bluetooth Low Energy) thanks to the APP_REMOTE CONTROLLER downloadable from Google Play Store and Apple Store on mobile devices with Bluetooth technology. It is possible to program the main operating parameters, such as the LED driving current and the virtual midnight profile.

The reception range is approximately 10 meters LOS from the programming device.

TECHNICAL DATA

IP 66- IK 08 - Ta 45°C CE

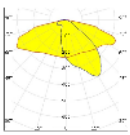
Description	System W	Lm / W	Lumen output
HELIUS-AIO 60-24-yy-xx	60...20	150 max	Da 8088 a 2360lm

System W	Output Lumen 4000K	Lm/w 4000K	Output Lumen 3000K	Lm/w 3000K	Output Lumen 2700K	Lm/w 2700K	Output Lumen 2200K	Lm/w 2200K
20	2968	150	2800	140	2500	125	2360	118
25	3707	149	3475	139	3115	124	2925	117
30	4416	147	4114	137	3690	123	3480	116
35	5120	144	4769	136	4270	122	4025	115
40	5715	142	5400	135	4840	121	4560	114
45	6403	140	6030	134	5400	120	5085	113
50	6972	138	6650	133	5950	119	5600	112
55	7531	136	7150	130	6490	118	6105	111
60	8088	134	7680	128	7020	117	6600	110

yy: 40=4000K 30=3000K 27=2700K 22=2200K

Tutti i dati sono riferiti a 25°C - tolleranza elettrica: ±5% - tolleranza flusso : ± 7%

OPTICS



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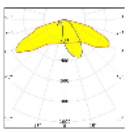

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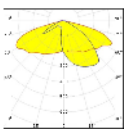

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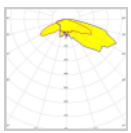
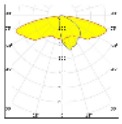


4B



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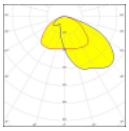

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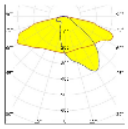


PX

Altre ottiche disponibili su richiesta

HELIUS AIO

Made in Italy

OPERATING MODE and SWITCHING ON

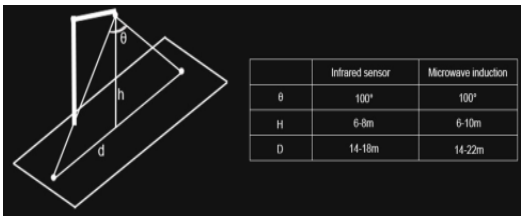
AUTOMATIC Mode

Through an adaptive algorithm, and independent of the chosen operating mode, it is possible to select the service level in terms of minimum days of operation required. If necessary, HELIUS AIO will then adapt the system operation and charge management to ensure:

A. (0%): use of the entire battery charge until it runs out with LED load set to maximum power;
B. (50%): HELIUS AIO autonomously modulates the LEDs to ensure 5 hours of system operation;
C. (100%): HELIUS AIO autonomously modulates the LEDs to ensure 1 night of system operation;
D. (150%): HELIUS AIO autonomously modulates the LEDs to ensure 1.5 nights of system operation;
E. (200%): HELIUS AIO autonomously modulates the LEDs to ensure 2 nights of system operation;
F. (300%): HELIUS AIO autonomously modulates the LEDs to ensure 3 nights of system operation;

PIR Mode:

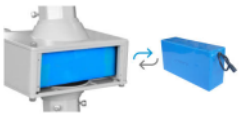
P10 : 10% fix - 30 ... 120 sec. 100%
P20 : 20% fix - 30 ... 120 sec. 100%
P30 : 30% fix - 30 ... 120 sec. 100%



	Infrared sensor	Microwave induction
θ	100°	100°
H	6-8m	6-10m
D	14-18m	14-22m

COMPONENTS

Color: dusty grey RAL 7037
Body in die-cast aluminum ADC12 with very low copper content with excellent thermal, mechanical and rust-proof properties with C5 painting resistant to salt spray.
Diffuser in 4mm extra-clear glass or PC
Heat sink: die-cast aluminum integrated into the body
Gasket: silicone
Cable gland: nickel-plated brass IP68
Attachment for pole diam. 60mm.



Battery: 460Wh LiFePO high performance with over-temperature protection sized to be able to guarantee over 3000 discharge cycles.
Life time > 10 years

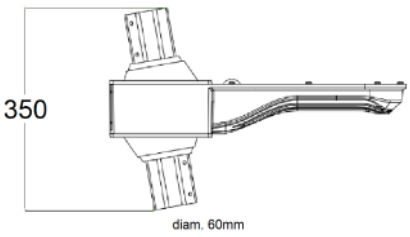
High efficiency MPPT charge controller optimized for LiFePo batteries.
Energy saving with automatic programmable reduction algorithm (Virtual Midnight)
Bluetooth programmability
Battery protection from deep discharges
PIR presence sensor management
5-year warranty

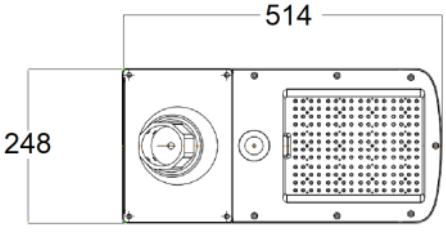
PV 360° orientable
180° tiltable

PV type: 150Wp mono-crystalline, specially designed for solar lighting applications.
PV life time > 25 years

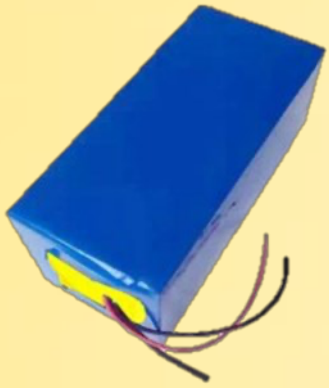
DIMENSIONS

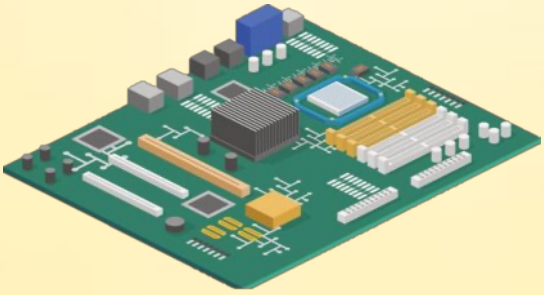
PESO: 18 kg
(corpo lampada + staffa + PV 120Wp)





HELIUS KIT





elementi

HELIUS KIT

DESCRIPTION

HELIUS KIT is an innovative photovoltaic lighting device, based on advanced technologies for the optimized management of solar panels, LEDs, and high-temperature batteries for highly configurable energy efficiency installations.

Technical solutions that allow to provide the best performance and reliability in a new renewable energy management strategy. Stand-alone applications and energy-saving installations are the main objective of the HELIUS KIT system, its characteristics make it suitable for urban street lighting, pedestrian/cycle paths, parks, car parks and industrial areas.

HELIUS KIT is able to turn the lamp on up to 1 hour after sunset and turn it off up to 1 hour before sunrise following a twilight pattern that adapts to seasonal variations.

By monitoring the real state of charge, day by day, HELIUS KIT will choose the maximum possible value for the current in the LEDs to ensure constant operation throughout the night, or as required by the selected ENERGY SAVING mode.

HELIUS KIT is also available on request in the variant with operation via PIR presence sensor.

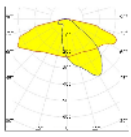
HELIUS KIT is fully configurable in the field via BLE (Bluetooth Low Energy) thanks to the APP_REMOTE CONTROLLER downloadable from Google Play Store and Apple Store on mobile devices with Bluetooth technology. It is possible to program the main operating parameters, such as the LED driving current and the virtual midnight profile.

The reception range is approximately 10 meters LOS from the programming device.

TECHNICAL DATA

Type	PV	Lamp	Charging time	Autonomy
Helius M 100 SA	100	20W	Min 5,5h (NOCT Dubai) 7h (NOCT Rome)	4 nights (Energy saving mode)
Helius M 150 SA	150	40W	Min 3,5h (NOCT Dubai) 5h (NOCT Rome)	2 nights (Energy saving mode)
Helius L 150 SA	150	40W	Min 7h (NOCT Dubai) 10h (NOCT Rome)	4 nights (Energy saving mode)
Helius L 300 SA	300	75W	Min 3,5h (NOCT Dubai) 5h (NOCT Rome)	2 nights (Energy saving mode)

OPTICS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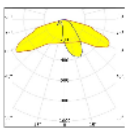
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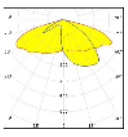
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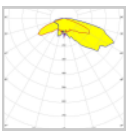
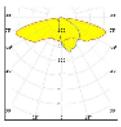

4B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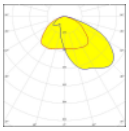
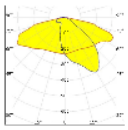

T4


PX

Altre ottiche disponibili su richiesta

HELIUS KIT

OPERATING MODE and SWITCHING ON

AUTOMATIC Mode

Through an adaptive algorithm, and independent of the chosen operating mode, it is possible to select the service level in terms of minimum days of operation required. If necessary, HELIUS AIO will then adapt the system operation and charge management to ensure:

A. (0%): use of the entire battery charge until it runs out with LED load set to maximum power;
B. (50%): HELIUS AIO autonomously modulates the LEDs to ensure 5 hours of system operation;
C. (100%): HELIUS AIO autonomously modulates the LEDs to ensure 1 night of system operation;
D. (150%): HELIUS AIO autonomously modulates the LEDs to ensure 1.5 nights of system operation;
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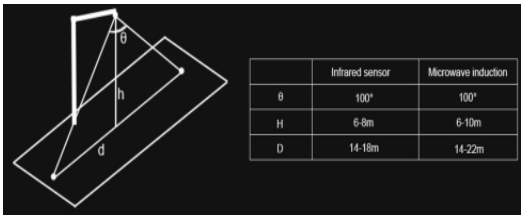
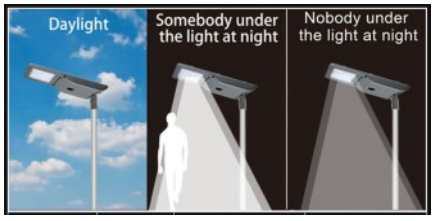
PIR Mode:

P10 : 10% fix - 30 ... 120 sec. 100%
P20 : 20% fix - 30 ... 120 sec. 100%
P30 : 30% fix - 30 ... 120 sec. 100%



	Infrared sensor	Microwave induction
θ	100°	100°
H	6-8m	6-10m
D	14-18m	14-22m



COMPONENTS

Color: Black
Body: Die-cast aluminum
Cable gland: Nickel-plated brass IP68

Battery: 550Wh LiFePO high performance with over-temperature protection sized to be able to guarantee over 3000 discharge cycles.
Life time > 10 years

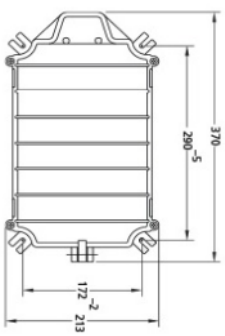
High efficiency MPPT charge controller optimized for LiFePo batteries.
Energy saving with automatic programmable reduction algorithm (Virtual Midnight)
Bluetooth programmability
Battery protection from deep discharges
PIR presence sensor management
5-year warranty

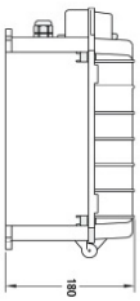
PV type: 100-300Wp mono-crystalline, specially designed for solar lighting applications.
PV life time > 25 years

Compatible with LED devices:

20 ... 96Vdc
0.10—1.00A
10 ... 80W

DIMENSIONS





Contact our technical office for details on the dimensions and weights of the available versions. The pole head can be customized according to the type of installation.

WARRANTY

1. Description and warranty period

Without prejudice to the legal warranty, Elements extends the warranty on manufacturing defects relating to the equipment supplied up to a period of 5 (five) years from the date of sale (invoice). Therefore, the total legal and limited warranty period will be 5 (five) years from the invoice date. The determination whether the product is defective will be made by Elements in its sole discretion, considering the general performance given by the product. A product cannot be considered defective only as a result of a malfunction of the single LED component that emits light, if the number of non-functioning components is less than 10% of the total number of LED components in the product.

The reduction of the luminous flux is a phenomenon expected during the life of the LEDs and is therefore not covered by the warranty.

2. Warranty terms and conditions

The guarantee is valid provided that:

- the products are stored, installed, used and maintained in compliance with the technical specifications indicated in the product marking (with specific reference to the voltage and operating temperature), to the instructions supplied with the product, to what is indicated in the respective catalogs and to the standards in force;

- installation and maintenance are carried out by qualified technical personnel;
- the reported defect affects the functionality of the product;
- the product has not been modified, altered or treated with chemicals or in any other way in any way;
- the product covered by the guarantee is made available to Elements for further technical analysis for the time necessary to carry it out;
- the defect is reported in writing, by certified or registered email with return receipt to Elementi within 30 (thirty) days from the date of receipt of the products (in the case of apparent defects) or from the discovery of the defect (in the case of hidden defects) by sending a photographic feedback of the label on the product;

In the event that the defect is recognized by Elementi, Elementi will choose at its discretion whether to repair or replace the defective product with the same product or an equivalent one, taking into consideration the technical evolution of the products and that of their components. Any technical intervention or replacement (partial or complete) of the product carried out pursuant to the warranty will not in any case give the right to extensions or renewals of the same beyond 5 (five) years from the invoice date. The repair and replacement of the product recognized as defective by Elementi does not include costs or expenses for its removal or reinstallation.

Elementi is not responsible for, and therefore will not reimburse, any consequential loss or indirect, compensatory or other damage suffered due to a defective product, such as, by way of example and not limited to, shipping costs, assembly costs, on-site installation, any downtime costs, loss of profit or overall cost of buyers.

3. Exclusions and limitations

This limited warranty does not cover:

- batteries;

- labor costs and expenses, equipment and warehouse costs and expenses, or any other extra costs relating to and / or resulting from any intervention necessary to repair the defect (such as, by way of example, costs / expenses for assembly, disassembly, and transport of defective appliances, to be repaired or new products which will be the sole responsibility of the customer);

- electrical products subject to wear which are comparable to consumables;
- products made on specific customer request;
- damage to products due to negligence, transportation or unforeseen and unforeseeable events that do not fall within normal conditions of use (such as, for example, electric shock and lightning);
- products switched on for a number of hours per year exceeding 4200;
- appliances not used for the purpose for which they were made;

This warranty does not guarantee the integrity of the painting when the product is used in a saline environment or in the presence of corrosive agents.

In no event Elementi will be liable for accidental, compensatory, consequential, indirect, special or other damages. The liability of Elementi for a defect in the product will in any case be limited to the amount actually paid for that defective product.

The performance and duration of the LEDs are not guaranteed if the fixtures are installed in environments with the presence of chemical substances that are not compatible with the LEDs themselves. Our technical office is available to check the compatibility of the LEDs we use in relation to the substances present in the environment where the luminaires are installed.

4. Technical disputes

In the event of a technical dispute, the parties will submit the disputed product to a contractual appraisal by a third party expert appointed by mutual agreement or, in the absence of an agreement, by the President of the Order of Engineers of the province of Monza and Brianza. The expert's evaluation will be binding on both parties. The costs relating to the aforementioned contractual appraisal will be borne by the parties in an amount of 50% each.

5. Applicable law and jurisdiction

This limited warranty, as well as its execution, interpretation and all questions concerning the validity and effectiveness of the same, will be governed by Italian law and subject to Italian jurisdiction.

Without prejudice to the provisions of point 5, the Court of Monza will have exclusive jurisdiction for all disputes (also of an extra-contractual nature) deriving from, relating to or in any case connected with the guarantee.

“ELECTRONIC & LIGHTING DESIGN FOR SMART & EASY INNOVATION”

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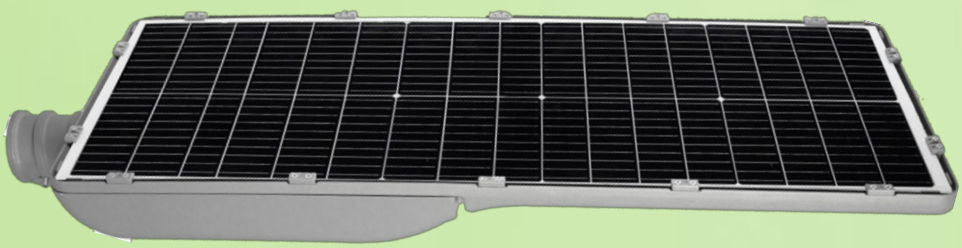
email: info@elementi.it
www.elementi.it

HYBRID LIGHT

2025

elementi

LED LIGHTING WITH
INCREASED EFFICIENCY
HYBRID POWER SUPPLY
GRID AND SOLAR



What is a hybrid technology increased efficiency street light?

ENBY EVO H and URBAN EVO H are HYBRID LED street and urban luminaires with increased efficiency, designed and engineered to maximize ENERGY SAVINGS thanks to SELF-PRODUCED energy from a RENEWABLE source (solar) and stored in batteries.

ENBY EVO H and URBAN EVO H represent the perfect integration between street lighting with mains and solar power.

Thanks to their compact design, which integrates all the components necessary for operation, ENBY EVO H and URBAN EVO H are ideal for both new installations and especially for the 1:1 replacement of existing light points.

Why a hybrid street and urban light?

Because we asked ourselves the question "how is it possible to further improve the efficiency of a LED street light?"

LED technology is mature and is unlikely to have further significant improvements. The only way to improve efficiency is to combine another technology with LED, we thought of SOLAR.

The sun is FREE and is a RENEWABLE, CLEAN energy available to everyone in abundance.

Solar technology applied to lighting has ample room for growth.

The efficiency of HYBRID devices is destined to improve significantly over time.

Safety first!

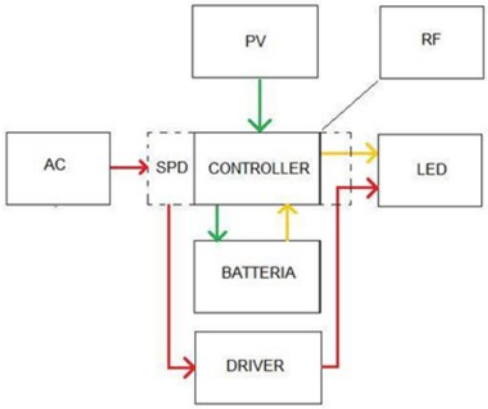
ENBY EVO H and URBAN EVO H are in all respects traditional LED devices powered by the mains, via the DRIVER, which ensures all the functions regardless of the battery charge status.

The automatic MAINS/SOLAR/MAINS switching ensures the operation of ENBY EVO H and URBAN EVO H even in situations where the batteries are not recharging, eliminating the risk of switched off light points.

In the event of battery failure, the CONTINUITY OF SERVICE of ENBY EVO H and URBAN EVO H is ensured by the electrical network.

ENBY EVO H and URBAN EVO H have been designed with two independent power supply circuits from the network and the battery so that any functional anomalies of one or the other power supply circuit ensure CONTINUITY OF SERVICE.

Thanks to the double power supply circuit from the network via LED driver and solar via the HC controller, in the event of an anomaly of one of the components, operation is always guaranteed.



Our pluses

PLUG & PLAY: ideal for 1:1 replacement of existing devices, field opening without tools for quick and easy installation and maintenance;

PROGRAMMABILITY IN THE FIELD: ENBY EVO H and URBAN EVO H integrate PR WILE wireless technology that allows the programming of the light point with the possibility of setting in a simple and intuitive way with the APP _ REMOTE CONTROLLER:
- LUMEN / POWER
- automatic ENERGY SAVING (VIRTUAL MIDNIGHT or TIMING)

BLACK BOX function: records the operating parameters, the hours of switching on, operating temperature, ... in order to allow the diagnostics of the light point.
EMERGENCY function: in the event of a blackout of the power line automatically switches to emergency mode, contributing to maintaining the safety conditions of the roads and citizens.
SOLAR mode: in the event of a lack of network ENBY EVO H and URBAN EVO H self-program in the solar-only operating mode.
LED LONG LIFE: thanks to the double LED circuit, one dedicated to mains operation and one dedicated to battery operation, the hours of operation of the LEDs are reduced compared to a traditional device, extending their life well beyond 20 years, also reducing the decay of the LED itself;
DRIVER LONG LIFE: thanks to the double power circuit, the hours of operation of the driver are reduced compared to a traditional device.
During the life of the product, the replacement of the driver must be planned after 20 years.

Contribution to CO2 reduction

In order to prevent climate change, the European Union has set ambitious targets for the reduction of its greenhouse gas emissions. The EU intends to achieve climate neutrality (zero CO2 emissions) by 2050 and this target is indicated in the European Climate Law, together with the intermediate target of reducing CO2 emissions by 55% by 2030.
To produce one kWh of electricity, on average the equivalent of 2.56 kWh in the form of fossil fuels are burned and consequently approximately 0.65 kg of carbon dioxide is released into the air (2.56 kWh * 0.255 kg/kWh).
Thanks to its high efficiency, ENBY H allows, thanks to its HYBRID technology, to significantly reduce Co2 emissions compared to the most advanced LED devices on the market.

Modello	SAVING YEAR Kwh	REDUCTION EMISSIONS Co2 (Kg)
ENBY H EVO S	85	55
ENBY H EVO M	170	110

THE PAYBACK
20-YEAR MANAGEMENT EXAMPLE

MILAN - NORT ITALY

ENBY EVO H and URBAN EVO H increased efficiency device with 30W system.
Annual power hours: 30W@100% (934.0h) - 15W@50% (3169.5h) – reduction algorithm 22 NO STO 50%
Battery=230Wh (205Wh effective) - PV=45Wp

Milano	G	F	M	A	M	G	L	A	S	O	N	D
RESA mensile (Wh) (dati media DNI 2006-2020 ENEA)	64	104	156	182	203	236	264	222	170	101	60	49
Accumulo effettivo con batteria	64	104	156	182	203	205	205	205	170	101	60	49
Fabbisogno giornaliero	285	247,5	217,5	172,5	135	127,5	135	157,5	195	232,5	270	285

Annual consumption with standard appliance 77.00Kwh x 1000pcs x 20 years = 1,540,000Kwh
Annual consumption with ENBY EVO H S 60-32-yy-xx (30W): 31.20Kwh x 1000pcs x 20 years = 624,000Kwh
ENERGY SAVING: 916,000Kwh

Scheduled maintenance cost: HYBRID appliance (battery and Md0) = STANDARD appliance (driver and MdO)

MILANO Description	**W** (system)	**SAVING 20 years** (gross of the initial investment cost delta)
ENBY EVO H S 60-32-yy-xx	30	Kwh=0,20 Euro x 916.000Kwh - 140K = **SAVING 183.200,00 Euro** Kwh=0,25 Euro x 916.000Kwh - 140K = **SAVING 229.000,00 Euro** Kwh=0,30 Euro x 916.000Kwh - 140K = **SAVING 274.500,00 Euro**

CATANIA - SOUTH ITALY

ENBY EVO H and URBAN EVO H increased efficiency device with 30W system.

Annual power hours: 30W@100% (934.0h) - 15W@50% (3169.5h) – reduction algorithm 22 NO STO 50%
Battery=230Wh (205Wh effective) - PV=45Wp

Catania	G	F	M	A	M	G	L	A	S	O	N	D
Resa mensile (Wh) (dati media DNI 2006-2020 ENEA)	101	133	175	217	261	282	297	260	185	137	100	93
Accumulo effettivo con batteria	101	133	175	205	205	205	205	205	185	137	100	93
Fabbisogno giornaliero	270	247,5	225	187,5	165	142,5	150	165	202,5	240	262,5	270

Annual consumption with standard appliance 77.00Kwh x 1000pcs x 20 years = 1,540,000Kwh
Annual consumption with ENBY EVO H S 30-32-yy-xx (30W): 22.00Kwh x 1000pcs x 20 years = 440,000Kwh
ENERGY SAVING: 1,100,000Kwh

Scheduled maintenance cost: HYBRID appliance (battery and Md0) = STANDARD appliance (driver and MdO)

CATANIA Description	**W** (system)	**SAVING 20 years** (gross of the initial investment cost delta)
ENBY EVO H S 60-32-yy-xx	30	Kwh=0,20 Euro x 1.100.000Kwh - 140K = **SAVING 220.000,00 Euro** Kwh=0,25 Euro x 1.100.000Kwh - 140K = **SAVING 275.000,00 Euro** Kwh=0,30 Euro x 1.100.000Kwh - 140K = **SAVING 330.000,00 Euro**

URBAN EVO H

LED LIGHTING WITH
INCREASED EFFICIENCY
HYBRID POWER SUPPLY
GRID AND SOLAR

elementi

URBAN EVO H - 10...60W

DESCRIPTION

URBAN EVO H is a HYBRID increased efficiency LED street light with mains and solar power designed and engineered to maximize energy savings thanks to SELF-PRODUCED energy from a RENEWABLE source (solar) and stored in the battery.

Thanks to the contribution of the solar component, the average annual efficiency of URBAN EVO H is greater than 215lm/W and is able to reach instantaneous efficiencies > 160lm/W.

URBAN EVO H represents the perfect integration between street lighting with mains and solar power.

Thanks to its compact design and reduced weight, which integrates all the components necessary for operation, URBAN EVO H is ideal for both new installations and the 1:1 replacement of existing light points.

URBAN EVO H is in all respects a traditional LED device powered by the mains via a DRIVER that ensures all its functions regardless of the battery charge status.

The automatic battery/mains switching managed by the HC CONTROLLER controller ensures the operation of URBAN EVO H even in situations where the battery is not recharging, eliminating the risk of the light point being off and guaranteeing the CONTINUITY OF SERVICE of the light point.

The contribution given by battery operation with a circuit separate from the mains power supply allows for a reduction in the annual operating hours of the driver, guaranteeing a life time that is almost double that of traditional LED devices and reducing and/or eliminating scheduled maintenance interventions.

Thanks to the BLACK BOX function that allows the recording of operating parameters, hours of operation, and operating temperature, it is possible to monitor the light point.

URBAN EVO H is also compatible with the PR WILE LITE remote control system by ELEMENTI and with third-party systems thanks to the possibility of integrating NEMA and ZHAGA nodes. (contact the Elementi technical office for further information).

URBAN EVO H is also available on request in the variant with operation via PIR presence sensor.

URBAN EVO AIO is fully configurable in the field via BLE (Bluetooth Low Energy) thanks to the APP_REMOTE CONTROLLER downloadable from Google Play Store and Apple Store on mobile devices with Bluetooth technology. It is possible to program the main operating parameters, such as the LED driving current and the virtual midnight profile.

The reception range is approximately 10 meters LOS from the programming device.

In the event of a power blackout, thanks to the NO PANIC function, the lamp automatically activates in EMERGENCY mode, regulating the power of the LEDs according to the battery charge status, contributing to maintaining the safety conditions of the roads and citizens.

TECHNICAL DATA

IP 66- Cl. I/II - IK 09 - 100-270Vac ± 10% 50/60Hz - Ta 45°C CE

CODE	SYSTEM POWER (W)	SOLAR MODE (W)	BATTERY (Wh)	Lm/w @ 4000K	Lm/w @ 3000K	Lm/w @ 2700K	Lm/w @ 2200K
URBAN EVO H 60-yy-xx_260	60 ... 10	40	260	160	155	145	135

yy: 40=4000K 30=3000K 27=2700K 22=2200K

All data are referred to 25°C - electrical tolerance: ±5% - flow tolerance: ±7%

URBAN EVO H 10...60W

OPERATING MODE and SWITCHING ON

Using the APP_REMOTE CONTROLLER it is possible to select the HYBRID or SOLAR OPERATION mode.

HYBRID: using the APP_REMOTE CONTROLLER it is possible to select the starting mode with MAINS or BATTERY power supply.

A. starting from battery and automatic switching to mains when the battery SOC reaches 10%;
B. starting from mains and switching to battery during ES Energy Saving mode

SOLAR: selectable using the APP_REMOTE CONTROLLER or automatic in the absence of mains.

Switch-on mode:
TWILIGHT or ASTRONOMICAL CLOCK; only HYBRID operating mode;
AUTOMATIC via TWILIGHT of the SOLAR PANEL in both SOLAR and HYBRID operating modes;

COMPONENTS

ADC12 die-cast aluminum body adjustable with very low copper content with excellent thermal, mechanical and anti-rust properties with C5 paint resistant to salt spray.
Can be opened on site without tools with easy access to the replaceable components compartment.
Flat tempered glass extra clear - 4mm;.

Replaceable LiFePo battery: up to 260Wh high performance with overtemperature protection
sized to be able to guarantee over 3000 discharge cycles.
Life time > 10 years

High efficiency MPPT charge controller optimized for LiFePo batteries.
Energy saving with automatic programmable reduction algorithm (Virtual Midnight)
Bluetooth programmability
Battery protection from deep discharges
PIR presence sensor management
5-year warranty

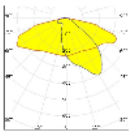
Surge protection level 10/6kV, CM/DM
Over temperature protection Dim to OFF
Energy saving: programmable VIRTUAL MIDNIGHT
Dimming functions: 0-10V IP 40/67- CL. II
SPD 10/20kV on request

Monocrystalline solar panel 40wP with efficiency greater than 22% with a lifespan of over 25 years, ensures a stable current over time, and allows charging even in the presence of clouds.

OPTICS

Led: Ra > 70

Life time:
L90B10 > 100.000h Ta 25°C



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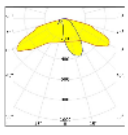

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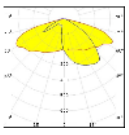

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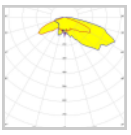

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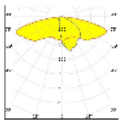

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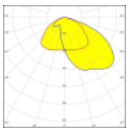

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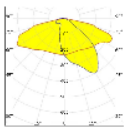

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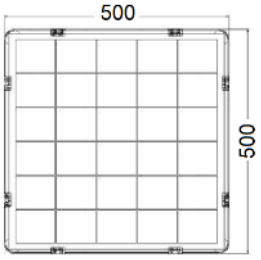
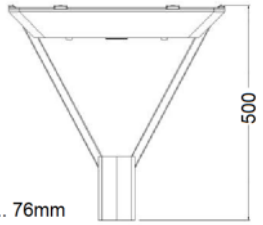
Other optics available on request

DIMENSIONS

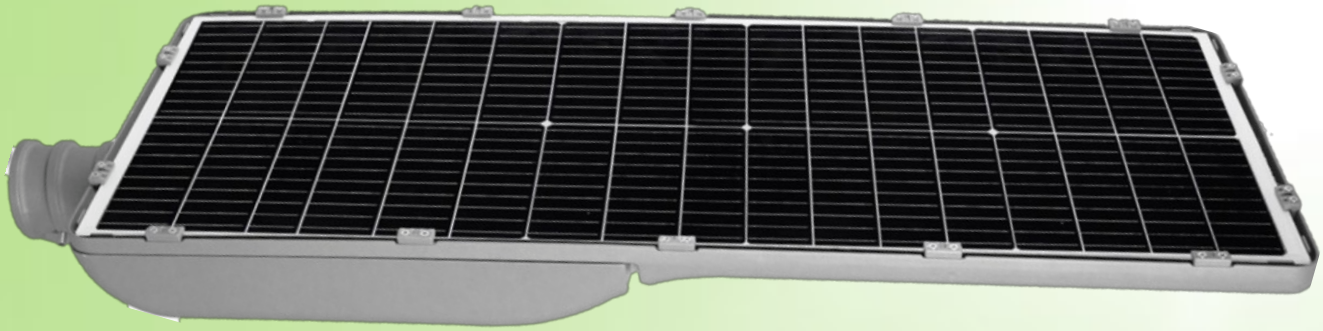
PESO: 12 kg
(corpo lampada + staffa + PV)





ENBY EVO H

LED LIGHTING WITH
INCREASED EFFICIENCY
HYBRID POWER SUPPLY
GRID AND SOLAR



elementi

ENBY EVO H - 10...60/100W

DESCRIPTION

ENBY EVO H is a HYBRID increased efficiency LED street light with mains and solar power designed and engineered to maximize energy savings thanks to SELF-PRODUCED energy from a RENEWABLE source (solar) and stored in the battery.

Thanks to the contribution of the solar component, the average annual efficiency of ENBY EVO H is greater than 215lm/W and is able to reach instantaneous efficiencies > 160lm/W.

ENBY EVO H represents the perfect integration between street lighting with mains and solar power.

Thanks to its compact design and low weight, which integrates all the components necessary for operation, ENBY EVO H is ideal for both new installations and the 1:1 replacement of existing light points.

ENBY EVO H is in all respects a traditional LED device powered by the mains via a DRIVER that ensures all its functions regardless of the charge status of the batteries.

The automatic battery/mains switching managed by the HC CONTROLLER controller ensures the operation of ENBY EVO H even in situations where the battery does not charge, eliminating the risk of the light point being switched off and guaranteeing the CONTINUITY OF SERVICE of the light point.

The contribution given by battery operation with a circuit separate from the mains power supply allows for a reduction in the annual operating hours of the driver, guaranteeing a life time almost double that of traditional LED devices and reducing and/or eliminating scheduled maintenance interventions.

Thanks to the BLACK BOX function that allows the recording of operating parameters, switching hours, and operating temperature, it is possible to monitor the light point.

ENBY EVO H is also compatible with the PR WILE LITE remote control system by ELEMENTI and with third-party systems thanks to the possibility of integrating NEMA and ZHAGA nodes. (contact the Elementi technical office for further information).

ENBY EVO H is also available on request in the variant with operation via PIR presence sensor.

ENBY EVO AIO is fully configurable in the field via BLE (Bluetooth Low Energy) thanks to the APP_REMOTE CONTROLLER downloadable from Google Play Store and Apple Store on mobile devices with Bluetooth technology. It is possible to program the main operating parameters, such as the LED driving current and the virtual midnight profile. The reception range is approximately 10 meters LOS from the programming device.

In the event of a power blackout, thanks to the NO PANIC function, the lamp automatically activates in EMERGENCY mode, regulating the power of the LEDs according to the battery charge status, contributing to maintaining the safety conditions of the roads and citizens.

TECHNICAL DATA

IP 66- Cl. I/II - IK 09 - 100-270Vac ± 10% 50/60Hz - Ta 45°C CE

CODE	SYSTEM POWER (W)	SOLAR MODE (W)	BATTERY (Wh)	4000K	3000K	2700K	2200K
ENBY EVO H S 60-yy-xx	60 ... 20	40	230	160	155	145	135
ENBY EVO H M 100-yy-xx	100 ... 20	75	460	160	155	145	135

yy: 40=4000K 30=3000K 27=2700K 22=2200K

All data are referred to 25°C - electrical tolerance: ±5% - flow tolerance: ±7%

URBAN EVO H 10 ...60/100W

OPERATING MODE and SWITCHING ON

Using the APP_REMOTE CONTROLLER it is possible to select the HYBRID or SOLAR OPERATION mode.

HYBRID: using the APP_REMOTE CONTROLLER it is possible to select the starting mode with MAINS or BATTERY power supply.

A. starting from battery and automatic switching to mains when the battery SOC reaches 10%;
B. starting from mains and switching to battery during ES Energy Saving mode

SOLAR: selectable via the APP_REMOTE CONTROLLER or automatic in the absence of mains.

Switch-on mode:
TWILIGHT or ASTRONOMICAL CLOCK; only HYBRID operating mode;
AUTOMATIC via TWILIGHT of the SOLAR PANEL in both SOLAR and HYBRID operating modes;

COMPONENTI

ADC12 die-cast aluminum body adjustable with very low copper content with excellent thermal, mechanical and anti-rust properties with C5 paint resistant to salt spray.
Can be opened on site without tools with easy access to the replaceable components compartment.
Flat tempered glass extra clear - 4mm;.

Replaceable LiFePo battery: 230Wh (S), 430Wh (M) high performance with over-temperature protection sized to guarantee over 3000 discharge cycles.
Upon request versions with increased battery.

Life time > 10 years

High efficiency MPPT charge controller optimized for LiFePo batteries.
Energy saving with automatic programmable reduction algorithm (Virtual Midnight)
Bluetooth programmability
Battery protection from deep discharges
PIR presence sensor management
5-year warranty

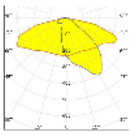
Surge protection level 10/6kV, CM/DM
Over temperature protection Dim to OFF
Energy saving: programmable VIRTUAL MIDNIGHT
Dimming functions: 0-10V IP 40/67- CL. II
SPD 10/20kV on request

Monocrystalline solar panel 45Wp (S) AND 90Wp (M) with efficiency greater than 22% with a lifespan of over 25 years, ensures a stable current over time, and allows charging even in the presence of clouds.

OPTICS

Led: Ra > 70

Life time:
L90B10 > 100.000h Ta 25°C



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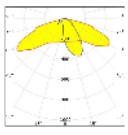

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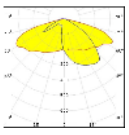

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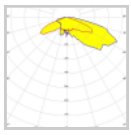

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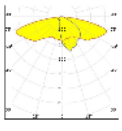

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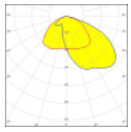

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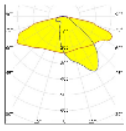

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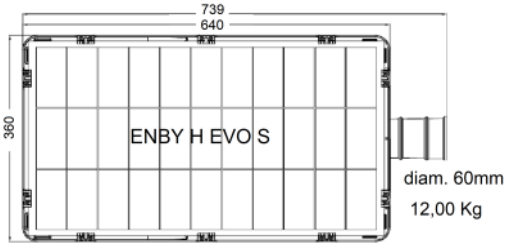
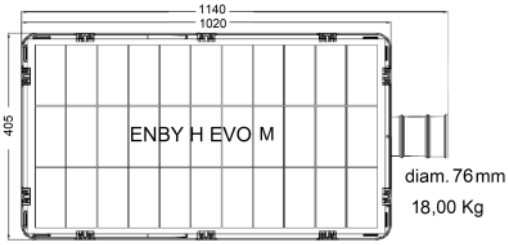
Altre ottiche disponibili su richiesta

DIMENSIONS





REMOTE CONTROL / SMART READY

DIMMING AND CONTROL OPTIONS

The ENBY EVO and URBAN EVO series have been designed to ensure maximum compatibility with the remote control systems on the market.

There are no limits to compatibility with the most advanced control technologies.

The automatic dimming option, VIRTUAL MIDNIGHT, is standard and can be activated and programmed on site via Bluetooth connection and the APP_REMOTE CONTROLLER.

Compatibility with the RADIO system for intelligent lighting control - PR WILE LITE by ELEMENTI




The devices equipped with PR WILE N wireless node can be integrated with the PR WILE LITE wireless remote control system. The devices can also be combined with PR PIR radio presence sensors and PR BS brightness sensors.
Using the APP - REMOTE CONTROLLER it is possible to configure the light point in the field without the need for specialized technicians.

Compatibility with third-party RADIO intelligent lighting control system with NEMA-based 0-10V interface

The remote control nodes with 0-10V interface based on NEMA are compatible with the HC_0-10 controller (optional) of the ENBY EVO and URBAN EVO series.
Only lamp dimming is allowed.

We invite you to contact our Technical Office to evaluate the solution best suited to your needs.

Compatibility with third-party RADIO system for intelligent lighting control with ZHAGA-based D4i interface

The devices equipped with a remote control node with D4i interface based on NEMA are compatible with the HC_D4i controller (optional) of the ENBY EVO and URBAN EVO series.
Only lamp dimming is allowed.

We invite you to contact our Technical Office to evaluate the solution best suited to your needs.

APP_REMOTE CONTROLLER

DESCRIPTION

Through the “ELEMENTI REMOTE CONTROLLER” APP installed on mobile devices equipped with BLE (Bluetooth Low Energy) it is possible to program the main parameters of the devices:

Power (W) and/or Lumen;
Energy Saving;
Access level based on the type of user;

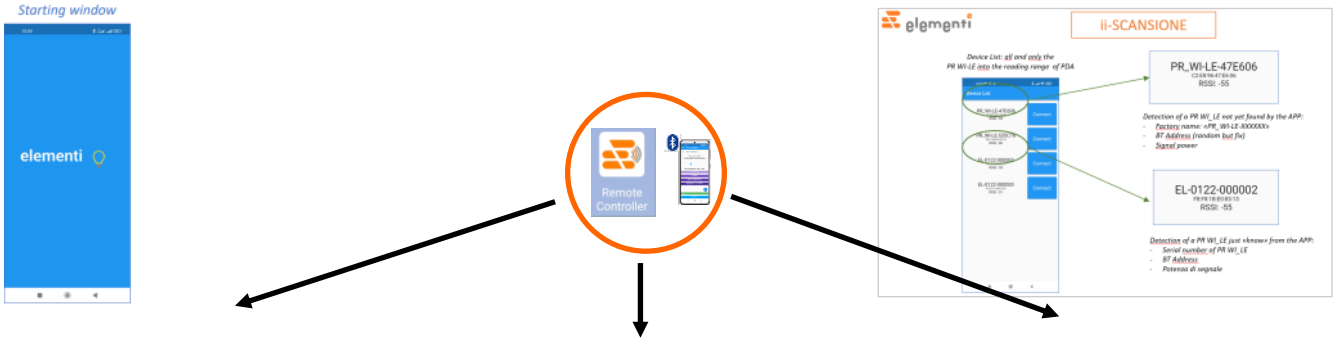
Through the “ELEMENTI REMOTE CONTROLLER” APP it is also possible to access:

DIAGNOSTIC information;
Perform a firmware UPDATE

The reception range of the RF receiver, installed inside a lighting fixture, is approximately 10 meters from the programmer.

Programming takes place once the lighting fixtures have been installed and powered, with the possibility of identifying and selecting individual devices via the App, even in multiple installations.

APP
ELEMENTI REMOTE CONTROLLER
available on
GOOGLE PLAY STORE
APPLE STORE



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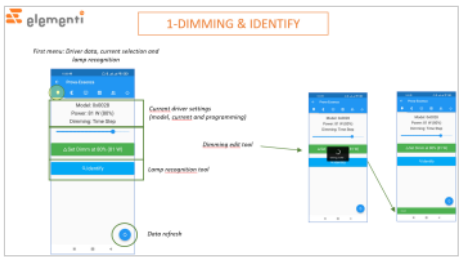
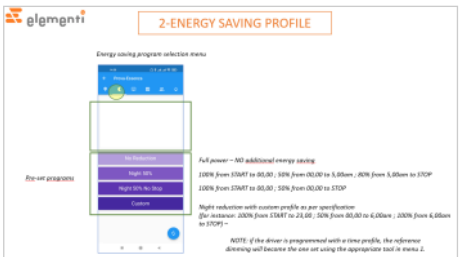
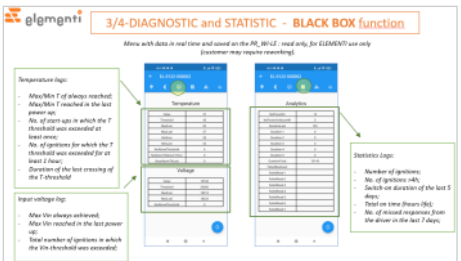






WARRANTY

1. Description and warranty period
Without prejudice to the legal warranty, Elements extends the warranty on manufacturing defects relating to the equipment supplied up to a period of 5 (five) years from the date of sale (invoice). Therefore, the total legal and limited warranty period will be 5 (five) years from the invoice date. The determination whether the product is defective will be made by Elements in its sole discretion, considering the general performance given by the product. A product cannot be considered defective only as a result of a malfunction of the single LED component that emits light, if the number of non-functioning components is less than 10% of the total number of LED components in the product.

The reduction of the luminous flux is a phenomenon expected during the life of the LEDs and is therefore not covered by the warranty.

2. Warranty terms and conditions
The guarantee is valid provided that:

- the products are stored, installed, used and maintained in compliance with the technical specifications indicated in the product marking (with specific reference to the voltage and operating temperature), to the instructions supplied with the product, to what is indicated in the respective catalogs and to the standards in force;

- installation and maintenance are carried out by qualified technical personnel;
- the reported defect affects the functionality of the product;
- the product has not been modified, altered or treated with chemicals or in any other way in any way;
- the product covered by the guarantee is made available to Elements for further technical analysis for the time necessary to carry it out;
- the defect is reported in writing, by certified or registered email with return receipt to Elementi within 30 (thirty) days from the date of receipt of the products (in the case of apparent defects) or from the discovery of the defect (in the case of hidden defects) by sending a photographic feedback of the label on the product;

In the event that the defect is recognized by Elementi, Elementi will choose at its discretion whether to repair or replace the defective product with the same product or an equivalent one, taking into consideration the technical evolution of the products and that of their components. Any technical intervention or replacement (partial or complete) of the product carried out pursuant to the warranty will not in any case give the right to extensions or renewals of the same beyond 5 (five) years from the invoice date. The repair and replacement of the product recognized as defective by Elementi does not include costs or expenses for its removal or reinstallation.

Elementi is not responsible for, and therefore will not reimburse, any consequential loss or indirect, compensatory or other damage suffered due to a defective product, such as, by way of example and not limited to, shipping costs, assembly costs, on-site installation, any downtime costs, loss of profit or overall cost of buyers.

3. Exclusions and limitations
This limited warranty does not cover:

- batteries;

- labor costs and expenses, equipment and warehouse costs and expenses, or any other extra costs relating to and / or resulting from any intervention necessary to repair the defect (such as, by way of example, costs / expenses for assembly, disassembly, and transport of defective appliances, to be repaired or new products which will be the sole responsibility of the customer);

- electrical products subject to wear which are comparable to consumables;
- products made on specific customer request;
- damage to products due to negligence, transportation or unforeseen and unforeseeable events that do not fall within normal conditions of use (such as, for example, electric shock and lightning);
- products switched on for a number of hours per year exceeding 4200;
- appliances not used for the purpose for which they were made;

This warranty does not guarantee the integrity of the painting when the product is used in a saline environment or in the presence of corrosive agents.

In no event Elementi will be liable for accidental, compensatory, consequential, indirect, special or other damages. The liability of Elementi for a defect in the product will in any case be limited to the amount actually paid for that defective product.

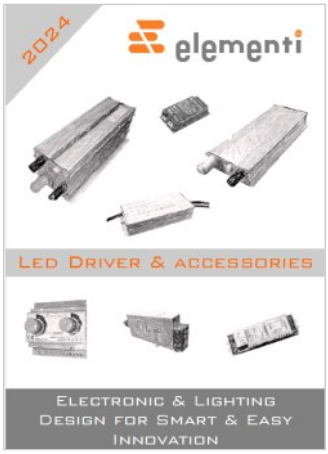
The performance and duration of the LEDs are not guaranteed if the fixtures are installed in environments with the presence of chemical substances that are not compatible with the LEDs themselves. Our technical office is available to check the compatibility of the LEDs we use in relation to the substances present in the environment where the luminaires are installed.

4. Technical disputes
In the event of a technical dispute, the parties will submit the disputed product to a contractual appraisal by a third party expert appointed by mutual agreement or, in the absence of an agreement, by the President of the Order of Engineers of the province of Monza and Brianza. The expert's evaluation will be binding on both parties. The costs relating to the aforementioned contractual appraisal will be borne by the parties in an amount of 50% each.

5. Applicable law and jurisdiction
This limited warranty, as well as its execution, interpretation and all questions concerning the validity and effectiveness of the same, will be governed by Italian law and subject to Italian jurisdiction.

Without prejudice to the provisions of point 5, the Court of Monza will have exclusive jurisdiction for all disputes (also of an extra-contractual nature) deriving from, relating to or in any case connected with the guarantee.

“ELECTRONIC & LIGHTING DESIGN FOR SMART & EASY INNOVATION”



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