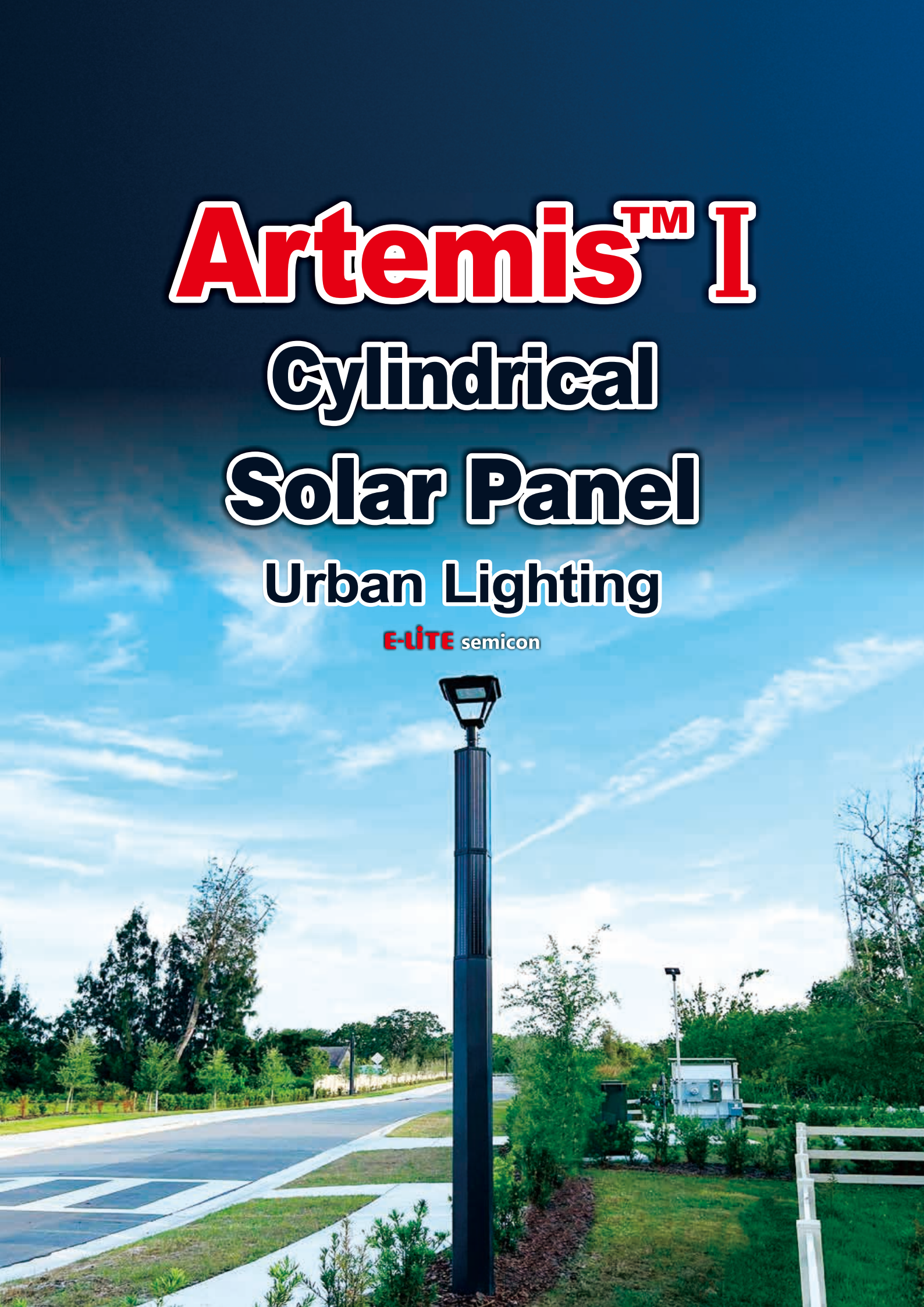
Artemis™ I

Cylindrical Solar Panel

Urban Lighting

E-LITE semicon



VERTICAL
SOLAR PANEL MODULES

A monocrystalline solar panel is a solar panel comprising monocrystalline solar cells. Monocrystalline solar panels usually have the highest efficiency and power capacity out of all types of solar panels. Monocrystalline panel efficiencies can range from 18% to 22%.

E-Lite has devised the method of restructure these solar panels in a new way. Through this method, the highly efficient crystalline silicon solar cells can be flexible mount on the pole as the vertical modules that always captures sunlight at an optimal angle, therefore maximizing power generation.

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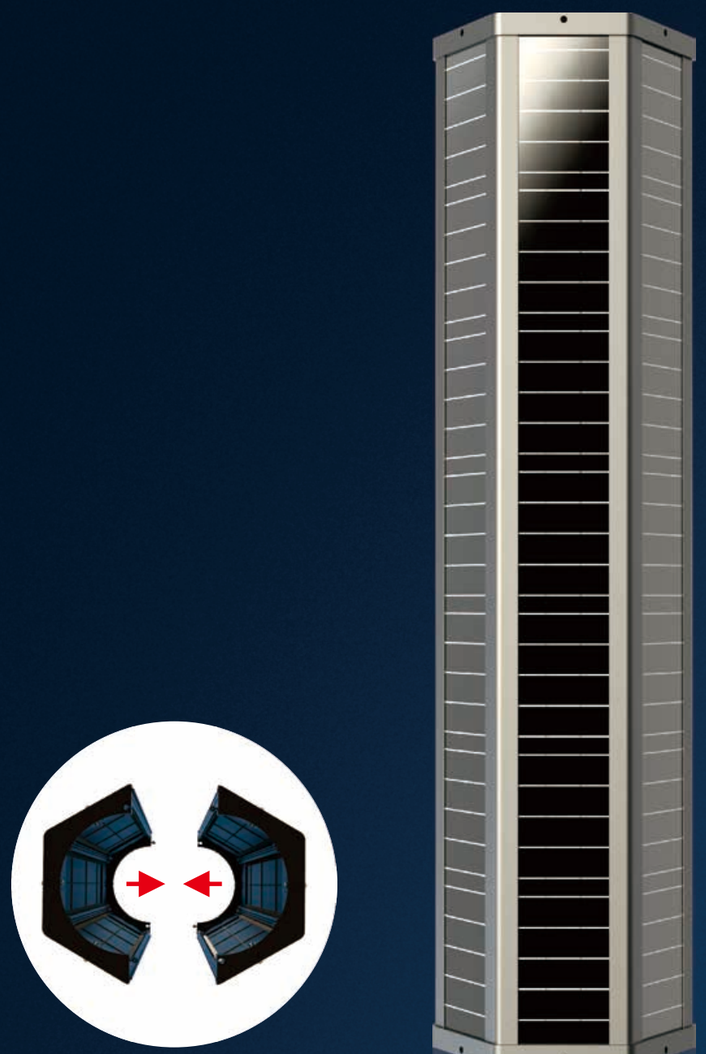

360° Full day charging

6 slim solar sections are fixed tightly onto a hexagon frame which ensures 50% of solar panel will face sunshine at any time of the day no onsite orientation is needed.

Modular installation

The cylindrical solar PV module is based on modular design concept for easy installation and maintenance.

Design aesthetics

The module system is the real answer to design aesthetics, providing a compact and fully integrated green energy solution to the pole.

Strong wind resistance

The cylindrical design reduces the wind load area and each module is directly fastened to the pole by 12 screws for better wind resistance. Ideal for very windy regions.

Anti snow covering

Vertical solar PV modules are mounted vertically, preventing build up of snow and dirt. This ensures that enough power can be generated even in very snowy climates.

Easy to clean

Less dust will fall on the surface than on a regular solar panel. Maintenance workers can clean it easily standing on the ground with an extending low-pressure hose brush or spray cleaner. This results in higher work efficiency and reduced maintenance cost.

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THE STYLISH LANTERN FOR URBAN SPACE

With its stylish appearance and soft glow,
Festa II creates a elegant and gentle air for all kinds of city activities,
be it jogging, driving, shopping or socializing.

As a versatile outdoor lighting solution,
Festa II fits seamlessly into any urban setting with
a range of installation options - pole-top, catenary and suspension.

Private sites

Building surrounds

Parks, promenades & pathways

Urban & residential streets

Car park

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PERFORMANCE

	20W
	140lm/W
LEDS	Philips Lumileds
DIM	PIR & Microwave & Timer Dimming
Control	MPPT Controller
PF	0.95 min
	Sosen
CRI	⩾70
CCT	4500~5500K (2500~5500K optional)
100K	L70>100,000hours
IES	70x140° / 70x150° / 95x150° / 120°
	IP66
IK	IK09
	3G Vibration
	Operating Temperature:-45°C to +45°C (-49°F to 113°F) Storing Temperature:-45°C to +80°C (-49°F to 176°F)

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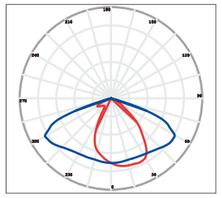
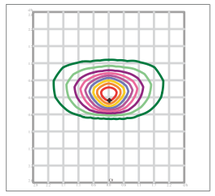
PHOTOMETRICS

70x140° (TYPE Ⅱ-S)

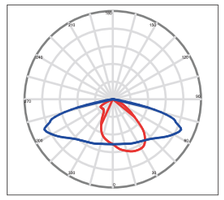


0.0~180.0
90.0~270.0

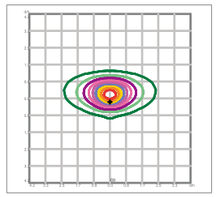


Mount Height(m): 6

70x150° (TYPE Ⅱ-M)

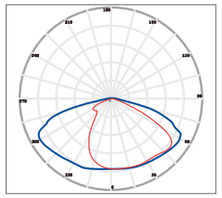


0.0~180.0
90.0~270.0

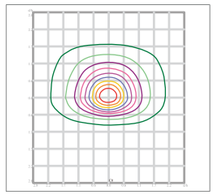


Mount Height(m): 8

95x150° (TYPE Ⅱ-S)

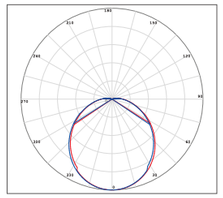


0.0~180.0
90.0~270.0

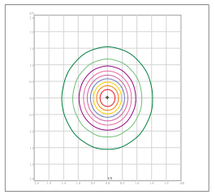


Mount Height(m): 6

120° (TYPE Ⅴ)



0.0~180.0
90.0~270.0



Mount Height(m): 6

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SPECIFICATIONS

Light Fixture

Part#	Power	Efficacy (IES)	Total Lumen	Solar Panel	Battery	Light Fixture	
						N.W	Product Dimensions
EL-UBFT Ⅱ-20	20W	140lm/W	2,800lm	100W/18V 2pcs	42AH/12.8V	8.2kg	470×420×525mm

Solar Modules

Solar Panel	N.W	Product Dimensions
100W/18V	13.4kg	310×274×980

Battery

Battery	N.W	Product Dimensions
42AH/12.8V	5.5kg	330×148×75mm

4-6m steel hexagonal pole: thickness 3mm, diameter 219mm.

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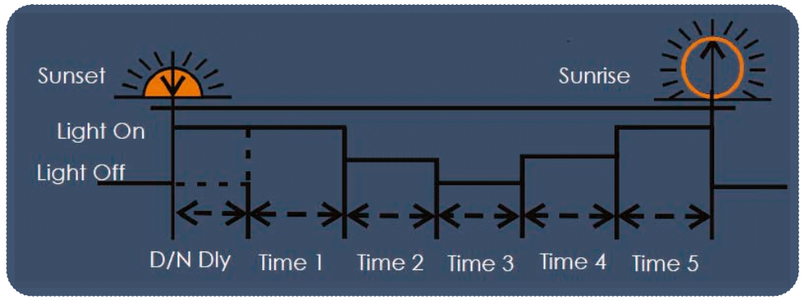
SOLAR CONTROLLER - B

Regular MPPT Controller

Five-Stage Mode

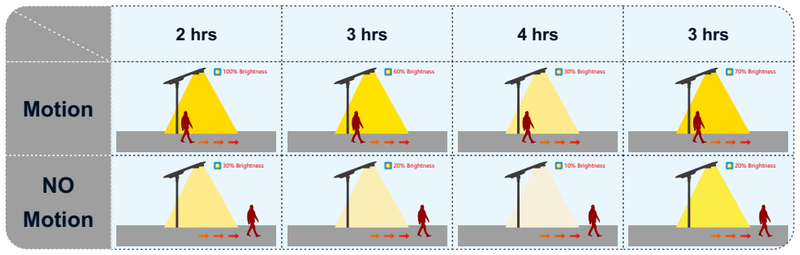
The lamps lighting divide into 5 stage, each stage time and dim can be setting according to demands. With diming setting, it is an efficient way to save energy, and keep the lamp working in best power and time.



Motion Sensor Mode

Motion: 2 hrs-100%; 3 hrs-60%; 4 hrs-30%; 3 hrs-70%;

Without Motion: 2 hrs-30%; 3 hrs-20%; 4 hrs-10%; 3 hrs-20%;



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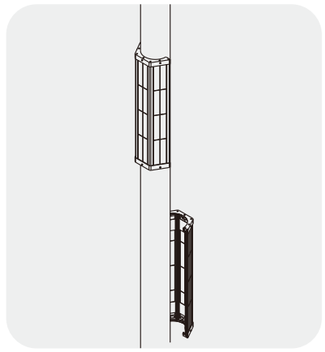
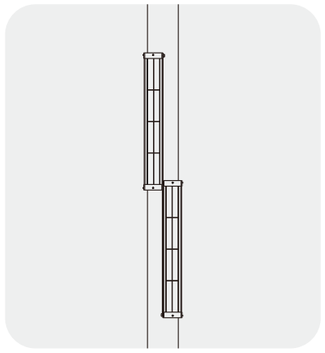
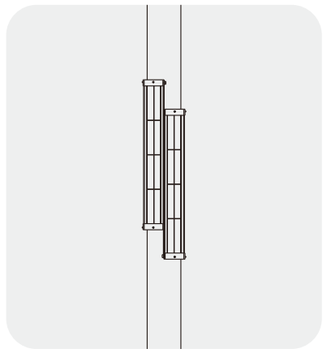
INSTALLATION



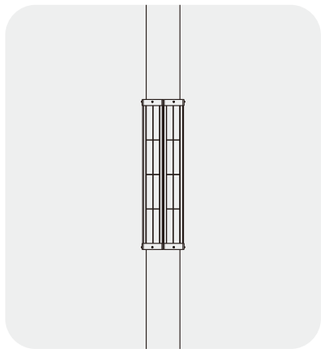
Step 1.
Put one solar panel onto the pole.



Step 2.
Put the other solar panel onto the opposite of the pole.



Step 3.
Move the solar panels to make the two panels meet well.



Step 4.
Firm the screw.

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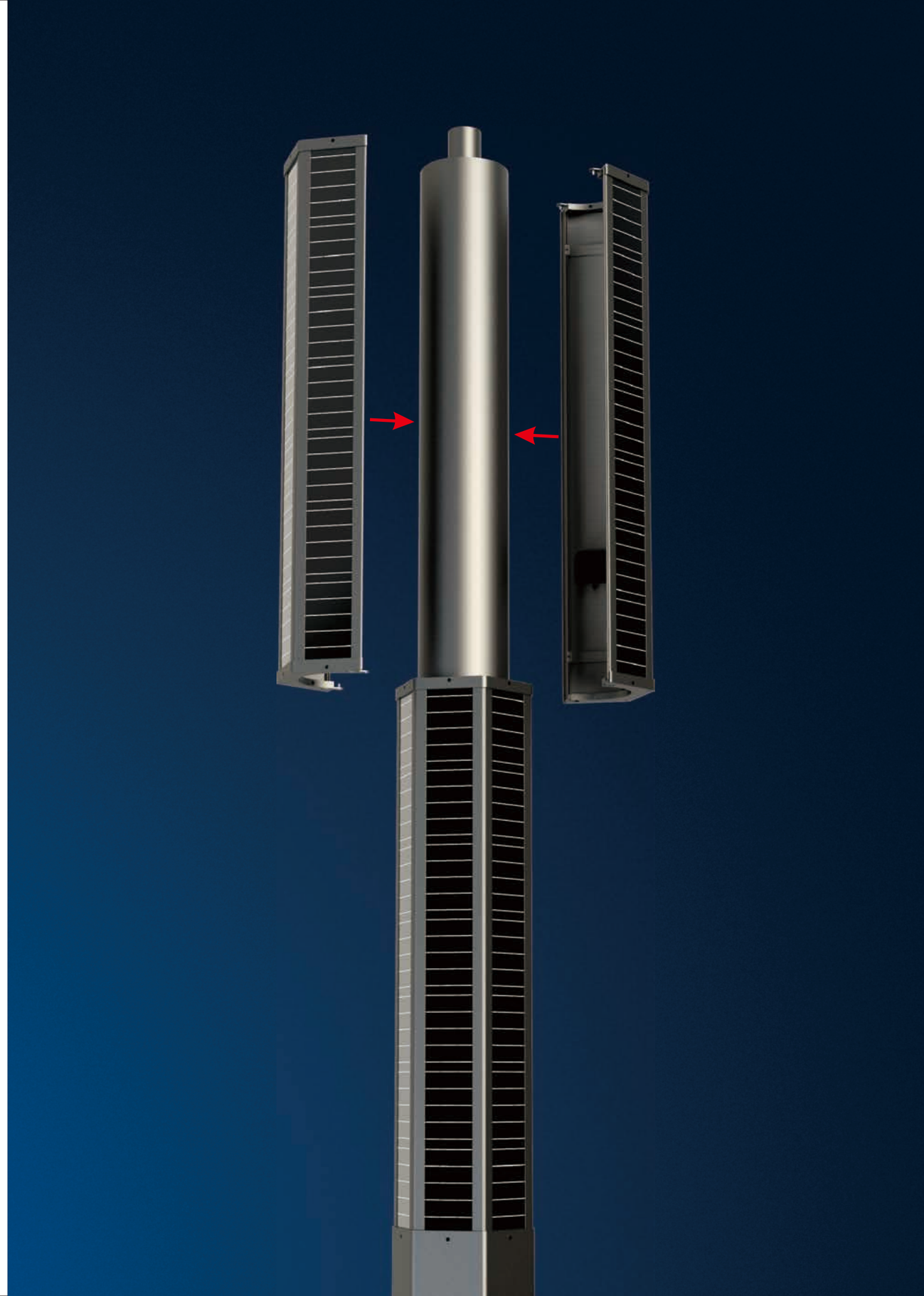

A FUTURE PROOF SOLUTION

Smart City

iNET™ Intelligent Lighting Monitor & Control System is a cloud based wireless smart system designated for lighting management.

With gateways + control node., iNET™ System monitors lights performance status, collects operation data, controls lights on/off or dimming, and sends alarm in case of fault detected.

System & Hardwares

Automatic Light On/Off & Dimming Control
- By time setting
- On/off or dimming with motion sensor detection
- On/off or dimming with photocell detection

Accurate Operation & Fault Monitor
- Real-time monitor on each light working status
- Accurate report on fault dectected
- Provide location of fault, no patrol required
- Collect each light operation data, such as voltage, current, power consumption

Extra I/O Ports for Sensor Expandability
- Environment Monitor
- Traffic Monitor
- Security Surveillance
- Seismic Activities Monitor

Reliable Mesh Network
- Self proprietary wireless control node
- Reliable node to node, gateway to node communication
- Up to 1000 nodes per network
- Max. network diameter 2000m

Easy-to-use Platform
- Easy monitor on each and all lights status
- Support lighting policy remote set-up
- Cloud server accessible from computer or hand held device

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