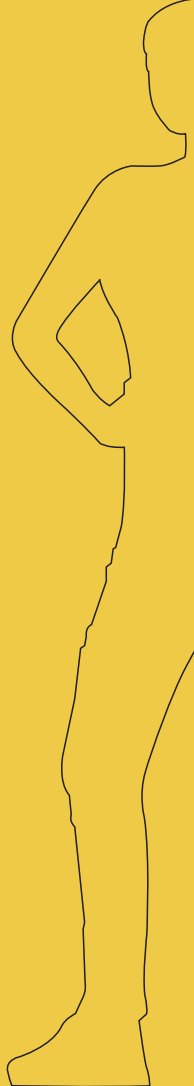


smart pole 2.0

K-LITE
INDIA



Smart poles can also improve public safety by incorporating security cameras and emergency communication systems. These cameras can monitor public spaces and alert authorities in case of suspicious activity or emergencies. In addition, smart poles can include emergency call buttons and public address systems that allow citizens to quickly report incidents or receive important information.

Integrating smart poles into urban infrastructure can revolutionize the way we interact with our cities. Smart poles are essentially street lights equipped with advanced technology, such as sensors, cameras, and wireless connectivity. By integrating these technologies into a single pole, cities can gather real-time data, improve public safety, and optimize energy consumption.

A "smart pole" is a type of utility pole that is equipped with a range of advanced technologies to support the development of smart cities. These poles can be used to host a variety of smart city infrastructure, such as street lighting, Wi-Fi hotspots, environmental sensors, traffic monitoring devices and more. By integrating these technologies into a single pole, a smart pole can help cities to more efficiently manage their infrastructure and provide a range of services to residents.

Customized your own pole column
as per your Landscape design |
City beatification | Architectural needs

8 —
7 —
6 —
5 —
4 —
3 —
2 —
1 —

M

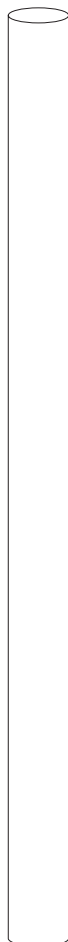
K6

K5

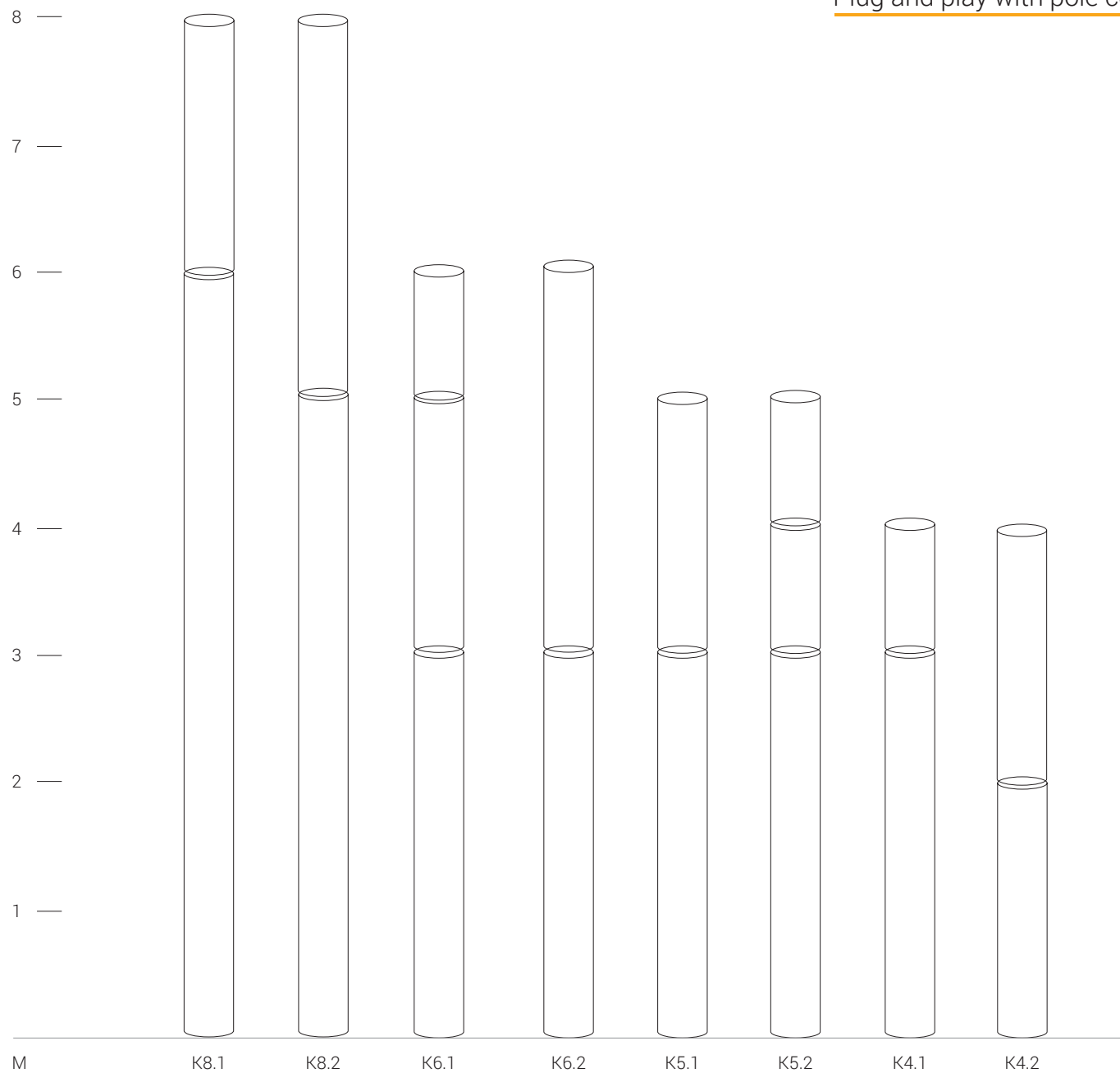
K3

K2

K1



Plug and play with pole column



Ordering Guide

1. LIGHT		
• Street Light (Pendant type)		
Single Arm		PS
Double Arm		PD
Asymmetrical Arm		PA
• Street Light (Side mounting)		
Single Arm		SS
Double Arm		SD
Asymmetrical Arm		SA
• Pathway Luminaires		
Single Arm		PWS
Double Arm		PWD
• Post Top Luminaires		PT
• Projector		PR
• Side Light		SL
• Special ...		

2. CAMERA		
• Dome Camera		DC
• Bullet Camera		BC
• PTZ Camera		PC
• Special ...		

3. SIGNAGE		
• Electronic		
Single Arm - Single Side		VSS
Single Arm - Double Side		VSD
Double Arm - Single Side		VDS
Double Arm - Double Side		VDD
• Back Lit		
Single Arm - Single Side		BSS
Single Arm - Double Side		BSD

Double Arm - Single Side		BDS
Double Arm - Double Side		BDD
• Non Lit		NL
• Special ...		

4. Wi-Fi		
• Enclosed		WE
• Non Enclosed		WN
• Special ...		

5. SPEAKER		
• Enclosed		SE
• Non Enclosed		SN
• Special ...		

6. SENSOR		
• Pedestrian		P
• Motion Sensor		M
• Daylight Sensor		D
• Panic Alarm		A
• Special ...		

7. EV		
• Enclosed		EVE
• Non Enclosed		EVN
• Special ...		

8. CONNECTIVITY		
• Nema		N
• Special ...		

ID : KL-4565

Height (m)	Block	Nema	Light	Camera	Signage	Wi-Fi	Speaker	Sensor	EV
K8.1	K6+K2	◆	◆	◆	◆	◆	◆	◆	◆
K8.2	K5+K3	◆	◆	◆	◆	◆	◆	◆	◆
K6.1	K3+K2+K1	◆	◆	◆	◆	◆	◆	◆	◆
K6.2	K3+K3	◆	◆	◆	◆	◆	◆	◆	◆
K5.1	K3+K2	◆	◆	◆	◆	◆	◆	◆	◆
K5.2	K3+K1+K1	◆	◆	◆	◆	◆	◆	◆	◆
K4.1	K3+K1	◆	◆	◆				◆	◆
K4.2	K2+K2	◆	◆	◆				◆	◆

Ordering Guide :

Height (m)	Nema	Light	Camera	Signage	Wi-Fi	Speaker	Sensor	EV
K8.1	N	PS	DC	VSS	WE	SE	P	EVE

Eg.: KL-4565 K8.1 N PS DC VSS WE SE P EVE

Note : Camera, Signage, Wi-fi, Speaker, Sensor & EV are not supplied by K-Lite and need to order separately.



Some of the key benefits of a smart pole include :

- Improved public safety : Smart poles can be equipped with cameras and other sensors to monitor for potential safety hazards and improve emergency response times.
- Increased energy efficiency : Smart poles can be equipped with LED lighting and motion sensors to reduce energy consumption.
- Enhanced connectivity : Smart poles can provide Wi-Fi hotspots and support for other wireless technologies to improve connectivity in urban areas.
- More efficient infrastructure management : By integrating a variety of technologies into a single pole, cities can more easily manage their infrastructure and reduce the need for multiple installations.



- Clean and sleek form factor
- Minimal visible hardware

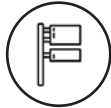


- Area light / Facade light / Walkaway light
- Street light

Luminaires on top layer



- Safety and Security camera @ 360 degree
- Connected with centralized control room



- Signage



- Hotspot

Middle layer



- PA System



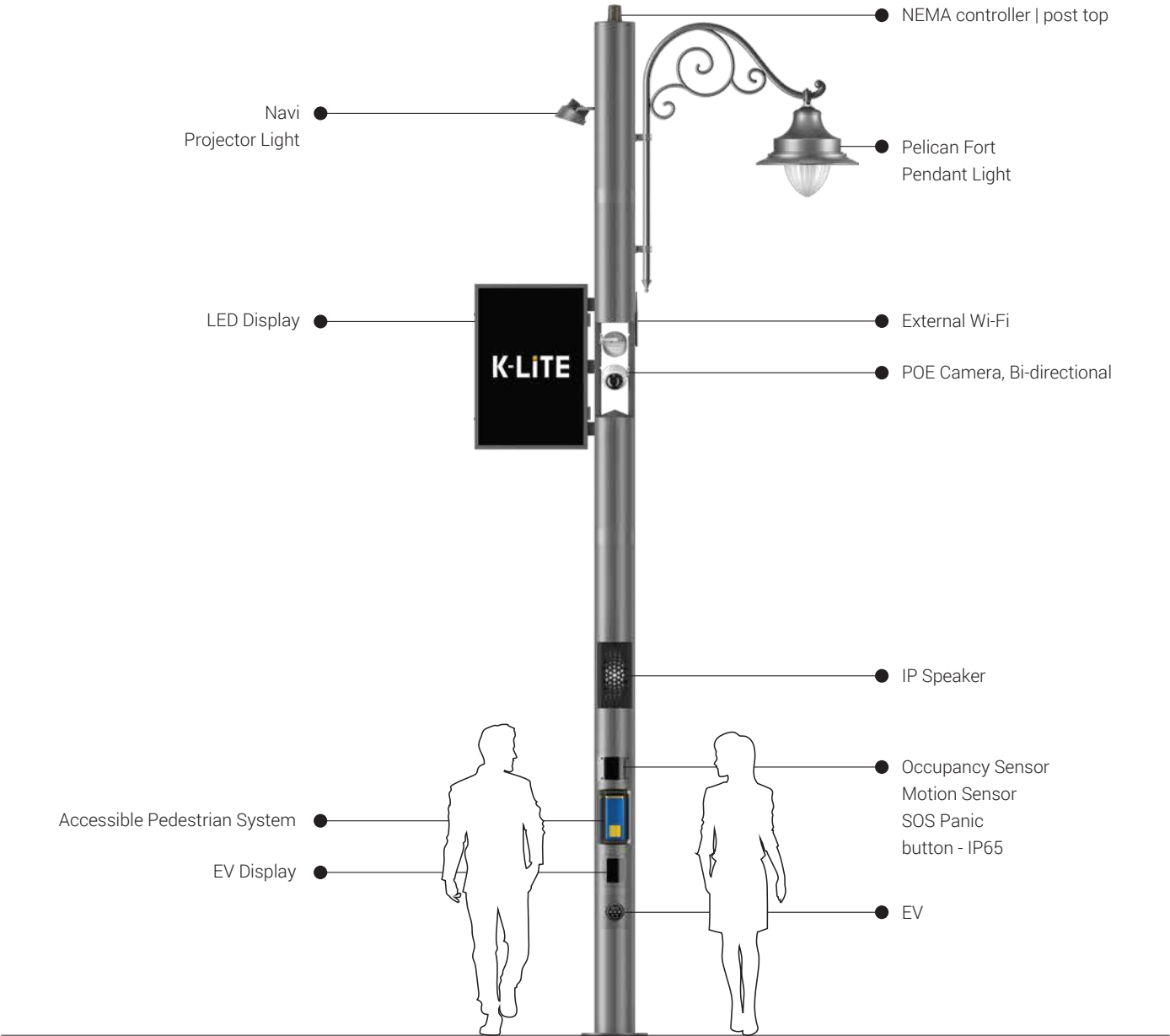
- Signal touch sensor button
- Motion sensor / Occupancy sensor
- Day light sensor



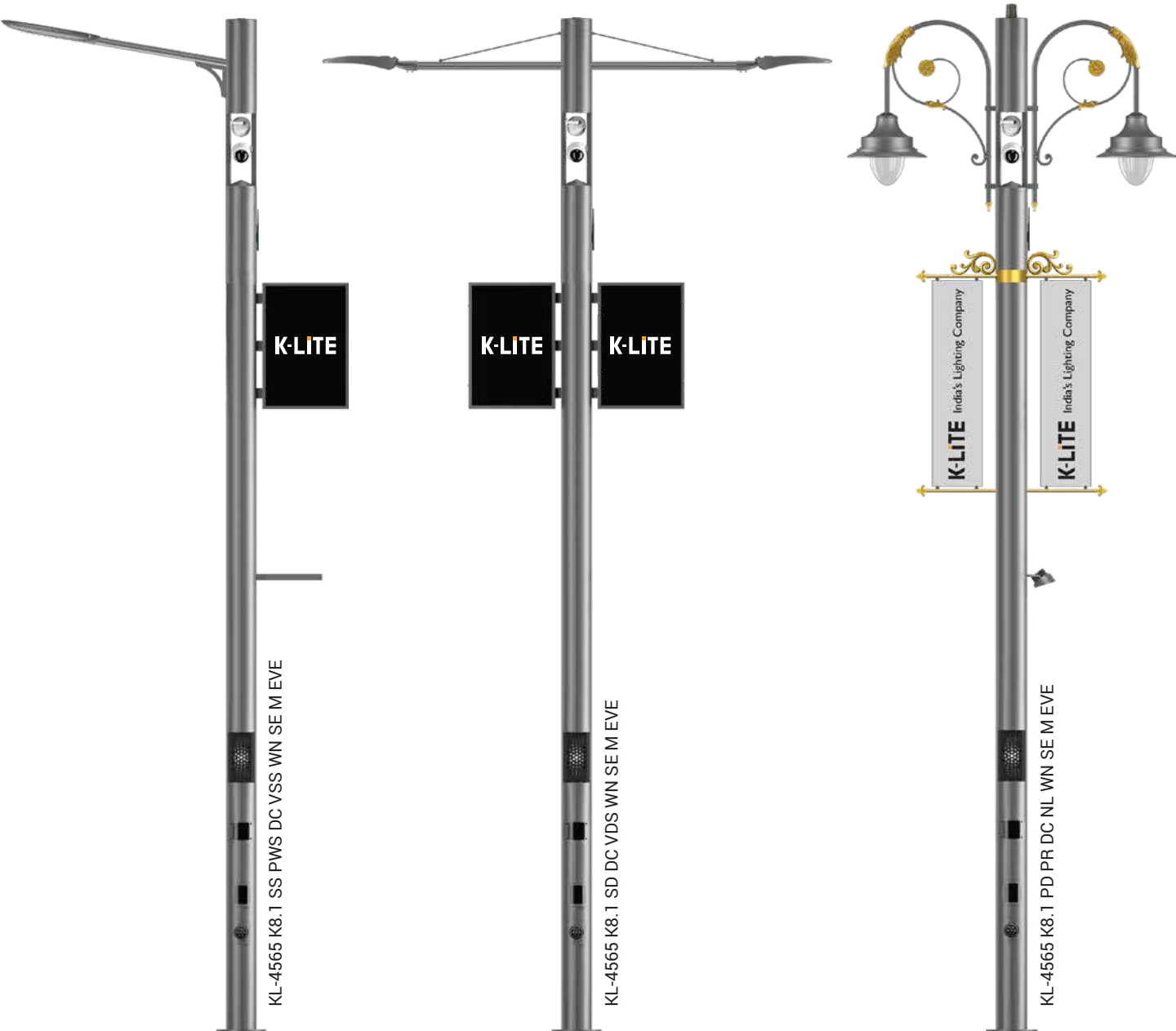
- Charging point for car
- Charging of bike

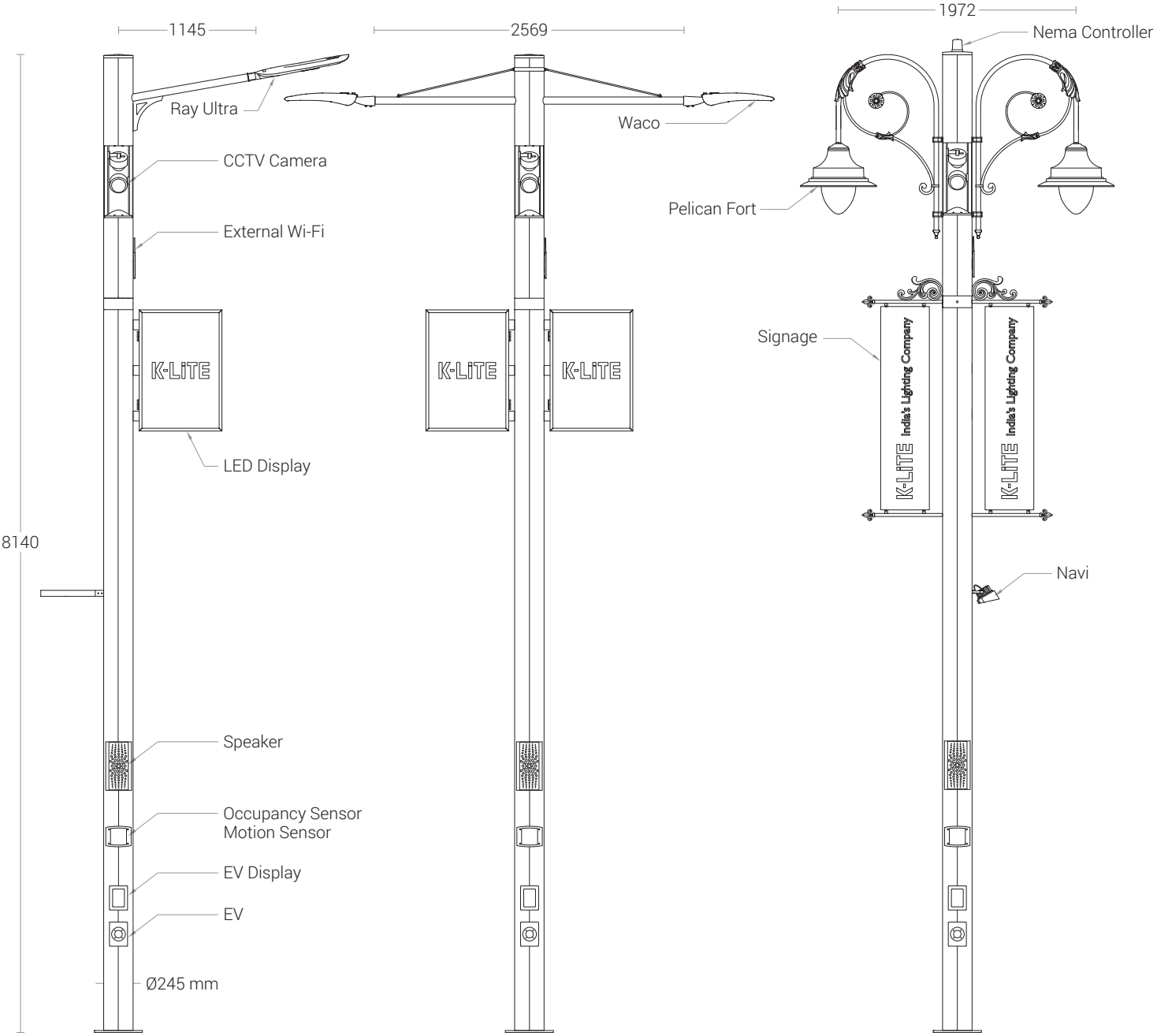
Lower layer

KL-4565 K8.1 N PSPR DC VE WN SE PM EVE

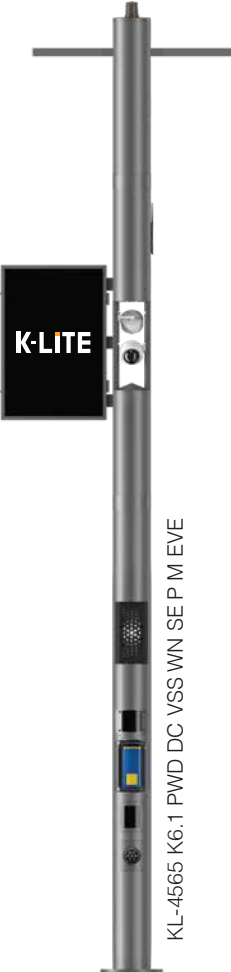


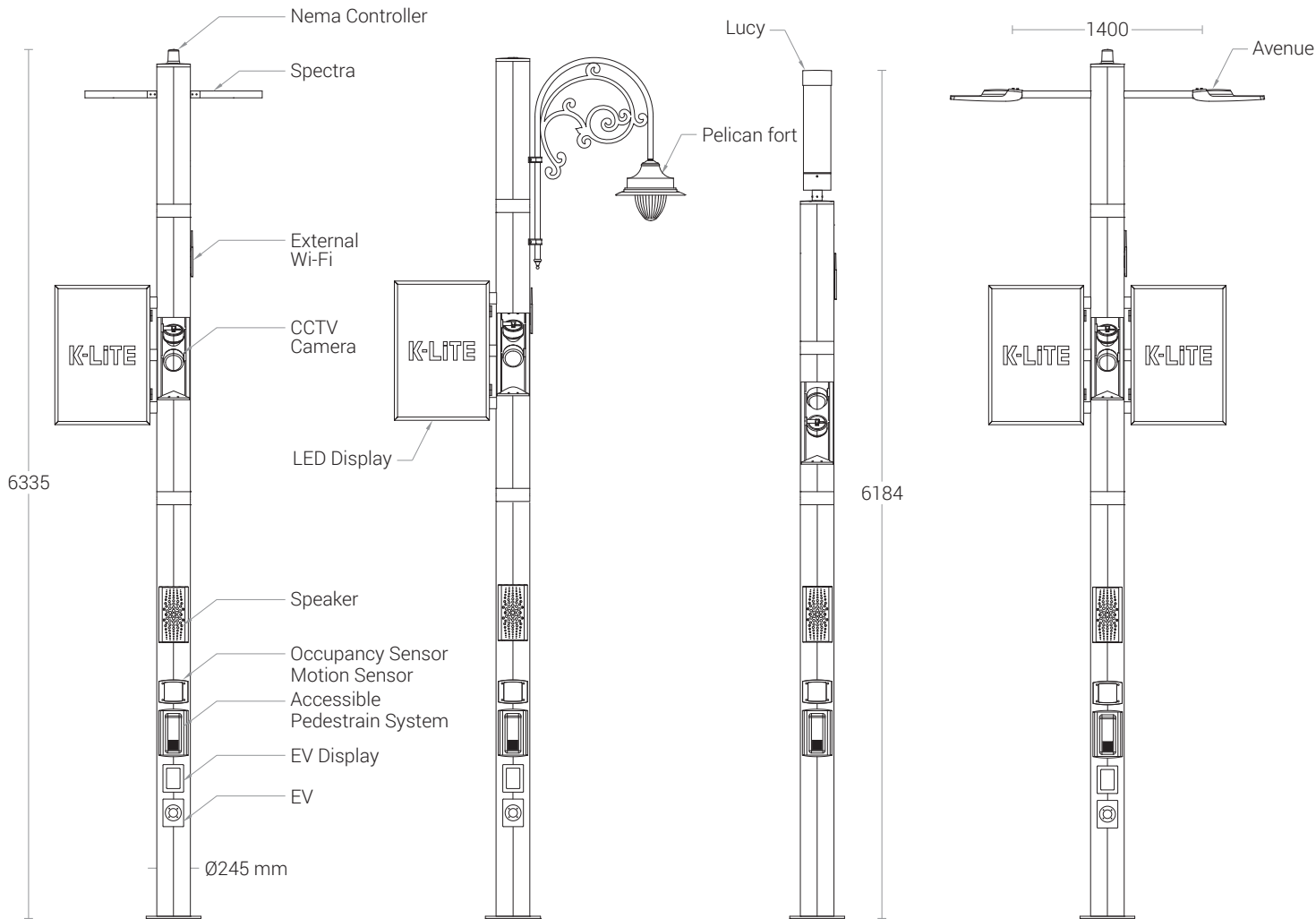
8000 Series





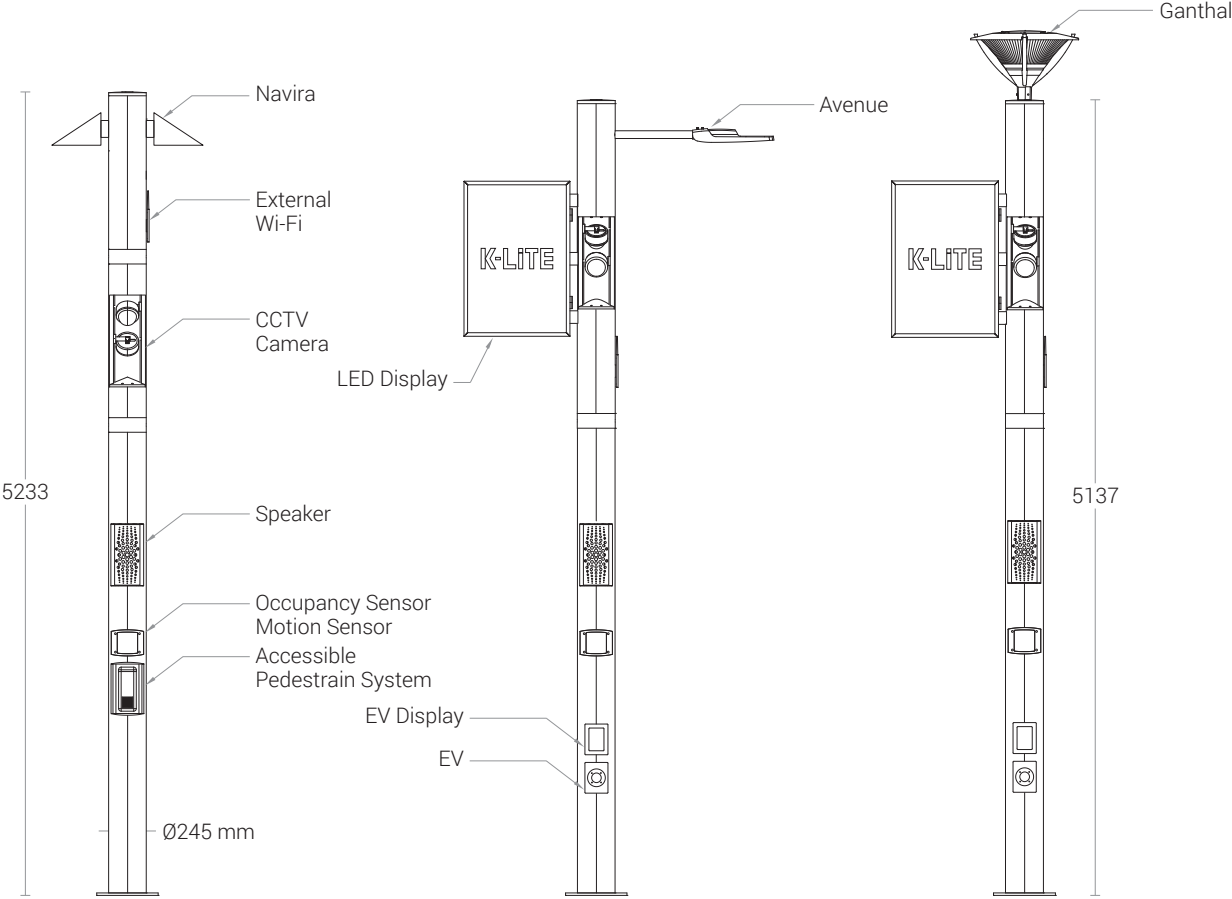
6000 Series

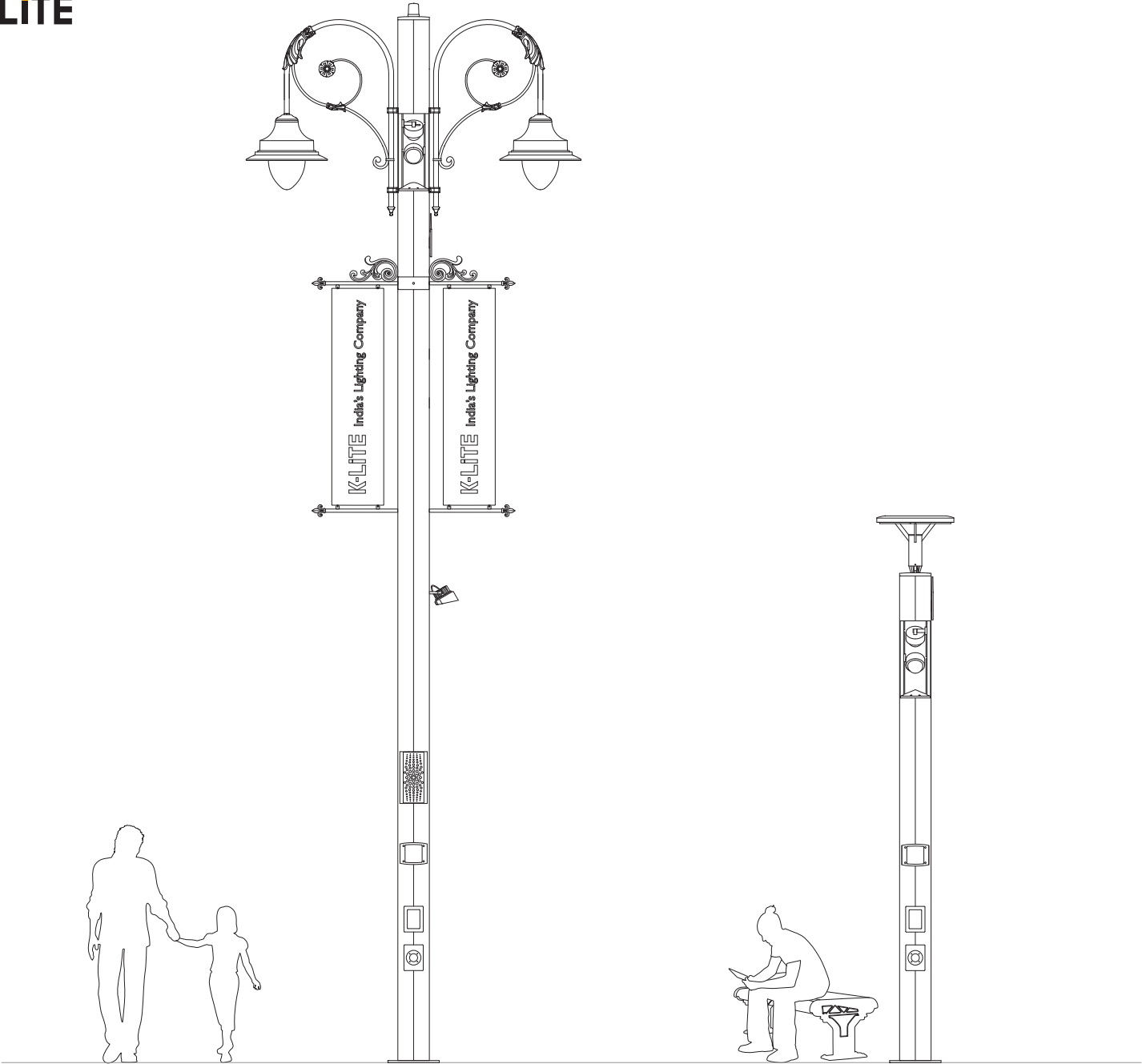


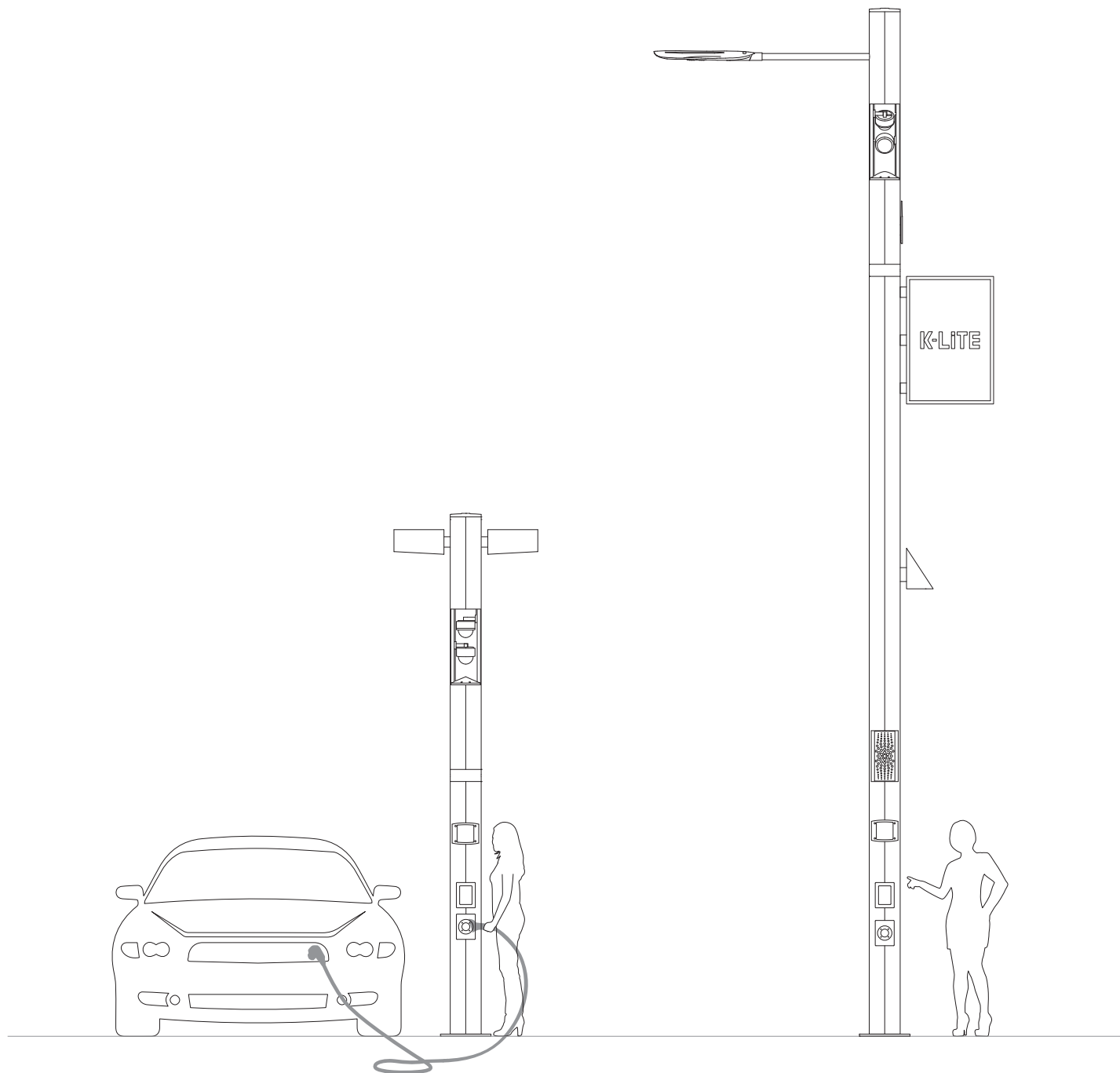


5000 Series



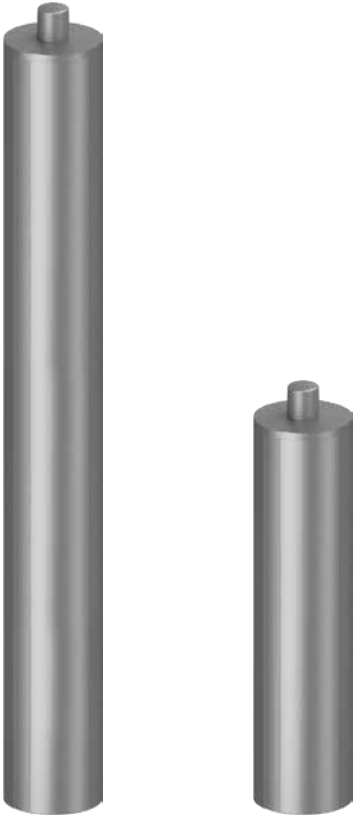




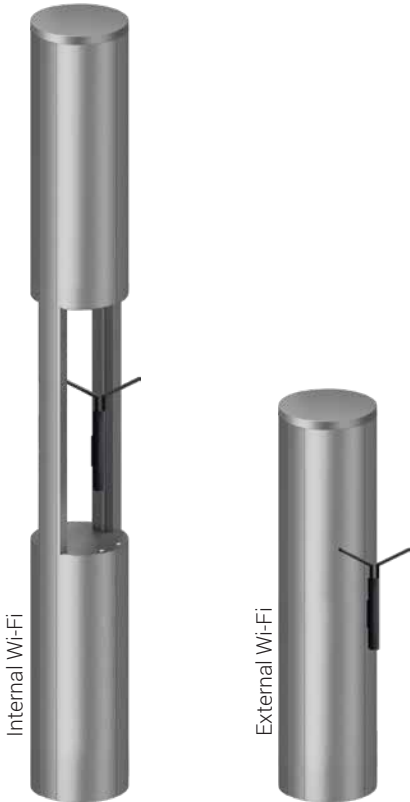




Nema Controller



Wi-Fi



CCTV Cameras



LED Display



LED Display

- Banners
 - Wayfinding Signage
 - Advertisement
- (Static / Dynamic / Self Lit / Standard)



K3

Front view



Back view



Outdoor Speaker



Proximity sensor



EV Socket



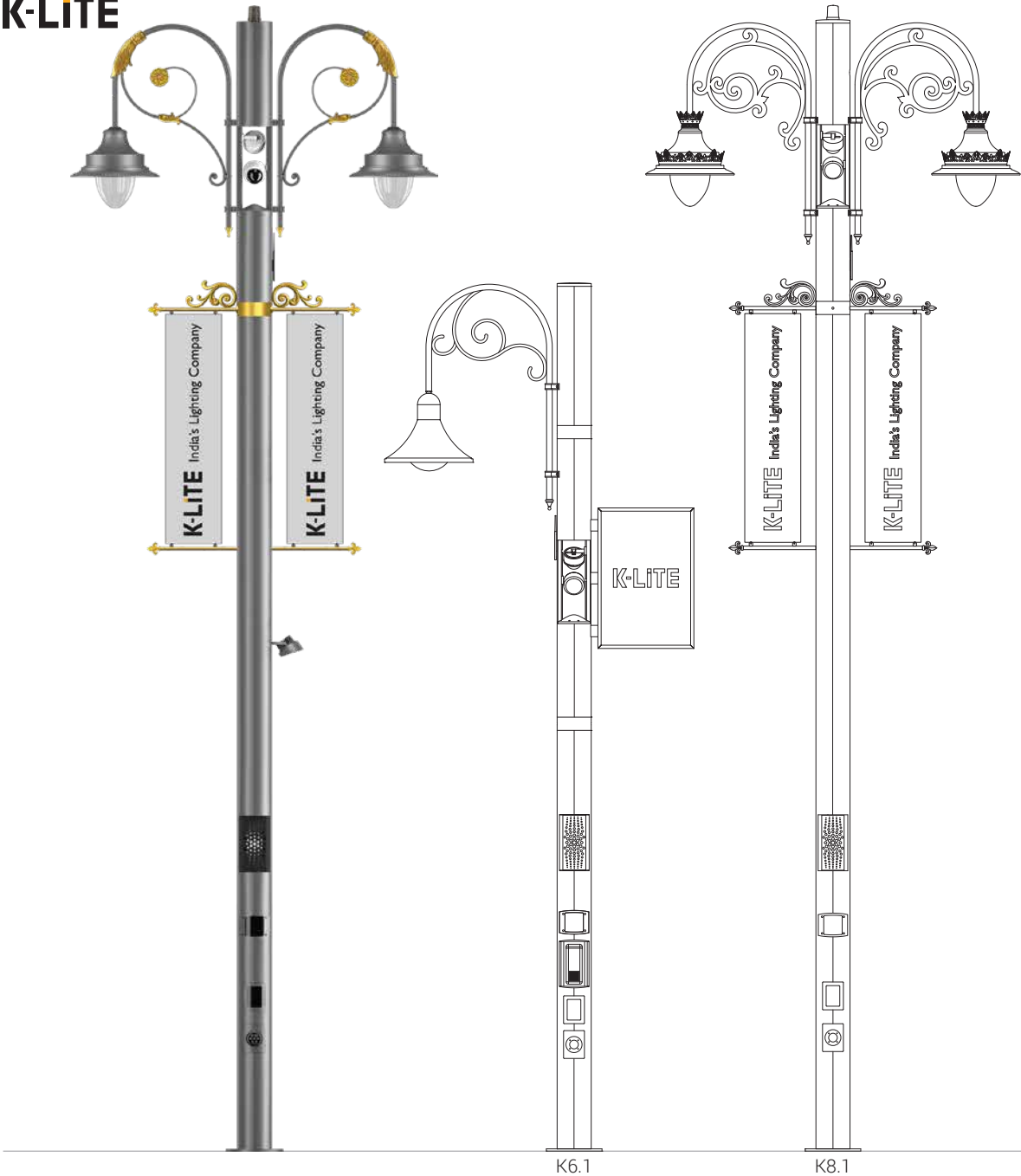
Prisma Tibro - 2000 Series



SOS Panic button - IP65



K-LITE India's Lighting Company

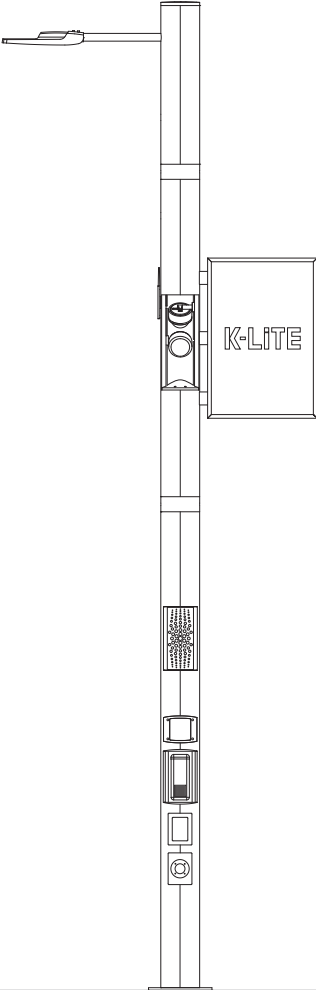
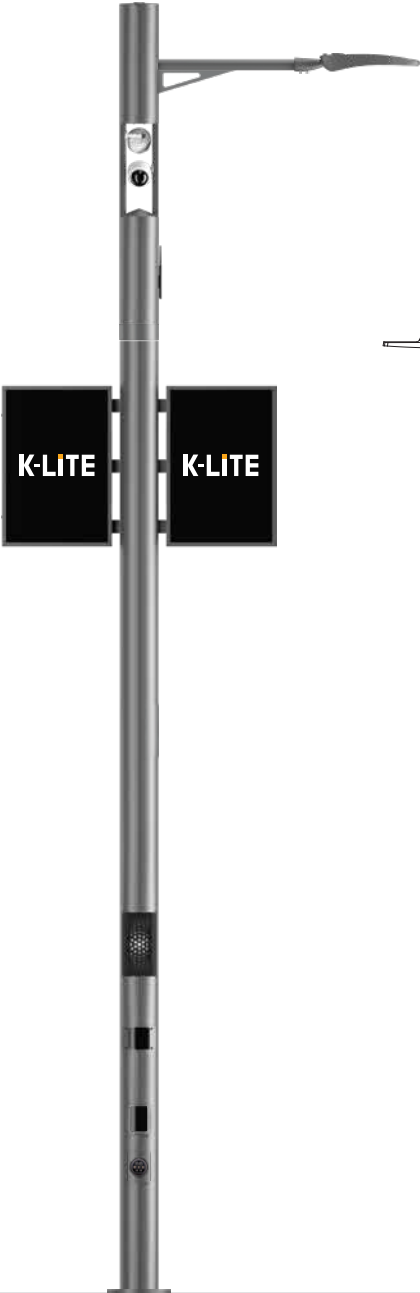


Options

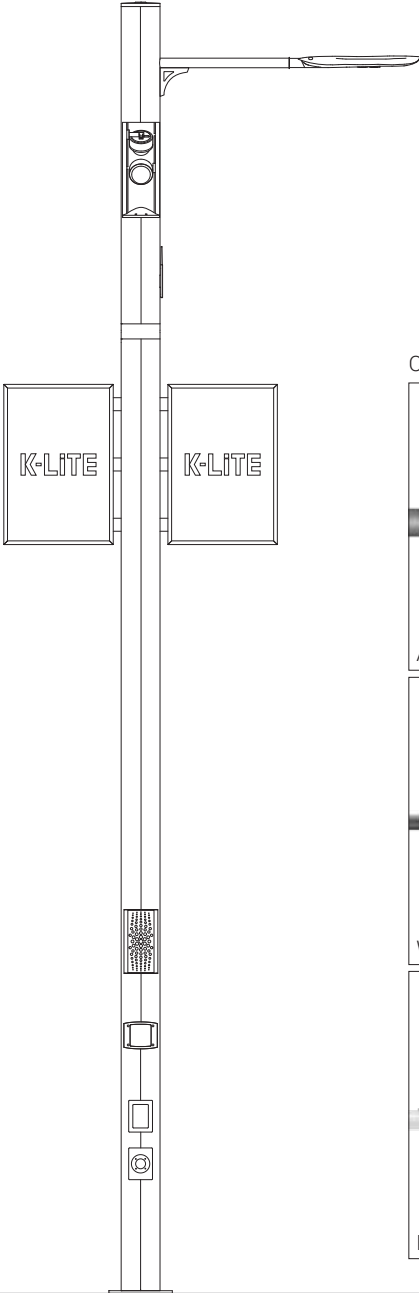

Karona Fort

Pelican Fort

Imperial

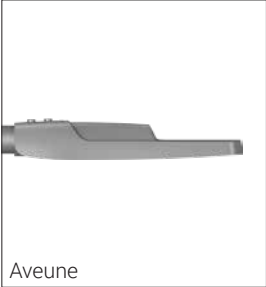


K6.1



K8.1

Options



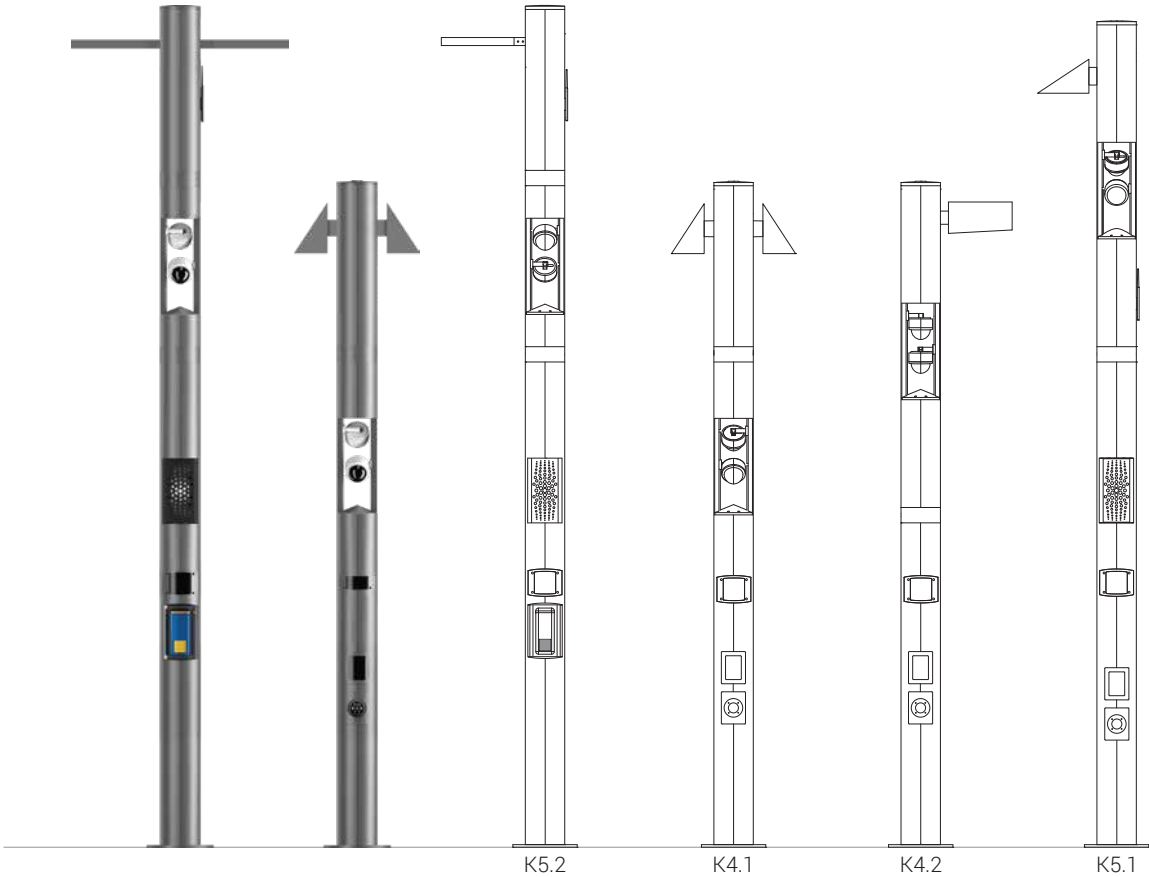
Aveune



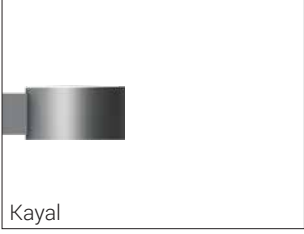
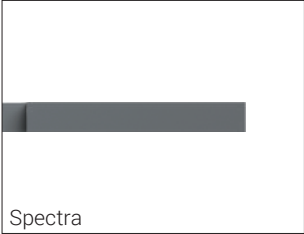
Waco

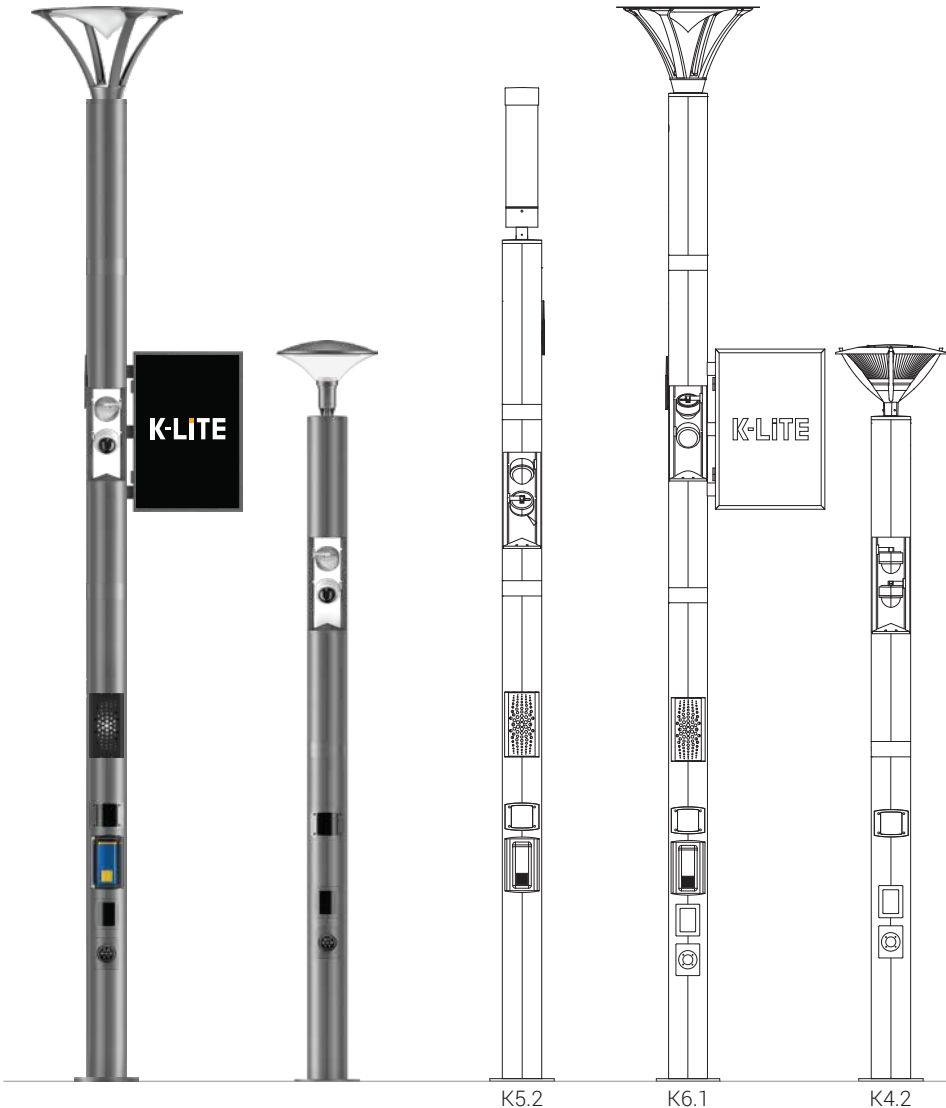


Ray



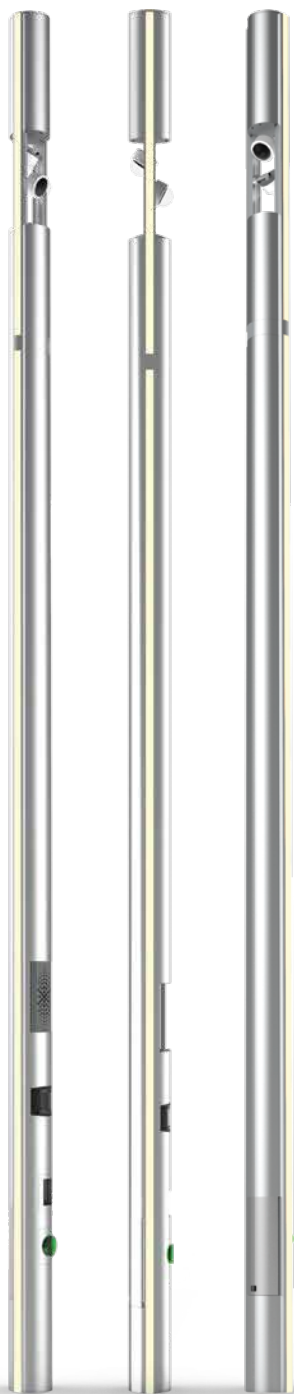
Options





Options





Overall, smart poles have the potential to be a key component in the development of smart cities. However, it is important to consider factors such as cost, security, and privacy when implementing these technologies to ensure that they are used in a responsible and effective way.

One of the most significant benefits of smart poles is the ability to collect real-time data. Sensors embedded in the pole can collect data on everything from traffic flow to air quality, enabling cities to make informed decisions about urban planning and resource allocation. For example, a smart pole could detect a traffic jam and automatically adjust traffic signals to reduce congestion.

Finally, smart poles can help cities optimize energy consumption. By integrating energy-efficient LED lighting and motion sensors, smart poles can reduce energy usage during low-traffic times and increase lighting when necessary. This not only saves cities money on energy costs, but also reduces their carbon footprint and contributes to a more sustainable future. Overall, integrating smart poles into urban infrastructure has the potential to transform cities into more efficient, safer, and sustainable places to live.



K-LITE

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