

INTEGRATED SOLAR LED STREETLIGHT (ISSL)

PRODUCT OVERVIEW TECHNICAL DOCUMENT

INTEGRATED SOLAR LED STREET LIGHT – 10W



INTEGRATED SOLAR LED STREET LIGHT – 10W	
MODEL #	UII-KS-SSL10_INTEGRATED_SOLAR-LED_STREETLIGHT
Ideal for Street / Community Lighting	
PERFORMANCE	
Integrated Solar Panel	17W (high efficiency)
LED Source	10W Multiple-LED module
Light Duration (Full Power) on a fully charged battery	~8 Hours
Light Duration (Dim Mode - 30% brightness) on a fully charged battery	~24 Hours
Lamp Material	Corrosion Resistant Aluminium Alloy (Recommended Installation Height: 4-5m)
Battery	Rechargeable Lithium-Ion (7.4v 11Ah)
FEATURES	
Easy Battery Replacement (ensures longevity of product)	Unique user-friendly design - no requirement to uninstall product - replacement can be done at installed height itself with use of common household tools
Battery Status Indicator	YES
Solar Charging Indicator	YES
Motion Sensor (Dim Mode Operation)	Energy Saving Feature
Ingress Protection (IP 65)	YES
Ambient Light Sensor	Auto 'ON' at Dusk / Auto 'OFF' at Dawn
Solar Auto-Illumination Optimization	Illumination / brightness is automatically adjusted based on weather conditions / battery charge level , thereby enabling longer light duration
Integrated Solar Panel	YES
Sleek & Compact Design	YES
Intelligent Control Circuit	YES
Installation & Logistics	Easy to install as all components in one single unit & no wiring required Extremely compact & shipping friendly
ACCESSORIES	
Installation Bracket	YES Pole is not included as standard accessory Recommended Installation Height is 4-5 mtrs
PACKAGING	
Packaging Dimensions	70cm x 26cm x 14cm
Gross Weight	~7 Kgs / CTN
Warranty	2 Years

INTEGRATED SOLAR LED STREET LIGHT – 20W



INTEGRATED SOLAR LED STREET LIGHT – 20W	
MODEL #	UII-KS-SSL20_INTEGRATED_SOLAR-LED_STREETLIGHT
Ideal for Street / Community Lighting	
PERFORMANCE	
Integrated Solar Panel	30W (high efficiency)
LED Source	20W Multiple-LED module
Light Duration (Full Power) on a fully charged battery	~8 Hours
Light Duration (Dim Mode - 30% brightness) on a fully charged battery	~24 Hours
Lamp Material	Corrosion Resistant Aluminium Alloy (Recommended Installation Height: 4-5m)
Battery	Rechargeable Lithium-Ion (11.1v 11Ah)
FEATURES	
Easy Battery Replacement (ensures longevity of product)	Unique user-friendly design - no requirement to uninstall product - replacement can be done at installed height itself with use of common household tools
Battery Status Indicator	YES
Solar Charging Indicator	YES
Motion Sensor (Dim Mode Operation)	Energy Saving Feature
Ingress Protection (IP 65)	YES
Ambient Light Sensor	Auto 'ON' at Dusk / Auto 'OFF' at Dawn
Anti-theft Hooter / Alarm	YES
Integrated Solar Panel	YES
Sleek & Compact Design	YES
Intelligent Control Circuit	YES
Installation & Logistics	Easy to install as all components in one single unit & no wiring required Extremely compact & shipping friendly
ACCESSORIES	
Installation Bracket	YES Pole is not included as standard accessory Recommended Installation Height is 4-5 meters
PACKAGING	
Packaging Dimensions	93cm x 46cm x 22cm
Gross Weight	~13 Kgs / CTN
Warranty	2 Years

INTEGRATED SOLAR LED STREET LIGHT – 40W



INTEGRATED SOLAR LED STREET LIGHT – 40W	
MODEL #	UII-KS-SSL40_INTEGRATED_SOLAR-LED_STREETLIGHT
Ideal for Street / Community Lighting	
PERFORMANCE	
Integrated Solar Panel	60W (high efficiency)
LED Source	40W Multiple-LED module
Light Duration (Full Power) on a fully charged battery	~8 Hours
Light Duration (Dim Mode - 30% brightness) on a fully charged battery	~24 Hours
Lamp Material	Corrosion Resistant Aluminium Alloy (Recommended Installation Height: 4-5m)
Battery	Rechargeable Lithium-Ion (11.1v 26.4Ah)
FEATURES	
Easy Battery Replacement (ensures longevity of product)	Unique user-friendly design - no requirement to uninstall product - replacement can be done at installed height itself with use of common household tools
Battery Status Indicator	YES
Solar Charging Indicator	YES
Motion Sensor (Dim Mode Operation)	Energy Saving Feature
Ingress Protection (IP 65)	YES
Ambient Light Sensor	Auto 'ON' at Dusk / Auto 'OFF' at Dawn
Anti-theft Hooter / Alarm	YES
Integrated Solar Panel	YES
Sleek & Compact Design	YES
Intelligent Control Circuit	YES
Installation & Logistics	Easy to install as all components in one single unit & no wiring required Extremely compact & shipping friendly
ACCESSORIES	
Installation Bracket	YES Pole is not included as standard accessory Recommended Installation Height is 4-5 meters
PACKAGING	
Packaging Dimensions	130cm x 59cm x 22cm
Gross Weight	~26 Kgs / CTN
Warranty	2 years

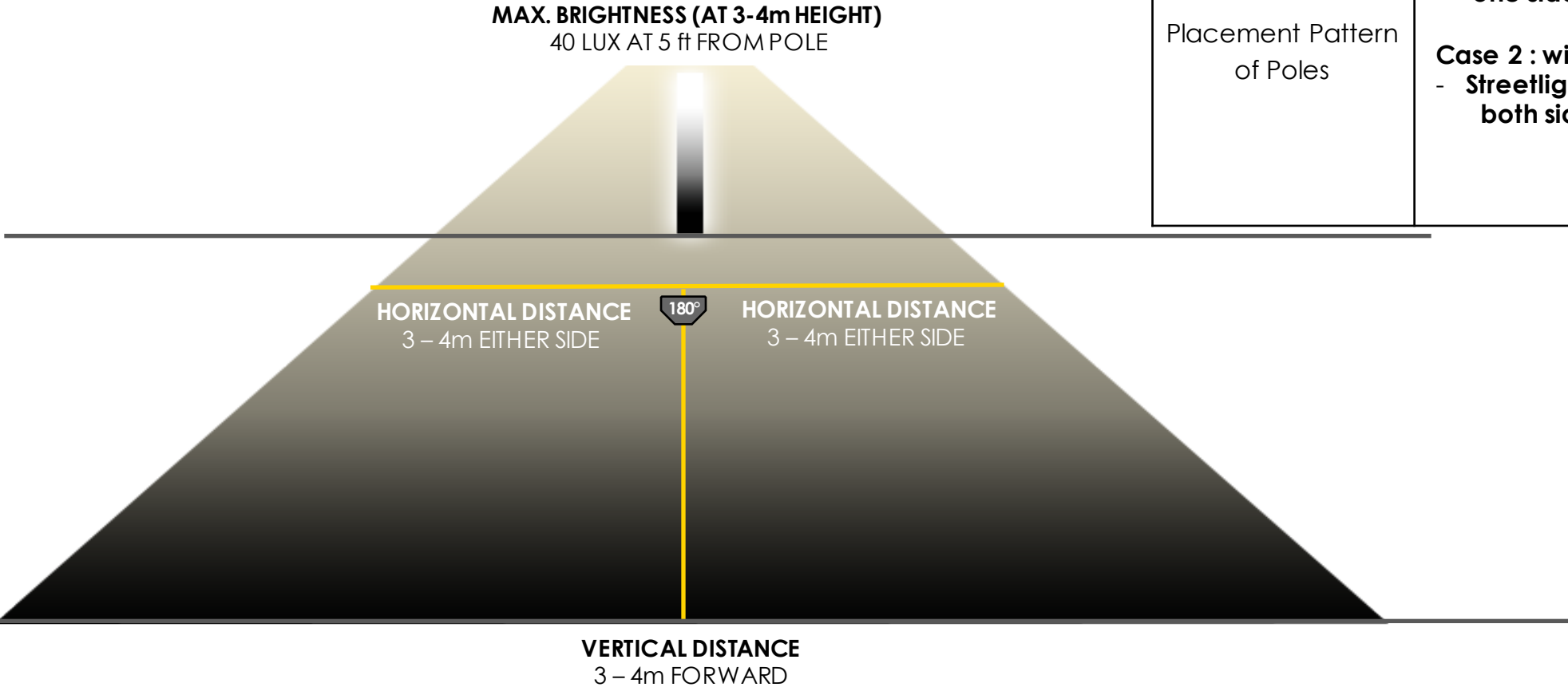
FREQUENTLY ASKED QUESTIONS

1	What is Integrated Solar Street Light?	Integrated Solar LED Street Light means Solar Panel, LED battery, controller are all put inside one lamp fixture, It is also can be called "All in one Solar LED Street".
2	How does our Integrated Solar Street light work?	The integrated solar panel charges the internal battery in the day time which powers the LED Light as soon as the sun sets (and works till sun rise) (plus backup as explained later).
3	What kind of Solar Panel do you use?	Our solar panel is poly-Crystalline solar photovoltaic module
4	What kind of battery do you need ?	Rechargeable lithium-Ion ,whose lifespan is much longer than traditional batteries.
5	What kind of LED do you use?	Our LED is SMD LM80 certified of known brands like Osram, CREE, Samsung etc.
6	What kind of IP rating does the Integrated Solar LED Street Light have?	Our IP (INGRESS PROTECTION)rate for normal Solar LED Street Light is IP65, which is suitable for outdoor lighting application.
7	How many rainy days can your Integrated Solar LED Street Light support?	Our default design is based on three continuous rainy days. If you want more days, it can be customized.
8	Can your Integrated Solar LED Street Light withstand wind pressure?	Yes. We have factored in wind speeds of upto 150Km/hr.
9	How many Installation methods can we used for Integrated Solar LED Street light support?	Currently we support pole and wall mounted installation ways. For others, it can be customized with accessory before delivery.
10	Which places are suitable for Integrated Solar LED Street Light?	The Integrated Solar LED Street Lights are suitable for any place which lacks electricity (or where energy conservation or environmental protection is priority). Just some examples of suitable spaces are courtyards, gardens, motorways, urban and rural roads, tourist attractions, parks, playgrounds etc.
11	What is the typical maintenance for Integrated Solar LED Street Light?	There is no regular maintenance required for the Integrated Solar LED Street Light However, it is helpful to keep the Solar Panels clean, especially in a dusty climate simply with a water hose pipe or any regular method.
12	Logistics for Integrated Solar LED Streetlight	As all the components are on one single unit no wiring is required and the product is extremely compact which it make shipping/transport friendly.
13	Direction of Solar Panel	The integrated solar streetlight must be placed at 90 to the mounting pole. The integrated solar panel is designed such that it need not be placed south-facing (as required with traditional panels)
14	What Is the warranty period of the Integrated Solar LED Street Light?	2 Years.

LUX LEVEL OF ISSL – 10W

TECHNICAL RECOMMENDATIONS for ISSL 10W

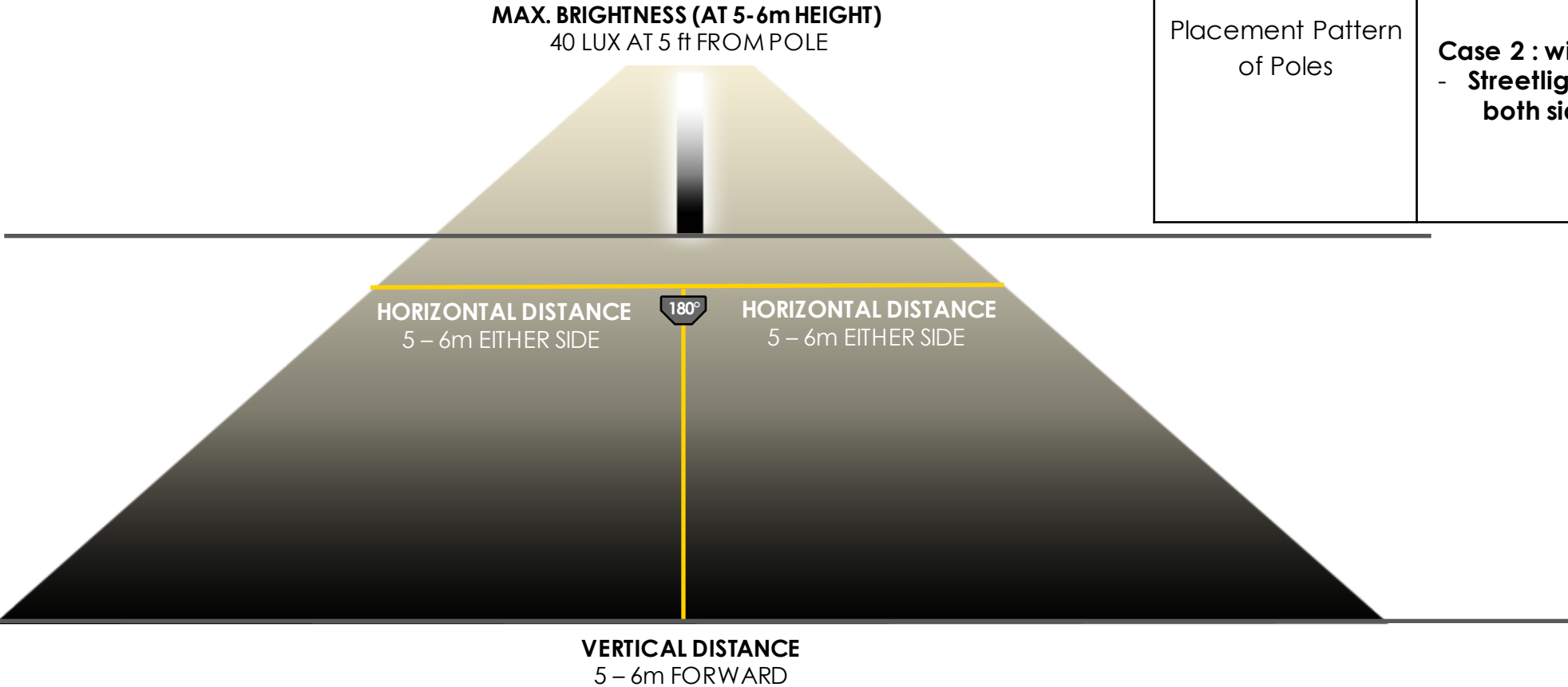
LED dispersion angle	120°
Distance between the two pole	3 – 4 Meters
Placement Pattern of Poles	<p>Case 1 : width of road is < 3 – 4m</p> <ul style="list-style-type: none"> - Streetlights can be placed on one side of road or in Zig-Zag Pattern. <p>Case 2 : width of road is > 3 – 4m</p> <ul style="list-style-type: none"> - Streetlights must be placed on both sides of road opposite each other.



LUX LEVEL OF ISSL – 20W

TECHNICAL RECOMMENDATIONS for ISSL 20W

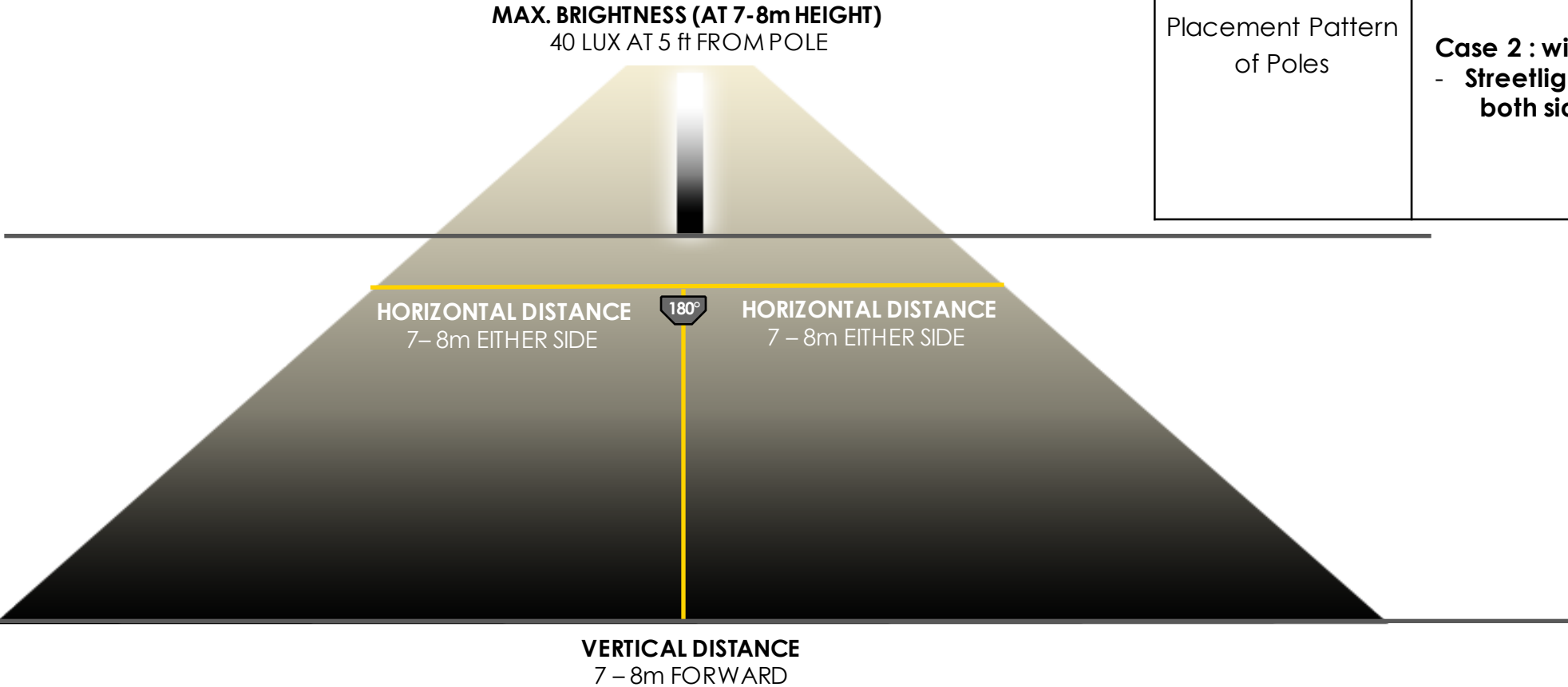
LED dispersion angle	120°
Distance between the two pole	5 – 6 Meters
Placement Pattern of Poles	<p>Case 1: width of road is < 5 – 6m - Streetlights can be placed on one side of road or in Zig-Zag Pattern.</p> <p>Case 2 : width of road is > 5 – 6m - Streetlights must be placed on both sides of road opposite each other.</p>



LUX LEVEL OF ISSL – 40W

TECHNICAL RECOMMENDATIONS for ISSL 40W

LED dispersion angle	120°
Distance between the two pole	7 – 8 Meters
Placement Pattern of Poles	<p>Case 1: width of road is < 7 – 8m - Streetlights can be placed on one side of road or in Zig-Zag Pattern.</p> <p>Case 2 : width of road is > 7 – 8m - Streetlights must be placed on both sides of road opposite each other.</p>





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