

KOLAR ENERGY PTY LTD

KE-C3

PRODUCT CATALOG

JULY



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KE-C3 SOLAR STREETLIGHTS

40W-120W

Introducing the KE-C3 Solar Streetlights, the ultimate solution for illuminating less secure areas, highways, roads, streets, train tracks, mines, and various commercial environments. Engineered for efficiency and reliability, our solar streetlights harness the power of the sun to provide bright, dependable lighting in even the most challenging locations. With robust construction and advanced technology, KE-C3 Solar Streetlights ensure enhanced safety and visibility, making them the perfect choice for a wide range of applications.



KE-C3

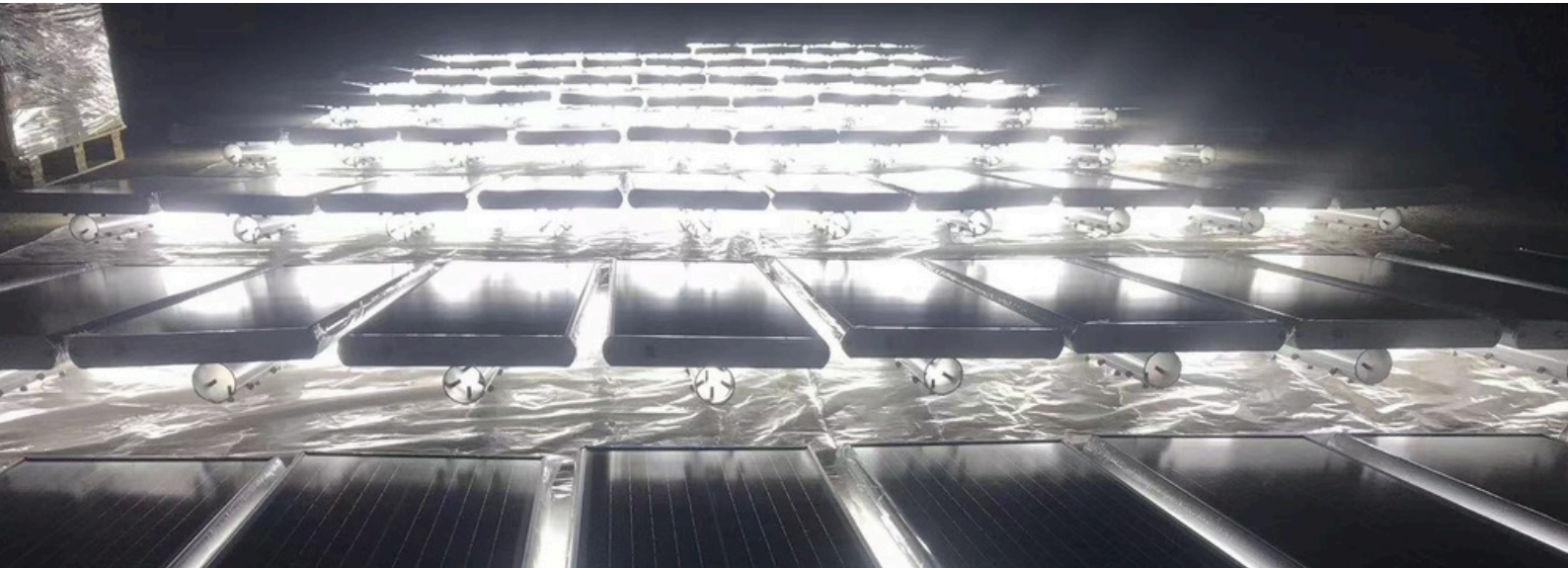
SPECIFICATIONS

WATTAGE	40W	60W	80W
LED CHIPS	50 PCS BRIDGELUX 3030	90 PCS BRIDGELUX 3030	200 PCS BRIDGELUX 3030
LUMENS PER WATT	175LM/W	175LM/W	175LM/W
MOUNTING HEIGHT	5-6M	6-8M	8-10M
MOUNTING SPACE	18-25M	25-32M	30-48M
COLOUR TEMPERATURE	3000-7000K	3000-7000K	3000-7000K
BATTERY	LIFEP04 15AH, 192WH	LIFEP04 24AH, 308WH	LIFEP04 30AH, 384WH
SOLAR PANEL	50W MONO SILICON	70W MONO SILICON	80W MONO SILICON
CHARGING TIME	6 HOURS	6-7 HOURS	6-8 HOURS
BACK-UP DAYS	3-5 DAYS	3-5 DAYS	3-5 DAYS
SLEVE DIAMETER	42-60MM	42-60MM	42-60MM
MATERIAL	ALUMINIUM ALLOY	ALUMINIUM ALLOY	ALUMINIUM ALLOY
MODULE SIZE	830×380×145MM	1080×380×145MM	1120×380×145MM
LIGHT SENSOR	YES	YES	YES
MOTION SENSOR	YES	YES	YES
WATERPROOF	IP65	IP65	IP65
WARRANTY	5 YEARS	5 YEARS	5 YEARS
ROAD CLASS	A4, B1, B2, B3	A3, A4, B1, B2	A1, A2, A3

Built to meet the highest standards of street lighting, all materials used in our lights are of superior quality, ensuring durability and long-lasting performance. The KE-C3 Solar Streetlights are designed to withstand harsh environmental conditions while providing consistent and powerful illumination. Trust in the KE-C3 for your lighting needs and benefit from a solution that combines cutting-edge technology with exceptional reliability.

WARRANTY

The warranty period for the KE-C3 solar street lighting system is five (5) years from the delivery date. During this period, Kolar Energy Pty Ltd warrants that the product will be free from defects in materials and workmanship under normal use and service conditions. For more details regarding the KE-C3 warranty, please email us. We use a project-based manufacturing process, therefore orders can take up to 8-10 weeks (2 months) to get delivered. Extended warranties are available.



SOLAR PANELS

The KE-C3 Solar Streetlights are equipped with 18V Monocrystalline silicon solar panels with a conversion efficiency of over 20% and a lifetime of 25 years, these panels are known for their high efficiency and superior performance. These panels offer several advantages over polycrystalline panels, including higher power output, greater efficiency in low-light conditions, and a longer lifespan. Monocrystalline panels are also more efficient in high-temperature environments, making them ideal for a wide range of applications. Using monocrystalline silicon, the KE-C3 ensures maximum energy absorption and reliable performance, even in challenging conditions.

LED CHIPS

The KE-C3 Solar Streetlights are equipped with Bridgelux 3030 LED chips, renowned for their exceptional performance in a compact package. The Bridgelux 3030 is a high-power LED, hot-color targeted to ensure that the LEDs fall within their specified color bin at typical application conditions of 85°C. With broad lumen coverage and a wide range of CCT and CRI options, the SMD 3030 offers unparalleled design-in flexibility for both indoor and outdoor lighting applications. Its high flux capability significantly reduces the number of LEDs needed, enabling industry-leading system level lumen per dollar. Additionally, these LEDs boast an impressive lifetime of 100,000 hours, ensuring long-lasting, reliable illumination for all your lighting needs.

INTERGRATED MODULE DESIGN

The KE-C3 Solar Streetlights feature an integrated module design that enhances security by reducing the risk of component theft. The lighting components are housed in a high-class integrated die-casting aluminum alloy case with an IK08 impact protection rating, ensuring durability against impacts. These modules are available with various mounting applications, including our standard horizontal sleeve mount that comes with 9 fasteners, significantly decreasing the likelihood of theft. The built-in motion sensor automatically regulates the brightness of the lamp based on the detection of movement, optimizing energy usage. With an IP65 rating, the module offers industrial-standard protection from dust, water, external damage, accidental contact, and more, providing essential protection from weather and environmental factors to meet regulatory demands. Additionally, the battery is discreetly hidden from sight, further enhancing the overall security and aesthetics of the streetlight.



KOLAR ENERGY PTY LTD

Kolar Energy Pty Ltd is a new and dynamic company powered by the innovative spirit of South African youth. Our mission is rooted in the belief that solar streetlights should not be prohibitively expensive. We are dedicated to making sustainable street lighting accessible to all and driving South Africa towards a greener future. In line with this vision, for every 20 KE-C3 Solar Streetlights sold, we donate one light to the MS Foundation for Sustainable Energy. These donated lights are installed in rural communities, helping to improve safety and quality of life while promoting sustainable development. This initiative underscores our dedication to making a positive impact and fostering sustainable development in South Africa.

STARTING FROM R6850.00





OUR OTHER PRODUCTS



In addition to the KE-C3 Solar Streetlights, we also offer the KE-R2 lights, which are ideal for residential use in estates or office sites and go up to 80W. This solar road light features all components fully integrated within a compact design, providing a sleek and efficient lighting solution. For versatile applications such as gardens, parking lots, estates, and walking paths, our KE-G1 Solar UFO Light is an excellent choice. Its innovative design and reliable performance make it suitable for a wide range of environments.

Contact us to get prices and catalogues.



**"Solar street lights shouldn't be priced exorbitantly;
but should be built to withstand the elements."**



OUR WEBSITE

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