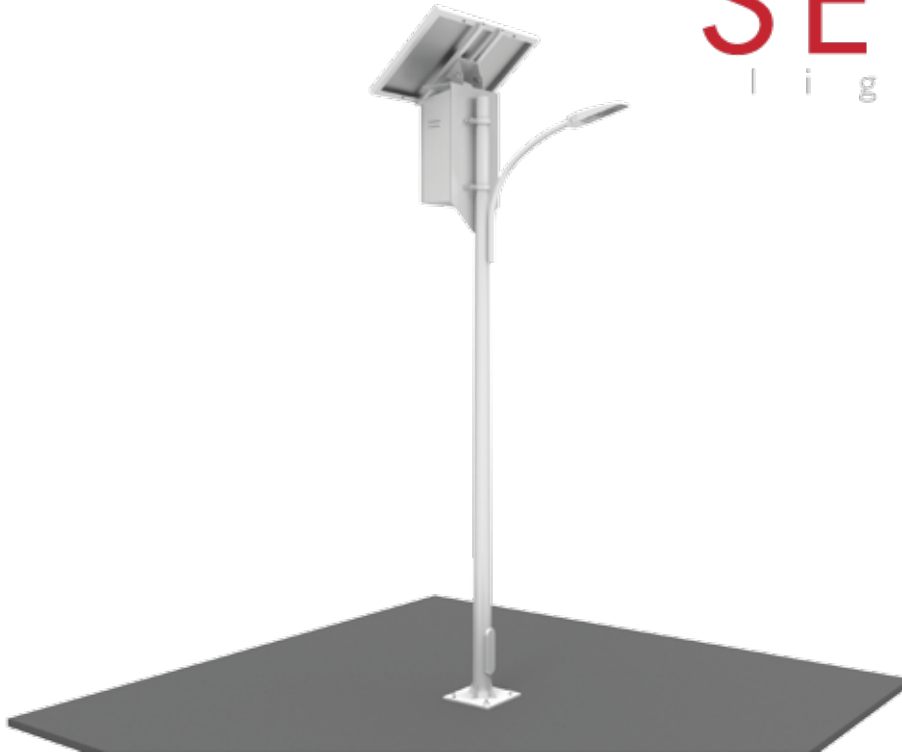
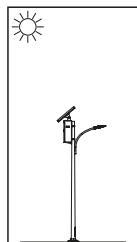


SEDNA[®]
l i g h t i n g



Solar Street Series - LED Street Lights

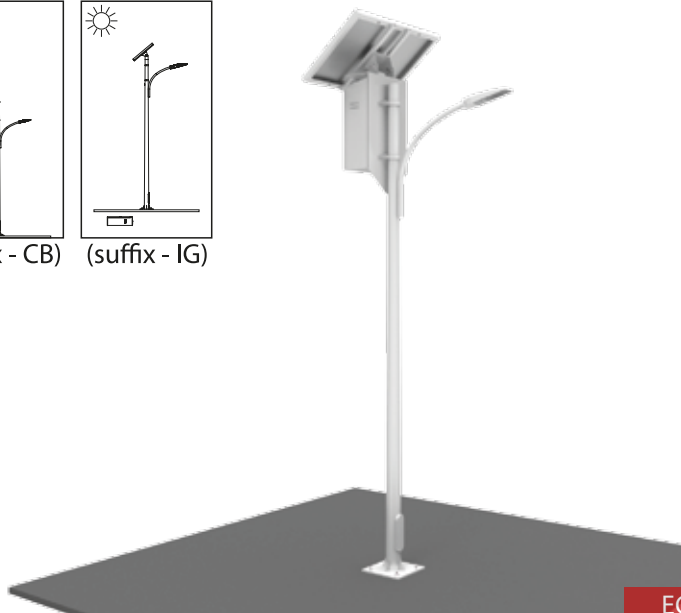
Solar Street Series - LED Street Lighting



(suffix - CB)



(suffix - IG)



Combining the most innovative breakthrough technologies of the 20th century, Solar Power with LED Luminaires. The solar street luminaire is designed for energy efficient 100% off-grid solutions.

Options from high power, high efficiency 110lm/W; 30W / 60W street lights producing up to 6,600lm (optics: 75° x 150° / 55° x 145°) making it **suitable for mount heights from 3-8m for small roads, urban areas and car-parks.**

System comprises of **Panasonic® LC Series Lead Acid Battery (SDLC-T12105)** designed especially for photovoltaic systems, with a low self-discharge rate. 2 capacities available: 70Ah for and 105Ah for 1-to-3-day cycles (30W: 2-day 70Ah / 3-day - 105Ah / 60W: 1-day 70Ah / 2-day 105Ah), hence **suitable in low-light/high rain/dust areas** where solar panel may be unable to obtain max daily 5-hr charge in a single day. Furthermore, **2 options of mounting battery cell: pole mount cabinet (suffix -CB) or in-ground (suffix -IG), latter ideal for high temperature environments >35°C ambient** where in-ground cabinet can maintain battery at optimum temperature for long-term maintenance free use.

Solar Panel features **latest polysilicone technology** (conversion rate up to 15% & power attenuation less than 20% in 20 years), for rapid charge cycle. **Mounted independently of LED Luminaire for positioning/directing to solar source for optimum charging.**

IP68 Controller (82mm x 100mm x 20mm / 0.3kg) can be adjusted to solar only or Hybrid: solar & mains 230V AC input. Furthermore, settings can be changed through 100%/8-Hours use or 50%/16-hours usage.

Item supplied complete as set. Options from Wattage (-30W/-60W), Battery Size (-70 suffix 70Ah/-105 suffix 105Ah) & battery cell storage mounting (Post Mount Cabinet: -CB / in-ground: -IG)

ECA
Compliant

Part L
Compliant



IK09

IP65

5Yr



Pole mount cell cabinet (-CB) or in-ground (-IG) Adjustable bracket for optimum angle



Independent panel for adjustable direction

Product information

Durable LED Luminaire with rated life span of +60,000 hours / No UV or IR emissions / Instant Illumination & Flicker free / CE & RoHS international standards / Environmentally friendly & fully recyclable: no mercury or other hazardous materials used / Heavy duty die cast aluminum housing with RAL Grey electrophoretic coating & toughened PMMA cover / Panasonic® LC photovoltaic maintenance-free Lead Acid battery cell / 150W rated Polysilicone solar panel

Code	Nominal Size	Power	Lumen Output	Max Use 70Ah Cell	Max Use 105Ah Cell	Equivalent
SDSSDL-30	370mm x 120mm x 70mm	30W	3,000lm	16hr	28hr	70W SON
SDSSDL-60	370mm x 180mm x 85mm	60W	6,600lm	8hr	16hr	150W SON

Technical Specifications

Beam Angle: (30W) 55° x 145° / (60W) 75° x 150°

Luminous Efficacy: 110lm/W

High Colour Rendering Index ≥ 80Ra

Solar Panel: polysilicone crystal 150W

Battery Type: Panasonic® LC Lead Acid
12V/70Ah (350x166x175mm / 23kg)
12V/105Ah (407x173x210mm / 34kg)

LED Type: Nichia® SMD LEDs

Operating Temperature: -20°C to 60°C*
*(>35°C in-ground battery storage - Sufflx -4G)

Colour Temperature: PW 5300K
(Others available on request)



Smarter illumination - in a world where efficiency drives evolution

Lighting accounts for +25% of all global power consumption - transition to energy efficient LED could reduce global emissions by one third.

That's not all, our years of experience and quality luminaires means we are recognised as a leader, in which our products outperform the typical industry standard by 30-40%.



More than just an LM79/80 report - Robust design with lifetimes up to 70,000 hours

Lumen performance vs. luminous efficacy vs. lifetime? A difficult trade-off.

Our team of vastly experienced engineers design optimum balance of performance vs. longevity. We don't cut corners, using low numbers of light engines resulting in overcooking and short-lived lifetimes. Longevity is at the heart of our design, so when our L70 states 50,000 hours - it really is.

50,000 hours

832 weeks

208 months

17.5 years

Quality CRI = Quality illumination

No more living in the dark

Office, retail, warehouse or exterior - our drive for leading edge lumen performance stems from offering chips with a CRI typically 85-100. So whether it's automated warehouse barcode picking or retail displays - our products consistently deliver illumination of the highest standards.



Generic LED luminaire



Sedna luminaire

A proven track record - certified experience trusted by global brands

UK based R&D with vast experience of IESNA/BS EN/ANSI standards. Outrageous claims of 100,000 hours from a single-layered enclosed heatsink have plagued our industry - hence an open technical strategy combined with data, certificates and testing reports are independently scrutinised (LM79/80 photometric reports on request).

And if that doesn't speak volumes - just ask some of our clients for a testimonial, we have worked on projects with some of the largest global corporations including Formula 1™, Hilton Group*, Panasonic*, Al Hilal Bank, KFC* Group, Nike* Retail amongst many more.



Panasonic

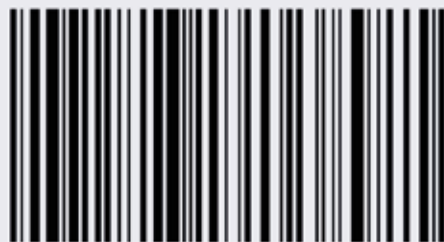


مصرف الهلال
al hilal bank



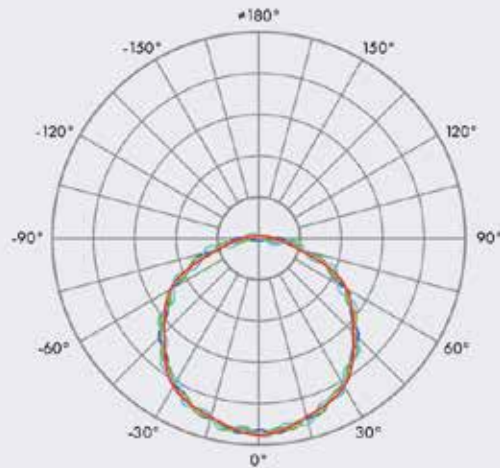
Serialised ANSI standard colour temperatures - consistency and colour matching to suit each and every application

We understand the power and importance of light. Which is why we design each of our luminaires in a range of CCT to suit the application, from public spaces and commercial offices to industry and warehousing; our luminaires are designed to suit. With serialised bins according to ANSI C78.377, we can ensure the highest degree of colour matching for many years to come.



Industry leading innovation - a philosophy of delivering technological innovation

We have a philosophy of delivering cutting-edge innovations - not holding off to capitalise on out-dated production cycles. Hence, we have a common goal - to deliver 125lm/W throughout our complete range by mid-2015 whilst maintaining our offering of a range of colour-temperatures in 5-6 step bins (ANSI 2009) to suit all applications.



Partnered with the worlds most advanced components - delivering in every aspect of design

Products of the highest calibre means working with the worlds leading component manufacturers, from connector technology, chips, PCBs, coatings and casing, optics and drivers.

TRIDONIC

▼ enlightening your ideas

Connector technology - screwless multiple-poles
for seamless, simple installation

Push-fit wire connector technology for firm-push
connection for years to come

WAGO[®]
INNOVATIVE CONNECTIONS

molex[®]

PCB wire terminals throughout our range for
serviceable LED components/PCBs

Globally-renowned power supplies with high
power factors and a range of controls

MW
MEAN WELL

CREE[™]
TECHNOLOGY

World leading lightengines with a wide
range SMD and COB types

TRIDONIC

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for seamless, simple installation

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World leading light-engines with a wide
range SMD and COB types

Specialised chips for custom/bespoke
applications



CONTACT US NOW ON

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