

# IllumiBrite Solar LED Street & Roadway Lighting Solutions

Light the way. Anywhere you want.

Sol provides trouble-free lighting wherever it's needed for illuminating roadways, intersections and streets.



## SPECIFICATIONS

System voltage	12 VDC
System sizing solar panel*	80 to 375 watts with Sol's proprietary power management
Batteries	100 AH Gel Cell – maintenance free
Battery reserve	10 day autonomy
Lamp type	Solid state ultraflat strip LED with digital driver -“instant-on”
Input voltage range	8 to 50 volts DC
CRI Index	80
LED light pattern	Rectangular
Light color temp	5100K
Lamp life span	100,000 hours
Operating temp	-40 F to +120 F
Operating hours	Fully programmable including dusk-to-dawn run times
LED fixtures available	Cobrahead or Shoebox with 2 Quad, 3 Quad or 5 Quad. Prismatic or Sag lens.
Disposal risk	None, lamps contain no mercury

\*Solar panel specifications may vary by manufacturer.

## FEATURES

- Max Lite™ reflector maximizes LED light output.
- Aesthetically pleasing white light with excellent color rendering; best in class for nighttime vision.
- Sol's intelligent light driver measures battery level to optimize LED performance.
- Light driver provides dimming in times of prolonged inclement weather to save battery without difference in light output.
- IDA approved Dark-Sky compliant.
- Maintenance-free.
- Reduced energy/maintenance costs.
- Immune to power outages.
- Sturdy corrosive and vandal-resistant construction.
- Installs quickly and easily—anywhere you need it.

**Sol**<sup>®</sup>  
Reliable. Renewable. Remarkable.

**ecogise**<sup>™</sup>  
LOVIN THE POWER  
[www.ecogise.co.nz](http://www.ecogise.co.nz)

# Solar Panel Mounting Options

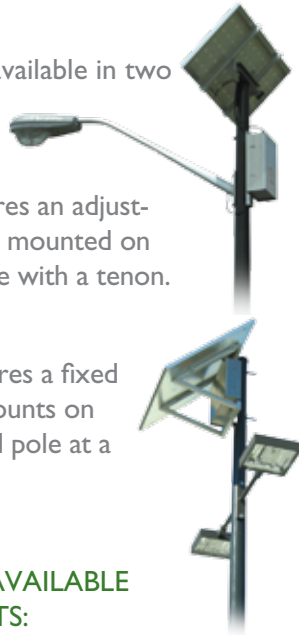
## Tilted Mount



- The tilted mount system features an integrated solar power module that mounts independently of the LED light fixture. This allows the solar panels to be oriented towards the equator for optimal solar charging and the LED light fixture to face in any direction putting light where you want it.
- The equipment mounts on your choice of a square or round standard pole, made of wood, fiberglass, steel, aluminum or concrete. Complete turnkey packages are available.
- The tilted mount is available in two configurations:
  - **Top of pole** – features an adjustable tilted solar array mounted on top of a standard pole with a tenon.
  - **Side of pole** – features a fixed angle bracket that mounts on the side of a standard pole at a 45-degree angle.

### MOUNTING ARMS AVAILABLE FOR TILTED MOUNTS:

4 or 6 ft Mast arm and 2 ft Stub arm.



## Flat Panel Mount



- The flat panel system is a highly reliable stand-alone system ideal for installations within 30 degrees latitude of the Equator.
- The flat panels present a low wind profile and installs in any direction, regardless of the sun path.
- High-wind zone system available for square and round poles.
- High-wind zone system certified to meet or exceed ASCE-7-05 specifications for 150 mph, Exposure D Extreme Wind Event.

### MOUNTING ARMS AVAILABLE FOR FLAT MOUNTS:

Triangle arm or Curve arm.



22 Quarantine Road, Annesbrook  
PO Box 1373 | Nelson 7040 | New Zealand  
Ph: 0800 4 326 4473 | Fx: 03 547 1324  
[www.ecogise.co.nz](http://www.ecogise.co.nz)