

ReLuminate

Standalone Off-Grid Streetlight



Overview

GreenBlue Urban are delighted to introduce the Standalone Off-Grid Streetlight. Combining solar and wind power to provide the most effective Off-Grid light system on the market, users can be confident in 100% energy availability during dark hours, all year round. This highly engineered product is solid and durable enough for the most demanding circumstances, both the structural pole and all the electronic components and technology throughout.

As completely Off-Grid, this provides a true net-zero carbon solution, not only eliminating any use of grid energy but also eliminating the expense and inconvenience of power infrastructure installations. With low cost to purchase and install, and zero maintenance costs, going Off-Grid means it will quickly pay for itself.

Features

- Vertically oriented and 360° deployed Solar PV Panels
- 300w peak output wind turbine
- Highly engineered steel and rotomoulded components
- Efficient Li-Ion battery technology
- Highly functional programming controller system
- IK10 rated vandal resistant Solar PV Panel and luminaire housing
- 183Lumen PMMA polarised LED optics

Benefits

- 100% Off-Grid - zero carbon - zero noise - zero emissions
- Proven 100% energy availability during dark hours all year round, without requiring movement sensors to save energy
- Optimum radiation harvesting from Solar PV Panel design
- Provides sufficient lighting for P3-P1 lighting classes defined by the 1995 issue of CIE115
- Cost and time savings due to no power infrastructure requirements
- Easy installation with option of relocatable base
- Ecosystem sensitive / wildlife friendly LED colour adjustment
- IOT connectivity option available
- Maintenance free

	Code	Description
Product codes	RLOGS12A	OffGrid Streetlight Standard
	RLOGM16A	OffGrid Streetlight Mobile
	RLOGDCA	OffGrid Streetlight Data Connectivity

Dimensions Height of pole including extremity of wind turbine blade - 5.5mtrs

Solar PV Panels

2.6W
125x125mm
Relative efficiency at low light 97.3%
Si Polycrystalline, Producing 95.4W
0.4% annual degradation

Wind Turbine

Up to 300w PH peak output
3mtr/sec cut-in speed

Luminaire

ProVision ID 12v
16W 183 lumens per watt (Total 3000 lumen)
PMMA polarised optic

Technical Data

Battery

30Ah
192kWh usable energy
95% Round Trip Efficiency
Li-ion technology
1% annual degradation
3 day power back up

Programmable controller

MPPT
99% efficiency
Programmable timing function
Stepped control
Auto turbine cut-off
Battery safety cut-off

Accreditations & Awards
CE Certificate
ROHS Certificate
LIAQA
ENEC
Green Apple Award

Maintenance Zero maintenance requirements in normal use

Optional
Relocatable base for temporary / variable use - transportable by forklift
Data connectivity option - remote asset management / dynamic lighting control / smart city connectivity (IOT)
Ecosystem sensitive / wildlife friendly LED colour adjustment