

ZONKE LUMINA PRO



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MODEL NUMBER

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SPECIFICATIONS

LUMINAIRE : Lumina Pro - LM6 marine grade die cast aluminium. 10 year construction guarantee.

IP66 rated LED and gear compartment.

LIGHT SOURCE : The fitting is designed to operate a 80W LED. The high powered LED is mounted onto an aluminium circuit board.

HOUSING : All components are manufactured from powder coated stainless steel for coastal regions and powder coated galvanised mild steel for inland use.

MOUNTING : Plinth mounted or buried.

SOLAR PANEL : Monocrystalline solar panel, CINCO modules. Rated output 250W.

BATTERY : The rechargeable batteries are of different composite systems. The batteries are completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

MODULE BRACKETS : Tilt adjustable bracketing system for accurate sun path adjustment.

CHARGE CONTROLLER : Smart MPPT RF programable solar luminaire charge controller. Programable using handheld RF remote.

FEATURES :

All external cabling is UV stabilised with IP67 plug connectors, No tooling required for connecting.

Integrated "hot swop" electronic components.

Theft and vandal resistant.



Independently adjustable Solar panel and Luminaire

APPLICATION AREAS

Outdoor application.

Asymmetrical distribution.

Street Lighting

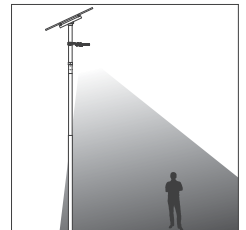
Area Lighting

Security Lighting

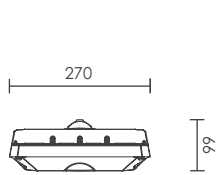
Parking Areas

Roads in off grid areas

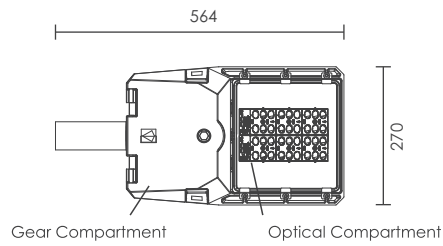
Road works and traffic control



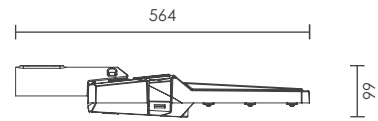
LUMINAIRE



Lumina Pro Front View



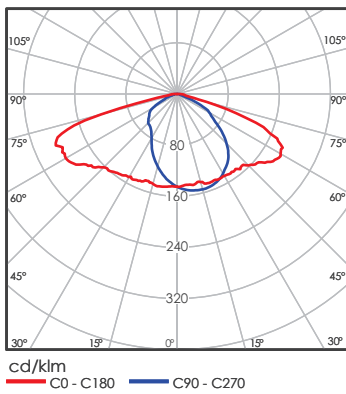
Lumina Pro Bottom View



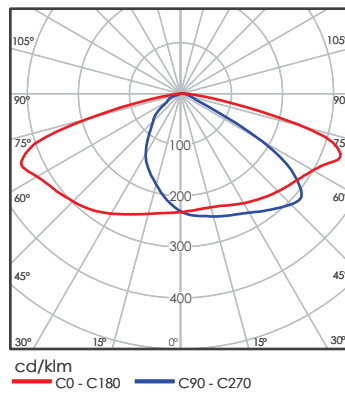
Lumina Pro Side View

LIGHT DISTRIBUTION

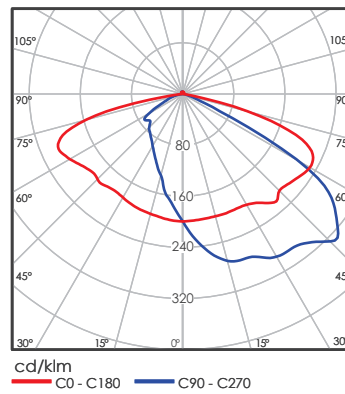
RLS541T2M



RLS542T3

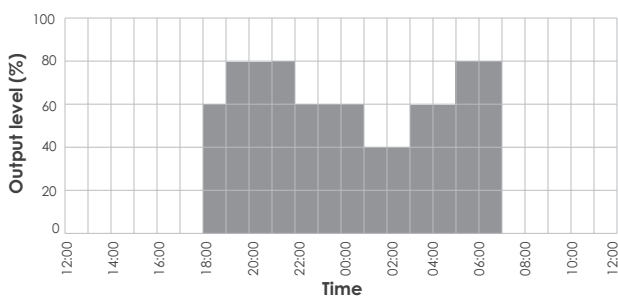


RLS543T3M

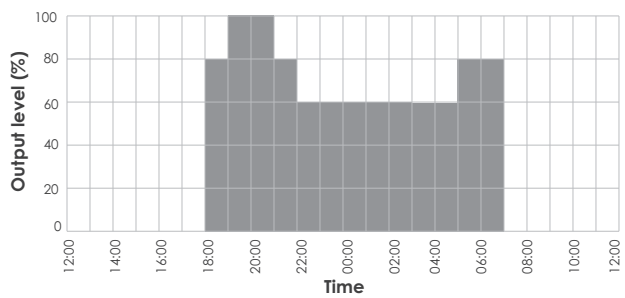


STANDARD stepDIM PROFILE

Dimming Profile 1
30...140W Zonke 65% Average light output



Dimming Profile 2
30...140W Zonke 70% Average light output



TECHNICAL INFORMATION

PRODUCT	LUMINA PRO
PARAMETER	80W
Nominal Power (W)	78W
Mounting Height (m)	6 - 9m
OPTICAL & LED PERFORMANCE	
Luminous Flux (lm)	16810 lm
Luminous Efficacy (lm/W)	189 lm/W
CCT (K)	4000K
CRI (%)	80
LED forward Current (mA)	525mA
BATTERY & ENERGY STORAGE	
Battery Type	LiFePO ₄
Tubular Dimensions (mm)	92mmØ x 1280mm
Battery Voltage (V)	12.8Vdc
Battery Capacity (Ah)	110Ah
Battery Energy (Wh)	1408Ah
Useable Battery Energy (Wh)	1267Wh
Depth of Discharge (%)	10%
Cycle Life	2000
Battery Protection	On Board BMS
SOLAR PANEL CHARGING	
Panel Power (Wp)	250W
CHARGING TIME	
Solar Input (Wp)	360Wh
Generated daily energy (Wh) x 6hrs	1267Wh
Hours to charge battery	3.5hrs
DAYS OF AUTONOMY	
Mode	StepDIM + Motion Sensor
Average LED Power (W)	50W
Duty / Profile	StepDIM + Motion Sensor
Average Daily consumption (Wh) StepDIM	550Wh
Autonomy (days) StepDIM	2 Days
MOTION SENSOR / CONTROLS	
Sensor Type	MicroWave Sensor
Detection Range (m)	6 - 10m
Detection Angle (°)	65°
Additional Controls	StepDIM
CERTIFICATION & WARRANTY	
Electronics & Battery Warranty	5 Years
Panel Warranty	8 Years
Certification	SANS 60598-2-3

DIMENSIONS MM

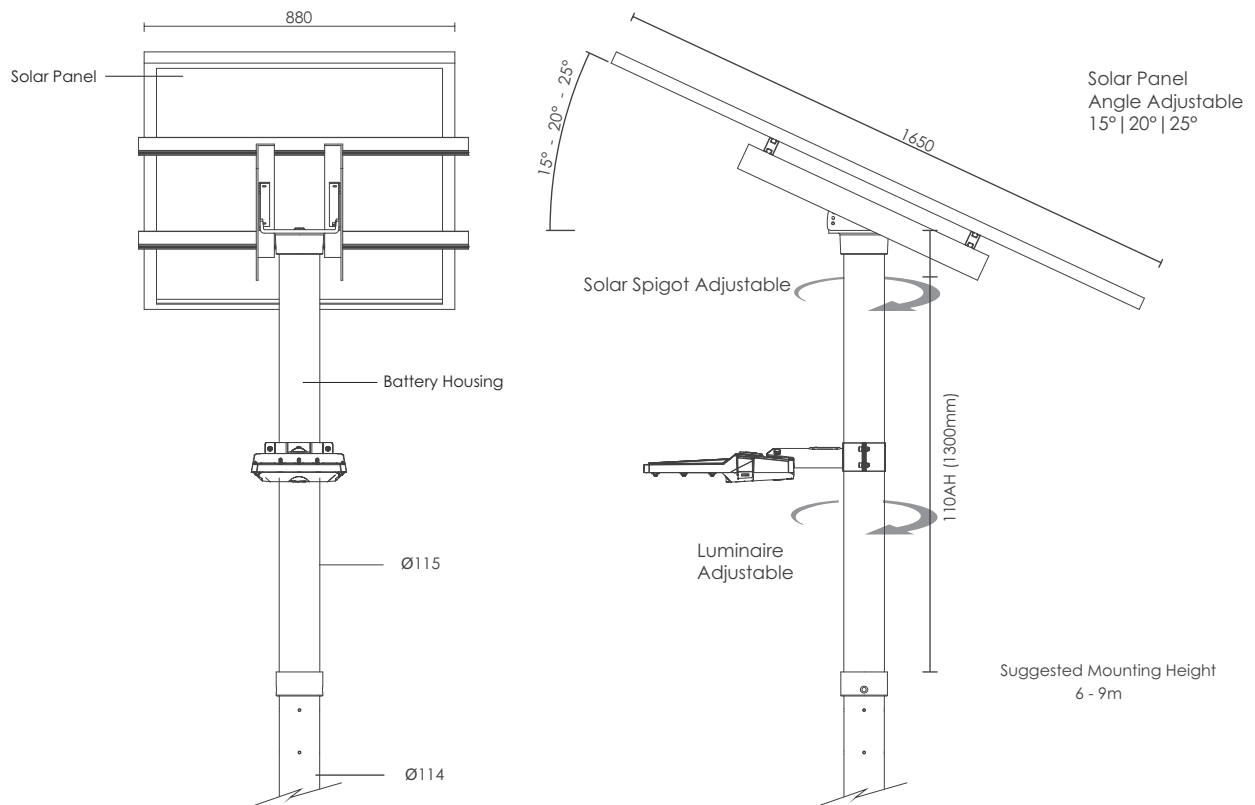
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WINDAGE : 110AH

Max. projected areas for mounting 0.814m².

SOLAR PANEL	BATTERY SIZE	LIGHT FITTING
250W	110AH	ISTRIA 80W



POLE REQUIREMENT :

Ø114.3mm x 3mm

Steel pole

Sold separately