

LALUNA

SOLAR LIGHT COLUMN

LALUNA combines self-sufficient solar technology with a distinctive architectural form and comfortable downward illumination. Designed for locations without readily available grid power, it provides dependable lighting for pathways, parks, gardens, and other outdoor environments.

HEIGHT Standard, 13.1 ft above grade

Custom heights available. Specify on page 2.



LIGHT SOURCE

Source	LED
CCT	3000K standard
Lumen Output	1,100 Lm – 7,000 Lm. Refer to page 3
Efficiency	180 lm/W
Power	Max 60 Watts (higher wattage available upon request)
L80 Life	>100,000 hours
Rating	IP65

GENERAL

Material	Steel pole and aluminum parts
Impact Resistance	IK06
Finish	Galvanized and powder coat
Weight	Pole 61.7 lb. [28 kg]; tower and housing 39.7 lb. [18 kg]
Wind Load	115 mph (185 km/h). Higher wind loads only upon request
Salt Spray Test	ISO 9227:2012
Warranty	5 Years
Certification and Listing	ETL Listing pending — Intertek, to ANSI/CAN/UL 8801

SOLAR MODULE

Solar Module	Monocrystalline silicon cells, processed by Photinus
Efficiency	18.9%
Max Performance P _{mpp}	160 Wp* / 4 solar modules & 320 Wp* / 8 solar modules

*Wp = Watt Peak: maximum power output under standard conditions. Modules also charge in cloudy conditions.

BATTERY

Battery	LiFePO4 / 538 Wh (12.8V 42Ah) or 2 x 42 Ah / 1075 Wh
Operating Temperature	-4°F to 140°F [-20°C to 60°C]
Battery Life	>10 years
Protection Class	IPX8

Battery is placed underground with both mounting types. Refer to page 5.

ORDER CODE

MODEL	CCT	OPTIC	TIME MANAGEMENT		
LALUNA	30 Standard 3000K 40 4000K* <small>*upon request</small>	PATH AND STREET SCL T2 T3 AREA T4B VSM <small>Refer to page 4.</small>	V5 Standard Setting V0 No Time Management V3 Continuous lighting 100% V3M Light-on-Demand, requires PIR/PILG option V4 Night-time reduction to 40% <small>For other time management options, consult factory.</small>		

HEIGHT	WIND LOAD	MOUNTING	FINISH	OPTIONS	LOCATION
HS Standard Height Hx Specify Height* x = height in ft <small>*Consult factory.</small>	W115 115 mph Wx Specify Wind Load* x = wind load in mph <small>*Consult factory.</small>	PF Pipe Foundation ABO Anchor Base with Opening	D Dark	00 None PIR Sensor PILG All-in-one E-safe Hub Sensor MGP Marine Grade Primer	ADDRESS Provide Full Address of Installation

SPECIFY YOUR CODE — example values shown in grey

LALUNA

MODEL

CCT

30

OPTIC

SCL

TIME

V5

HEIGHT

HS

WIND

W115

MOUNT

PF

FINISH

D

OPTIONS

00

LOCATION

ADDRESS

STREET

CITY

STATE

ZIP

STANDARD LUMEN OUTPUT

ALL VALUES AT 180 LM/W

For information purposes only. The required number of solar panels will be determined by the manufacturer to accommodate the necessary solar intake and achieve the desired lumen output for each specific project.

SEATTLE, WA latitude 47.608013

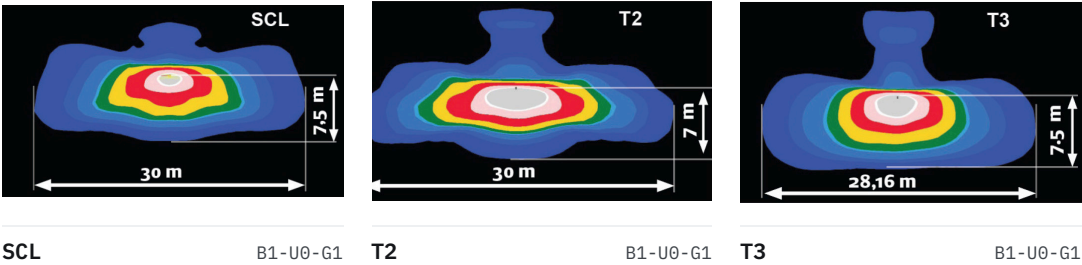
MODEL	TIME MANAGEMENT	WATTAGE	EST. LUMEN OUTPUT
LALUNA 150 4 solar panels	V5 Standard Setting	9.6 W	1744 Lm
	V3M reduction to 10% and activated at 100%	16.5 W	2972 Lm
	V4 Night-time reduction to 40%	6.3 W	1142 Lm
LALUNA 300 8 solar panels	V5 Standard Setting	11.3 W	2048 Lm
	V3M reduction to 10% and activated at 100%	21.7 W	3907 Lm
	V4 Night-time reduction to 40%	9.6 W	1744 Lm

PALM SPRINGS, CA latitude 33.830517

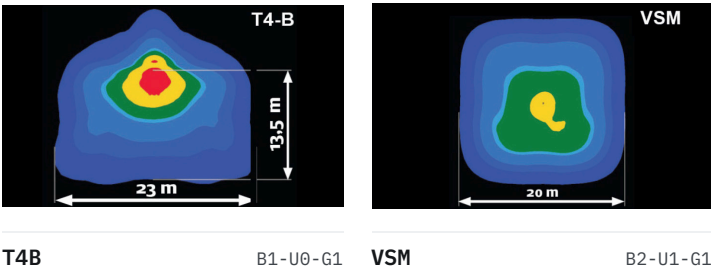
MODEL	TIME MANAGEMENT	WATTAGE	EST. LUMEN OUTPUT
LALUNA 150 4 solar panels	V5 Standard Setting	19.9 W	3594 Lm
	V3M reduction to 10% and activated at 100%	39.3 W	7080 Lm
	V4 Night-time reduction to 40%	14.7 W	2663 Lm
LALUNA 300 8 solar panels	V5 Standard Setting	37.5 W	6759 Lm
	V3M reduction to 10% and activated at 100%	71.7 W	12922 Lm
	V4 Night-time reduction to 40%	28.7 W	5167 Lm

PHOTOMETRICS

PATH AND STREET OPTICS

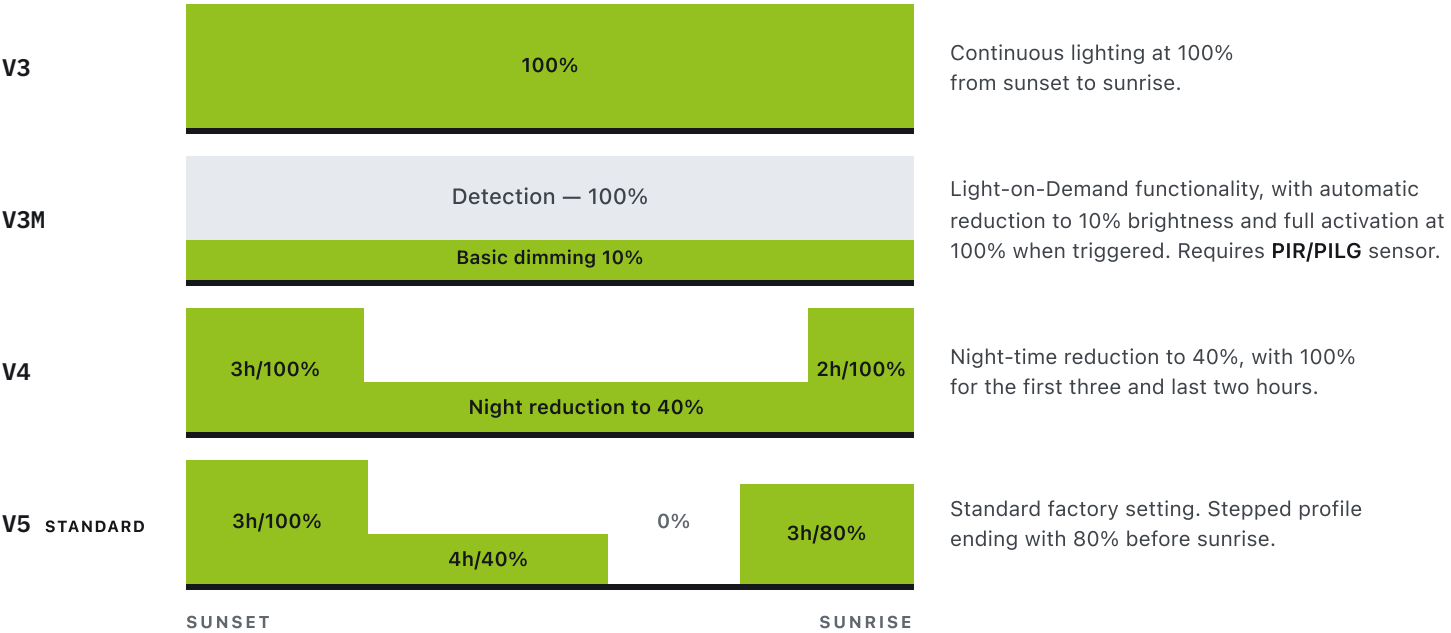


AREA OPTICS



Additional optics are available upon request. IES files for all distributions are supplied on request.

ENERGY AND TIME MANAGEMENT



OPTIONS

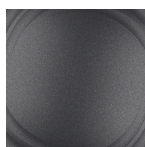
PIR / PILG Sensor / all in one E-safe Hub Sensor

Each luminaire can be equipped with a PIR sensor for stand-alone or networked light-on-demand control. One GPS-equipped luminaire enables real-time communication across the system, allowing fixtures to adjust output based on activity for improved efficiency, reduced light pollution, and dependable illumination when needed.

MGP Marine Grade Primer — additional corrosion protection for coastal and high-salt environments.



FINISH



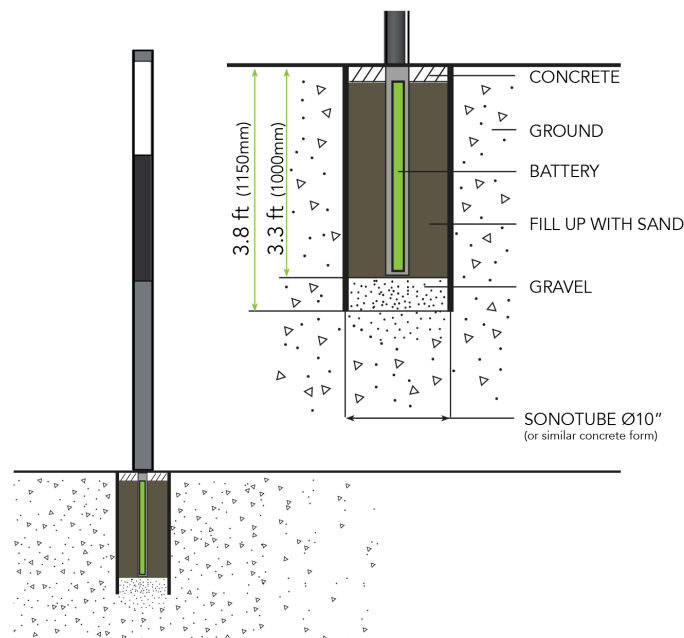
D Sparkling Iron Effect Dark

Tiger 29/70787
Powder Coat

MOUNTING

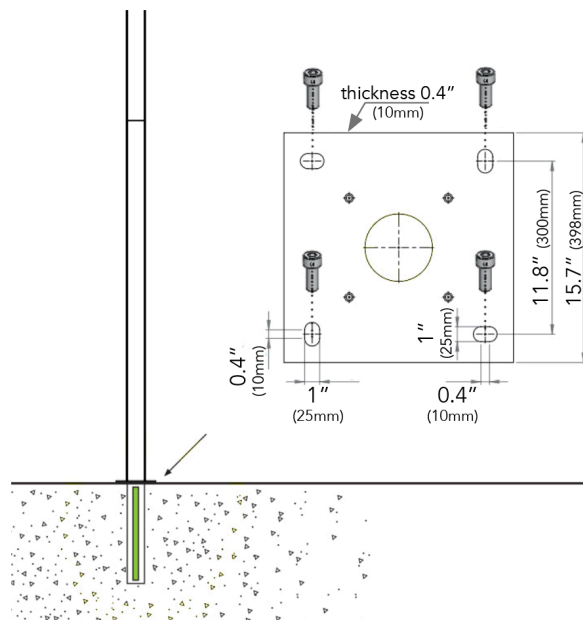
PF Pipe Foundation

Battery placed underground.



ABO Anchor Base with Opening

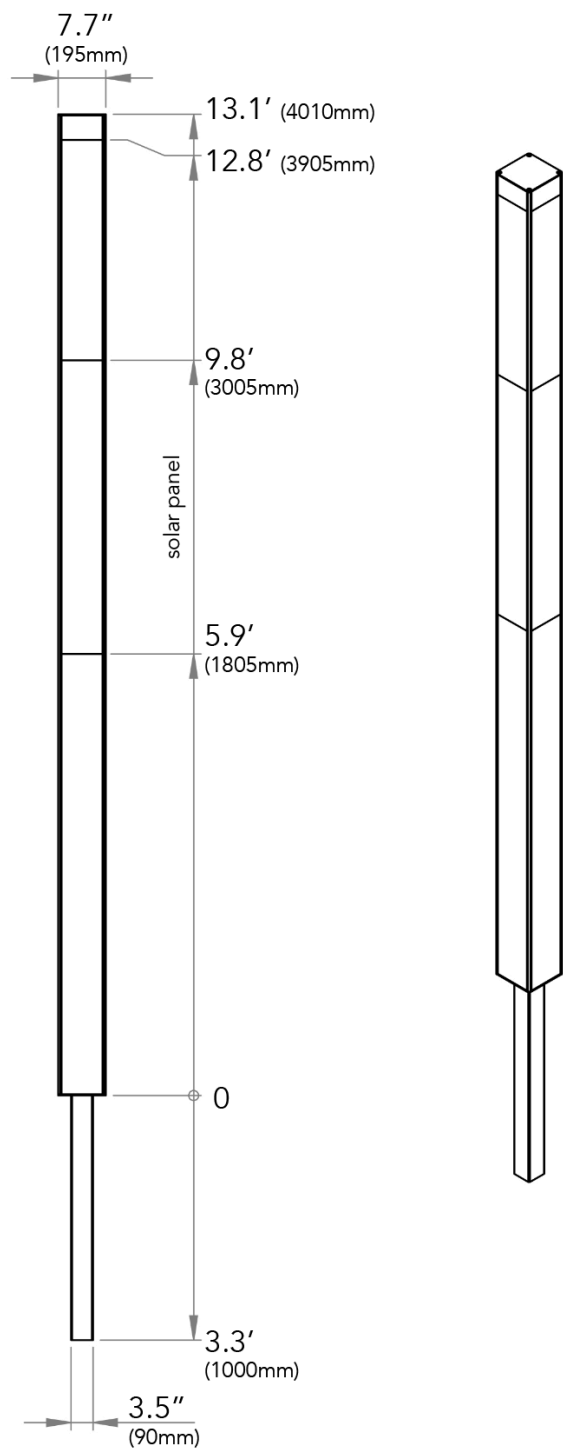
Base plate detail. Battery placed underground.



For informational purposes only. The final size of the base plate is contingent upon the luminaire size. A larger luminaire will require a larger base plate; a smaller luminaire will require a smaller base plate.

DIMENSIONS — STANDARD HEIGHT

Front elevation — left Perspective — right



For informational purposes only. The final luminaire is contingent on the installation location and the desired lumen output. Locations with reduced direct solar intake might require a pole with a larger solar panel. Custom heights are available. Drawings provided upon request.