LUMIELLE

SOLAR LIGHT COLUMN

LUMIELLE combines solar-powered illumination with a distinctive light-column design for architectural and advertising applications. Its self-sufficient operation allows installation without trenching or wiring, providing a flexible solution for pathways, courtyards, parks, and other off-grid locations.

HEIGHT Standard, 11.5 ft above grade

Custom heights available. Specify on page 2.

LIGHT SOURCE

Source	LED
CCT	5000K standard
Lumen Output	1,000 Lm – 6,000 Lm. Refer to page 3
Efficiency	160 lm/W
Power	Max 60 Watts
L80 Life	>100,000 hours
Rating	IP65

GENERAL

Material	Steel pole, aluminum parts and acrylic glass
Impact Resistance	IK06
Finish	Galvanized and powder coat
Weight	145.5 lb. [66 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

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

BATTERY

Battery	LiFePO4 / 538 Wh (12.8V 42Ah)
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
LUMIELLE	**50** Standard 5000K **18** 1800K* **22** 2200K* **27** 2700K* **30** 3000K* **40** 4000K* **AB** Amber* *upon request	**SPH** Standard Optic Refer to page 3.	**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% For other time management options, consult factory.

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

SPECIFY YOUR CODE — example values shown in grey

LUMIELLE	–		–		–		–		–		–		–		–	
MODEL		CCT		OPTIC		TIME		HEIGHT		WIND		MOUNT		FINISH		OPTIONS
		50		SPH		V5		HS		W115		PF		D		00

LOCATION

ADDRESS STREET _____ CITY _____ STATE _____ ZIP _____

STANDARD LUMEN OUTPUT

ALL VALUES AT 160 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.

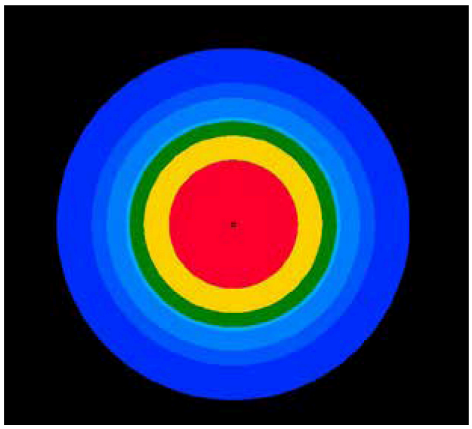
SEATTLE, WA latitude 47.608013

MODEL	TIME MANAGEMENT	WATTAGE	EST. LUMEN OUTPUT
LUMIELLE 4 solar panels	**V5** Standard Setting	9.6 W	**1550 Lm**
	V3M reduction to 10% and activated at 100%	16.5 W	**2642 Lm**
	V4 Night-time reduction to 40%	6.3 W	**1015 Lm**

PALM SPRINGS, CA latitude 33.830517

MODEL	TIME MANAGEMENT	WATTAGE	EST. LUMEN OUTPUT
LUMIELLE 4 solar panels	**V5** Standard Setting	19.9 W	**3195 Lm**
	V3M reduction to 10% and activated at 100%	39.3 W	**6293 Lm**
	V4 Night-time reduction to 40%	14.7 W	**2367 Lm**

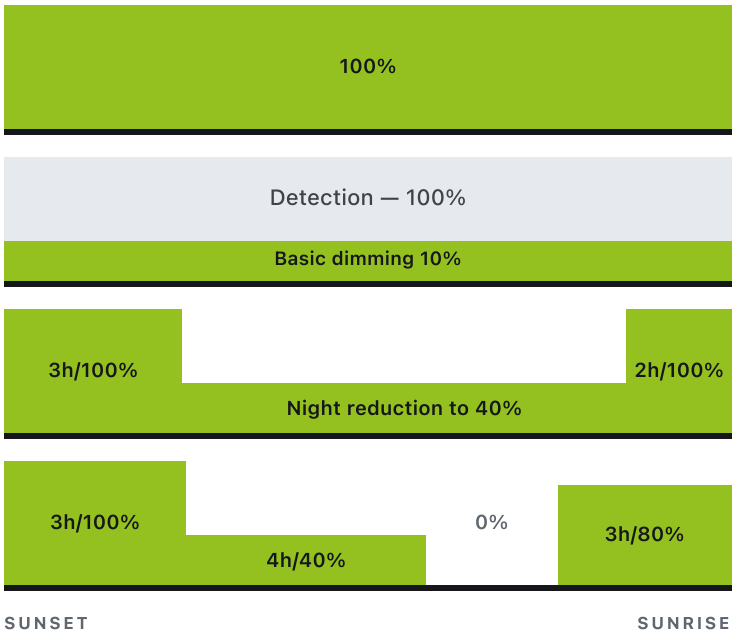
PHOTOMETRICS



SPH Standard Optic

IES files are supplied on request.

ENERGY AND TIME MANAGEMENT



V3 Continuous lighting at 100% from sunset to sunrise.

V3M Light-on-Demand functionality, with automatic reduction to 10% brightness and full activation at 100% when triggered. Requires **PIR/PILG** sensor.

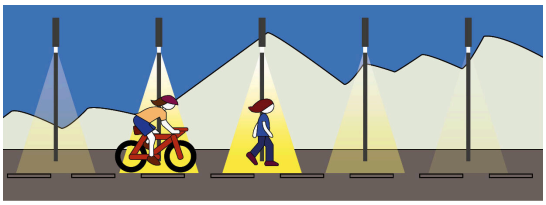
V4 Night-time reduction to 40%, with 100% for the first three and last two hours.

V5 STANDARD Standard factory setting. Stepped profile ending with 80% before sunrise.

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.



CG Custom Graphic — printed graphics applied to the acrylic column faces. Consult factory.

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

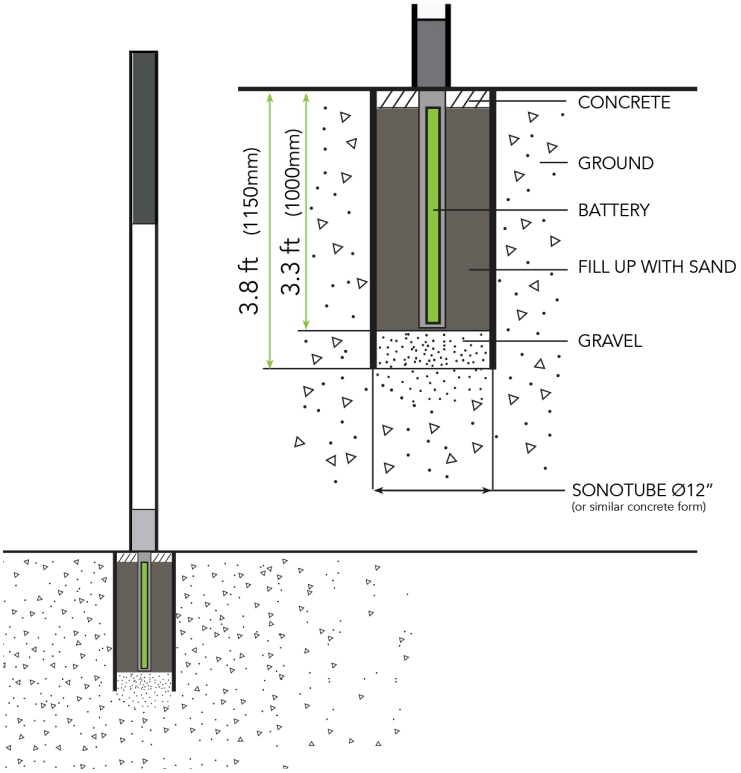
FINISH

D Sparkling Iron Effect Dark

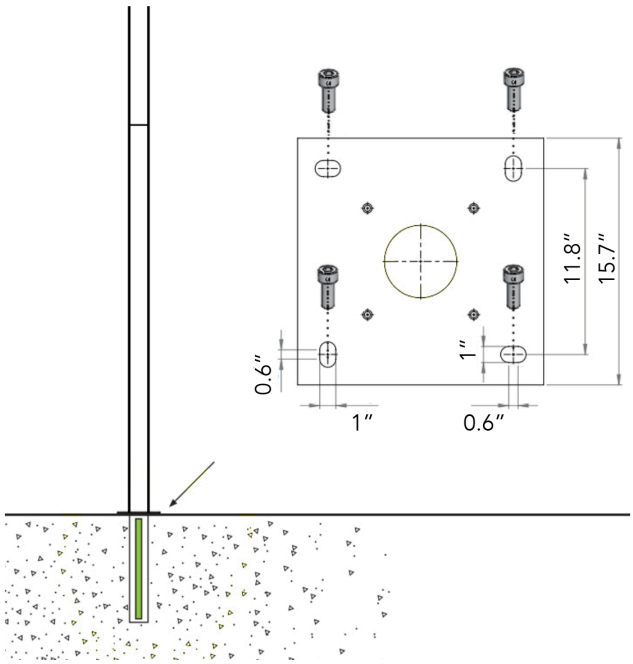
Tiger 29/70787
Powder Coat

MOUNTING

PF Pipe Foundation — battery placed underground



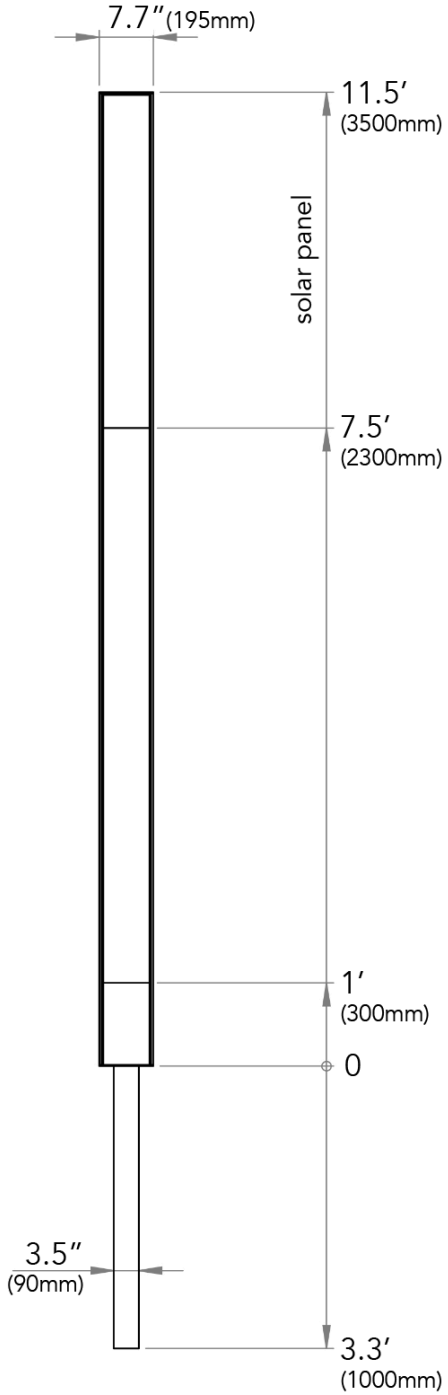
ABO Anchor Base with Opening — base plate detail, battery placed underground



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 — datum 0 at grade



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.