ALTEZZA

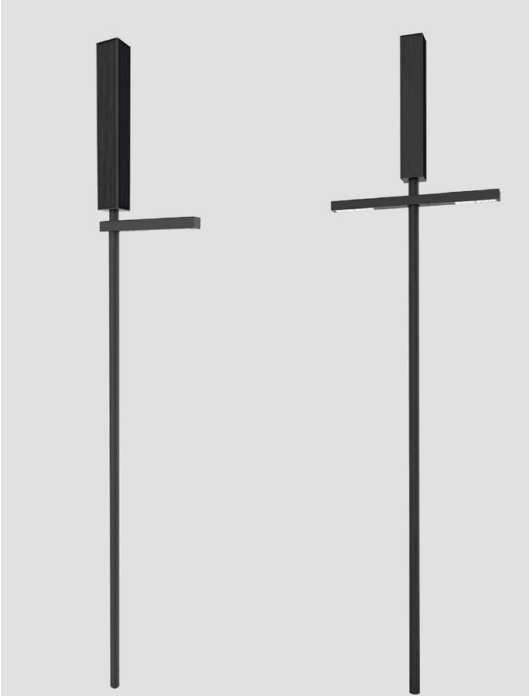
SOLAR AREA LUMINAIRE

ALTEZZA is a self-sufficient solar luminaire designed for dependable lighting where grid power is unavailable. Vertical solar modules support consistent energy capture in challenging weather, while single or dual light configurations provide flexibility for a wide range of outdoor applications.

HEAD Single / Dual

HEIGHT Standard, 13.8 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	IP67

GENERAL

Materials	Galvanized steel pole
Impact Resistance	IK06
Finish	Powder coated aluminum
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

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	Up to 10 years
Protection Class	IPX8

Battery is placed underground with both mounting types. Refer to page 6.

ORDER CODE

MODEL	HEAD	CCT	LUMEN OUTPUT	OPTIC	TIME MANAGEMENT
ALTEZZA	**S** Single **D** Dual	**30** Standard 3000K **18** 1800K* **22** 2200K* **27** 2700K* **40** 4000K* **50** 5000K* **AB** Amber* *upon request	**LL** 1700 Lumens with V5 standard management setting **xL** Specify Lumen Output* x = output in Lumens *Consult factory.	PATH AND STREET **T2** **T2L** **T3** **DWC** **DWCSCL** BIKE PATH **T3L** **SCL** AREA **ME PLACE** **T4B** **VSM** **FW** CROSSWALK **PXL** **PXR**	**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 **AGS** Anti Glare Shield **DS** Dark Sky Shield **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

ALTEZZA	–		–		–		–		–		–		–		–		–		–	
MODEL		HEAD		CCT		LUMEN		OPTIC		TIME		HEIGHT		WIND		MOUNT		FINISH		OPTIONS
		S		30		LL		T2		V5		HS		W115		PF		D		00

LOCATION

ADDRESS STREET _____ CITY _____ STATE _____ ZIP _____

STANDARD LUMEN OUTPUT

ALL VALUES AT 180 LM/W · 4 SOLAR PANELS

For information purposes only. Final luminaire settings 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

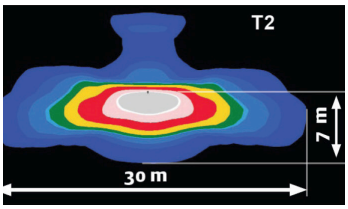
MODEL	TIME MANAGEMENT	WATTAGE	EST. LUMEN OUTPUT
ALTEZZA Single Head	**V5** Standard Setting	9.6 W	**1744 Lm**
	V3M reduction to 10% and activated at 100%	16.5 W	**2972 Lm**
	V4 Night-time reduction to 40%	6.3 W	**1142 Lm**
ALTEZZA Dual Head	**V5** Standard Setting	9.6 W	**1744 Lm**
	V3M reduction to 10% and activated at 100%	16.5 W	**2972 Lm**
	V4 Night-time reduction to 40%	6.3 W	**1142 Lm**

PALM SPRINGS, CA latitude 33.830517

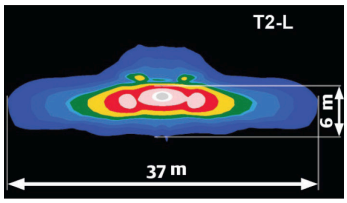
MODEL	TIME MANAGEMENT	WATTAGE	EST. LUMEN OUTPUT
ALTEZZA Single Head	**V5** Standard Setting	19.9 W	**3594 Lm**
	V3M reduction to 10% and activated at 100%	39.3 W	**7080 Lm**
	V4 Night-time reduction to 40%	14.7 W	**2663 Lm**
ALTEZZA Dual Head	**V5** Standard Setting	19.9 W	**3594 Lm**
	V3M reduction to 10% and activated at 100%	39.3 W	**7080 Lm**
	V4 Night-time reduction to 40%	14.7 W	**2663 Lm**

PHOTOMETRICS

PATH AND STREET OPTICS



T2 B1-U0-G1



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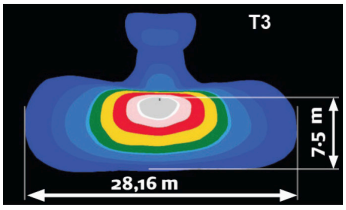
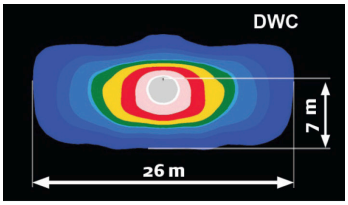
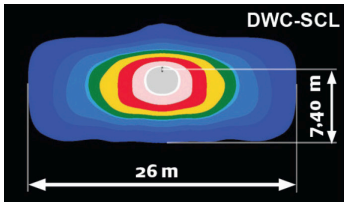


T3 B1-U0-G1

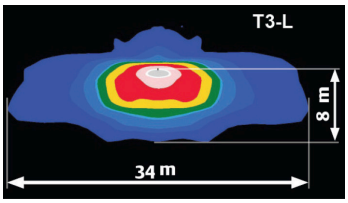


DWC B1-U0-G1

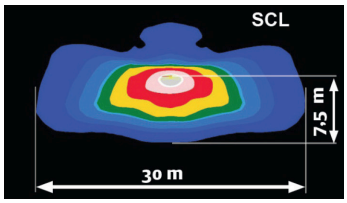


DWCSCL B1-U0-G1

BIKE PATH AND SMALL ROAD OPTICS

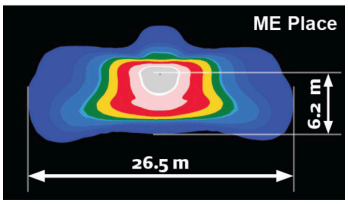


T3L B1-U0-G1

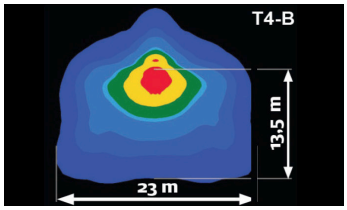


SCL B1-U0-G1

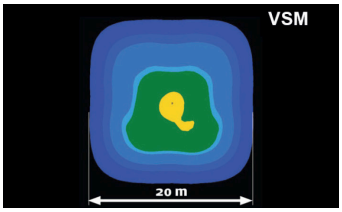
AREA OPTICS



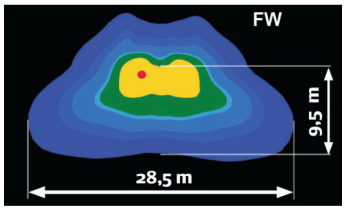
ME PLACE B1-U0-G1



T4B B1-U0-G1

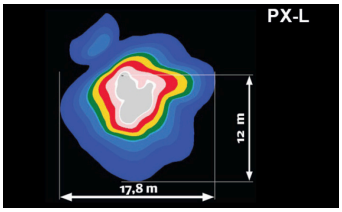


VSM B2-U1-G1

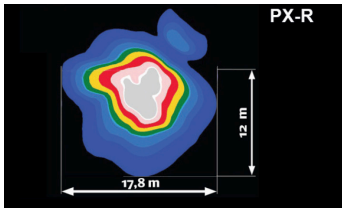


FW B1-U0-G1

CROSSWALK OPTICS

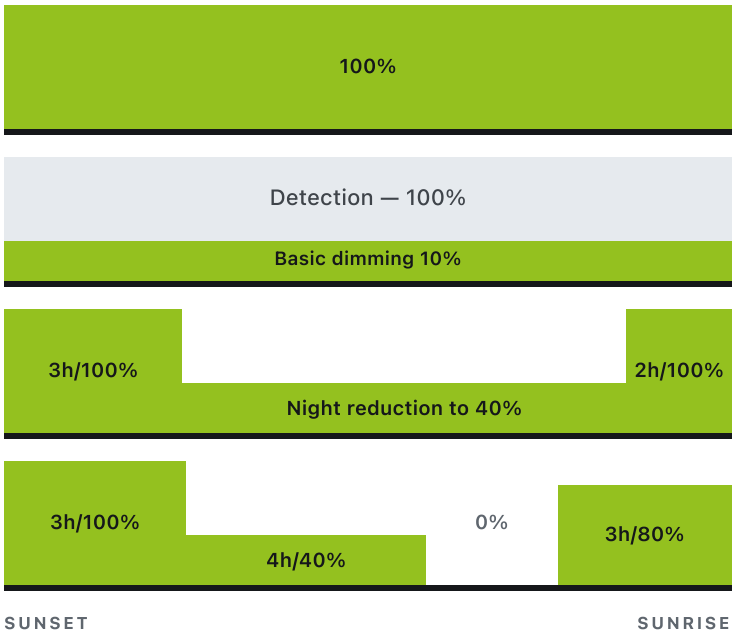


PXL B1-U1-G1



PXR B1-U1-G1

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.

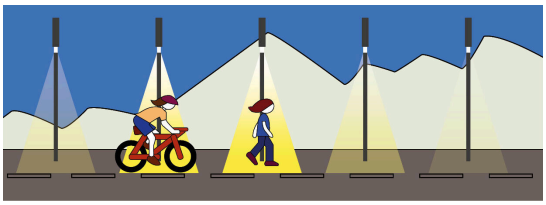
V4 Night-time reduction to 40%, with 100% for the first three and last two hours.

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

OPTIONS

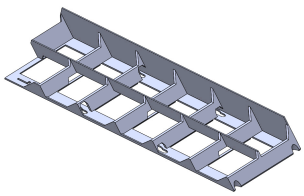
PIR / PILG Sensor / all in one E-safe Hub Sensor

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.

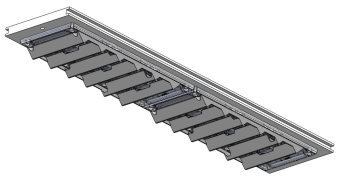


MGP Marine Grade Primer — additional corrosion protection for coastal and high-salt environments.

AGS Anti-Glare Shield



DS Dark Sky Shield



Images for information purposes only. Shields will vary according to luminaire requirements.

FINISH

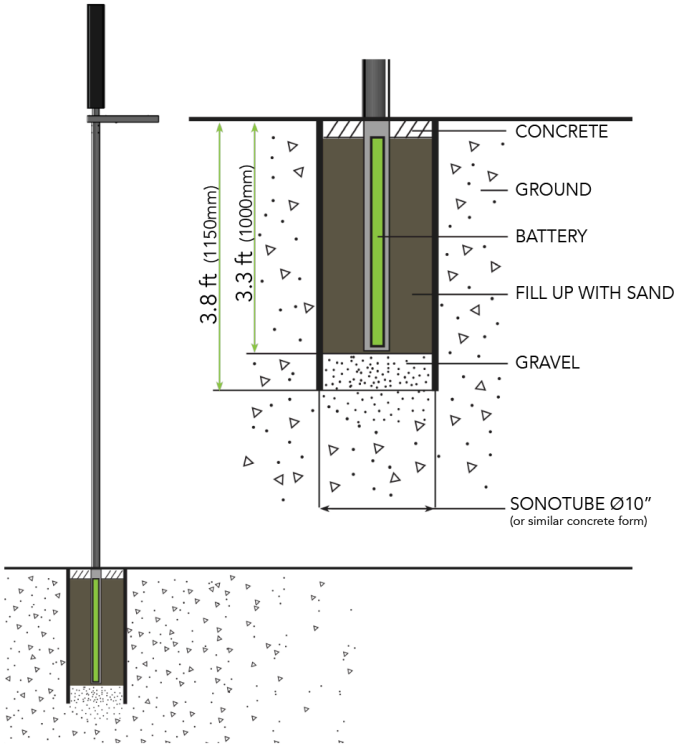
D Sparkling Iron Effect Dark

Tiger 29/70787
Powder Coat

MOUNTING

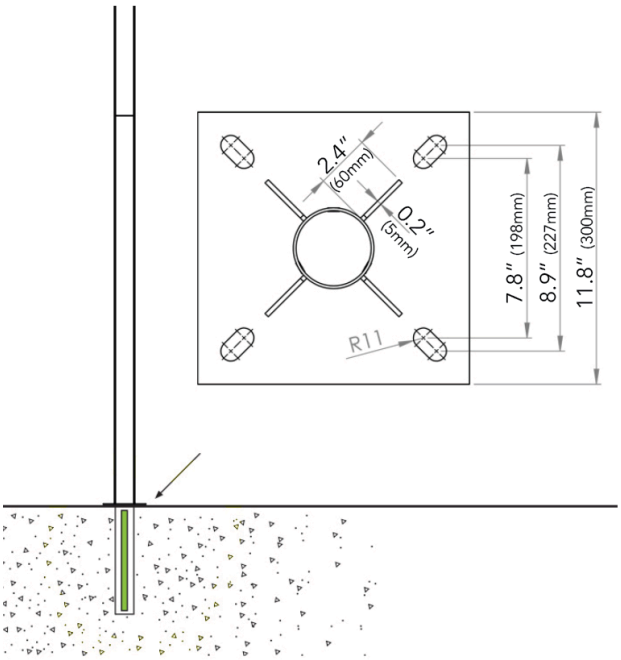
PF Pipe Foundation

Battery placed underground.



ABO Anchor Base with Opening

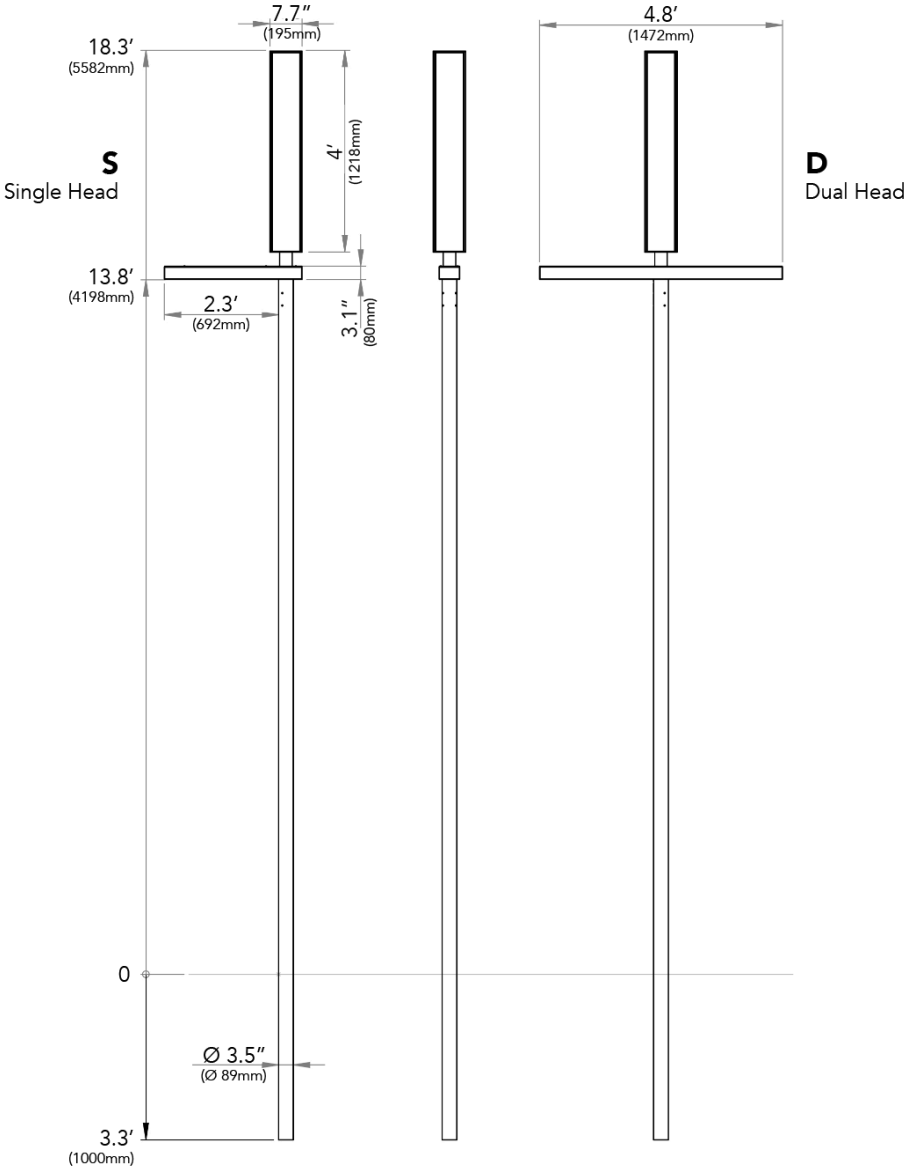
Base plate detail. Battery placed underground.



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

S Single Head — left and center **D Dual Head** — 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.