

Case Study: Solar Lights

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Problem: An open pit mine in the state of Sonora, Mexico needed lights for a road inside the mine at the point where they change from right to left hand drive. The lights needed to be solar powered on top of a 10-meter pole and they needed to last the whole night.

Solution: After talking with Vision X and G3 Engineering on different options, APS decided to go with the Vision X VL-Pitmaster 48V DC Tower Light. G3 worked on the logistics, and three weeks after, they installed and tested the first lights. Thus far, they have been very happy with the results, and may order more in the future.



Vision X VL-Pitmaster (OEM 48V DC)

Combines Tough Housing with Advanced Optics



Features and Benefits

- Compact and Durable Die-Cast Housing Construction
- 56 High Output LEDs
- 60° Beam Pattern
- DC Light Fixture

The VL-Pitmaster is a dedicated tower light retrofit. It combines tough compact housing with advanced optics to make a versatile LED replacement for metal halide or HPS fixtures. High quality construction and components enable this tower light to withstand vibration of up to 21.2 Grms. Black trunnion sold separately. This unit is to be used with a specifically tuned 48V DC-DC converter to provide constant voltage to the fitting ensuring a long maintenance free life for your light tower.

Part No.	Description
VSP025660G	VL PMX Series Tower Light Head, 2W LED, 60° beam, Grey, 48VDC
VAGPTR	VL PMX Series Trunnion Bracket Tower Light, Grey
DDR-240-C48	VL Series DC-DC Power Supply

Type of LEDs	1.8W LED
Lumens	15,351lm
Beam Pattern	60°
Wattage	100W
Amp Draw	8.3A @ 12V DC
Color Temperature	5000K
Operating Voltage	48V DC Light Tower Spec.
Operating Temperature	-40°C ~ 85°C
Lifespan	50,000 hours
EMC	CISPR 25 Class 3
Polarity	Reverse Polarity Protection
	Full output @ 40°C
Electronic Thermal Management	10% Dimmed @ 60°C
	20% Dimmed @ 85°C
Connector	Deutsch DT04-2P
Housing Material	Aluminum
Lens	Polycarbonate
Finish	Marine Grade Gloss Black
Ingress Protection	IP68/IP69K
Vibration Rating	21.2 Grms
Salt Spray	ISO 9227
Fixture Weight	5.8lbs (2.5kg)
W/ Power Supply and Bracket	9.15lbs (4.15kg)
Shipping Weight	10.89lbs (4.94kg)
Mounting	Trunnion (Optional)

Contact your local APS representative to discuss how we can tailor a solution to meet your needs.

Authorised Importer and Master Distributor

