



LED Lighting For Carts & Towers

VL-Pitmaster Series

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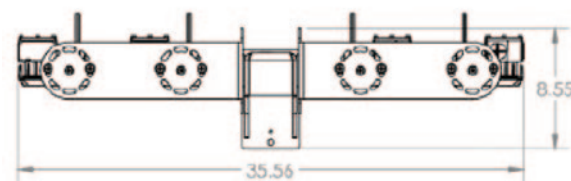
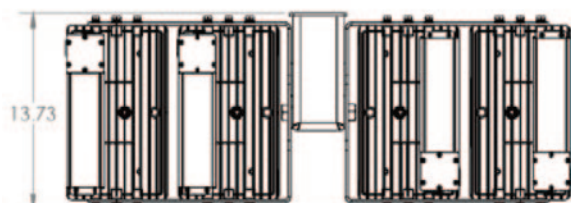
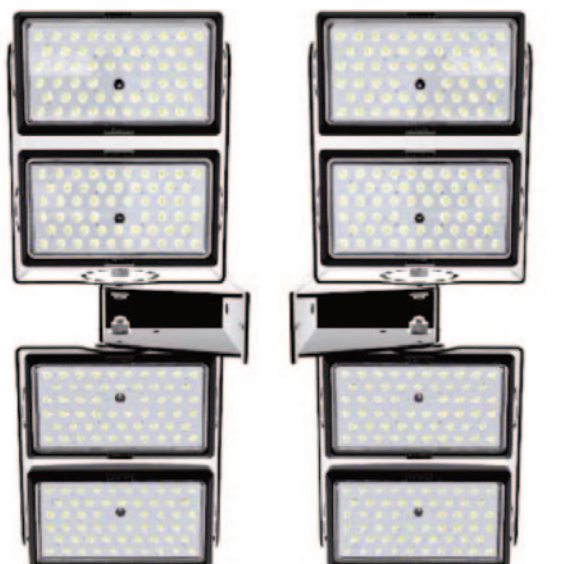
Tower Lighting

LED Flood Lights



Vision X Light Tower Upgrade - VL-Pitmaster Kit

The Light Tower Upgrade is a direct bolt-on factory replacement kit. Designed with powder coated mild steel brackets this kit offers robust mounts with an easily adjustable aiming system. The VL-Pitmaster LED fixture illuminates a wide area with advanced optics resulting in outstanding light output.



Features

- Direct Bolt-On Factory Replacement
- Easy Angle Alignment
- 130,000+ Lumen Output
- 8-Tower Light Fixtures with Power Supply
- 2 Trunnion Brackets
- 2 Arm Mounts

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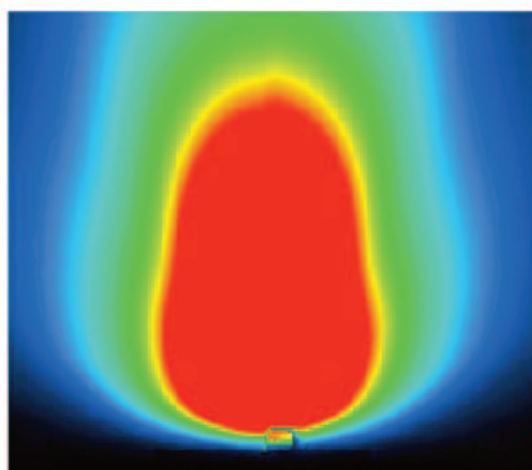
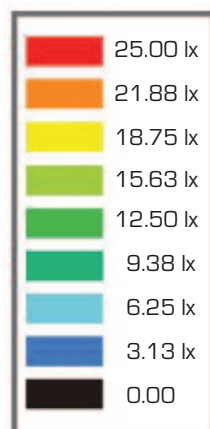
Technical Specifications

Fixture Weight	77.5lbs (34 .25kg)
Mounting	Direct Bolt-On Arm Mount
Mounting	1.8W LED
Type of LEDs	134,280lm
Beam Pattern	60°
Wattage	800W
Amp Draw	7.27A @ 110V AC
Color Temperature	110-480V Available
Operating Temperature	-40°C ~ 85°C
Lifespan	5G (IEC60068-2-6)
EMC	IEC60529, IP67
Polarity	ISO9227 720H/ C5-M
Connector	-30°C to +60°C (overheat protection)
Mounting Bracket Material	Powder Coated Mild Steel
Lens	Polycarbonate
Finish	Marine Grade Gloss Black or Grey
Ingress Protection	IP68/ IP69K
Vibration Rating	2 1.2 Grms
Salt Spray	ISO 9227

Part No.

Description

VSP025660PS	Light Tower Upgrade: Light Fixture
ABKOELPALMNLADBK	Light Tower Upgrade: Arm Mount
ABKACPMXDBLTNLADBK	Light Tower Upgrade: Trunnion Brackets

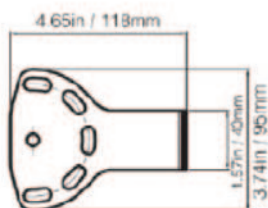
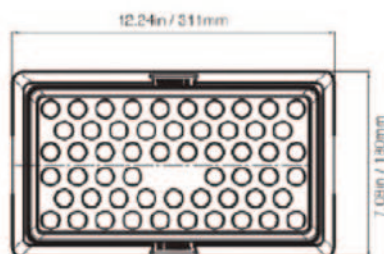


Mobile Equipment Lighting

LED Replacement for Metal Halide or HPS Fixtures



VL-Pitmaster Series (AC)



The VL-Pitmaster series combines tough compact housing with advanced optics that makes a versatile LED replacement for metal halide or HPS fixtures. High-quality construction and components enable this series tower light to withstand vibration of up to 21.2 Grms. This fixture is compatible with all AC Series accessories. Black or grey trunnion sold separately.

Features

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

Technical Specifications

Type of LEDs	1.8W LED
Lumens	16,785lm
Beam Pattern	60°
Wattage	100W
Beam Pattern	60°
Wattage	800W
Amp Draw	0.9A @ 12V DC
Color Temperature	5000K
Operating Voltage	100-277V AC
Operating Temperature	-40°C ~ 85°C
Lifespan	50,000 hours
EMC	Varies Per Power Supply
Polarity	Reverse Polarity Protection
Connector	Deutsch DT04-2P
Mounting Bracket Material	Powder Coated Mild Steel
Housing Material	Aluminum
Lens	Polycarbonate
Finish	Marine Grade Gloss Black or Grey
Ingress Protection	IP-68/ IP69K, CISPR 25
Vibration Rating	2 1.2 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)

Part No.	Description
VSP025660GTRPS	VL-Pitmaster Series 100W, 60° Flood beam, Grey c/w 100-277VAC PS, TR Bracket

Part No.	Description
VSP025660GTR	VL-Pitmaster Series 2W LEDs, 60° beam, Grey, 48VDC (excludes JBOX, PS)
XPC-PS100-48A	Power Supply, 100W, 48V DC, 100-277VAC, CE
VX-PS150-24-JB	VL Series JBOX AC

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Mobile Equipment Lighting

Portable Lights



VL-Pitmaster Series (OEM 48V DC)



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 tower.

Features

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



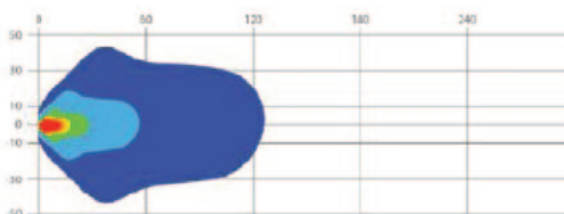
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Technical Specifications

Type of LEDs	1.8W LED
Lumens	15,351 lm
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
Electronic Thermal Management	Full output @ 40°C
	10% Dimmed @ 60°C
	20% Dimmed @ 85°C
Connector	Deutsch DT04-2P
Housing Material	Aluminum
Lens	Polycarbonate
Finish	Marine Grade Gloss Black
Ingress Protection	IP-68/IP69K
Vibration Rating	2 1.2 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)

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

60° Beam Pattern



Tower Lighting



VL-Pitmaster Kit Energy and Fuel Savings

Wattage of Old Fixture: 625W

Wattage of VX LED Fixture: 100W

Number of Fixtures: 8

Hours Per Day : 12

Light Plant Max Power: 66.66 Amps

Light Plant Voltage: 120V AC Factory

Full Load Fuel Consumption: 3.4 Gallons/Hr LED

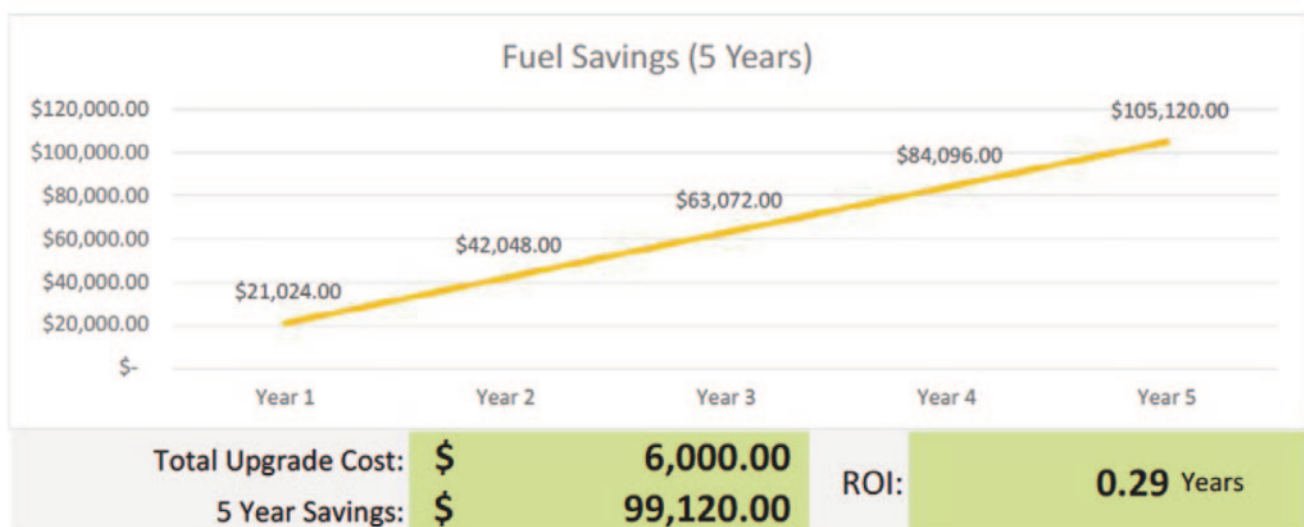
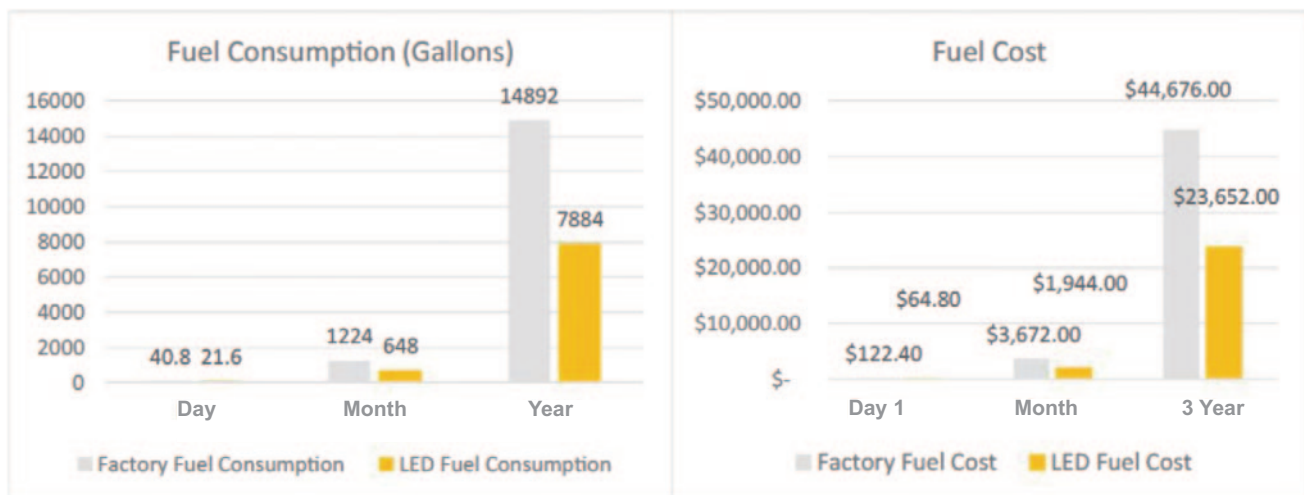
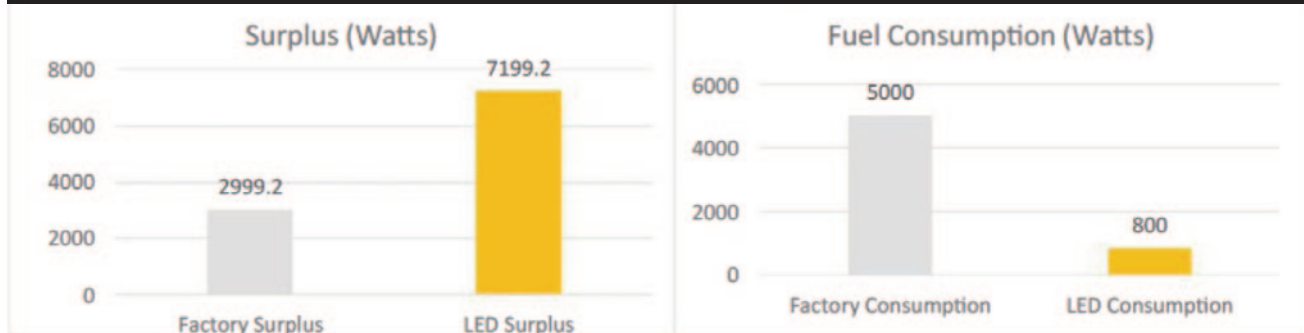
Half Load Fuel Consumption: 1.8 Gallons/Hr

Fuel Cost : \$3.00

Fixture Cost : \$0.00

Fixture Cost : \$750

ENERGY and FUEL SAVINGS



Matrix offers a free LED upgrade ROI analysis to support lighting upgrade decisions.