

West Point - Eisenhower Barracks

Type: CW



(Pre-Restoration)

Description: Exterior Lantern

Lights: 1

Location: Normandy 1-10: Salerno 22,23,25,26: Bastogne 14,15,16,17

Work Scope:

- Existing fixture shall be disassembled, ultrasonically and hand cleaned to conserve the existing finish. Ultrasonic cleaning to be done using Brulin Aquavantage 815 GD and hand cleaning with simple green all purpose cleaner. Spray application of 2 - 3 coats of UV resistant protective coating of sculpt nouveau clear guard or permalac lacquer. The fixture has existing blemishes that we will work to minimize, but in many cases, will remain.
- (90) New white Optix 7328 slumped acrylic lenses.
- Repair all mechanical and structural damages/defects.
- Replace and rewire all electrical components with UL listed products and test in accordance with UL standards. Leviton Porcelain Medium base socket to be utilized.
- Provide custom socket cover and brass sleeve tube on interior of the fixture and finish it to match verde bronze finish on the body of the fixture. Bottom of the bracket to the bottom of the socket is 6.5".
- 6" lead (SOOW Cord) to be supplied at the end of the fixture.
- All anchorage, i.e mounting bolts to be provided by others. Grand Light will patina/paint them to match the finish.
- Replicate (1) bottom fresnel lens holder.
- (7) New bottom fresnel lenses. No replication. Similar in kind from stock.

GRAND LIGHT

Historic Lighting Restoration & Custom Lighting

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PH: 1-800-922-1469 Fax: 203-785-1184

Web: GrandLight.com

Project: West Point - Eisenhower Barracks

Lamp: 8033E40A

Socket: Medium Base

S/O #: 71787

Finish: Verdi Bronze

Ballast: N/A

Lens: White

Voltage: 120v

Circuits: 1

Type: Outdoor

QTY: 18 Vol: Final Date: 7/17/18 Type: CW



LED-8033E/M 45W Post Top Retrofit

Models

LED-8033-XX-E27-A, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT

Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 175W HID. Advanced Active Cooling technology improves thermal performance and delivers the highest light output along with longer LED and driver life versus lamps limited to passive cooling. Internal fans have thermal feedback and a long life (70,000 hours).

Features

- 35W LED Replaces up to 175W MH or HPS HID Lamps
- Up to 5,617 lumen output and 150 LPW efficacy
- Available in E27 screw base
- Suitable for enclosed fittings
- Advanced active cooling: Active cooling and dynamic temperature control
- Integrated 6kA surge
- 50,000 hour rated LED life (supported by LM80 and ISTMT reports (see website))
- 5 Year Limited Warranty - see website for details
- Insect/dust resistant housing



TECHNICAL SPECIFICATIONS

MODEL	VOLTAGE	WATTAGE	LUMENS*	LPW*	REPLACES	BASE	CCT	CRI*	THD*	PF*	R9*	Duv*	LIGHT DISTRIBUTION	DIMMABLE
LED-8033-NW-E27-A	120-277V	35W	4239	121	175W HID	E27	3000K	82.3	13.68	0.9791	12	0.0015	360°	No
LED-8033-CW-E27-A			5468	150			4000K	83.7	16.17	0.973	16	0.0009		
LED-8033-DL-E27-A			5617	150			5700K	84.8	16.64	0.9673	21	0.0023		

PACKAGING SPECIFICATIONS

MODEL	PRODUCT DIMENSION	PRODUCT WEIGHT	UNIT CARTON DIMENSION	UNIT CTN WT	SHIPPER CARTON DIMENSION	SHIPPER CTN WT	CARTON QUANTITY
LED-8039-XX-E27-A	211 X 84 mm	.47 KG	125 X 125 X 265 mm	0.56 KG	395 X 385 X 280 mm	5.45KG	9

ENERGY SAVING vs. HID

LED Lamp Power (watts)	35	
HID Lamp Power (watts)	175	
HID Ballast Power (watts)	26	
Total power Savings (watts)	166.25	
Annual Energy Savings	£66	
Lifetime Energy Savings over 50,000 hrs	£648	

Mounting Orientation

		BASE DOWN	BASE UP	HORIZONTAL
		APPROVED	APPROVED	APPROVED
Recommended Minimum Fitting Size		THERMAL SPECIFICATIONS		
		OPERATING TEMPERATURE		-40°C to +50°C
Width	254	IN-SITU TEMP MEASUREMENT/L70		
Height	188	LED TEMPERATURE*		64.2
Volume (Cu. Cm.)	4775.2	L70 LED LUMEN MAINTAINENCE*		>60,000 hrs
* FROM ISTMT REPORT AT 25°C				

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