



Incredible **70,000** hrs

### GENERAL DESCRIPTION

Neptun's LED PAR56 retrofit lamps are designed for the replacement of existing HID down lighting systems. The LED-956 series lamps are offered in a variety of color temperatures and wattages for flexibility in all types of applications. The narrow beam spread allows for great light distribution in high ceilings and hard to access applications, which greatly reduces maintenance costs. Its analog/triac dimming system allows for 100%-0% light output for increased energy savings. It can replace existing HID downlights up to 175W.

### APPLICATION

- High Ceiling Down Lighting
- Atrium Lighting
- Canopy Lighting
- Church Lighting

### STRUCTURE, MATERIALS, & FEATURES

- Aluminum cast heat sink for excellent thermal management.
- Mogul (E40) base socket allows for easy installation.
- Correlated Color Temperatures of 3000°K, 4100°K, & 5000°K.
- Mercury free design.
- No radiated EMI interference.
- 36 PCS High Output LED's.
- 25° Beam Spread.
- Analog Dimming driver for increased energy savings.
- High power factor, low THD internal driver.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty.

### ORDERING INFORMATION

Sample Number: LED-95650-120V-ADIM-850-E40  
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Driver System	Color Temp	Base
LED = LED	956 = PAR56	50 = 50 W	120V = 120 VAC	ADIM = Analog Dimming	830 = 3000°K 841 = 4100°K 850 = 5000°K	E40 = Mogul Base



### PRODUCT INFORMATION

Model No.	Rated Watts	Input Watts	Color Temp.	Initial Lumens	Line Voltage	Max Line Current @ 120V	THD	Power Factor	Base	Beam Spread
LED-95650-120V-ADIM-830	50	51	3,000°K	3,700	120 VAC	0.43 Amp	<15%	>0.90	E40	25°
LED-95650-120V-ADIM-841	50	51	4,100°K	3,900	120 VAC	0.43 Amp	<15%	>0.90	E40	25°
LED-95650-120V-ADIM-850	50	51	5,000°K	4,100	120 VAC	0.43 Amp	<15%	>0.90	E40	25°

### SPECIFICATIONS

- LED Driver ..... Constant Current
- Dimming System ..... Analog/Triac
- Power Supply ..... 350mA
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Input Line Voltage ..... 120 VAC
- Input Line Frequency ..... 50/60 Hz
- Driver Off-State Draw ..... 0 Watts
- Sound Rating ..... Class A
- ANSI Surge Protection ..... Class A
- LED / Driver System Life ..... 70,000 Hrs.
- Lumen Maintenance @50,000Hrs ..... > 70%
- Color Temperature ..... 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) ..... > 80
- Beam Spread ..... 25°
- Minimum Starting Temperature ..... -35°C
- Maximum Starting Temperature ..... 40°C
- Lumens per Watt ..... > 80
- Power Factor ..... > 0.90
- Total Harmonic Distortion ..... < 15%
- Inrush Current Peak ..... < 10 Amp
- ETL Listed / UL Standard 1598 ..... Yes
- FCC Compliance ..... Part 15, Subp. C
- Warranty ..... 5 Year

### RECOMMENDED APPLICATION FIXTURES



- Existing opening must be at least 8" in diameter
- Excellent replacement for high ceiling applications



**(E26A) IOP-E40-E26-EXTENDER  
Mogul to Medium Base Adapter  
\*\* ORDER SEPERATELY**

\* NOT TO BE USED IN LENSED FIXTURE  
\* Contact Factory for Application Verification.