



Incredible **75,000** hrs

GENERAL DESCRIPTION

Neptun's LED R56 retrofit lamps are designed for the replacement of existing HID down lighting systems. The LED-356 series lamps are offered in a variety of color temperatures and wattages for flexibility in all types of applications. The round diffused lens 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.
- 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-35650-120V-ADIM-850-E40
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Voltage	Driver System	Color Temp	Base
LED = LED	356 = R56	50 = 50 W	120V = 120 VAC	ADIM = Analog Dimming	830 = 3000°K 841 = 4100°K 850 = 5000°K	E40 = Mogul Base



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PRODUCT INFORMATION

Model No.	Rated Watts	Input Watts	Color Temp.	Delivered Lumens	Line Voltage	Max Line Current @ 120V	THD	Power Factor	Base	Beam Spread
LED-35650-120V-ADIM-830	50	51	3,000°K	3,700	120 VAC	0.43 Amp	<15%	>0.90	E40	120°
LED-35650-120V-ADIM-841	50	51	4,100°K	3,900	120 VAC	0.43 Amp	<15%	>0.90	E40	120°
LED-35650-120V-ADIM-850	50	51	5,000°K	4,100	120 VAC	0.43 Amp	<15%	>0.90	E40	120°

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
- Projected (L70) @ 85°C > 50,000 hrs.
- Color Temperature 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) > 80
- Beam Spread 120°
- Minimum Starting Temperature -35°C
- Maximum Starting Temperature 40°C
- Lumens per Watt > 100
- Power Factor > 0.90
- Total Harmonic Distortion < 15%
- Inrush Current Peak < 10 Amp
- 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

* NOT TO BE USED IN ENCLOSED FIXTURES
* Contact Factory for Application Verification.



EXTENDER:E40-E26
Mogul to Medium Base Adapter
**** ORDER SEPERATELY**

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Neptun Light, Inc. reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.
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