UP TO 75% ENERGY SAVINGS

** AVAILABLE **

0 - 10V
FULL DIMMING
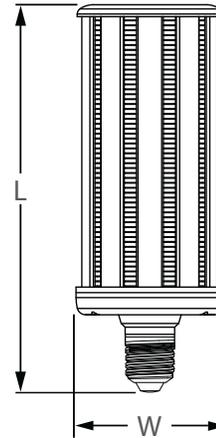
Product Dimensions

Wattage	E40 (L)	Width (W)
80W	12.50 in.	4.75 in.
100W	12.50 in.	4.75 in.
120W	12.50 in.	4.75 in.

* Driver Dimensions on Pg.2

Incredible 50,000 hrs

GENERAL DESCRIPTION

Neptun's LED Acorn retrofit kit is designed for use in decorative acorn style fixtures in retrofit or new fixture applications. The LED-248-RK series retrofit lamp features excellent optics for increased visibility and security with a 360° light engine to evenly illuminate area. Offered in a variety of color temperatures to closely resemble HID or HPS style bulbs. Can replace existing HID & HPS lamps up to 250 Watts.

APPLICATION
· Decorative Post Top Fixtures
· Decorative Acorn Fixtures

STRUCTURE, MATERIALS, & FEATURES
· Cast aluminum heat sink.
· High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
· High Output LED's.
· High power factor, low THD driver with 6kV/3kA surge protection.
· Instant-On flicker-free Cold Start and Hot Re-Start.
· Bright white light (5000˚K) for greater visibility and safety.
· LED engine design with Advanced Thermal Management.
· Up to 15 year maintenance free operation.
· 5 Year Warranty on complete system (Bulb & Driver)
· **Optional**: 0-10V Dimming, Remote Monitoring and ON/ OFF Control.

ORDERING INFORMATION

Sample Number: LED-248080-RK-UNV-0-10VDIM-850-E40
Custom options and accessories available. Please consult factory

Series	Wattage	System	Voltage	Options	Color Temp	Base
LED-248 = Retrofit Lamp	**080** = 80 W **100** = 100 W **120** = 120 W	**RK** = Retrofit Kit ***** Includes Lamp and Driver	**UNV** = 120-277 VAC **347V** = 347 VAC **480V** = 480 VAC	**0-10VDIM** = 0-10V Dimming ***** Contact Factory for Dimming options	**830** = 3000°K **841** = 4100°K **850** = 5000°K	**E40** = Mogul Base

RoHS

*light*innovations@**work**™

PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Delivered Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
LED-248080-RK-UNV	LED Acorn Retrofit Kit	80	82	8,000	120-277	0.69 - 0.30	<20%	>0.90	3 lbs
LED-248100-RK-UNV	LED Acorn Retrofit Kit	100	102	10,000	120-277	0.87 - 0.37	<20%	>0.90	3 lbs
LED-248120-RK-UNV	LED Acorn Retrofit Kit	120	122	12,000	120-277	1.05 - 0.45	<20%	>0.90	3 lbs

SPECIFICATIONS

- LED Driver ....Constant Current
- Power Supply 350mA
- Start Method ....InstantON
- Hot Re-start ....InstantON
- Universal Input Line Voltage ....120-277 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

- Minimum Starting Temperature ....-40°C
- Maximum Starting Temperature ....50°C
- Lumens per Watt ....> 100
- Shock / Vibration Resistant ....Yes
- Power Factor ....> 0.90
- Total Harmonic Distortion ....< 20%
- Inrush Current Peak ....< 10 Amp
- ETL Listed / UL Standard 1598 ....Yes
- FCC Compliance ....Part 15, Subp. C
- Warranty ....5 Year

DRIVER DIMENSIONS
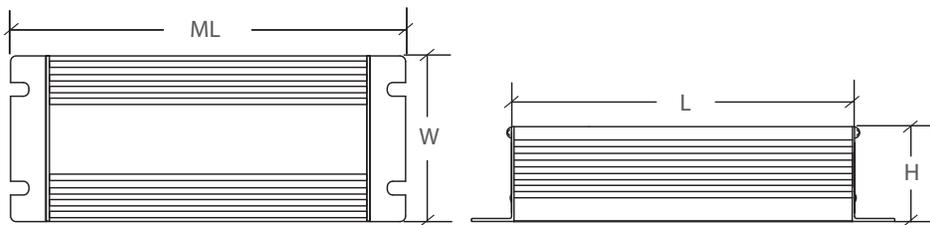
Wattage	M.L.	W	L	H
80W - 120W	7.75 in.	2.25 in.	6.75 in.	1.50 in.

RECOMMENDED APPLICATION FIXTURES

* For Base Down Applications Only.
* Must have at least 3" spacing between lamp and housing .
* Contact Factory for Application Verification.

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Spec. Rev. 7-2016

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