



**\*\* AVAILABLE \*\***

**0 - 10V**  
FULL DIMMING

Incredible **100,000 hrs**

## GENERAL DESCRIPTION

Neptun's custom LED retrofit kits are designed to replace existing HID or HPS systems in a variety of fixture applications. The LED-RK series system features excellent optics for increased visibility and security with convex lens to evenly illuminate the application area. The custom design allows for a simple installation with excellent results. It can replace existing HID & HPS systems up to 400 Watts.

## APPLICATION

- Existing King K833 Series Luminaires

## STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum frame.
- Custom designed to ensure easy installation and long life.
- LED engine design with Advanced Thermal Management.
- Continuous silicone gasket surrounds LED lens for weather - tight seal.
- High Output COB LED's with borosilicate glass lens optics.
- High power factor, low THD driver with 6kV/3kA surge protection.  
Optional 20kV/10kA surge protector available.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- Up to 20 year maintenance free operation.
- 5 Year Warranty. (LED's & Driver)
- Optional:** Bi-Level Dimming, 0-10V Dimming, Remote Monitoring and ON/ OFF Control

## ORDERING INFORMATION

Sample Number: LED-CRK-100-UNV-0-10VDIM-850-T5-CPD01  
Custom options and accessories available. Please consult factory  
Fixtures must be sent to factory for custom design, fitting, and testing.

Series	Wattage	Voltage	Options	Color Temp	Optics	Model
<b>LED-CRK</b> = Circle Retrofit Kit * Plate, LED's, & Driver included	<b>040</b> = 40 W <b>060</b> = 60 W <b>080</b> = 80 W <b>100</b> = 100 W <b>120</b> = 120 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC	<b>0-10VDIM</b> = 0-10V Dimming ** Contact Factory for dimming options	<b>830</b> = 3000°K <b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K	<b>T3</b> = Type 3 <b>T5</b> = Type 5	<b>CPD01</b> = Custom design for Tear Drop Luminaire



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### PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277V	THD	Power Factor	Weight
LED-CRK-040-UNV	LED Circle Retrofit Kit	40	42	4,320	120-277	0.34 - 0.15	<20%	>0.90	12 lbs
LED-CRK-060-UNV	LED Circle Retrofit Kit	60	62	6,420	120-277	0.52 - 0.22	<20%	>0.90	12 lbs
LED-CRK-080-UNV	LED Circle Retrofit Kit	80	82	8,480	120-277	0.69 - 0.30	<20%	>0.90	12 lbs
LED-CRK-100-UNV	LED Circle Retrofit Kit	100	102	10,500	120-277	0.87 - 0.37	<20%	>0.90	12 lbs
LED-CRK-120-UNV	LED Circle Retrofit Kit	120	122	12,600	120-277	1.05 - 0.45	<20%	>0.90	12 lbs

### SPECIFICATIONS

- Driver ..... Constant Current
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Power Supply ..... 350mA
- Driver UL Rating ..... Class 1
- Driver UL Outdoor Rated ..... Wet Location
- Sound Rating ..... Class A
- ANSI Surge Protection ..... IEEE C62.41 C High
- Driver Off-State Draw ..... 0 Watts
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- Color Temperature ..... 5,000°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
- FCC Compliance ..... Part 15, Subp. C
- Optics IP Rating ..... IP68
- Driver IP Rating ..... IP67
- Warranty ..... 5 Year

### INSTALLATION:

1. Remove existing reflector and components from inside fixture.
2. Secure LED Driver in existing ballast compartment.
3. Connect LED plate to driver using (2) quick connects.
4. Secure plate using existing reflector screws.
5. Reassemble Lens and ballast assembly.



(2) Quick Connects



Secure Plate with (4) existing reflector screws

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