

# INDUCTION - Custom Parking/Area Retrofit Kit

100,000 Hour Life

The Next Generation of Lighting



Gardco - Circa 20 (CR20) Series



Neptun Certified Retrofit Kit  
for Gardco Lighting - Circa 20 (CR20) Series

## Specification:

- Ballast Type	Electronic
- Start Method	InstantON™
- Hot Re-start	InstantON™
- Universal Input Line Voltage	120-277 VAC
- Input Line Frequency	50/60 Hz
- Lamp/Ballast System Life	100,000 Hrs.
- Lumen Maintenance @75,000Hrs	>70%
- Color Temperature	5000°K
- Color Rendering Index (CRI)	above 83
- Minimum Starting Temperature	-20°F
- Maximum Operating Temperature	160°F
- Lamp Operating Frequency	250 kHz
- Power Factor	> 0.98
- Total Harmonic Distortion	< 10%
- Inrush Current Peak	< 10 Amp
- FCC Compliance	Part 18, Subp. C

## Applications, Features, and Benefits

- Custom retrofit kit for the Gardco Lighting - Circa 20 (CR20) Series fixtures
- Ideal replacement for up to a 200W MH system
- Custom designed anodized aluminum reflector for increased illumination
- Bright White Light (5000°K) for greater visibility and safety
- High Quality - Glare Free lighti with CRI above 83
- Electronic Ballasts made with long life components
- InstantON flicker-free Cold Start and Hot Re-Start
- High Power Factor, Low THD Ballast technology
- Advanced phosphors for high Lumen Maintenance and high lumen output
- Made with Amalgam Technology
- Up to 20 year maintenance free operation
- Retrofit kit comes completely assembled for simple drop-in installation
- 5 year system warranty

## Product Information - Retrofit Kit (Bulb-Ballast-Reflector)

Item No.	Description	Watts	Initial Lumens	Line Voltage Supply	Line Current	Total Harmonic Distortion (THD)	Power Factor	Packaging Dimensions		
								Width	Length	Height
GCR20-40W-RK-UNV	Custom Retrofit Kit	40	3,200	120-277 VAC	0.35-0.15 Amp	<10%	0.98	18 in. 457 mm	18 in. 457 mm	8 in. 203 mm
GCR20-80W-RK-UNV	Custom Retrofit Kit	80	6,400	120-277 VAC	0.69-0.30 Amp	<10%	0.98	18 in. 457 mm	18 in. 457 mm	8 in. 203 mm
GCR20-100W-RK-UNV	Custom Retrofit Kit	100	8,000	120-277 VAC	0.87-0.37 Amp	<10%	0.98	18 in. 457 mm	18 in. 457 mm	8 in. 203 mm

Product Weight = 7-10 lbs.

## Ordering Information

(SAMPLE NUMBER : GCR20-40W-RK-UNV)

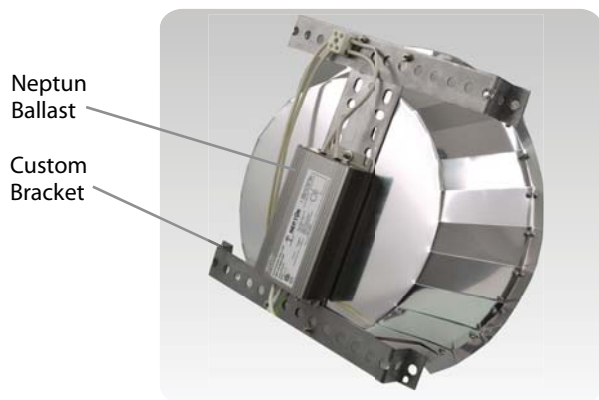
<b>Series</b> <b>GCR20</b> = Custom Kit Gardco Circa 20 (CR20)	<b>Wattage</b> <b>40W</b> = 40W <b>80W</b> = 80W <b>100W</b> = 100W	<b>Type</b> <b>RK</b> = Retrofit Kit	<b>Voltage</b> <b>UNV</b> = Universal
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### 1.) REMOVE EXISTING COMPONENTS

- A.) Disconnect power to fixture. (It is recommended to remove fixture from pole for easy installation)
- B.) Open fixture housing.
- C.) Remove existing reflector, socket, ballast, ignitor, and any other existing components.

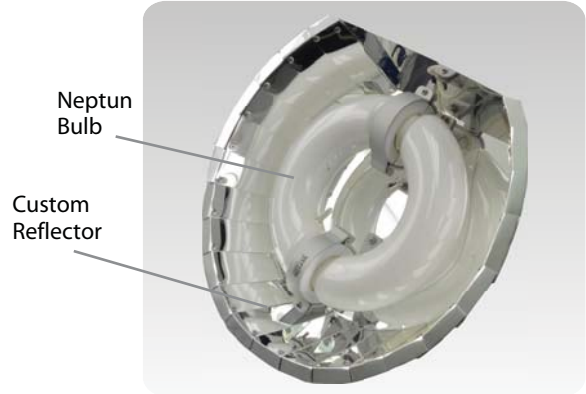
### 2.) MOUNT NEW COMPONENTS

- A.) Use the existing mounting stems to line up new reflector and brackets. (Figure A & B)
- B.) Secure new reflector to the housing using existing lens screws. (Figure C)
- C.) Wire the ballast to the power supply.
- D.) For wiring diagram, see Pg. 2



Neptun Ballast  
Custom Bracket

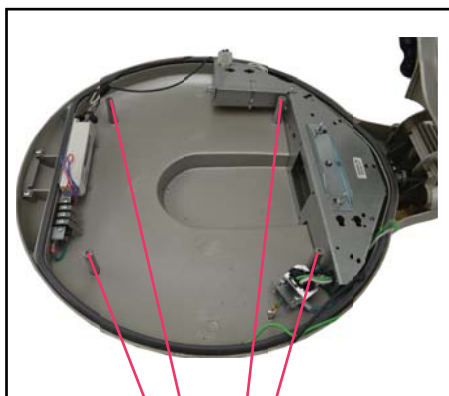
Fig.A



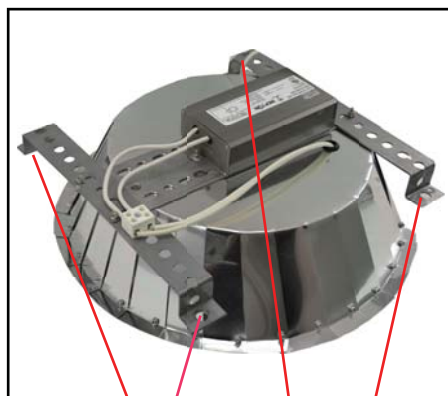
Neptun Bulb  
Custom Reflector

Fig.B

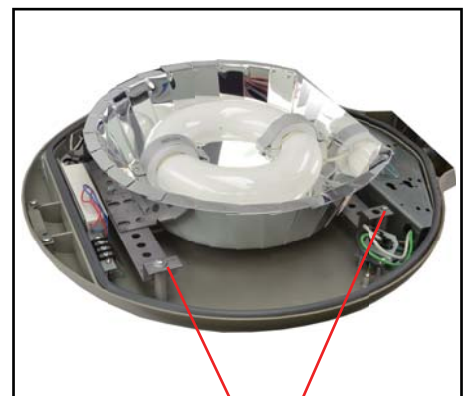
Fig.C



Mounting Stems



Mounting Bracket Holes



Secure Reflector Using Existing Screws

### **CAUTION!**

DISCONNECT POWER SUPPLY BEFORE INSTALLATION OR MAINTENANCE.  
INSTALLATION OF THIS PRODUCT SHOULD BE DONE BY A FULLY QUALIFIED AND  
LICENSED ELECTRICIAN OR TECHNICIAN.

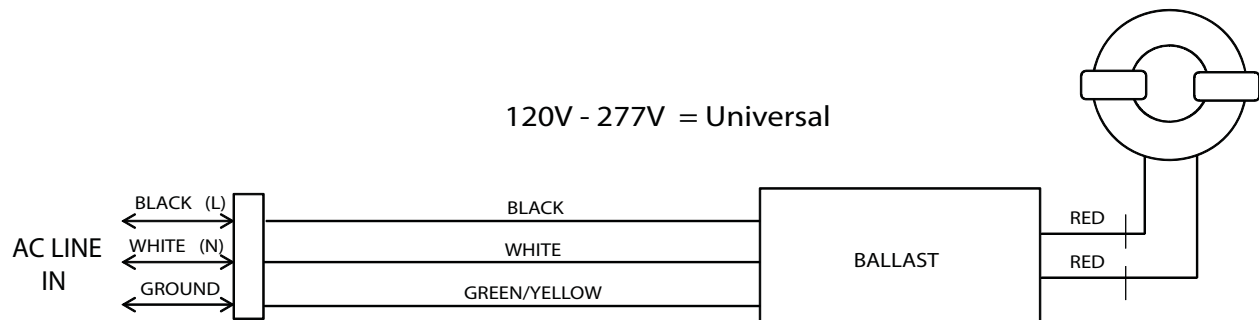
### INFORMATION

- A.) The Gardco Lighting Circa 20 series fixtures can be retrofitted using a Neptun custom Circline Retrofit Kit.
- B.) This fixture requires a custom designed Neptun reflector and brackets
- C.) This fixture is retrofitted using a Neptun 80W induction bulb and Electronic Ballast.
- D.) This retrofit is available in 40W, 80W, 100W
- E.) The Neptun Electronic ballast is for universal voltage 120V - 277V.



### ORDERING INFORMATION

- 40 Watt Bulb, Ballast, & Reflector = GCR20-40W-RK-UNV
- 80 Watt Bulb, Ballast, & Reflector = GCR20-80W-RK-UNV
- 100 Watt Bulb, Ballast, & Reflector = GCR20-100W-RK-UNV



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