



# LED RETROFIT CORN LIGHT

## Product Descriptions

**INTENDED Purchase** — The LED Corn bulbs is light for replace traditional 360 degree lights such as metal halide,CFL,HID,HPS for parking lot,gas station,warehouse indoor and outdoor energy saving purpose.Design install into existing fixture with cost-effective solution.

**STRUCTURE** — Die casting aluminum no fan passive cooling solution,PC cover protect LEDs from dust,insect and humidity working environment.Driver fully sealed by thermal paste with function to disperse heat into outside.Adopt 150LM/W LED chips improve light efficiency.Driver part apart from lamp body speed cooling hot air out.

**OPTICS** —Milky and Transparent PC cover for choice range from 27W~125W with E26,E27,E39,E40 socket for choice in different application sealed or open fixture.

**ELECTRICAL** — Standard 6kV surge protection,regular input voltage 100~277V,no ballast need.

**INSTALLATION** — Easily fitted in traditional fixture instead of MHL and HPS.

**LISTINGS** — UL,cUL,DLC certification approved.  
Suitable for sealed,dry,humidity working environment from -40 C up to 45 C

**WARRANTY** — 5 years warranty.  
Replaceable driver part design.Free provide materials replacement easy for customer replace.  
We will responsible if damaged or quality problem. like damaged under shipment.  
Screws loosen.Driver problem.

## Features

E26 E27 E39 E40(27~54W)  
E39 E40(80~125W)  
UL,cUL,DLC approved  
360° Degree Beam Angle  
100~277V input voltage  
No fan Passive cooling solution  
Die-casting heat sink  
Suitable in enclosed fixture  
PC Cover milky&transparent  
Driver fully sealed by thermal paste.  
6K High voltage Surge test approved.

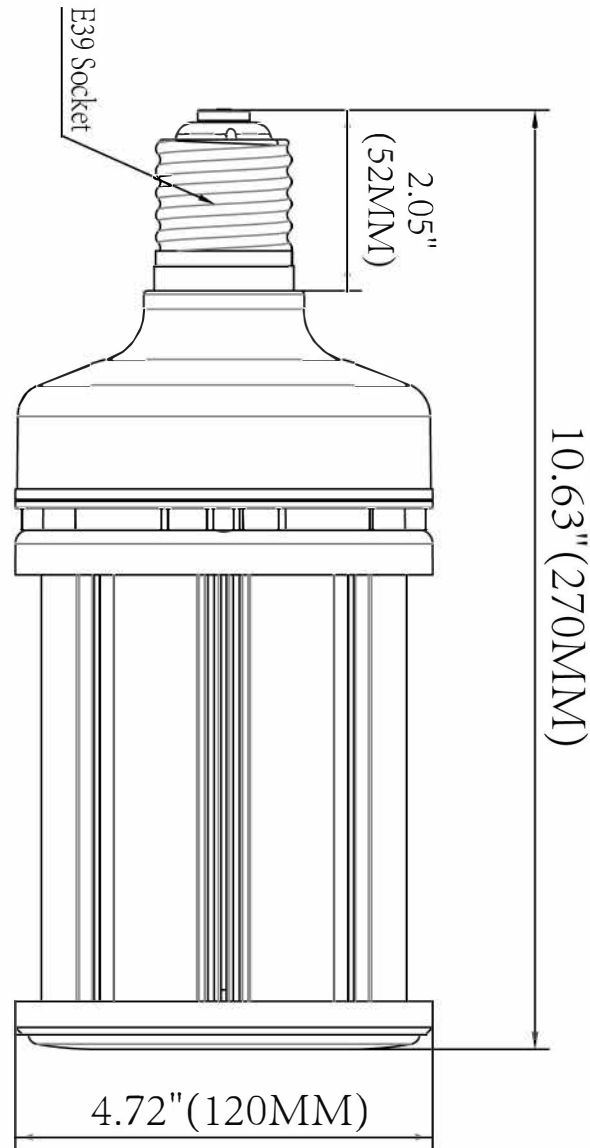
SMD2835 150lm/W LED chips  
50,000hrs lifespan  
5 years warranty  
Top Brand Rubycon Capacitors  
No UV or IR radiation  
No magnetic disturbance driver design  
OEM special design company LOGO  
IP64 waterproof dust free  
Separately driver with body speed heat dissipation(80~125W)  
Net weight: 1.56kg  
Package size: 560\*315\*430cm(carton)(12 pieces)  
Package size: 130\*130\*170mm(EPE)(1 pieces)



Series	Lumens	Base	Beam Angle (Degree)	Electrical Data	No.of LEDs	Color temperature	Color rendering index
GL-NGRCL-100W	14700LM 14,700 lumens	E39,E40	360° Degree Beam Angle	Input Voltage 100-277V 50~60Hz Total Power(W) 100W Power Factor(%) >90	616PCS SMD2835 chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	70 70 CRI 80 80 CRI 90 90 CRI



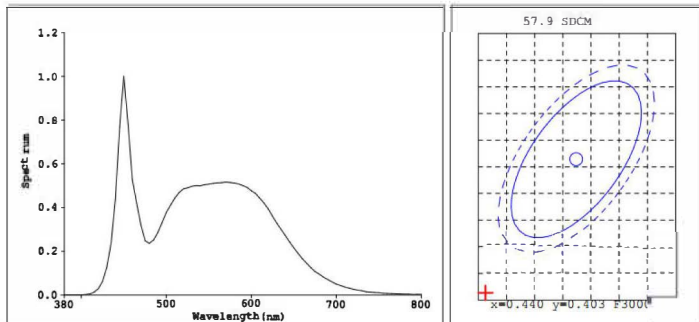
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## Light Source Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3280$  ( $dx=-0.0003$ )  $y=0.3500$  ( $dy=0.0125$ )  
 Chromaticity Coordinate:  $u'=0.2005$   $v'=0.4814$  ( $duv=6.44e-03$ )  
 $Tc=5687K$  Dominant WL:  $Ld=534.6nm$  Purity=3.7% Centroid WL:  $546.0nm$   
 Ratio:  $R=15.4\%$   $G=80.0\%$   $B=4.6\%$  Peak WL:  $Lp=450.0nm$  HWL:  $20.3nm$   
 Render Index:  $Ra=82.9$   
 R1 =80 R2 =87 R3 =92 R4 =83 R5 =82 R6 =83 R7 =88  
 R8 =67 R9 =2 R10=70 R11=83 R12=60 R13=82 R14=96 R15=74

### Photo Parameters:

Flux: 14653 lm Fe: 41.041 W Efficacy: 145.8 lm/W  
 WHITE: ANS1\_5700K

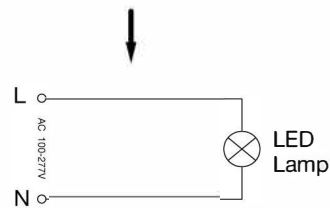
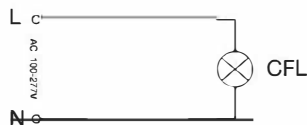
### Electrical Parameters:

Lamp : U=221.4V I=0.4230A P=100.50W PF=0.9620

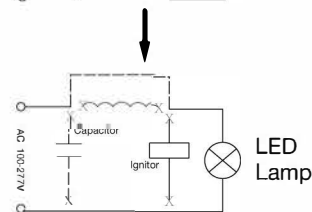
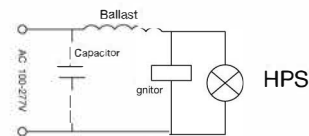
### Instrument Status:

Scan Range: 380.0nm-800.0nm Interval: 5.0nm(0) Ip=23115 (G=3, D=55)  
 REF=25211 (R=3)  $\lambda=0.667\%$  PMT: 26.9 centigrade [26.8]

### REPLACE CFL



### REPLACE HPS



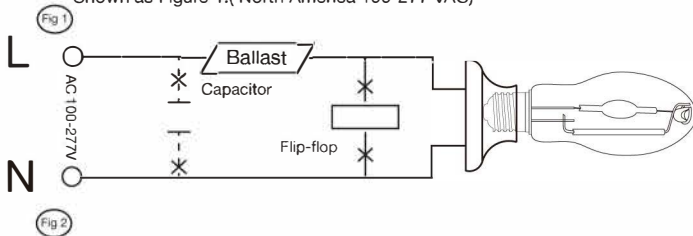
## IES REPORT

## SCHEMATIC DIAGRAM

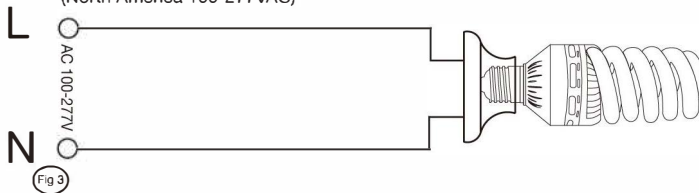


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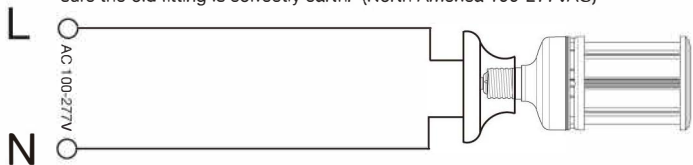
1. Remove old ballast or disconnect from existing lamp holder.  
Remove and dispose of ballast in correct manner.  
Shown as Figure 1.( North America 100-277 VAC)



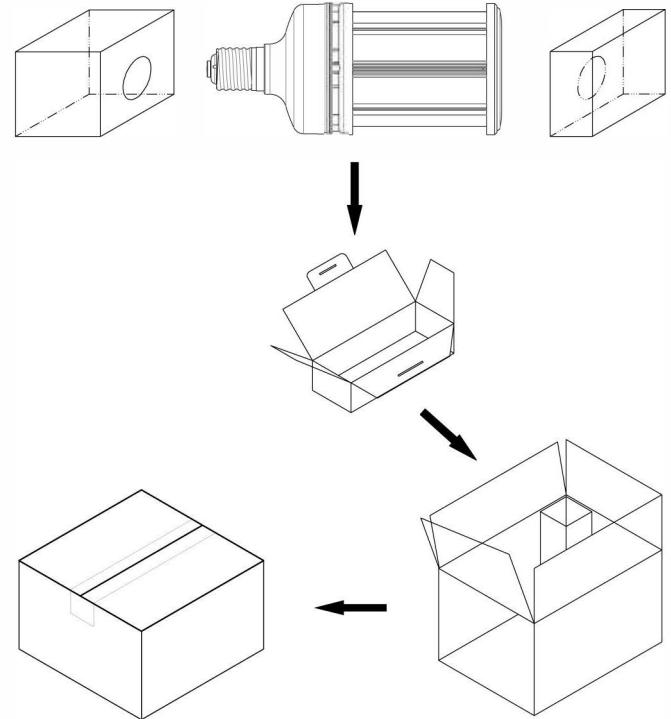
2. Reconnect directly to the existing lamp holder. Shown as Figure 2  
(North America 100-277VAC)



3. Install New LED Replacement lamp. Shown as Figure 3. Please make sure the old fitting is correctly earth. (North America 100-277VAC)



## INSTALLATION



## PACKAGING



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