

## 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** - 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  
IP44 waterproof dust free  
Separately driver with body speed heat dissipation(80~ 125W)



27~54W

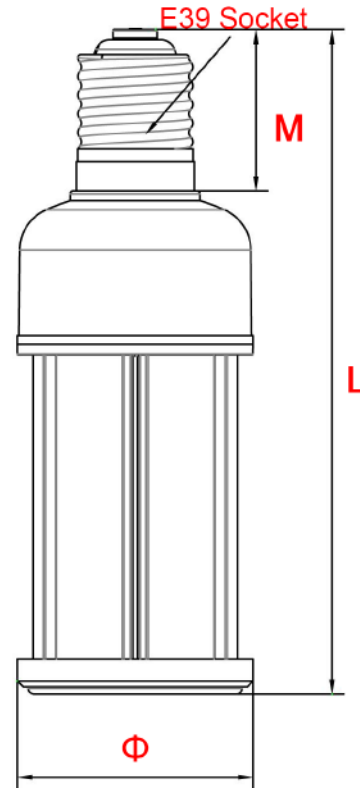
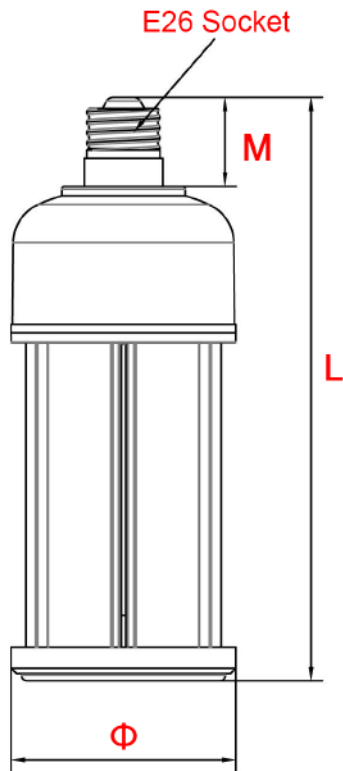


80~125W

Series	Lumens	Base	Beam Angle (Degree)	Electrical Data	LED Type	Color temperature	Color rendering index
RCL-27W	4010LM 4,010 lumens	E26,E27,E39,E40	360° Degree Beam Angle	Input Voltage 100-277V 50~60Hz Total Power(W) 27W Power Factor(%) >90	165PCS 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
RCL-36W	5250LM 5,250 lumens	E26,E27,E39,E40	360° Degree Beam Angle	Input Voltage 100-277V 50~60Hz Total Power(W) 36W Power Factor(%) >90	297PCS 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
RCL-45W	6550LM 6,550 lumens	E26,E27,E39,E40	360° Degree Beam Angle	Input Voltage 100-277V 50~60Hz Total Power(W) 45W Power Factor(%) >90	429PCS 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
RCL-54W	7900LM 7,900 lumens	E26,E27,E39,E40	360° Degree Beam Angle	Input Voltage 100-277V 50~60Hz Total Power(W) 54W Power Factor(%) >90	429PCS 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

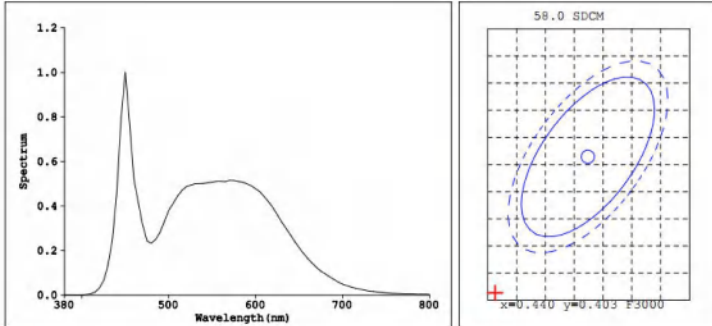
Series	Lumens	Base	Beam Angle (Degree)	Electrical Data	LED Type	Color temperature	Color rendering index
RCL-80W	11500LM 11,500 lumens	E39,E40	360° Degree Beam Angle	Input Voltage 100-277V 50~60Hz Total Power(W) 80W Power Factor(%) >90	440PCS SMD2835 chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	70 70 CRI 80 80 CRI 90 90 CRI
RCL-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
RCL-125W	18400LM 18,400 lumens	E39,E40	360° Degree Beam Angle	Input Voltage 100-277V 50~60Hz Total Power(W) 125W Power Factor(%) >90	756PCS 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

DIMENSIONS



Series	E26			E39		
	Φ	M	L	Φ	M	L
RCL-27W	3.15" (80MM)	1.25" (31.8MM)	8.27" (210MM)	3.15" (80MM)	1.84" (46.8MM)	8.86" (225MM)
RCL-36W	3.15" (80MM)	1.25" (31.8MM)	9.06" (230MM)	3.15" (80MM)	1.84" (46.8MM)	9.65" (245MM)
RCL-45W	3.15" (80MM)	1.25" (31.8MM)	10.24" (260MM)	3.15" (80MM)	1.84" (46.8MM)	10.83" (275MM)
RCL-54W	3.15" (80MM)	1.25" (31.8MM)	10.24" (260MM)	3.15" (80MM)	1.84" (46.8MM)	10.83" (275MM)
RCL-80W	/	/	/	4.72" (120MM)	2.05" (52MM)	9.84" (250MM)
RCL-100W	/	/	/	4.72" (120MM)	2.05" (52MM)	10.63" (270MM)
RCL-125W	/	/	/	4.72" (120MM)	2.05" (52MM)	11.42" (290MM)

### RCL-27W



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3277$  ( $dx=-0.0003$ )  $y=0.3497$  ( $dy=0.0126$ )  
 Chromaticity Coordinate:  $u'=0.2004$   $v'=0.4812$  ( $d_{uv}=6.48e-03$ )  
 Tc=5705K Dominant WL:Ld=532.3nm Purity=3.5% Centroid WL:545.0nm  
 Ratio:R=15.4% G=80.1% B=4.5% Peak WL:Lp=450.0nm HWL:20.1nm  
 Render Index:Ra=82.7  
 R1 =80 R2 =87 R3 =92 R4 =83 R5 =82 R6 =83 R7 =88  
 R8 =67 R9 =2 R10=69 R11=83 R12=60 R13=82 R14=96 R15=74

#### Photo Parameters:

Flux: 4007.52 lm Fe: 12.299 W Efficacy:145.2 lm/W  
 WHITE:ANSI\_5700K

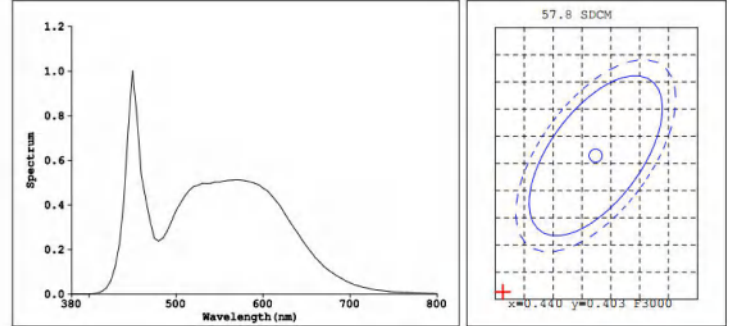
#### Electrical Parameters:

Lamp : U=224.0V I=0.1280A P=27.60W PF=0.9570

#### Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=32917(G=4,D=56)  
 REF=7618(R=3)  $\#$ =0.360% PMT: 27.1 centigrade [26.7]

### RCL-36W



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3280$  ( $dx=-0.0003$ )  $y=0.3497$  ( $dy=0.0123$ )  
 Chromaticity Coordinate:  $u'=0.2006$   $v'=0.4812$  ( $d_{uv}=6.33e-03$ )  
 Tc=5690K Dominant WL:Ld=534.0nm Purity=3.6% Centroid WL:546.0nm  
 Ratio:R=15.5% G=79.9% B=4.6% Peak WL:Lp=450.0nm HWL:20.4nm  
 Render Index:Ra=83.1  
 R1 =81 R2 =87 R3 =93 R4 =83 R5 =82 R6 =83 R7 =88  
 R8 =68 R9 =3 R10=71 R11=83 R12=60 R13=82 R14=96 R15=75

#### Photo Parameters:

Flux: 5245.2 lm Fe: 16.106 W Efficacy:145.7 lm/W  
 WHITE:ANSI\_5700K

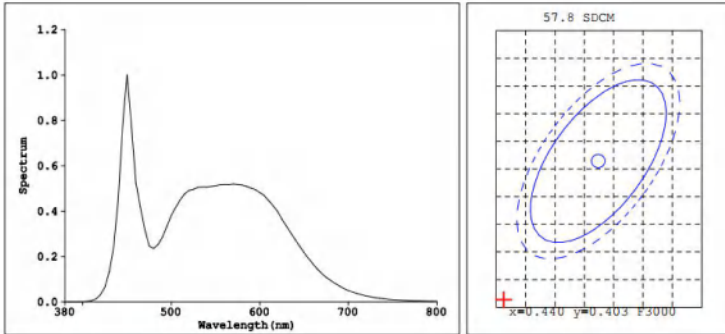
#### Electrical Parameters:

Lamp : U=223.1V I=0.1660A P=36.00W PF=0.9730

#### Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=43412(G=4,D=56)  
 REF=9940(R=3)  $\#$ =0.517% PMT: 27.1 centigrade [26.8]

### RCL-45W



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3282$  ( $dx=-0.0002$ )  $y=0.3505$  ( $dy=0.0130$ )  
 Chromaticity Coordinate:  $u'=0.2004$   $v'=0.4816$  ( $duv=6.64e-03$ )  
 Tc=5683K Dominant WL:Ld=535.9nm Purity=3.9% Centroid WL:546.0nm  
 Ratio:R=15.5% G=80.0% B=4.5% Peak WL:Lp=450.0nm HWL:20.4nm  
 Render Index:Ra=82.9  
 R1 =80 R2 =87 R3 =92 R4 =83 R5 =82 R6 =83 R7 =88  
 R8 =68 R9 =3 R10=70 R11=83 R12=60 R13=82 R14=96 R15=74

#### Photo Parameters:

Flux: 6510.5 lm Fe: 19.679 W Efficacy:145.0 lm/W  
 WHITE:ANSI\_5700K

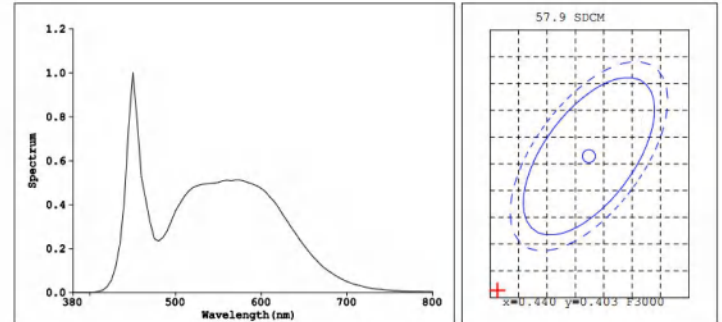
#### Electrical Parameters:

Lamp : U=222.9V I=0.2060A P=44.90W PF=0.9770

#### Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=52489(G=4,D=57)  
 REF=12143(R=3)  $\#=0.431\%$  PMT: 27.1 centigrade [26.7]

### RCL-54W



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3281$  ( $dx=-0.0002$ )  $y=0.3504$  ( $dy=0.0129$ )  
 Chromaticity Coordinate:  $u'=0.2004$   $v'=0.4816$  ( $duv=6.67e-03$ )  
 Tc=5687K Dominant WL:Ld=535.4nm Purity=3.8% Centroid WL:546.0nm  
 Ratio:R=15.4% G=80.0% B=4.6% Peak WL:Lp=450.0nm HWL:20.0nm  
 Render Index:Ra=82.7  
 R1 =80 R2 =87 R3 =93 R4 =83 R5 =81 R6 =83 R7 =88  
 R8 =67 R9 =2 R10=70 R11=82 R12=59 R13=82 R14=96 R15=74

#### Photo Parameters:

Flux: 7871 lm Fe: 23.152 W Efficacy:146.3 lm/W  
 WHITE:ANSI\_5700K

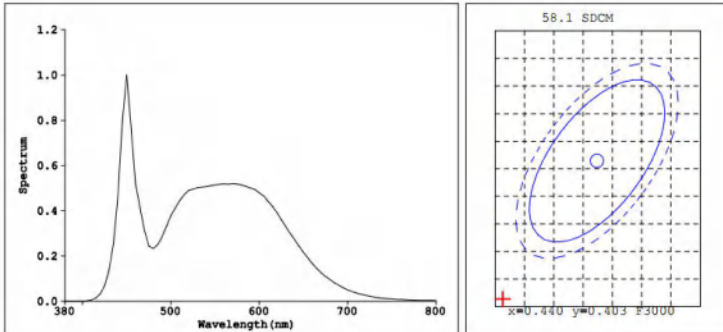
#### Electrical Parameters:

Lamp : U=223.7V I=0.2280A P=53.8W PF=0.9800

#### Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=13246(G=3,D=54)  
 REF=14279(R=3)  $\#=0.741\%$  PMT: 27.0 centigrade [26.7]

### RCL-80W



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3275$  ( $dx=-0.0003$ )  $y=0.3498$  ( $dy=0.0128$ )  
 Chromaticity Coordinate:  $u'=0.2002$   $v'=0.4812$  ( $duv=6.61e-03$ )  
 Tc=5712K Dominant WL:Ld=531.8nm Purity=3.5% Centroid WL:545.0nm  
 Ratio:R=15.3% G=80.1% B=4.5% Peak WL:Lp=450.0nm HWL:20.4nm  
 Render Index:Ra=82.5  
 R1 =80 R2 =86 R3 =92 R4 =83 R5 =81 R6 =82 R7 =88  
 R8 =67 R9 =1 R10=69 R11=82 R12=60 R13=81 R14=96 R15=74

#### Photo Parameters:

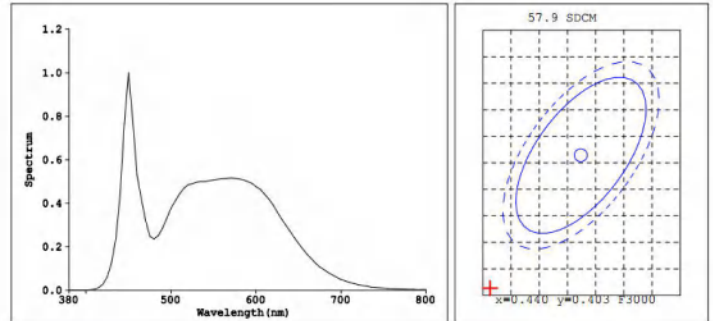
Flux: 11515 lm Fe: 34.811 W Efficacy:145.2 lm/W  
 WHITE:ANSI\_5700K

#### Electrical Parameters:

Lamp : U=224.0V I=0.3720A P=79.30W PF=0.9520

Instrument Status:  
 Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=19520(G=3,D=55)  
 REF=21395(R=3) \*=-0.479\* PMT: 27.0 centigrade [26.6]

### RCL-100W



#### 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:

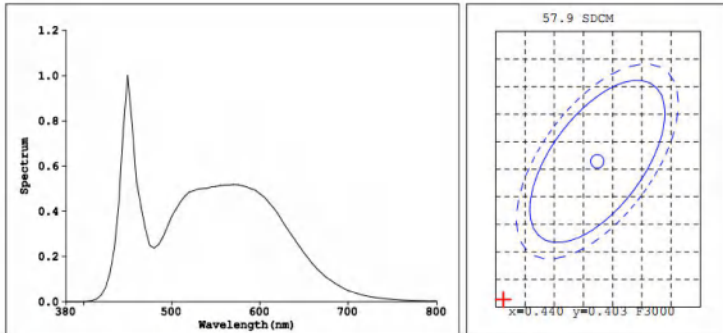
Flux: 14653 lm Fe: 41.041 W Efficacy:145.8 lm/W  
 WHITE:ANSI\_5700K

#### 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) \*=-0.667\* PMT: 26.9 centigrade [26.8]

### RCL-125W



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3279(dx=-0.0003)$   $y=0.3500(dy=0.0125)$   
 Chromaticity Coordinate:  $u'=0.2004$   $v'=0.4813(duv=6.53e-03)$   
 Tc=5696K Dominant WL:Ld=533.9nm Purity=3.7% Centroid WL:546.0nm  
 Ratio:R=15.4% G=80.0% B=4.6% Peak WL:Lp=450.0nm HWL:20.5nm  
 Render Index:Ra=82.7  
 R1 =80 R2 =87 R3 =92 R4 =83 R5 =81 R6 =83 R7 =88  
 R8 =67 R9 =2 R10=70 R11=82 R12=60 R13=82 R14=96 R15=74

#### Photo Parameters:

Flux: 18340 lm Fe: 52.703 W Efficacy:145.9 lm/W  
 WHITE:ANSI\_5700K

#### Electrical Parameters:

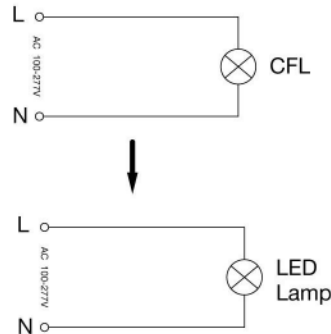
Lamp : U=222.6V I=0.5440A P=125.7W PF=0.9710

#### Instrument Status:

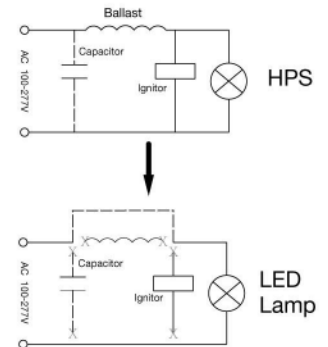
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=29682 (G=3,D=55)  
 REF=32343 (R=3)  $\epsilon=0.698\%$  FMT: 26.8 centigrade [26.6]

### SCHEMATIC DIAGRAM

#### REPLACE CFL



#### REPLACE HPS





**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)

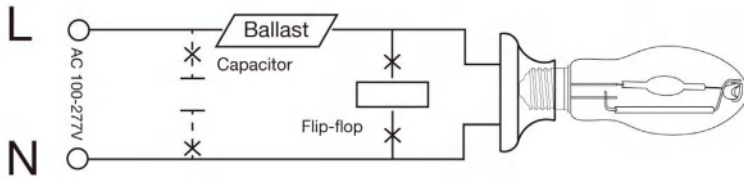


Fig 1

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

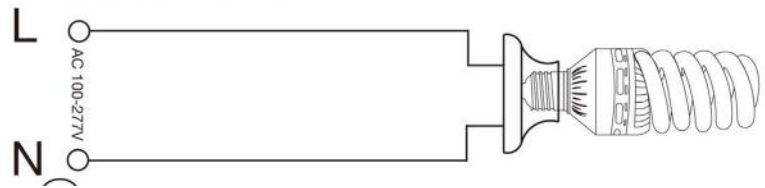


Fig 2

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

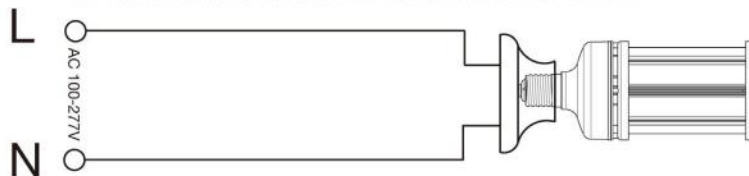
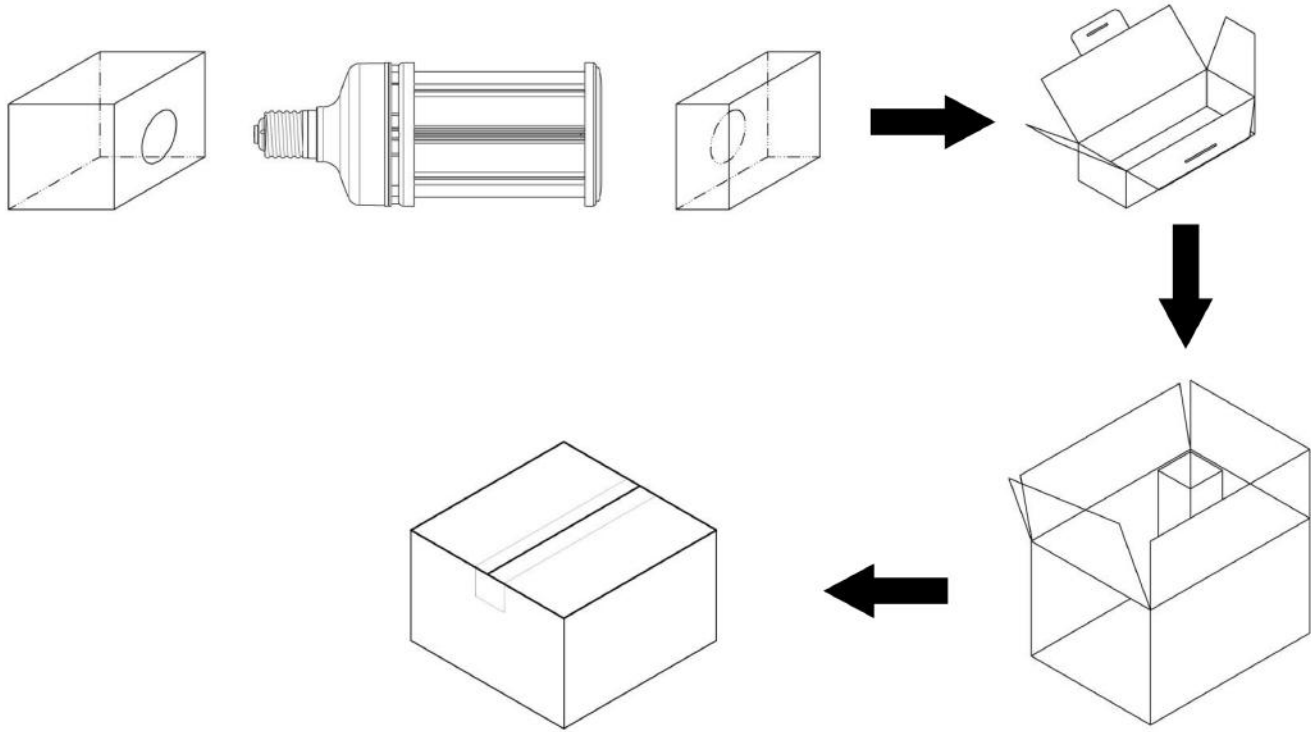


Fig 3

PACKAGING



Series	Net Weight	Unit	Package Size
RCL-27W	0.685kg	1 pcs	110*110*130mm (EPE)
		20 pcs	610*253*490cm (carton)
RCL-36W	0.754kg	1 pcs	110*110*130mm (EPE)
		20 pcs	610*278*490cm (carton)
RCL-45W	0.904kg	1 pcs	110*110*130mm (EPE)
		20 pcs	610*293*490cm (carton)
RCL-54W	0.936kg	1 pcs	110*110*130mm (EPE)
		20 pcs	610*303*490cm (carton)
RCL-80W	1.434kg	1 pcs	130*130*170mm (EPE)
		12 pcs	560*295*430cm (carton)
RCL-100W	1.560kg	1 pcs	130*130*170mm (EPE)
		12 pcs	560*315*430cm (carton)
RCL-125W	1.654kg	1 pcs	130*130*170mm (EPE)
		12 pcs	560*345*430cm (carton)

