

LED 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 -Fin heatsink sunon fan active 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.

OPTICS - Milky and Transparent PC cover for choice range from 30W~ 300W 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.

NOTICE:

160W~300W LED Corn bulbs not allowed install in enclosed fixture due to overheat.
Only suitable for indoor open fixture.

Features

E39 E40 Mogul screw base
UL, CUL, DLC approved
100~277V, 480V, 347V high voltage input
Sunon Fan active cooling
360° Degree Beam Angle
Aluminum fin heat sink
PC Cover milky&clear
6K High voltage surge test approved
SMD2835 150lm/w led chips
50,000hrs lifespan
Top Brand Rubycon Capacitor
OEM special design company logo
No UV or IR radiation
No magnetic disturbance driver design
Replace 100~1000W metal halide/HPS
Application in warehouse, parking lot, street, gas station etc..



30W

60W



80W

100W

120W



160W

200W

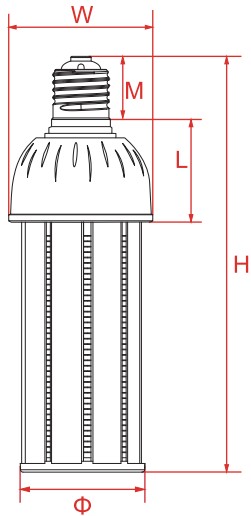
250W

300W

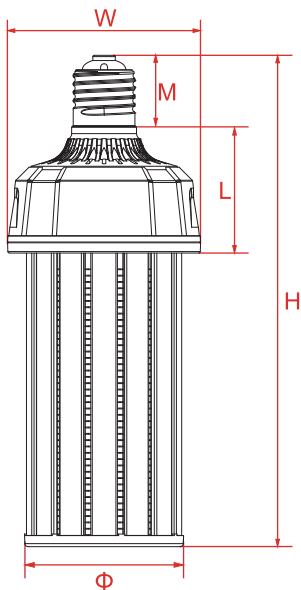
Series	Lumens	Base	Beam Angle (Degree)	Electrical Data	LED Type	Color Temperature	Color Rendering Index	Ambient Temperature	Protection Grade	Material
NGWL-30W12S	4500Lm	E26 E27 E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	220PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NGWL-60W12S	9000Lm	E26 E27 E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	490PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-80W14S	12000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	610PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-100W14S	15000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	644PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-120W14S	18000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	840PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-160W16S	24000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	1232PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-200W16S	30000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	1232PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-250W16S	37500Lm	E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	1652PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-300W16S	45000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC100-277V 50~60Hz Power Factor(%) >90	1919PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum

Series	Lumens	Base	Beam Angle (Degree)	Electrical Data	LED Type	Color Temperature	Color Rendering Index	Ambient Temperature	Protection Grade	Material
NG-WL-60WH	9000Lm	E26 E27 E39 E40	360 degree Beam Angle	Input Voltage AC277-480V 50~60Hz Power Factor(%) >90	490PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-80WH14S	12000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC277-480V 50~60Hz Power Factor(%) >90	610PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-100WH14S	15000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC277-480V 50~60Hz Power Factor(%) >90	644PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-120WH14S	18000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC277-480V 50~60Hz Power Factor(%) >90	840PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-160WH16S	24000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC277-480V 50~60Hz Power Factor(%) >90	1232PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-200WH16S	30000Lm	E39 E40	360 degree Beam Angle	Input Voltage AC277-480V 50~60Hz Power Factor(%) >90	1232PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum
NG-WL-250WH16S	37500Lm	E39 E40	360 degree Beam Angle	Input Voltage AC277-480V 50~60Hz Power Factor(%) >90	1652PCS SMD 2835 Chips	WW 2800~3200 K NW 4000~4500 K DW 5000~5500 K CW 6000~6500 K	Ra>80	-30~55 C	IP44	PBT+Aluminum

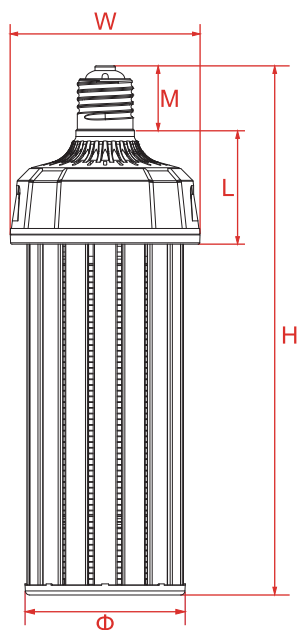
DIMENSION



Series	Φ	W	M	L	H
NGWL-30W12S	2.716" (69MM)	3.54" (90MM)	1.77" (45MM)	2.87" (73MM)	7.145" (181.5MM)
NGWL-60W12S	2.716" (69MM)	3.54" (90MM)	1.77" (45MM)	2.87" (73MM)	9.37" (238MM)
NG-WL-60WH	2.716" (69MM)	3.54" (90MM)	1.77" (45MM)	2.87" (73MM)	9.37" (238MM)

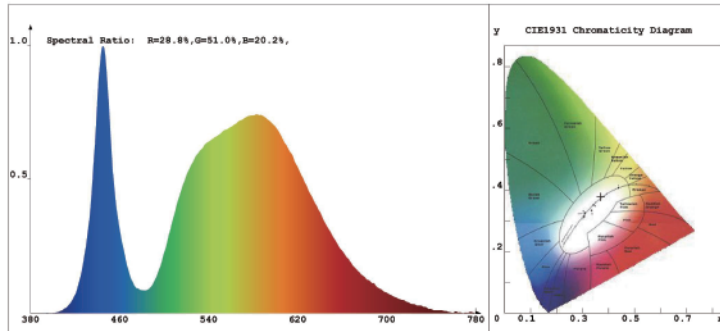


Series	Φ	W	M	L	H
NG-WL-80W14S	3.937" (100MM)	4.8" (122MM)	1.77" (45MM)	3.15" (80MM)	9.96" (253MM)
NG-WL-100W14S	3.937" (100MM)	4.8" (122MM)	1.77" (45MM)	3.15" (80MM)	10.75" (273MM)
NG-WL-120W14S	3.937" (100MM)	4.8" (122MM)	1.77" (45MM)	3.15" (80MM)	11.93" (303MM)
NG-WL-80WH14S	3.937" (100MM)	4.8" (122MM)	1.77" (45MM)	3.15" (80MM)	9.96" (253MM)
NG-WL-100WH14S	3.937" (100MM)	4.8" (122MM)	1.77" (45MM)	3.15" (80MM)	10.75" (273MM)
NG-WL-120WH14S	3.937" (100MM)	4.8" (122MM)	1.77" (45MM)	3.15" (80MM)	11.93" (303MM)



Series	Φ	W	M	L	H
NG-WL-160W16S	4.4" (112MM)	5.24" (133MM)	1.77" (45MM)	3.15" (80MM)	12.01" (305MM)
NG-WL-200W16S	4.4" (112MM)	5.24" (133MM)	1.77" (45MM)	3.15" (80MM)	13.19" (335MM)
NG-WL-250W16S	4.4" (112MM)	5.24" (133MM)	1.77" (45MM)	3.15" (80MM)	13.19" (335MM)
NG-WL-300W16S	4.4" (112MM)	5.24" (133MM)	1.77" (45MM)	3.15" (80MM)	14.37" (365MM)
NG-WL-160WH16S	4.4" (112MM)	5.24" (133MM)	1.77" (45MM)	3.15" (80MM)	12.01" (305MM)
NG-WL-200WH16S	4.4" (112MM)	5.24" (133MM)	1.77" (45MM)	3.15" (80MM)	13.19" (335MM)
NG-WL-250WH16S	4.4" (112MM)	5.24" (133MM)	1.77" (45MM)	3.15" (80MM)	13.19" (335MM)

NGWL-30W



Chroma Parameters

Chro.Coor.:x=0.3706 y=0.3775 u=0.2184 v=0.3336 duv=0.0033
 CCT: 4282K Dominant Wave.:576.0nm Purity:24.5%
 Flux RGB Ratio:R=15.8%,G=82.6%,B=1.6% Peak Wave:445.6nm Half Width:18.6nm

Rendering Index:Ra= 71.2

R1 =69 R2 =76 R3 =82 R4 =72 R5 =69 R6 =67 R7 =81 R8 =55
 R9 =0 R10=43 R11=69 R12=40 R13=69 R14=90 R15=62

Photo Parameters

Flux:4056.09lm Effi.:130.2lm/W Radiant:9355.0mW Ri:0.0mW/sr

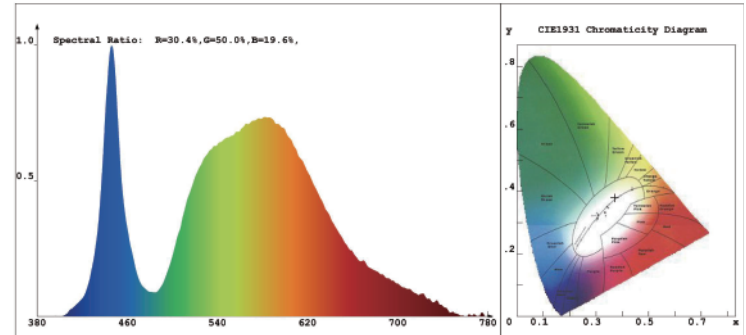
Ele. Parameters

Voltage:U=220.500V Current:I=0.1560A
 Power:P=33.27W Power Factor:PF=0.967

Instrument state

Instrument:Hopoo HP8000S Integral Time: 5.520ms VPeak: 11024
 VDark: 1239 Scan Range: 380-780nm Product ID: 201308416

NGWL-60W



Chroma Parameters

Chro.Coor.:x=0.3709 y=0.3796 u=0.2178 v=0.3343 duv=0.0042
 CCT: 4287K Dominant Wave.:575.5nm Purity:25.2%
 Flux RGB Ratio:R=15.7%,G=82.7%,B=1.7% Peak Wave:445.6nm Half Width:17.5nm

Rendering Index:Ra= 71.4

R1 =69 R2 =76 R3 =83 R4 =72 R5 =68 R6 =67 R7 =81 R8 =55
 R9 =0 R10=44 R11=69 R12=39 R13=69 R14=90 R15=62

Photo Parameters

Flux:8210lm Effi.:134.6lm/W Radiant:20906.2mW Ri:0.0mW/sr

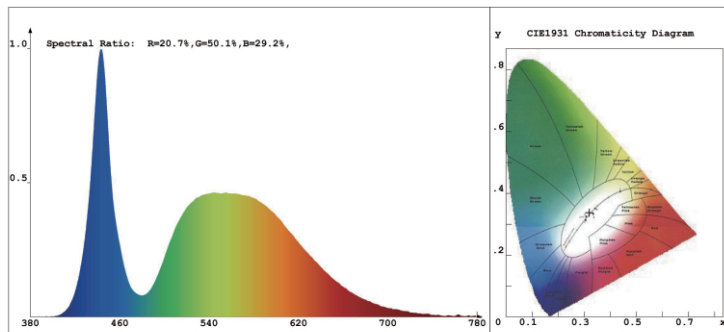
Ele. Parameters

Voltage:U=220.400V Current:I=0.2800A
 Power:P=60.50W Power Factor:PF=0.980

Instrument state

Instrument:Hopoo HP8000S Integral Time: 1.185ms VPeak: 6066
 VDark: 1255 Scan Range: 380-780nm Product ID: 201308416

NG-WL-80W



Chroma Parameters

Chro.Coor.:x=0.3200 y=0.3377 u=0.1996 v=0.3160 duv=0.0040
 CCT: 6082K Dominant Wave.:496.0nm Purity:4.2%
 Flux RGB Ratio:R=12.5%,G=85.2%,B=2.3% Peak Wave:443.5nm Half Width:18.9nm

Rendering Index:Ra= 71.2

R1 =70 R2 =73 R3 =76 R4 =73 R5 =72 R6 =67 R7 =78 R8 =60
 R9 =0 R10=38 R11=74 R12=47 R13=69 R14=87 R15=64

Photo Parameters

Flux:11092.89lm Effi.:124.8lm/W Radiant:31003.4mW Ri:0.0mW/sr

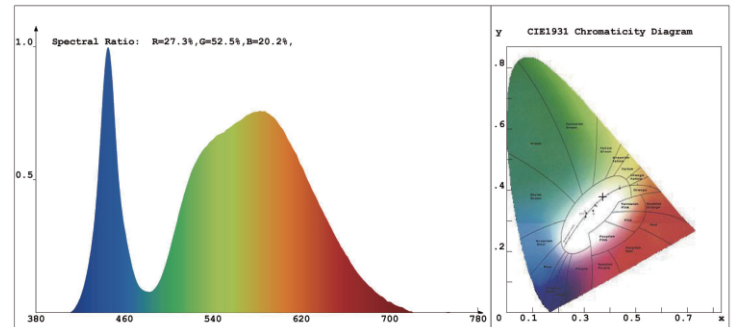
Ele. Parameters

Voltage:U=220.400V Current:I=0.4180A
 Power:P=88.87W Power Factor:PF=0.962

Instrument state

Instrument:Hopoo HP8000S Integral Time: 1.524ms VPeak: 13384
 VDark: 1234 Scan Range: 380-780nm Product ID: 201308416

NG-WL-100W



Chroma Parameters

Chro.Coor.:x=0.3719 y=0.3787 u=0.2188 v=0.3341 duv=0.0035
 CCT: 4251K Dominant Wave.:576.1nm Purity:25.3%
 Flux RGB Ratio:R=15.7%,G=82.7%,B=1.6% Peak Wave:445.6nm Half Width:18.9nm

Rendering Index:Ra= 70.3

R1 =66 R2 =74 R3 =81 R4 =73 R5 =69 R6 =68 R7 =80 R8 =52
 R9 =0 R10=40 R11=69 R12=40 R13=66 R14=89 R15=59

Photo Parameters

Flux:13442.61lm Effi.:131.0lm/W Radiant:34149.4mW Ri:0.0mW/sr

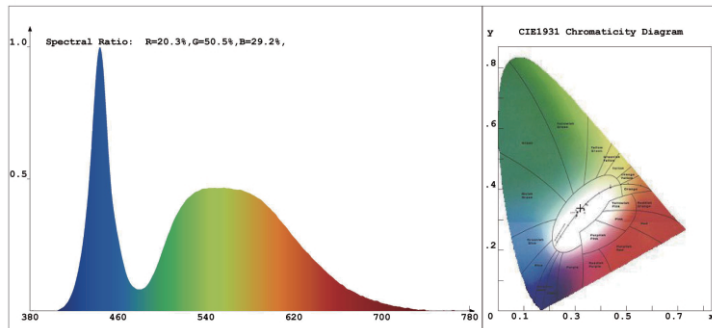
Ele. Parameters

Voltage:U=220.400V Current:I=0.4780A
 Power:P=102.60W Power Factor:PF=0.972

Instrument state

Instrument:Hopoo HP8000S Integral Time: 2.072ms VPeak: 14944
 VDark: 1212 Scan Range: 380-780nm Product ID: 201308416

NG-WL-120W



Chroma Parameters
 Chro.Coor.:x=0.3201 y=0.3384 u=0.1994 v=0.3162 duv=0.0043
 CCT: 6075K Dominant Wave.:496.7nm Purity:4.2%
 Flux RGB Ratio:R=12.5%,G=85.2%,B=2.4% Peak Wave:443.5nm Half Width:19.1nm

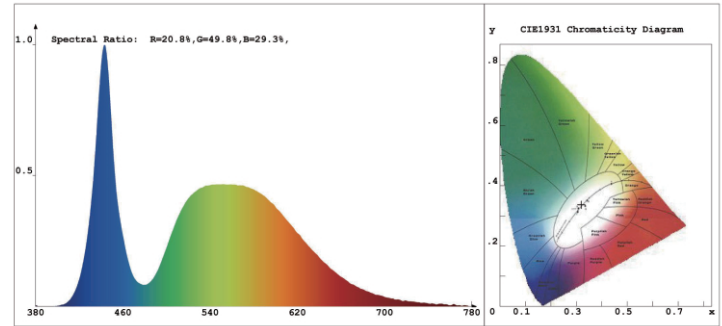
Rendering Index:Ra= 71.0
 R1 =70 R2 =73 R3 =77 R4 =73 R5 =72 R6 =66 R7 =78 R8 =59
 R9 =0 R10=38 R11=74 R12=47 R13=69 R14=87 R15=63

Photo Parameters
 Flux:15317.67lm Effi.:129.4lm/W Radiant:43429.0mW Ri:0.0mW/sr

Ele. Parameters
 Voltage:U=220.300V Current:I=0.5490A
 Power:P=118.40W Power Factor:PF=0.979

Instrument state
 Instrument:Hopoo HP8000S Integral Time: 1.237ms VPeak: 15130
 VDark: 1236 Scan Range: 380-780nm Product ID: 201308416

NG-WL-160W



Chroma Parameters
 Chro.Coor.:x=0.3198 y=0.3373 u=0.1996 v=0.3158 duv=0.0039
 CCT: 6096K Dominant Wave.:495.5nm Purity:4.3%
 Flux RGB Ratio:R=12.5%,G=85.2%,B=2.3% Peak Wave:443.5nm Half Width:19.4nm

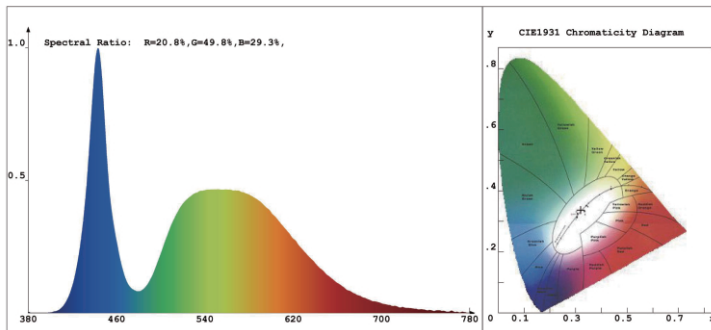
Rendering Index:Ra= 71.2
 R1 =70 R2 =73 R3 =76 R4 =73 R5 =72 R6 =67 R7 =78 R8 =60
 R9 =0 R10=37 R11=74 R12=47 R13=69 R14=87 R15=64

Photo Parameters
 Flux:21858.60lm Effi.:134.5lm/W Radiant:53253.8mW Ri:0.0mW/sr

Ele. Parameters
 Voltage:U=220.300V Current:I=0.7450A
 Power:P=164.20W Power Factor:PF=0.977

Instrument state
 Instrument:Hopoo HP8000S Integral Time: 1.000ms VPeak: 14672
 VDark: 1245 Scan Range: 380-780nm Product ID: 201308416

NG-WL-200W



Chroma Parameters
 Chro.Coor.:x=0.3198 y=0.3373 u=0.1996 v=0.3158 duv=0.0039
 CCT: 6096K Dominant Wave.:495.5nm Purity:4.3%
 Flux RGB Ratio:R=12.5%,G=85.2%,B=2.3% Peak Wave:443.5nm Half Width:19.4nm

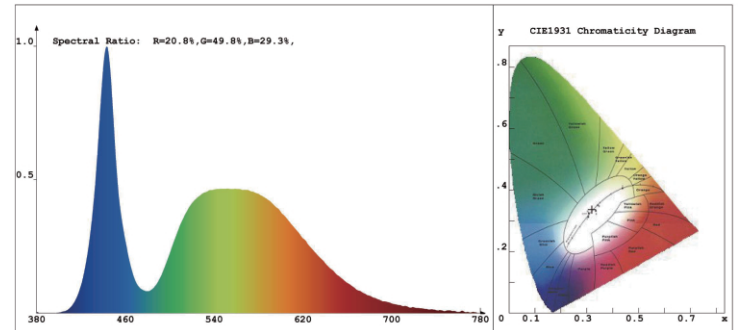
Rendering Index:Ra= 71.2
 R1 =70 R2 =73 R3 =76 R4 =73 R5 =72 R6 =67 R7 =78 R8 =60
 R9 =0 R10=37 R11=74 R12=47 R13=69 R14=87 R15=64

Photo Parameters
 Flux:25625.80lm Effi.:125.5lm/W Radiant:53253.8mW Ri:0.0mW/sr

Ele. Parameters
 Voltage:U=220.300V Current:I=0.9530A
 Power:P=205.20W Power Factor:PF=0.977

Instrument state
 Instrument:Hopoo HP8000S Integral Time: 1.000ms VPeak: 14672
 VDark: 1245 Scan Range: 380-780nm Product ID: 201308416

NG-WL-250W



Chroma Parameters
 Chro.Coor.:x=0.3198 y=0.3373 u=0.1996 v=0.3158 duv=0.0039
 CCT: 6096K Dominant Wave.:495.5nm Purity:4.3%
 Flux RGB Ratio:R=12.5%,G=85.2%,B=2.3% Peak Wave:443.5nm Half Width:19.4nm

Rendering Index:Ra= 71.2
 R1 =70 R2 =73 R3 =76 R4 =73 R5 =72 R6 =67 R7 =78 R8 =60
 R9 =0 R10=37 R11=74 R12=47 R13=69 R14=87 R15=64

Photo Parameters
 Flux:33540.20lm Effi.:130.6lm/W Radiant:53253.8mW Ri:0.0mW/sr

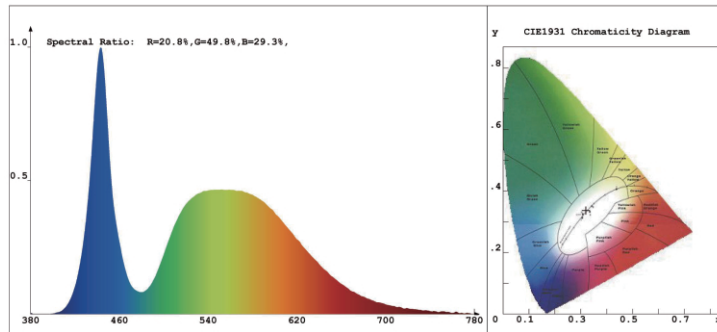
Ele. Parameters
 Voltage:U=220.300V Current:I=0.9530A
 Power:P=258.20W Power Factor:PF=0.977

Instrument state
 Instrument:Hopoo HP8000S Integral Time: 1.000ms VPeak: 14672
 VDark: 1245 Scan Range: 380-780nm Product ID: 201308416

LED LIGHT SMANUFACTURER

IES REPORT

NG-WL-300W



Chroma Parameters

Chro.Coor.:x=0.3198 y=0.3373 u=0.1996 v=0.3158 duv=0.0039

CCT: 6096K Dominant Wave.:495.5nm Purity:4.3%

Flux RGB Ratio:R=12.5%,G=85.2%,B=2.3% Peak Wave:443.5nm Half Width:19.4nm

Rendering Index:Ra= 71.2

R1 =70 R2 =73 R3 =76 R4 =73 R5 =72 R6 =67 R7 =78 R8 =60
R9 =0 R10=37 R11=74 R12=47 R13=69 R14=87 R15=64

Photo Parameters

Flux:39280.50lm Effi.:130.6lm/W Radiant:53253.8mW Ri:0.0mW/sr

Ele. Parameters

Voltage:U=220.300V

Current:I=0.9530A

Power:P=300.20W

Power Factor:PF=0.977

Instrument state

Instrument:Hopoo HP8000S

Integral Time: 1.000ms

VPeak: 14672

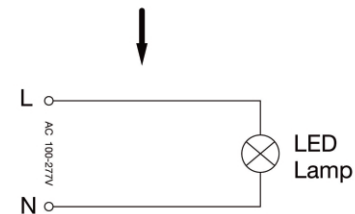
VDark: 1245

Scan Range: 380-780nm

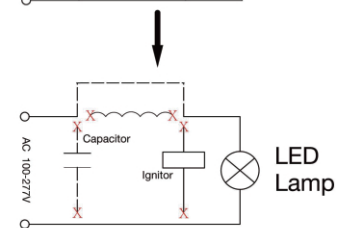
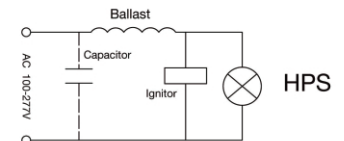
Product ID: 201308416

SCHEMATIC DIAGRAM

REPLACE CFL



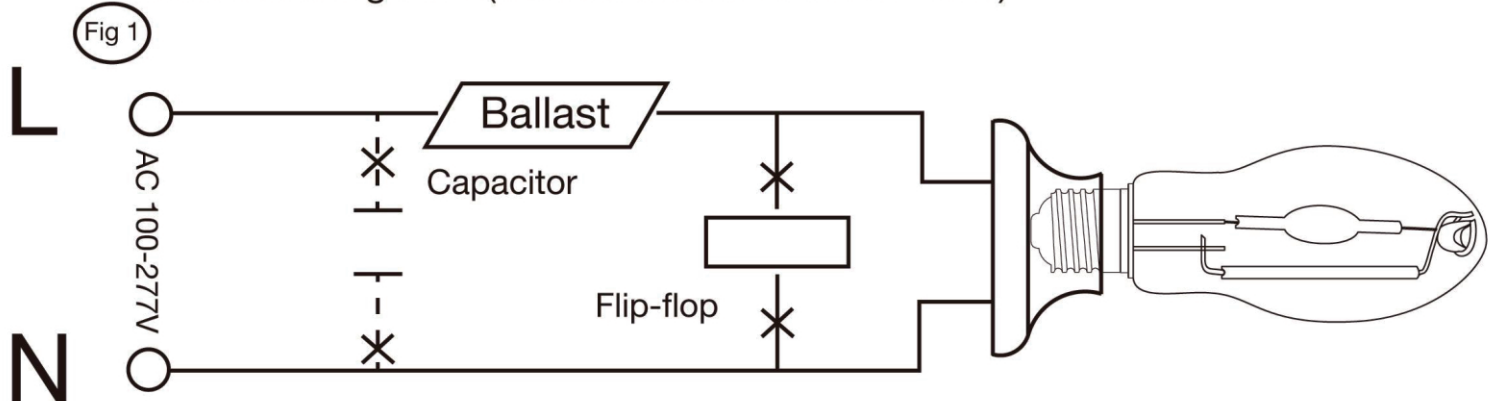
REPLACE HPS



1.Remove old ballast or disconnect from existing lamp holder.

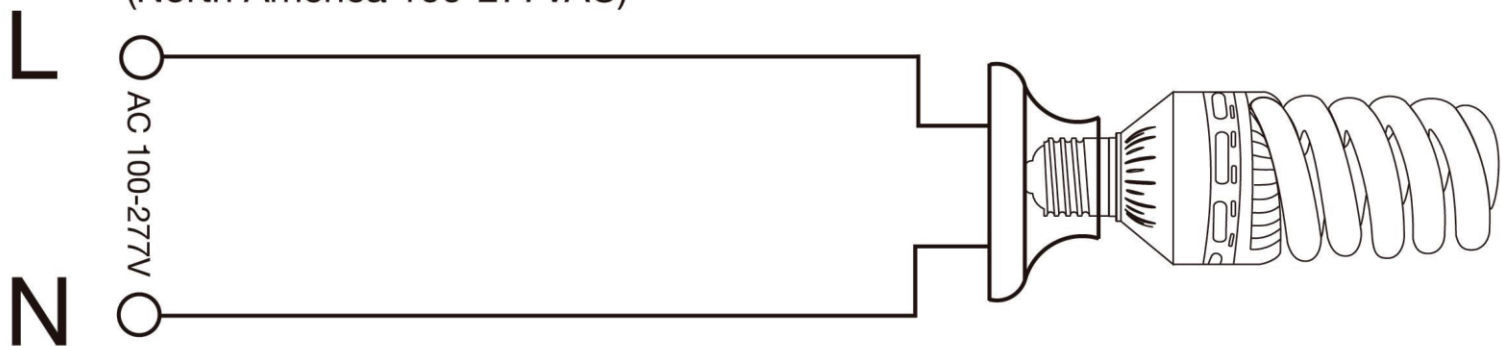
Remove and dispose of ballast in correct manner.

Shown as Figure 1.(North America 100-277 VAC)

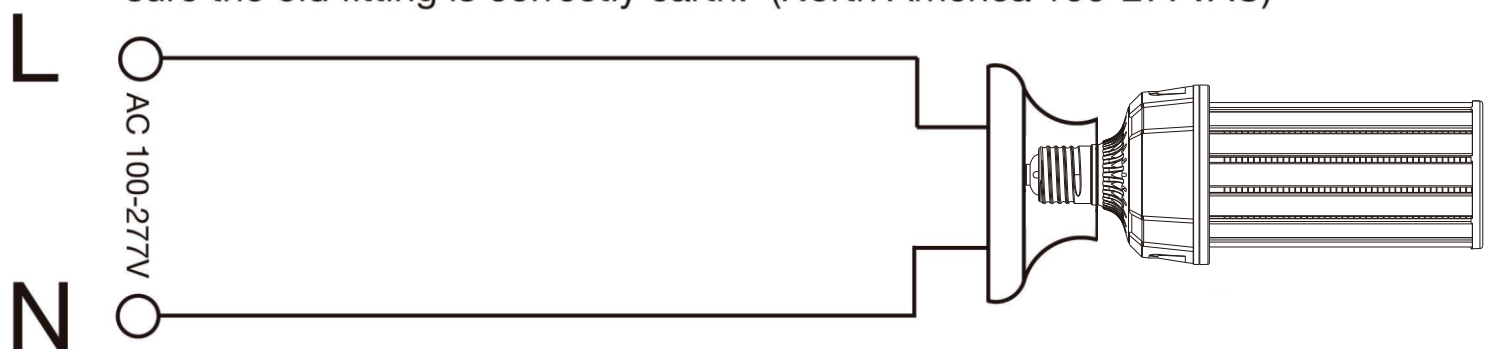


2.Reconnect directly to the existing lamp holder. Shown as Figure 2

(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)



Flood Light Fixture



Cobra Fixture



Post Top Fixture



Shoebox Fixture



Wall Pack Fixture



High Bay Fixture



Parking Lot



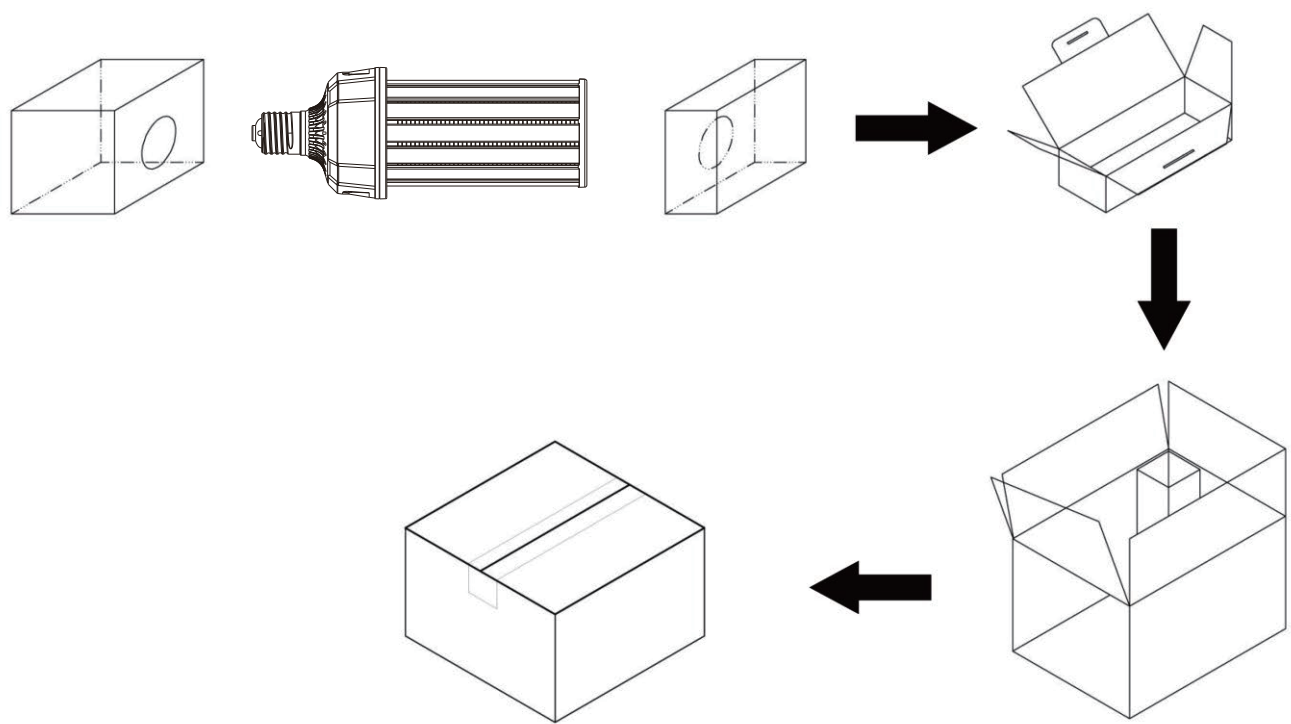
Yard



Street



Stadium



Series	Net Weight	Unit	Package Size	Volume
NGWL-30W12S	0.35kg	1 pcs	23.5*12.5*12.5cm	0.004m³
		18 pcs	48.5*40.5*40.5cm	0.080m³
NGWL-60W12S	0.491kg	1 pcs	29.5*12.5*13cm	0.004m³
		16 pcs	53*31*53.5cm	0.088m³
NG-WL-80W14S	0.817kg	1 pcs	28*13.5*13.5cm	0.005m³
		12 pcs	56.5*43*29.5cm	0.072m³
NG-WL-100W14S	0.885kg	1 pcs	30.5*13.5*13.5cm	0.005m³
		12 pcs	56*31.5*43cm	0.075m³
NG-WL-120W14S	0.982kg	1 pcs	33.5*13.5*13.5cm	0.006m³
		12 pcs	56*34.5*43cm	0.083m³
NG-WL-160W16S	1.046kg	1 pcs	37.5*13.5*13.5cm	0.007m³
		12 pcs	56*38.5*43cm	0.092m³
NG-WL-200W16S	1.158kg	1 pcs	39.5*13.5*13.5cm	0.007m³
		12 pcs	56*41.5*43cm	0.099m³
NG-WL-250W16S	1.281kg	1 pcs	37.5*13.5*13.5cm	0.007m³
		12 pcs	56*38.5*43cm	0.093m³
NG-WL-300W16S	1.41kg	1 pcs	39.5*13.5*13.5cm	0.007m³
		12 pcs	56*41.5*43cm	0.099m³
NG-WL-80WH14S	0.837kg	2 pcs	32*28*15cm	0.013m³
		12 pcs	58*45*32cm	0.083m³
NG-WL-100WH14S	0.992kg	2 pcs	32*28*15cm	0.013m³
		12 pcs	58*44*34cm	0.086m³
NG-WL-120WH14S	1.015kg	2 pcs	36*30*15cm	0.016m³
		12 pcs	58*44*36cm	0.091m³
NG-WL-160WH16S	1.19kg	2 pcs	39*30*17cm	0.019m³
		12 pcs	58*45*40cm	0.104m³
NG-WL-200WH16S NG-WL-250WH16S	1.281kg	1 pcs	37.5*13.5*13.5cm	0.007m³
		12 pcs	56*38.5*43cm	0.093m³