

LED BARN LIGHT



Dusk-to-dawn LED Outdoor Barn Light (Photocell Included)

Model No.: NG-SP-35W NG-SP-50W NG-SP-80W NG-SP-100W NG-SP-120W

Power: 35W 50W 80W 100W 120W

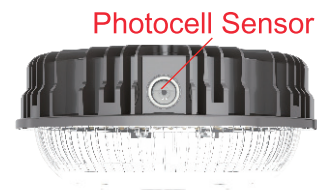
Features

- Universal voltage AC100-277V 50/60Hz.
- 150lm/W for fixture.
- Using high quality SMD2835 chips.
- Constant current power supply.
- High Power Factor >0.9, Low THD Driver.
- Constructed from die-cast aluminium, with a PC cover, and rated at IP65.
- Respirator design: Balance the different pressure between the atmosphere and the shell, it is water proof also defog and avoiding the drop condensation, extend the product lifespan.
- 5 years Warranty.
- Available with Photocell.

NG-SP-35W NG-SP-50W

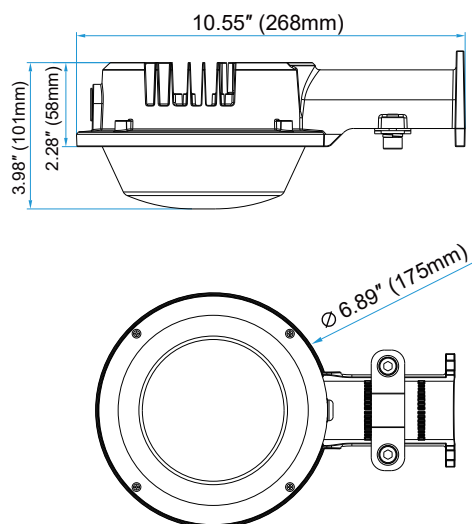


NG-SP-80W NG-SP-100W NG-SP-120W

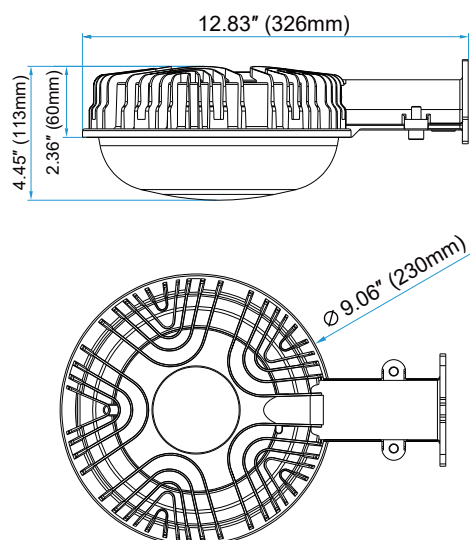


Drawing Unit: inch/mm

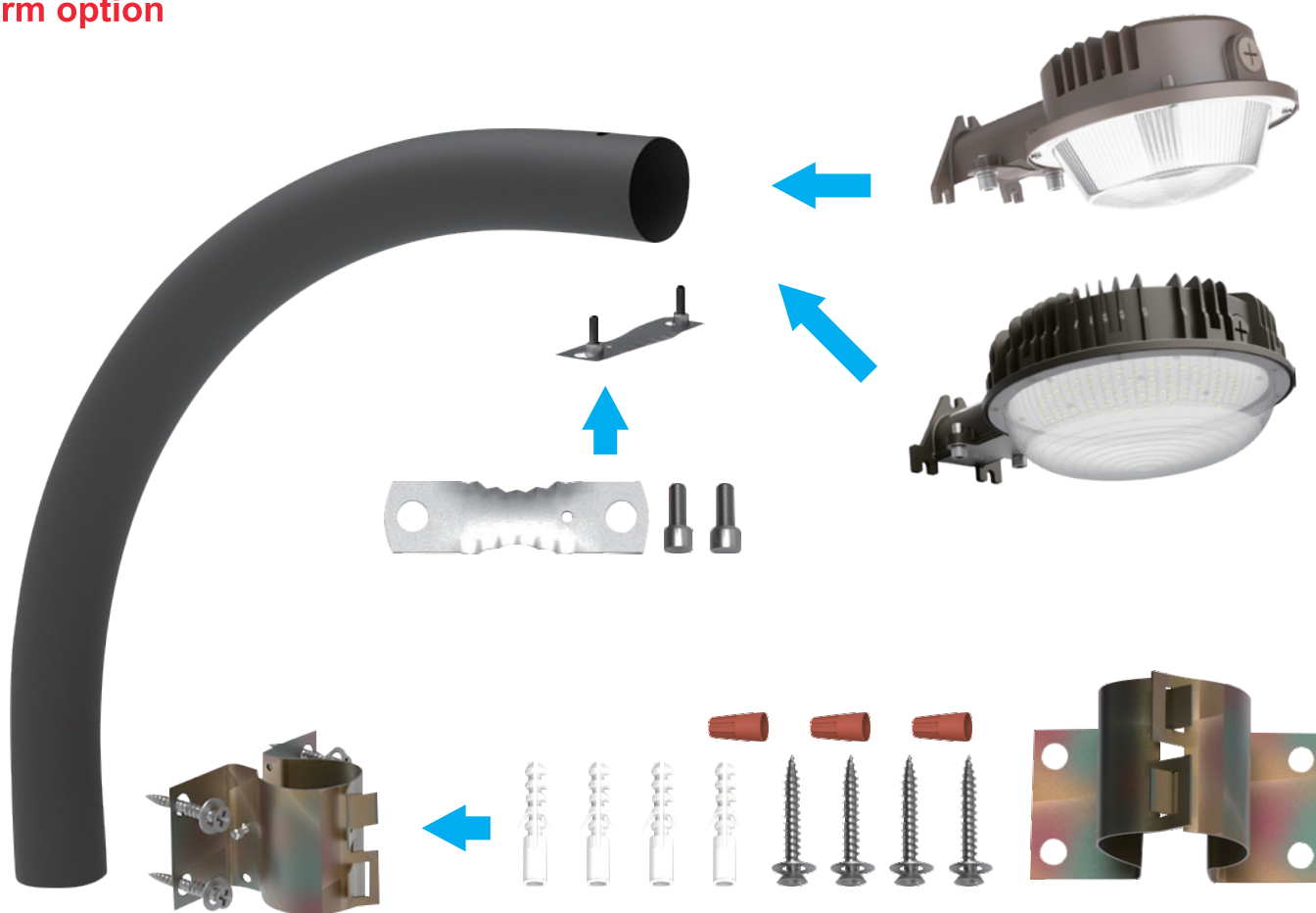
NG-SP-35W NG-SP-50W

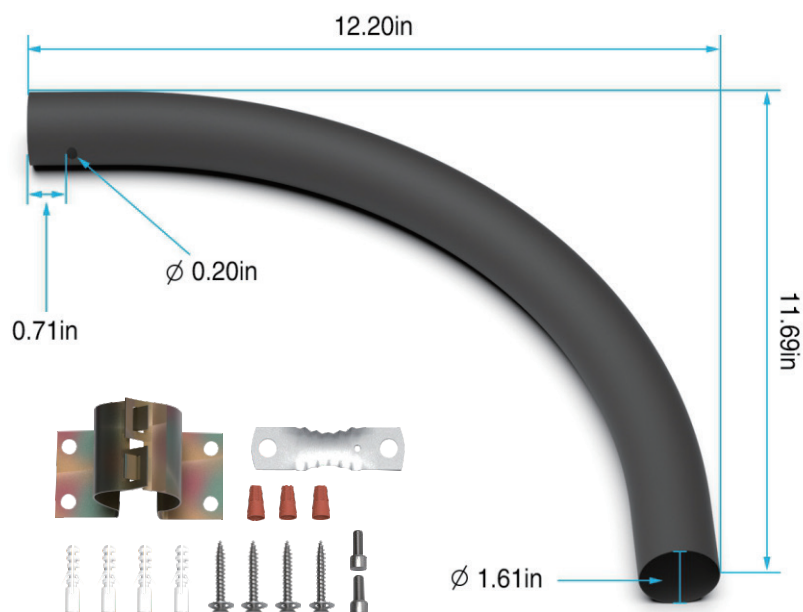


NG-SP-80W NG-SP-100W NG-SP-120W



Arm option





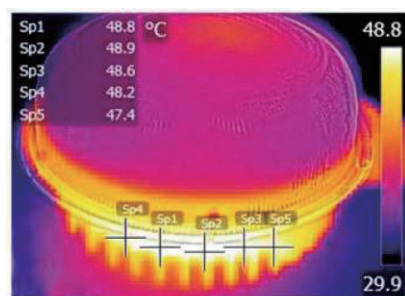
Application

Widely used in Shopping mall, hotel, shop, showroom, cafe, restaurant, garden, porch, etc.



Chip Temperature Test

Great heat dissipation performance, good for LED lifespan



Parameters

| Item | Model | NG -SP-35W | NG -SP-50W |
|---------------------|-----------------------|-------------------------|-------------------------|
| General Performance | Power | 35W | 50W |
| | Lumen Output | 5250 lm | 7500 lm |
| | Efficacy | 150 lm/W | 150 lm/W |
| | Color Temperature | 3000K/4000K/5000K/5700K | 3000K/4000K/5000K/5700K |
| | LED type | SMD 2835 | SMD 2835 |
| | CRI | Ra>80 | Ra>80 |
| Electrical | Power Factor | >0.9 | >0.9 |
| | Input Voltage | 100-277VAC,50/60Hz | 100-277VAC,50/60Hz |
| | THD | <20% | <20% |
| | Beam angle | 120° | 120° |
| Physical | Weight | 2.2Kg | 2.5Kg |
| | Dimension | 268x175x101mm | 268x175x101mm |
| | Housing | Die-cast aluminum | Die-cast aluminum |
| | Cover | PC | PC |
| | Mounting | Wall Mounting | Wall Mounting |
| | Operation Temperature | -35℃~55℃ | -35℃~55℃ |
| | Finish | Black | Black |
| | IP rated | Ip65 | Ip65 |
| Certificate | Certificate | CE, RoHS | CE, RoHS |
| | Material Usage | RoHS compliant | RoHS compliant |
| | Driver Class | Class II | Class II |
| | LED Class | Rated to 50,000 hours | Rated to 50,000 hours |

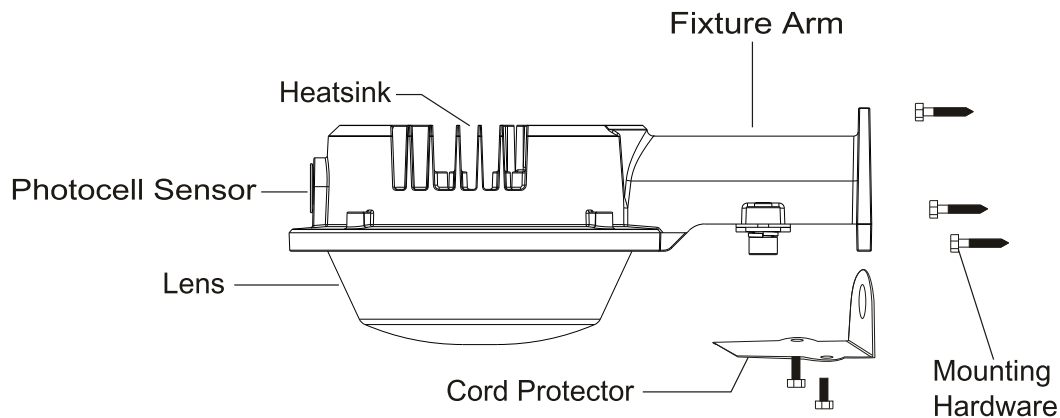
(The "XX" represents Color temperature.)

| Item | Model | NG -SP-80W | NG -SP-100W | NG -SP-120W |
|---------------------|-----------------------|-------------------------|-------------------------|-------------------------|
| General Performance | Power | 80W | 100W | 120W |
| | Lumen Output | 12000 lm | 15000 lm | 18000 lm |
| | Efficacy | 150 lm/W | 150 lm/W | 150 lm/W |
| | Color Temperature | 3000K/4000K/5000K/5700K | 3000K/4000K/5000K/5700K | 3000K/4000K/5000K/5700K |
| | LED type | SMD 2835 | SMD 2835 | SMD 2835 |
| | CRI | Ra>80 | Ra>80 | Ra>80 |
| Electrical | Power Factor | >0.9 | >0.9 | >0.9 |
| | Input Voltage | 100-277VAC,50/60Hz | 100-277VAC,50/60Hz | 100-277VAC,50/60Hz |
| | THD | <20% | <20% | <20% |
| | Beam angle | 120° | 120° | 120° |
| Physical | Weight | 2.7Kg | 2.85Kg | 2.95Kg |
| | Dimension | 325x230x123mm | 325x230x123mm | 325x230x123mm |
| | Housing | Die-cast aluminum | Die-cast aluminum | Die-cast aluminum |
| | Cover | PC | PC | PC |
| | Mounting | Wall Mounting | Wall Mounting | Wall Mounting |
| | Operation Temperature | -35℃~55℃ | -35℃~55℃ | -35℃~55℃ |
| | Finish | Gray | Gray | Gray |
| | IP rated | Ip65 | Ip65 | Ip65 |
| Certificate | Certificate | ETL , cETL , CE , RoHS | ETL , cETL , CE , RoHS | ETL , cETL , CE , RoHS |
| | Material Usage | RoHS compliant | RoHS compliant | RoHS compliant |
| | Driver Class | Class II | Class II | Class II |
| | LED Class | Rated to 50,000 hours | Rated to 50,000 hours | Rated to 50,000 hours |

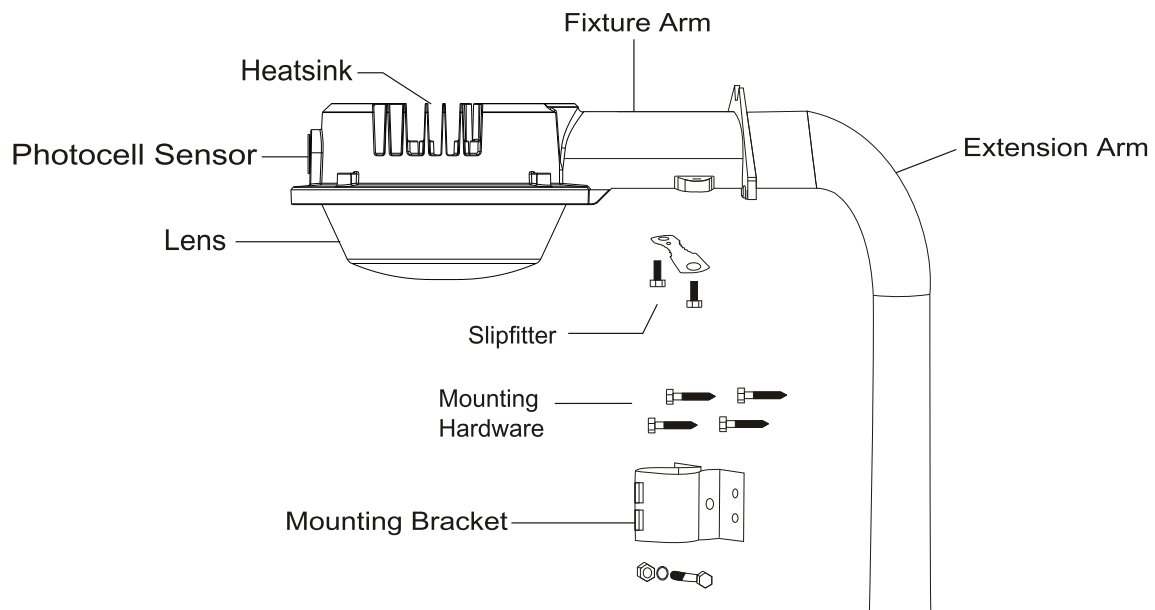
NG-SP-35W NG-SP-50W

1. Dusk-to-dawn LED Outdoor Barn Light luminaire features a design that can be mounted to any vertical surface using lag bolts or other comparable and suitable anchors, with a wiring compartment that is easily accessible without the need to remove the lens or disassemble the fixture.
2. Dusk-to-dawn LED Outdoor Barn Light can also be mounted to existing 1-1/2" or 1-5/8" pipe mounts, offering the installer the flexibility to satisfy many different mounting applications and requirements.
3. This is especially useful when using the LED Outdoor Barn Light to retrofit older dusk-to dawn luminaires.

INSTALLATION#1-Wall Mounting:



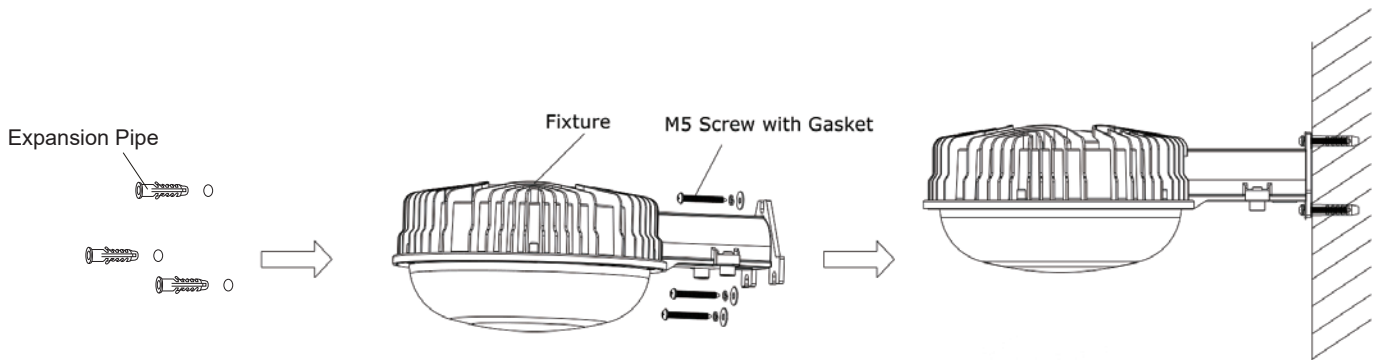
INSTALLATION #2 -Arm Mounting



NG-SP-80W NG-SP-100W NG-SP-120W

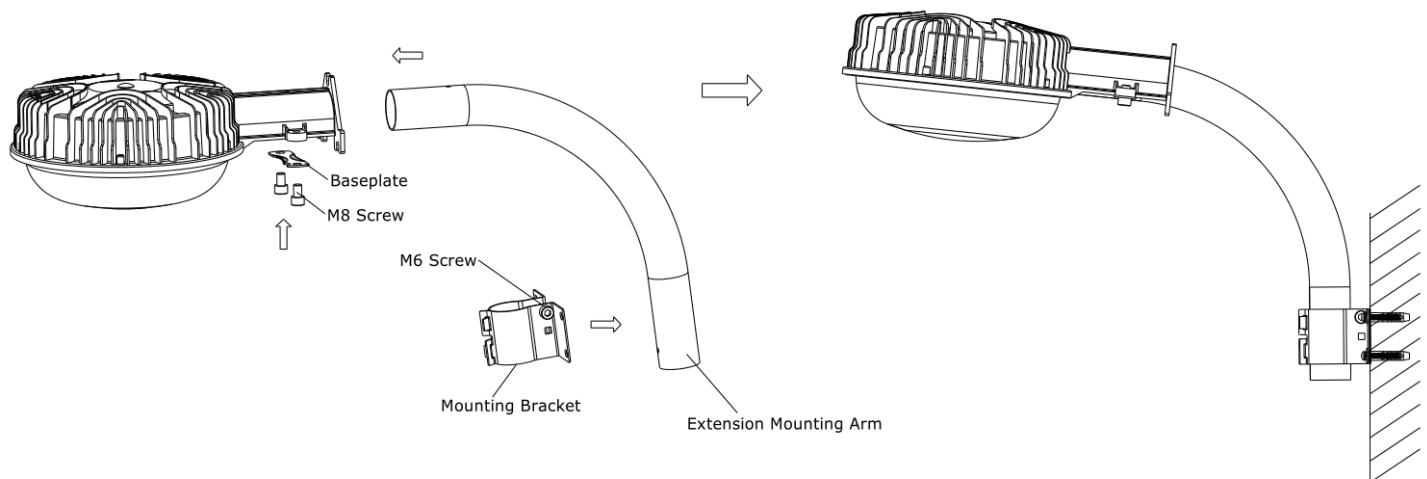
INSTALLATION#1-Wall Mounting:

1. Drill three holes into the wall, then screw the expansion pipe into the holes
2. Connect AC Power Line, Black-L wire, White-N Wire, Green-E Wire
3. Tighten three M5 screws with gaskets to fix the light on the wall



INSTALLATION #2 -Arm Mounting(Kindly Note: Mounting Hardware is not included):

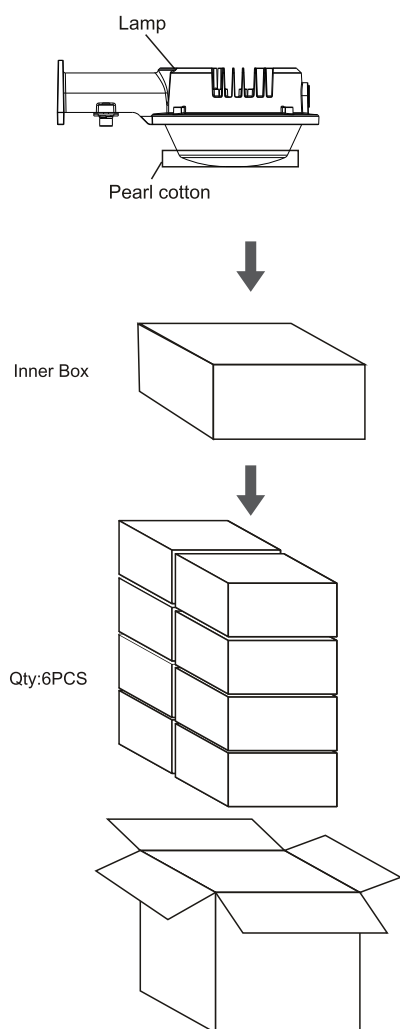
1. Connect AC Power Line, Black-L wire, White-N Wire, Green-E Wire
2. Tighten the mounting bracket on the extension arm with M6 screw, then install the baseplate and two M8 screw to fix the arm on the fixture
3. Drill into the wall, then screw the expansion pipe into the holes
4. Tighten Four M5 screws to fix the light on the wall



Packaging: Wall Mounting

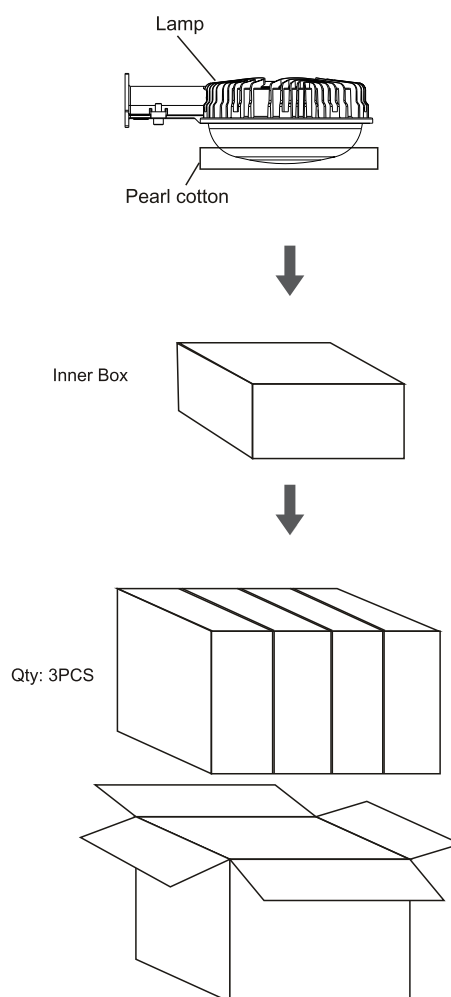
| No. | Model | Power | N.W. | Inner Box | Qty/ctn | G.W | Outer Carton |
|-----|------------|-------|--------|---------------|---------|--------|---------------|
| 1 | NG-SP-35W | 35W | 2.2Kg | 296x203x132mm | 8 | 10.5KG | 570x315x435mm |
| 2 | NG-SP-50W | 50W | 2.5Kg | 296x203x132mm | 8 | 11.5KG | 570x315x435mm |
| 3 | NG-SP-80W | 80W | 2.7Kg | 380x280x145mm | 4 | 13.5KG | 645x395x310mm |
| 4 | NG-SP-100W | 100W | 2.85Kg | 380x280x145mm | 4 | 14.0KG | 645x395x310mm |
| 5 | NG-SP-120W | 120W | 2.90Kg | 380x280x145mm | 4 | 14.5Kg | 645x395x310mm |

NG-SP-35W NG-SP-50W



Inner Box: 296x203x132mm (11.7"x8"x5.2")
Qty/ctn: 8PCS
Outer Carton4 570x315x435mm (22.4"x12.4"x17.1")

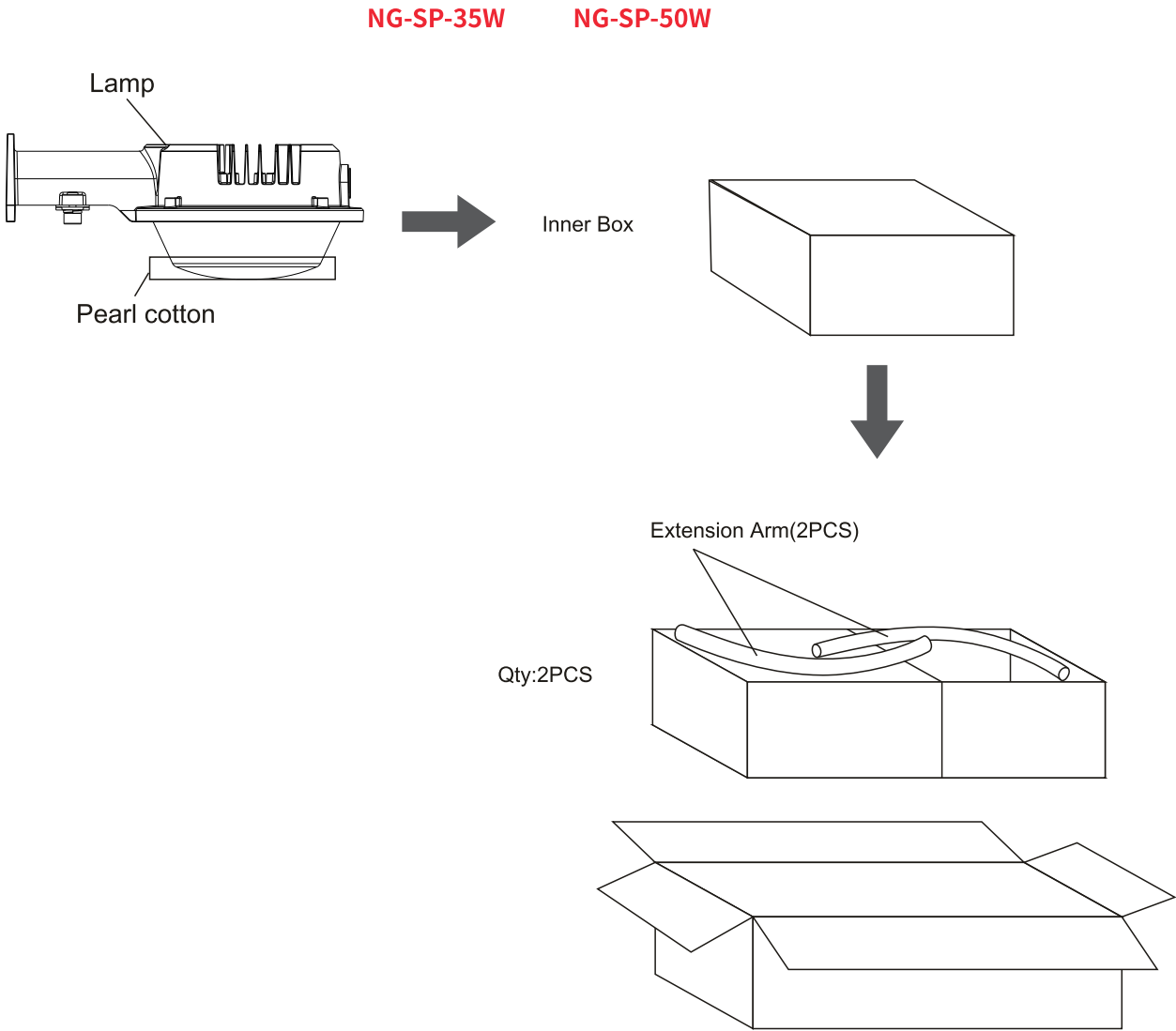
NG-SP-80W NG-SP-100W NG-SP-120W



Inner Box: 380x280x145mm (15"x11"x5.7")
Qty/ctn: 4PCS
Outer Carton5 645x395x310mm (25.4"x16"x12.2")

Packaging: Arm Mounting

| No. | Model | Power | N.W. | Inner Box | Qty/ctn | G.W | Outer Carton |
|-----|-----------|-------|--------|---------------|---------|--------|---------------|
| 1 | NG-SP-35W | 35W | 2.95Kg | 296x203x132mm | 2 | 6.9KG | 570x315x435mm |
| 2 | NG-SP-50W | 50W | 3.25Kg | 296x203x132mm | 2 | 7.5Kg | 570x315x435mm |
| 3 | Arm | | 0.73KG | 430x140x53mm | 27 | 21.5kg | 470x445x445mm |



Inner Box: 296x203x132mm (11.7"x8"x5.2")
Qty/ctn: 2PCS
Outer Carton625x240x170mm(24.6"x9.4"x6.7")