



LED lighting  
Professional Manufacturer

# Specification For Approval

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**SUZHOU JOLIGHTING CO.,LTD**

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Customer Name:

Supplier Name: SuZhou Jolighting co.,ltd

Product Name: LED HighBay Light((NS-GK03122 80-200W))

Effective Date:

| Supplier |  | Customer confirmation       |  |
|----------|--|-----------------------------|--|
| prepared |  | OK <input type="checkbox"/> |  |
|          |  | NG <input type="checkbox"/> |  |
| audit    |  | audit                       |  |
| approval |  | approval                    |  |

Both parties shall sign and seal the specification for approval after confirming it qualified.

## 1.Specification

|                     |                    |         |                    |         |                    |         |                    |         |
|---------------------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|---------|
| Product Code        | NS-GK03122-80W     |         | NS-GK03122-100W    |         | NS-GK03122-150W    |         | NS-GK03122-200W    |         |
| Chip Model&Quantity | LG 3030            |         | LG 3030            |         | LG 3030            |         | LG 3030            |         |
| Color Temperature   | 5000K              |         | 5000K              |         | 5000K              |         | 5000K              |         |
| LM80                | >36000h            |         | >36000h            |         | >36000h            |         | >36000h            |         |
| CRI                 | 70+                |         | 70+                |         | 70+                |         | 70+                |         |
| Power               | 80W                |         | 100W               |         | 150W               |         | 200W               |         |
| Luminous Efficiency | 130LM/W            | 150LM/W | 130LM/W            | 150LM/W | 130LM/W            | 150LM/W | 130LM/W            | 150LM/W |
| Luminous Flux       | 10400LM            | 12000LM | 13000LM            | 15000LM | 19500LM            | 22500LM | 26000LM            | 30000LM |
| Driver Brand        | JR                 |         | JR                 |         | JR                 |         | JR                 |         |
| Beam Angle          | 60°、90°、120°       |         | 60°、90°、120°       |         | 60°、90°、120°       |         | 60°、90°、120°       |         |
| Power Input         | 100-277VAC 50/60HZ |         | 100-277VAC 50/60HZ |         | 100-277VAC 50/60HZ |         | 100-277VAC 50/60HZ |         |
| Working Temp.       | -30-50℃            |         | -30-50℃            |         | -30-50℃            |         | -30-50℃            |         |
| IP Rating           | IP65               |         | IP65               |         | IP65               |         | IP65               |         |
| Life Time           | 60000h             |         | 60000h             |         | 60000h             |         | 60000h             |         |
| Warranty            | 5Years             |         | 5Years             |         | 5Years             |         | 5Years             |         |
| Switching Cycles    | 100000             |         | 100000             |         | 100000             |         | 100000             |         |

Note: 4000/5700K/6500K can be customized upon request.

## 2.Product Photos

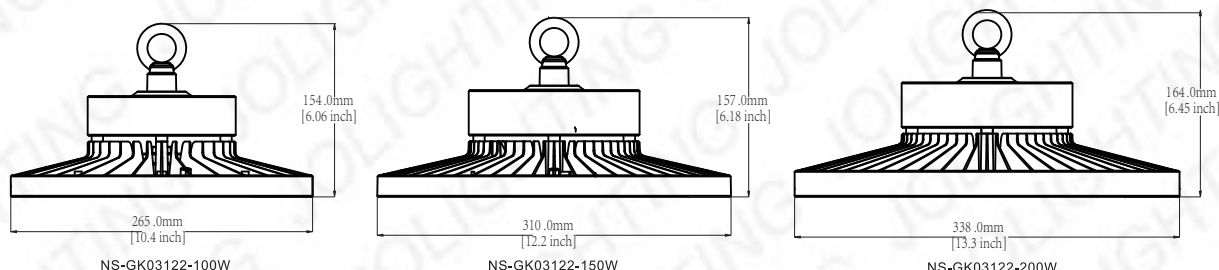




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### 3.Product Basic Diagram



### 4.Microwave Controller Function

| Microwave Controller  |   |                                    |  |  |                                  |   | Notice  |
|---|---|------------------------------------|--|--|----------------------------------|---|---|
| Mode<br>Function  | Basic<br>Mode                                       | Photocontrol<br>Mode               | Microwave<br>Reaction<br>Mode  | Photocontrol+Mic<br>Owave Reaction<br>Mode | Constant<br>illumination<br>Mode | Constant<br>illumination+Reaction<br>Mode |   |
| On/Off  | ○   | ●                                  | ●  | ●  | ●                                | ●   | ● yes ;<br>○ No DC12V<br>Power · 0-10<br>dimmable drive |
| Testing   | ○   | ○                                  | ●  | ●  | ●                                | ●   |   |
| Control Area  | ○   | ○                                  | ●  | ●  | ●                                | ●   |   |
| Photocell   | ○   | ●                                  | ○  | ●  | ●                                | ●   |   |
| Microwave<br>Reaction   | ○   | ○                                  | ●  | ●  | ○                                | ●   |   |
| Constant<br>Illumination  | ○   | ○                                  | ○  | ○  | ●                                | ●   |   |
| Application   | Function  |                                    | Notice   |  |                                  |   |   |
| Application 1<br>(Basic Mode)   | Standard basic mode<br>(without any smart function) |                                    | 100% light output  |  |                                  |   |   |
| Application 2<br>(Photocontrol Mode)                                    | Photocell control<br>brightness                     | 10%-100% Dimmable by<br>controller | Switch on/off lighting follow on nature light  |  |                                  |   |   |
| Application 3<br>(Microwave<br>Reaction Mode)                           | Control Range                                       | 25%-100% Adjusted by<br>controller | Detects the area of moving objects   |  |                                  |   |   |
|   | Delay time  | 0s-∞ Adjusted by controller        | The time fo the brightness continuous from person left to<br>standby brightness situation  |  |                                  |   |   |
|   | Standby brightness                                  | 0%-100% Adjusted by<br>controller  | The setting brightness of lighting until delay time is finished<br>without moving objects situation  |  |                                  |   |   |
|   | Standby Time  | 0s-∞ Adjusted by controller        | The time from standby brightness to switch off lighting.   |  |                                  |   |   |
| Application 4<br>(Photocontrol<br>+Microwave<br>Reaction Mode)          | Control Range                                       | 25%-100% Adjusted by<br>controller | Detects the area of moving objects   |  |                                  |   |   |
|   | Photocell control<br>brightness                     | 10%-100% Adjusted by<br>controller | Switch on/off lighting follow on nature light  |  |                                  |   |   |
|   | Delay time  | 0s-∞ Adjusted by controller        | The time fo the brightness continuous from person left to<br>standby brightness situation  |  |                                  |   |   |
|   | Standby brightness                                  | 0%-100% Adjusted by<br>controller  | The setting brightness of lighting until delay time is finished<br>without moving objects situation  |  |                                  |   |   |
| Application 5<br>(Constant<br>illumination Mode)                        | Control Range                                       | 25%-100% Adjusted by<br>controller | Detects the area of moving objects   |  |                                  |   |   |
|   | Constant illumination                               | 10%-100% Adjusted by<br>controller | Changing the lights brightness follow on nature light.Keeping the area application<br>brightness is constant which is setting depend on inquire. |  |                                  |   |   |
| Application 6<br>(Constant illumination<br>+Microwave Reaction<br>Mode) | Control Range                                       | 25%-100% Adjusted by<br>controller | Detects the area of moving objects   |  |                                  |   |   |
|   | Constant illumination                               | 10%-100% Adjusted by<br>controller | Changing the lights brightness follow on nature light.Keeping the area application<br>brightness is constant which is setting depend on inquire. |  |                                  |   |   |
|   | Delay time  | 0s-∞ Adjusted by controller        | The time fo the brightness continuous from person left to<br>standby brightness situation  |  |                                  |   |   |
|   | Standby brightness                                  | 0%-100% Adjusted by<br>controller  | The setting brightness of lighting until delay time is finished<br>without moving objects situation  |  |                                  |   |   |
|   | Standby Time  | 0s-∞ Adjusted by controller        | The time from standby brightness to switch off lighting.   |  |                                  |   |   |

Note: The scene can be set with the remote control

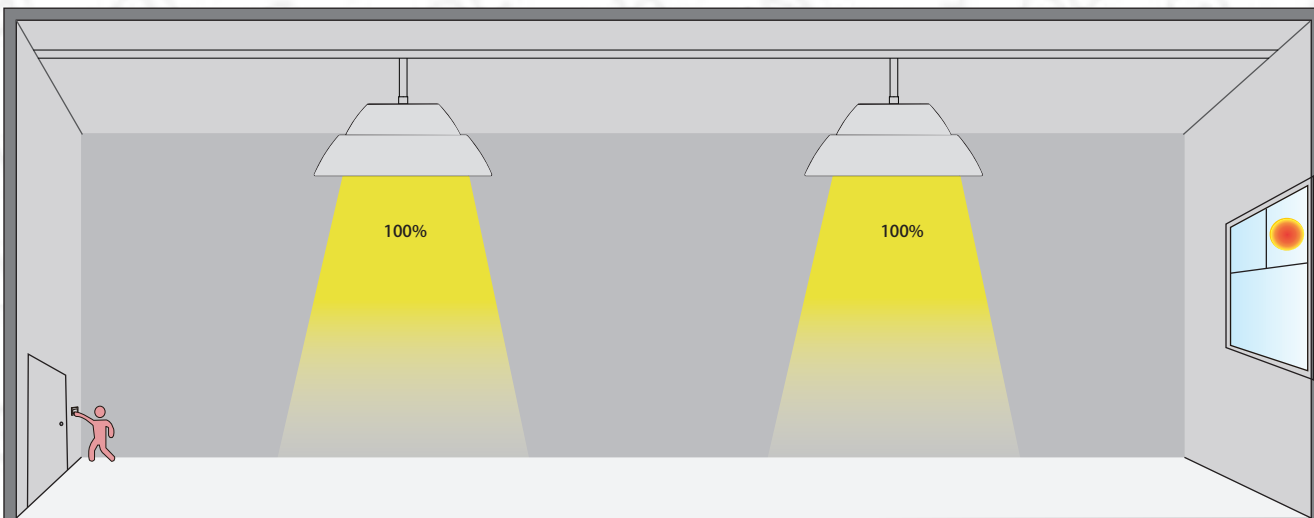


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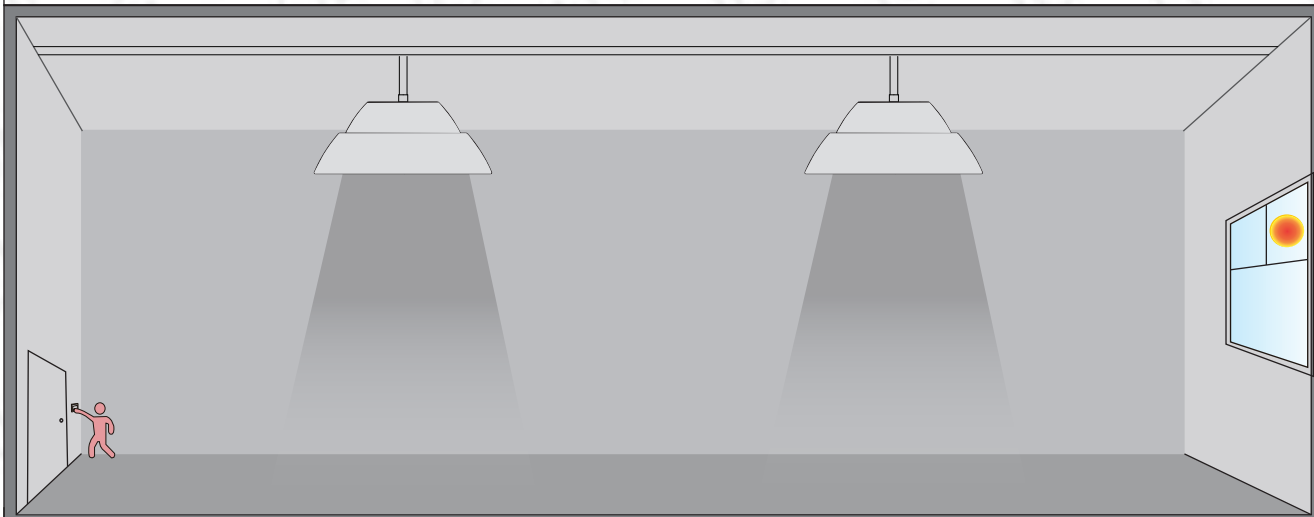
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### 5.Scene Description

| Application 1 |                 |                 |
|---------------|-----------------|-----------------|
| Basic Mode    | Switch position | Lighting status |
|               | On              | On lights       |
|               | Off             | Off lights      |



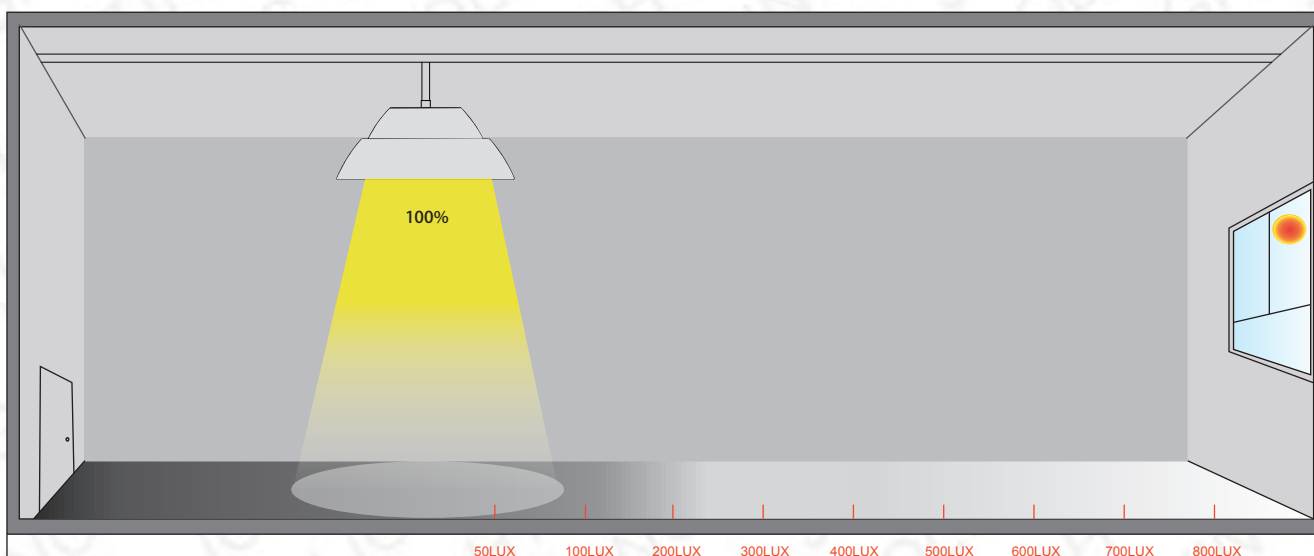
Switch on the lighting



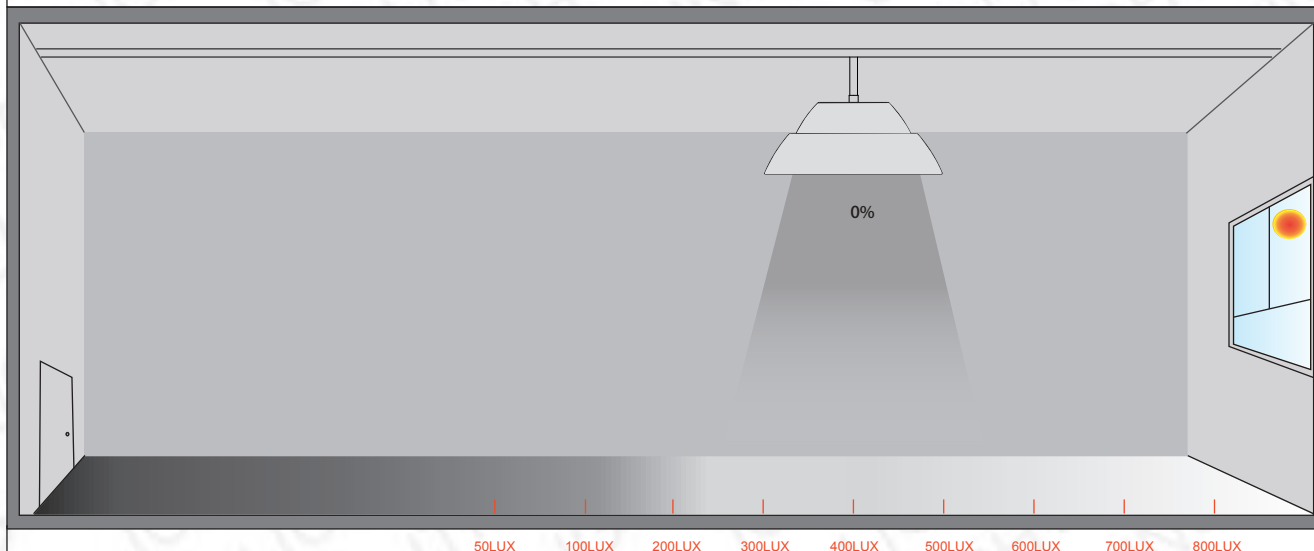
Switch off the lighting



| Application 2     |                    |  |   |                         |
|-------------------|--------------------|--|---|-------------------------|
| Photocontrol Mode | Setting Value      |  | Status  |                         |
|                   | Photocontrol value | Setting Values depend on application inquire | Over the Setting Value<br>Under the Setting Value | Switch off<br>Switch on |

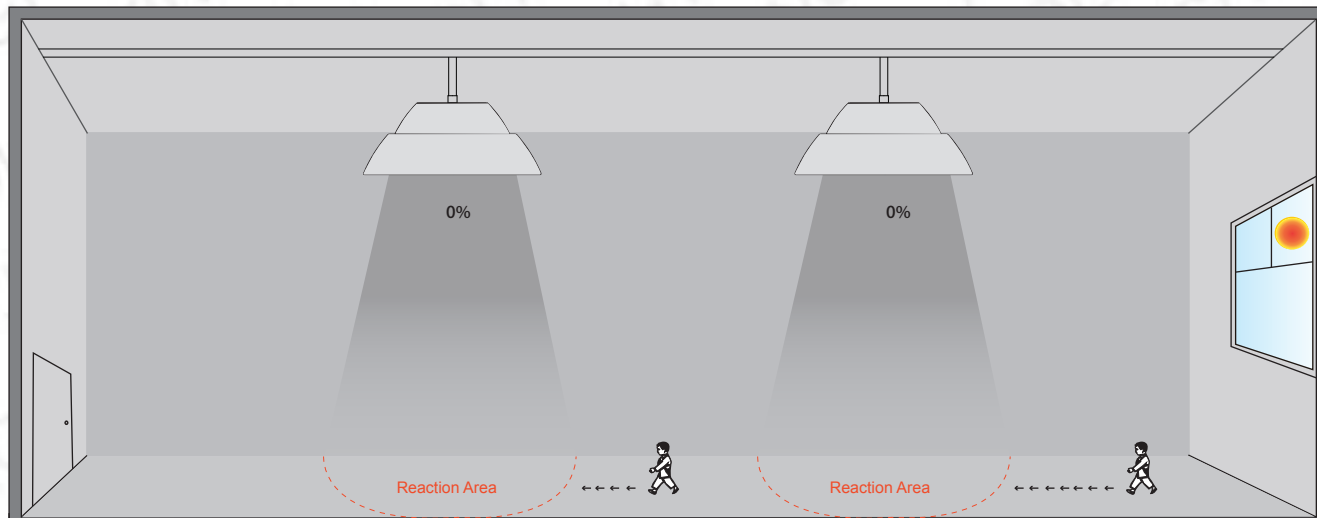


Application area lights illuminance under the setting value, The lighting will switch on

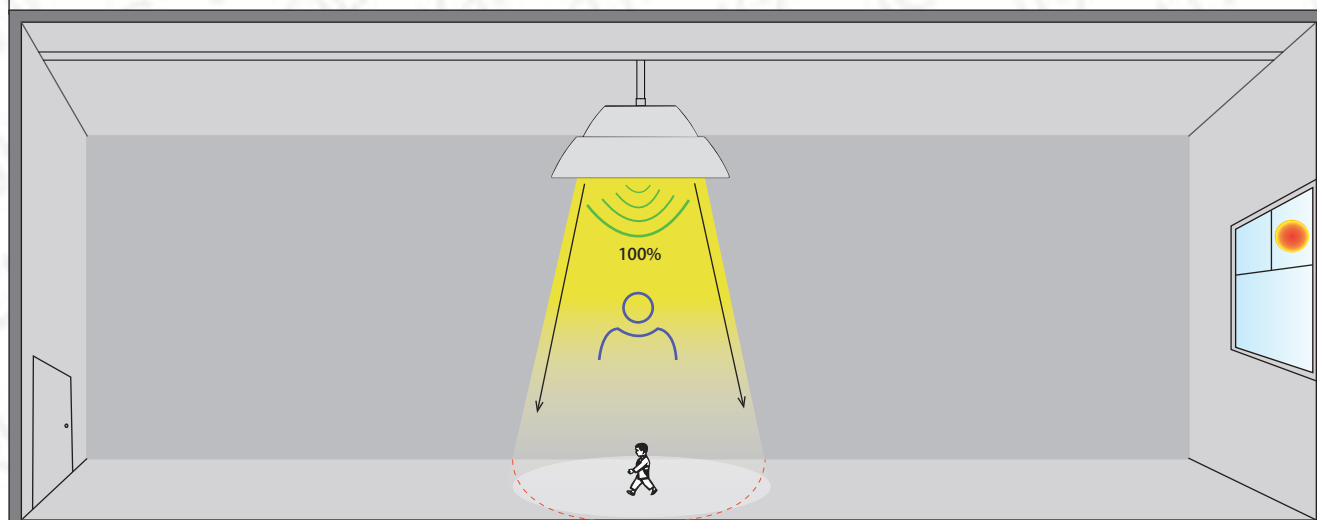


Application area lights illuminance Over the setting value, The lighting will switch off

| Application 3           |                                    |
|-------------------------|------------------------------------|
| Microwave Reaction Mode | Reaction Area                      |
|                         | Reaction Area value can be setting |



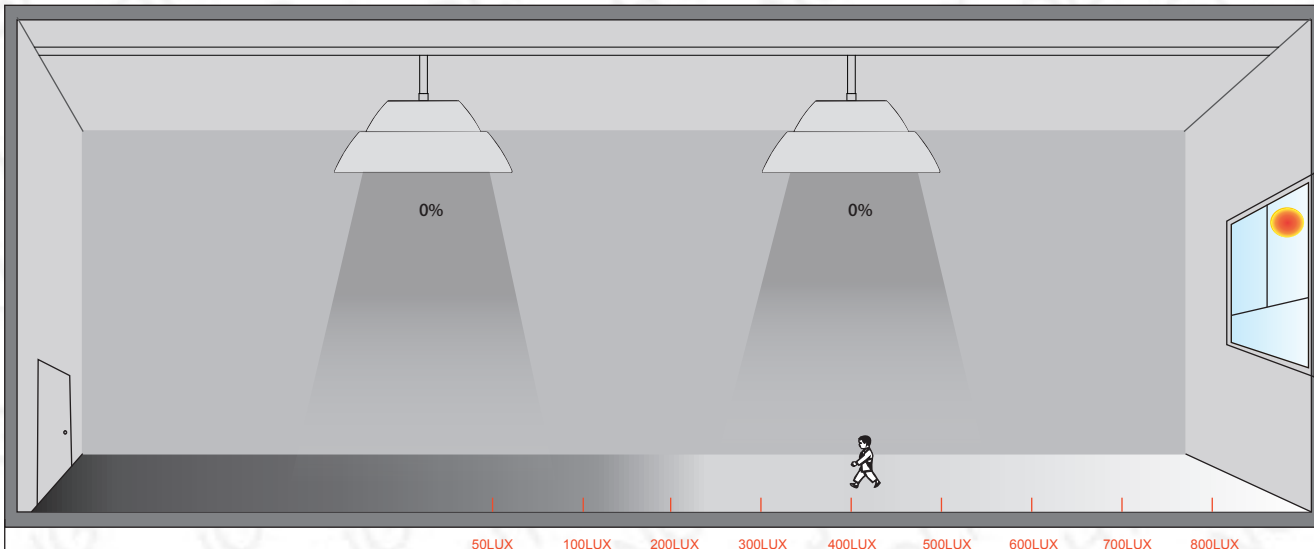
The Microwave can not detect the area of moving objects,the lighting switch off



The Microwave can detect the area of moving objects,the lighting switch on

### Application 4

| Photocontrol<br>+Reaction Mode | Reaction Area(lux)  | 设定值                           |                                       | status              |            |
|--------------------------------|---|-------------------------------|---------------------------------------|---------------------|------------|
|                                | Setting photocell value<br>and reaction area depend<br>on application inquire | Photocell<br>control<br>Value | 10%-100%<br>Adjusted by<br>controller | Over Setting Value  | switch off |
|                                |   |                               |                                       | Under Setting Value | switch on  |



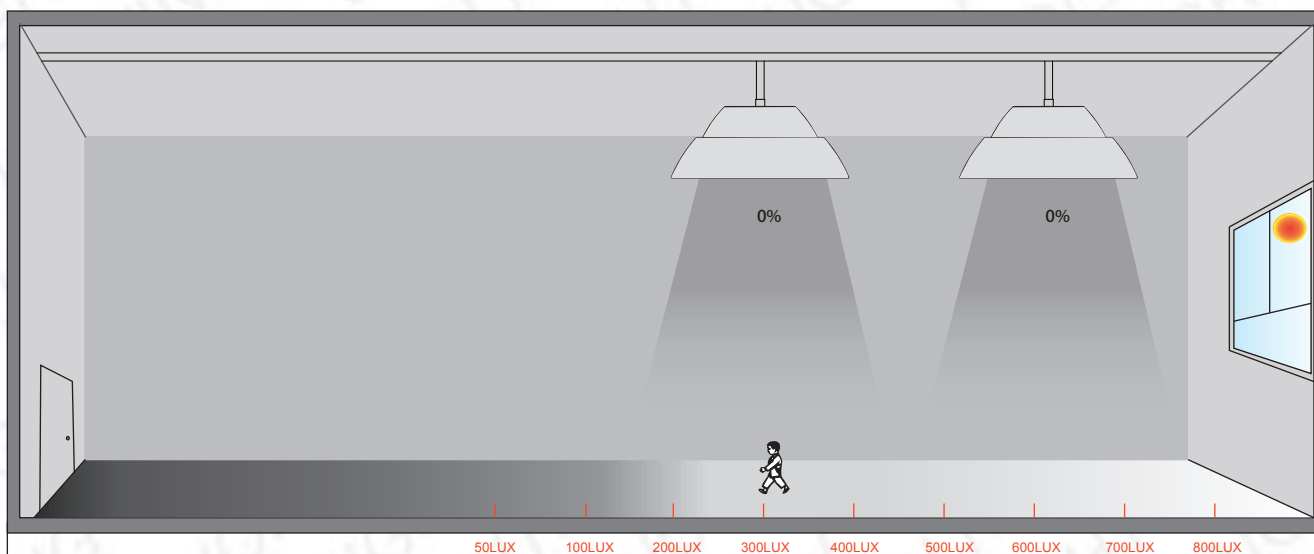
Application area lights illuminance over the setting value, There is moving objects, The lighting switch off;  
Application area lights illuminance under the setting value, There is not moving objects, The lighting switch off;



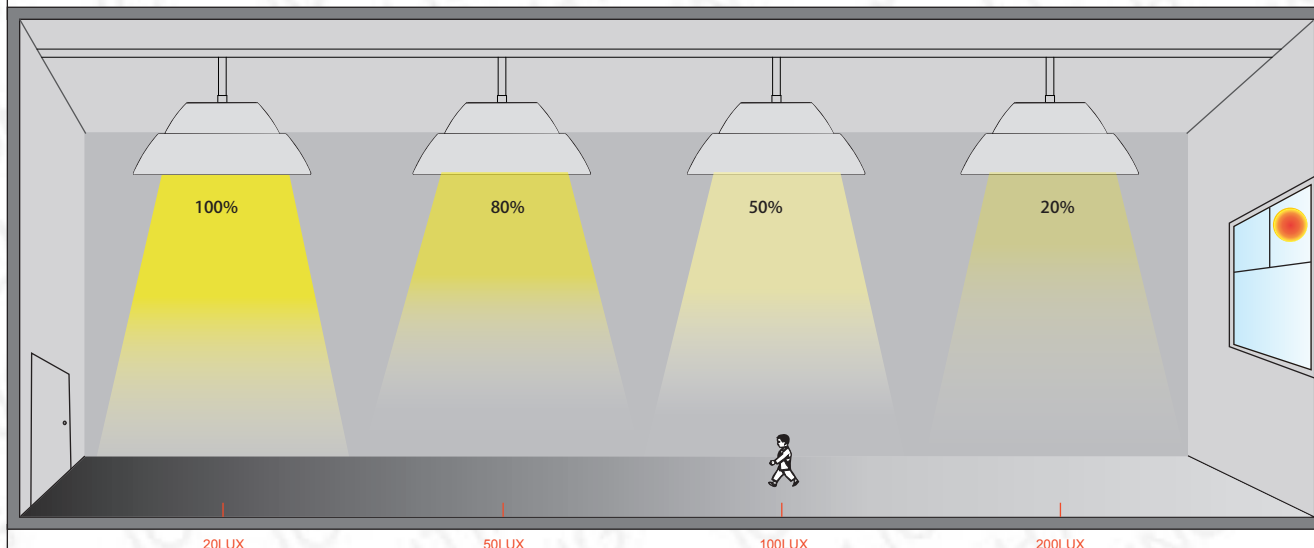
Application area lights illuminance under the setting value, There is moving objects, The lighting switch on;  
Application area lights illuminance over the setting value, There is not moving objects, The lighting switch off;



| Application 5              |                       |                                 |                     |   |
|----------------------------|-----------------------|---------------------------------|---------------------|---|
| Constant illumination Mode | Setting Value         |                                 | Status              |   |
|                            | Constant illumination | 10%-100% Adjusted by controller | Over Setting Value  | Switch off  |
|                            |                       |                                 | Under Setting Value | Adjust brightness proportion automatic follow as nature lights changing |



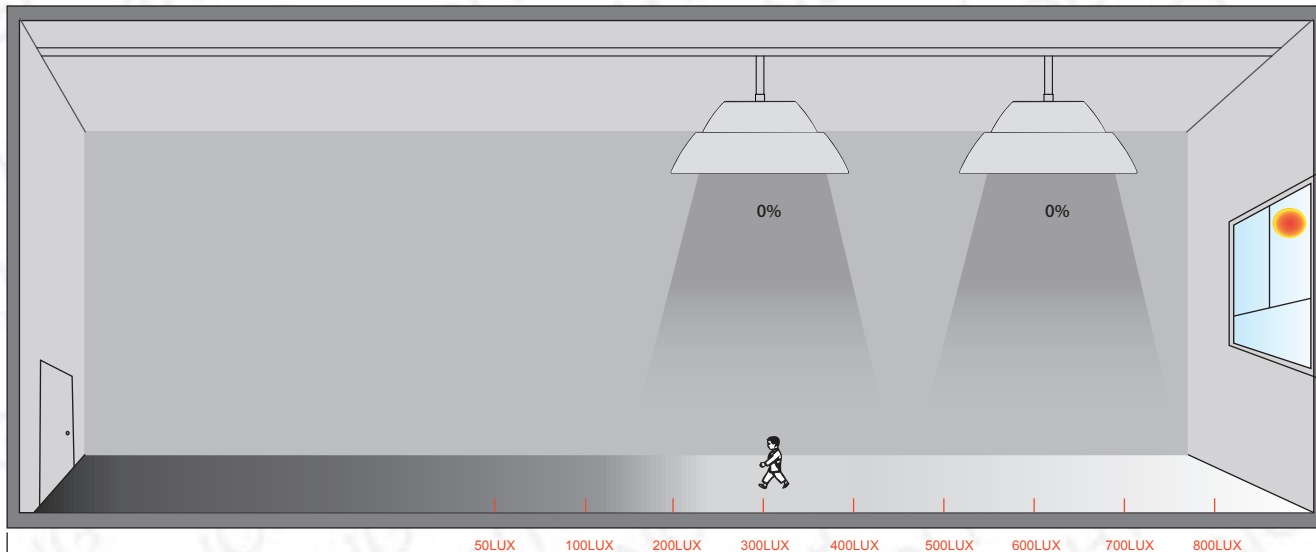
No matter there is moving objects or not, The lighting will reaction nature lights changing first; If the application area lights illuminance over the setting value, The lighting will switch off



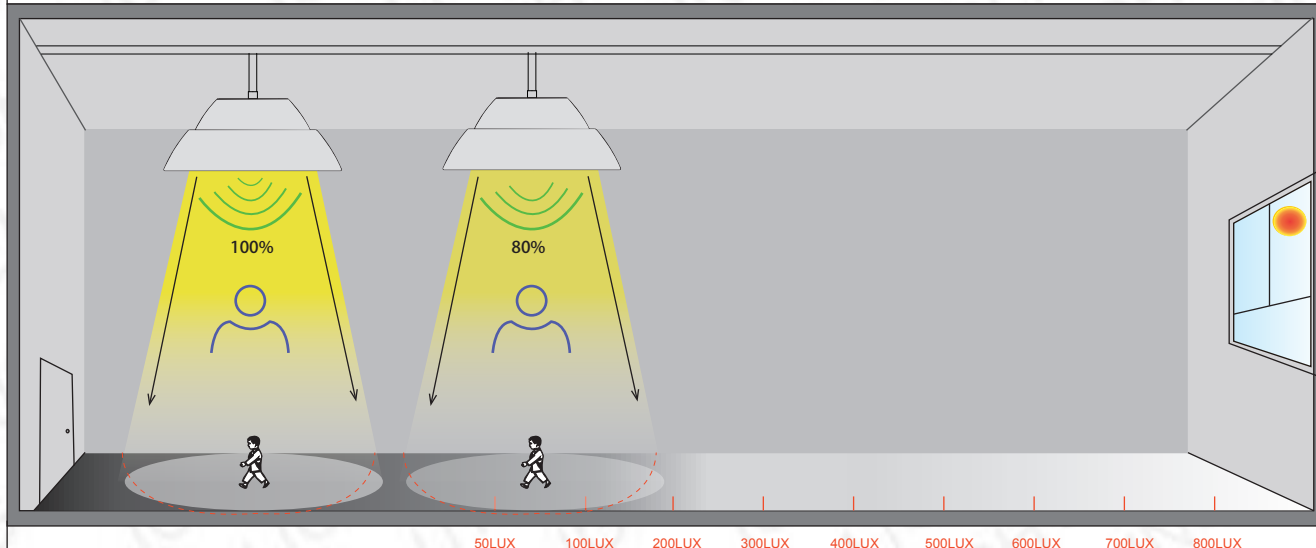
No matter there is moving objects or not, The lighting will reaction nature lights changing first; If the application area lights illuminance under the setting value, The lighting will adjust brightness proportion automatic

### Application 6

| Constant illumination<br>+Microwave Reaction<br>Mode | Reaction Area(lux)                | Setting Value            |                                      | Status              |   |
|--|-----------------------------------|--------------------------|--------------------------------------|---------------------|---|
|  | 25%-100% Adjusted<br>by controler | Constant<br>illumination | 10%-100%<br>Adjusted<br>by controler | Over Setting Value  | switch off  |
|  |                                   |                          |                                      | Under Setting Value | adjust brightness proportion automatic follow as<br>nature lights changing and moving objects satus |



No matter there is moving objects or not, The lighting will reaction nature lights changing first; If the application area lights illuminance over the setting value, The lighting will switch off



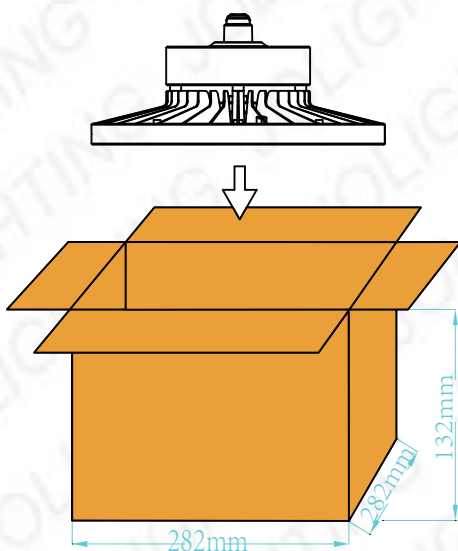
The application area lights illuminance under the setting value, The lighting will adjusted brightness automatic when the moving objects is moving



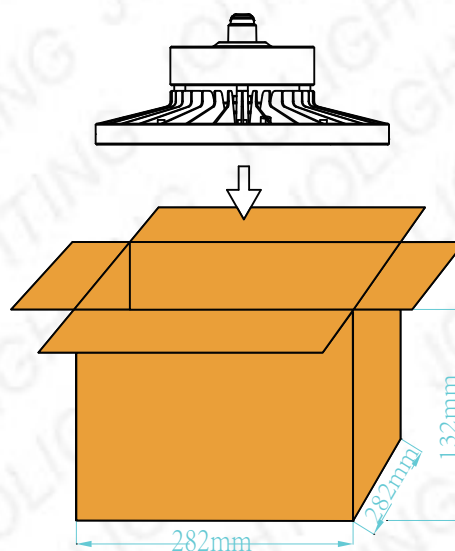
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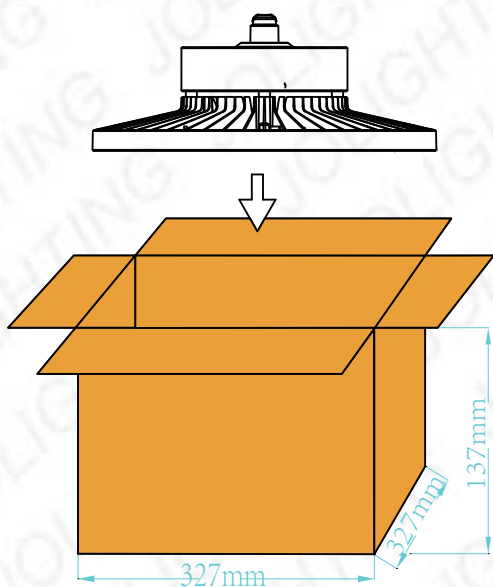
### 6. Packaging



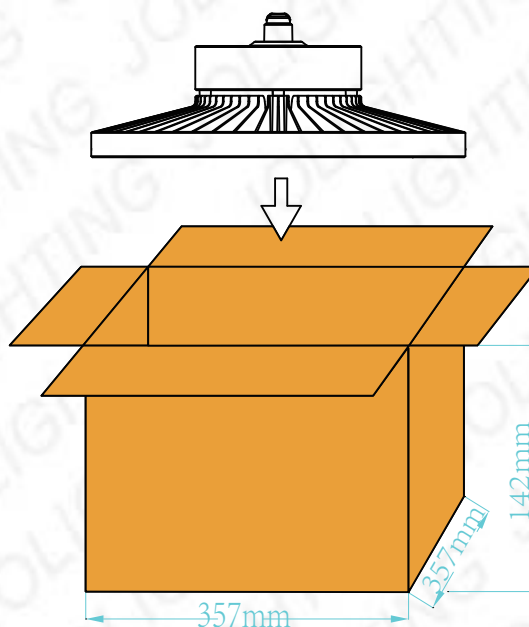
NS-GK03122-80W



NS-GK03122-100W



NS-GK03122-150W



NS-GK03122-200W

| Product Code          | NS-GK03122-80W              | NS-GK03122-100W             | NS-GK03122-150W              | NS-GK03122-200W              |
|-----------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|
| Packing size & Weight | 280*280*135mm<br>1PCS/2.2KG | 280*280*135mm<br>1PCS/2.2KG | 325*325*140mm<br>1PCS/3.52KG | 353*353*145mm<br>1PCS/3.95KG |
| Container Loading     | 40HC 6232PCS                | 40HC 6232PCS                | 40HC 4788PCS                 | 40HC 3564PCS                 |