

IP44 Sensor Specs  
Ambient brightness: 5LUX±5 - 2000LUX  
Lighting Delay: 10s±5s - 10min±2min  
Detection Distance: 4m - 8m±2m  
Detecting Angle: 120°



# Nano EVO LED Sensor Floodlight

## 50W

### Applications:

Residential and  
Commercial Applications.

- Driver on board technology allowing for an ultra-lightweight, compact design with minimal aesthetic impact.
- Thermally tested aluminium fins providing as a heat sink.
- Die Cast Aluminium body, powder coated black with 316 Stainless Steel bolts and screws.
- All our Nano EVO Range LED Floods come complete with a 1m installation cable.
- DC12V Nano flood available in 20W
- Save up to 80% off your electrical bill as oppose to your HID lamps.
- Increase your safety with it's excellent light output and clarity.
- Easy to install 20° smart bracket.

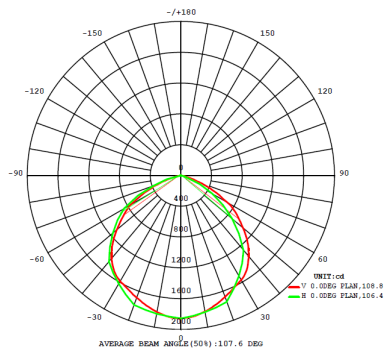
### Product Performance

|  |                       |
|--|-----------------------|
| <b>Wattage</b>                             | 50W                   |
| <b>Colour Temperature &amp; Stock Code</b> | 6000K - <b>F4102S</b> |
| <b>Operating Temperature</b>               | -35~45°C              |
| <b>Life Span</b>                           | 25000hrs              |
| <b>IP Rating</b>                           | IP65   Sensor IP44    |
| <b>LED Driver Brand</b>                    | DOB                   |
| <b>Beam Angle</b>                          | 120°                  |
| <b>Impact Protection Grade</b>             | IK07                  |
| <b>Input Voltage</b>                       | 200-260V              |
| <b>Surge Protection</b>                    | 3kV                   |
| <b>Power Factor</b>                        | 0.9                   |
| <b>CRI</b>                                 | >83                   |
| <b>Lumen Output</b>                        | 5 000                 |
| <b>Lumen Efficiency</b>                    | 100 LM/W              |
| <b>LED Chips</b>                           | 2835 Sanan            |
| <b>LED Chips Qty</b>                       | 84                    |
| <b>Dimmable</b>                            | Non-Dimmable          |
| <b>Dimmable Range</b>                      | -                     |
| <b>(Dali/Trailing/Leading)</b>             | -                     |

### Physical Characteristics

|                                |                      |
|--------------------------------|----------------------|
| <b>Weight (g)</b>              | 790                  |
| <b>Housing Material</b>        | Die-cast Aluminium   |
| <b>Product Dimensions (mm)</b> | H 176 x L 49 x W 183 |
| <b>Cable Length</b>            | 100cm                |
| <b>Mounting Option</b>         | Surface              |
| <b>Bracket Material</b>        | Stainless Steel      |
| <b>Bolts and Screws</b>        | Stainless Steel      |

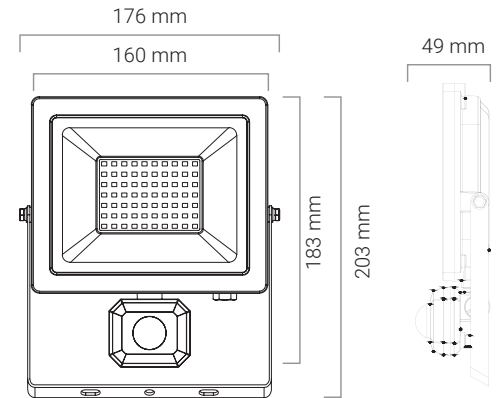
## Luminous Intensity Distribution Diagram



## Packaging



## Dimension Drawing



## Technical Parameters

|                    |              |
|--------------------|--------------|
| Input Current      | 225mA        |
| Output Voltage     | 252          |
| Flicker Free (Y/N) | No           |
| Humidity           | -20~45°C     |
| Frequency          | 50hz         |
| In Rush Current    | 250A         |
| Output Current     | 170mA        |
| THD                | <15%         |
| TA & TC            | TA=85 /TC=80 |
| IES (Yes or No)    | Yes          |

## Regulatory Qualifications

|                   |                        |
|-------------------|------------------------|
| Class Rating      | Class I                |
| Energy Efficiency | A                      |
| Certification     | CE, EMC, ErP, IEC60598 |

## Accessories

### Optional accessories

-

## Packaging info

|                  |          |
|------------------|----------|
| Storage Temp     | -20~40°C |
| Carton Size (mm) | 39*32*24 |
| QTY/CTN          | 10       |
| Net Weight       | 7.9      |
| Gross Weight     | 9.2      |