1. Functions

Nova NS048C is light sensor. It has the following characteristics:

1) Monitor the ambient brightness to achieve automatic brightness adjustment of LED display;

2) Connected to sending card (MSD300/600, MCTRL300/610), PSD100 or function card MFN300;

3) 5-meter standard cable, can be extended to 100 meters;

4) Outdoor use proofing;

5) No external power supply required;

6) Dimension: Ø45x50;
2. Dimensions

Fig. 1 NS048C Dimensions
3. Connection

Connection to function card MFN300:

![Connection to MFN300](image)

Fig. 2 Connection to MFN300

Connection to controller MCTRL300:

![Connection to MCTRL300](image)

Fig. 3 Connection to MCTRL300
4. Working conditions

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Rated voltage</td>
<td>5V</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20°C—75°C</td>
</tr>
<tr>
<td>Operating humidity</td>
<td>0—99%</td>
</tr>
<tr>
<td>Brightness range</td>
<td>0—65535 Lux</td>
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</tbody>
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