

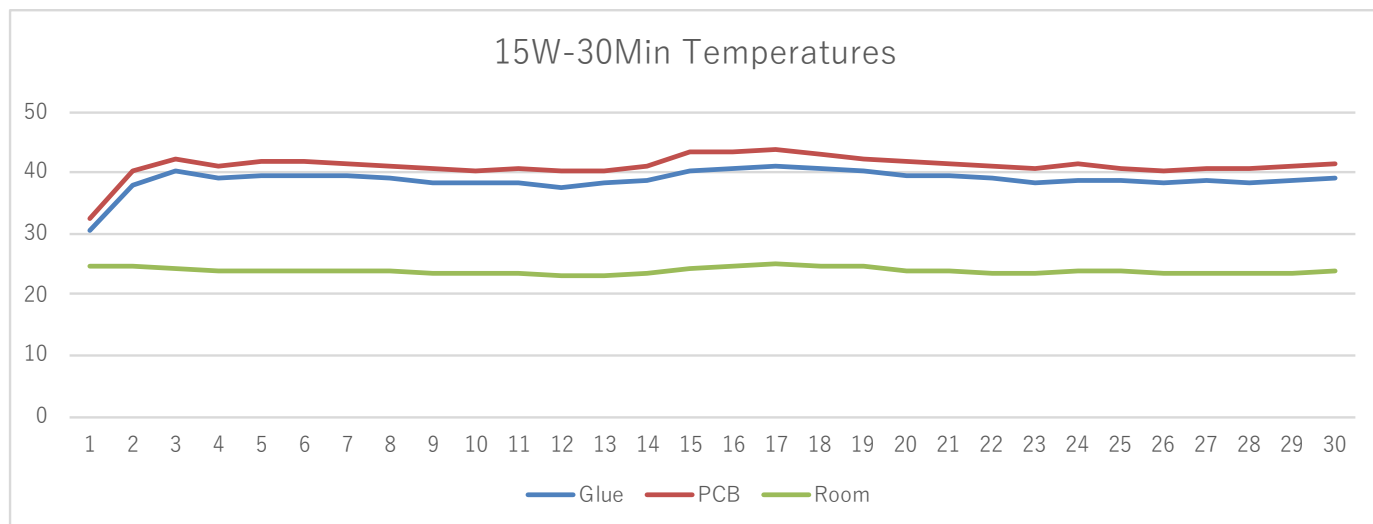
## Feature:

- COB Design, with more chips on PCB, more even light.
- Up to 512 chips on 1 meter PCB, only 1.9mm space between chips.
- Cuttable at every 22.73mm(12Vdc)/45.45mm(24Vdc) length.
- Efficiency up to 105Lm/W.
- CE, Rohs,
- Special design of lens, angle: 168\*147degree
- Suitable for 3-8cm height channel letters

## Specifications:

| Referencia          | Color       | Voltios | Wattios<br>x metro | Medidas mm.<br>L x An x Al | Ángulo<br>de luz | Lúmenes<br>x metro | Distancia de<br>corte mm | LEDs<br>x metro | LEDs<br>x tira |
|---------------------|-------------|---------|--------------------|----------------------------|------------------|--------------------|--------------------------|-----------------|----------------|
| C512HI2414C         | BLANCO 3000 | DC 24 V | 14                 | 5000 x 8 x 1,6             | 120°             | 1190               | 45,45                    | 512             | 2560           |
| C512HI2414W         | BLANCO 6500 |         |                    |                            |                  | 1330               |                          |                 |                |
| Lifespan            |             |         |                    |                            | 50,000 H         |                    |                          |                 |                |
| Working Temperature |             |         |                    |                            | -20°C - 40°C     |                    |                          |                 |                |
| Storage Temperature |             |         |                    |                            | -20°C - 45°C     |                    |                          |                 |                |
| Warranty            |             |         |                    |                            | 3 years          |                    |                          |                 |                |

## Temperature Curve:



- The above curves based on 30 minutes testing data. The Temp. changes after powering within 30 minutes.
- The x-axis indicates the minutes from 1 minutes to 30 minutes.
- The y-axis indicates the changes of temperatures in Glue, PCB and Room.

## Brightness Consistency:

From above charts, for better brightness consistency, the recommend length is 5m for powering on one side.

Chart1, Based on 5m Running

| Length     | 1m      | 2m      | 3m      | 4m      | 5m      |
|------------|---------|---------|---------|---------|---------|
| Voltage    | 23,58   | 23,21   | 22,98   | 22,92   | 22,91   |
| Brightness | 1432,12 | 1259,04 | 1151,45 | 1123,39 | 1118,71 |
| Drop       | 0,00%   | -12,09% | -19,60% | -21,56% | -21,88% |

Chart2, Based on 4m Running

| Length     | 1m      | 2m      | 3m      | 4m      |
|------------|---------|---------|---------|---------|
| Voltage    | 23,6    | 23,35   | 23,2    | 23,15   |
| Brightness | 1441,47 | 1324,53 | 1254,36 | 1230,98 |
| Drop       | 0,00%   | -8,11%  | -12,98% | -14,60% |