

## LED Module - Salud MP3030 Linear

Power of Luminus in standard and custom LED modules

## Data Sheet

Version 1.0

### Lean & Fast. Made Smarter.

**Design Faster** – use standard modules to shorten development time

**Superior Performance** – stay current with the top flux bin LEDs

**Maximum Flexibility** – use off-the-shelf optics and drivers

**Innovation** – work with NewEnergy on your custom solution

### Primary Applications



Indoor lighting

-Office

-Education

-Retail

-Nursing Homes

-Transportation

-Hospitals



### Superior Performance in Standard & Custom Modules

- Engineered spectrum with enhanced cyan for melatonin suppression
- Full spectrum emission – no cyan gap
- Excellent color rendering – Ra>90
- Configurable with off-the-shelf optics
- Talk to NewEnergy about your custom or private label designs

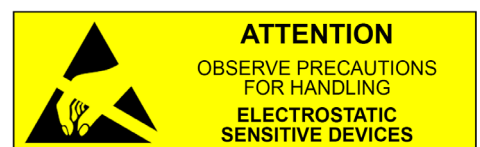
### Custom Solutions

NewEnergy operates facilities globally with ISO certifications for the LED lighting, automotive and medical industries. Our North Carolina based office provides quick engineering & sales support with a R&D lab for prototype development and custom solutions. Our in-house global manufacturing capabilities allow for both building in the United States as well as overseas at scale.

### About NewEnergy

NewEnergy accelerates the adoption of LED technology through simple, modular products and custom designs. Through 30 years of experience, state of the art manufacturing, full traceability and advanced quality controls, NewEnergy offers leading solid state lighting components, modules and custom solutions. NewEnergy customers get to market faster, with less resources, at lower costs. Visit [New-EnergyLLC.com](http://New-EnergyLLC.com) for more information.

CE  
RoHS



# LED Module Specifications - Salud MP3030 Linear

## Product Selection Table<sup>(1,2)</sup>

| Part Number        | CCT   | CRI | Typ. R9 | Typ. Melanopic Ratio | Luminous Flux (lm) |           | Efficacy Nominal (lm/W) | Watts (W) |       |
|--------------------|-------|-----|---------|----------------------|--------------------|-----------|-------------------------|-----------|-------|
|                    |       |     |         |                      | Nominal 180mA      | Max 480mA |                         | Nominal   | Max   |
| SSB2-24G09-3090-00 | 3000K | 90+ | 95      | 0.68                 | 792                | 1901      | 138                     | 5.72      | 16.13 |
| SSB2-24G09-4090-00 | 4000K | 90+ | 65      | 0.80                 | 912                | 2189      | 159                     | 5.72      | 16.13 |
| SSB2-24G09-5090-00 | 5000K | 90+ | 80      | 0.96                 | 912                | 2189      | 159                     | 5.72      | 16.13 |

<sup>(1)</sup> Product performance based on the typical luminous flux at Tc = 25°C.

<sup>(2)</sup> NewEnergy may ship modules in flux bins higher than the values specified by the order code without advance notice. Shipments will always adhere to the chromaticity bin restrictions specified by the order code.

<sup>(3)</sup> Input power not to exceed 100W for UL Class 2. Suitability for usage in other than Class 2 circuits shall be determined in the end-product investigation.

## Order Code Formatting

| Series                                  | - | LED Count    | LED Code                   | - | Color Temperature | Color Rendering Index | - | Internal Code |
|---|---|--------------|----------------------------|---|-------------------|-----------------------|---|---------------|
| SSB2 - Standard Linear LED PCB Assembly |   | 24 - 24 LEDs | G09 - Luminus Salud MP3030 |   | 30 - 3000K        | 90 - 90 CRI           |   | XX            |
|   |   |              |                            |   | 40 - 4000K        |                       |   |               |
|   |   |              |                            |   | 50 - 5000K        |                       |   |               |

## Electrical Characteristics

| Part Number  | Forward Voltage (v) |         | Typical Thermal Resistance - Junction to Solder Point (K/W) Rth J-HS |
|--------------|---------------------|---------|--|
|              | Nominal             | Maximum |  |
| SSB2-24G09-x | 31.8                | 33.6    | 23   |

Intended for connection to a class 2 power source with a maximum operating voltage of 50 Vdc

## Maximum Ratings

| Part Number  | DC Current (A) | Tsp Temp (°C) | Power (W) |
|--------------|----------------|---------------|-----------|
| SSB2-24G09-x | 0.48           | 105           | 16.13     |

<sup>(1)</sup> Input power not to exceed 100W for UL Class 2. Suitability for usage in other than Class 2 circuits shall be determined in the end-product investigation.

## Board Material Properties

| Property          | Value | Unit |
|-------------------|-------|------|
| Solder Mask Color | White | -    |
| Thickness         | .062  | in   |
| Construction      | CEM3  | -    |
| Temperature       | 130   | °C   |
| Flame Rating      | V-0   | -    |
| Copper Thickness  | 1     | oz   |