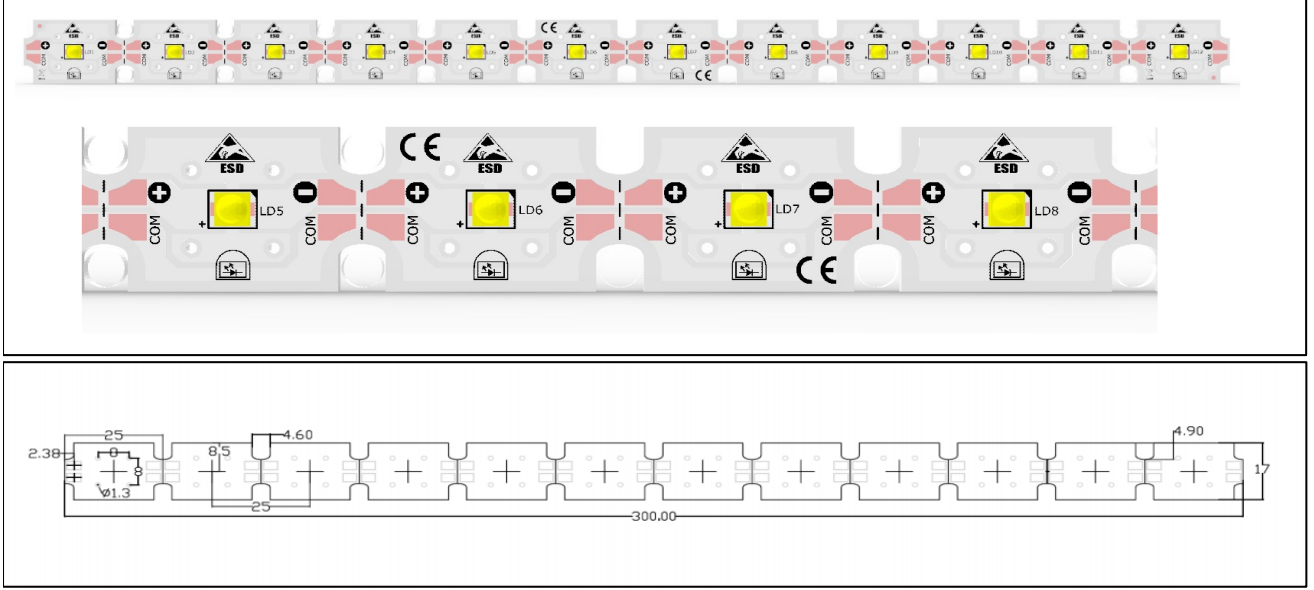




| Common Characteristic [ @Tj : 85°C ] ; |                                                |                       |    |
|----------------------------------------|------------------------------------------------|-----------------------|----|
| Module Code                            | 4087N-LN12S01P-XXO1-L012-C00-160L1A2H35-17X300 | Electrical Connection |    |
| PCB Material                           | FR4                                            |                       |    |
| Operating Temperature (°C)             | -40 ~ +85                                      | Parallel              | 1  |
| Storage Temperature (°C)               | -40 ~ +55                                      | Series                | 12 |
| Thermal Conductivity (W/m-K)           | 1>                                             | LED Quantity          | 12 |

| LED                                | SAMSUNG LH351C |       |       |
|------------------------------------|----------------|-------|-------|
| Correlated Color Temperature (CCT) | 4000K          |       |       |
| Color Rendering Index (CRI)        | 70+            |       |       |
| Module Operating Voltage (V)       | 33             | 34,2  | 35,3  |
| Module Operating Current (mA)      | 700            | 1050  | 1400  |
| Branch Operating Current (mA)      | 700            | 1050  | 1400  |
| Module Power (W)                   | 23,10          | 35,91 | 49,42 |
| Module Light Output (lm)           | 4560           | 6385  | 7900  |
| Module Efficiency (lm/W)           | 197            | 178   | 160   |

| LED                                | CREE XTE |       |       |
|------------------------------------|----------|-------|-------|
| Correlated Color Temperature (CCT) | 4000K    |       |       |
| Color Rendering Index (CRI)        | 70+      |       |       |
| Module Operating Voltage (V)       | 34,2     | 35,6  | 37    |
| Module Operating Current (mA)      | 350      | 700   | 1050  |
| Branch Operating Current (mA)      | 350      | 700   | 1050  |
| Module Power (W)                   | 11,97    | 24,92 | 38,85 |
| Module Light Output (lm)           | 2052     | 3592  | 5130  |
| Module Efficiency (lm/W)           | 171      | 144   | 132   |