SHENZHEN ONLY OPTOELECTRONIC CO., LTD.

Warehouse & Logistics Standard Operating Procedure

LED Module Serial Number Identification & Inventory Control Procedure

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1. Purpose

This procedure establishes a uniform method for identifying, recording, and tracing LED display modules by their factory-assigned serial numbers. It ensures that every module shipped by ONLYLED can be unambiguously traced back to its original production batch, invoice, and customer project, thereby supporting long-term replacement and after-sales service.

2. Scope

This procedure applies to all outdoor and indoor LED modules manufactured by ONLYLED and received by authorized Sign Company distributors, system integrators, and their warehouse teams for inventory management.

3. Label Reference

Each LED module carries two identification numbers on the housing, as shown in the example below:

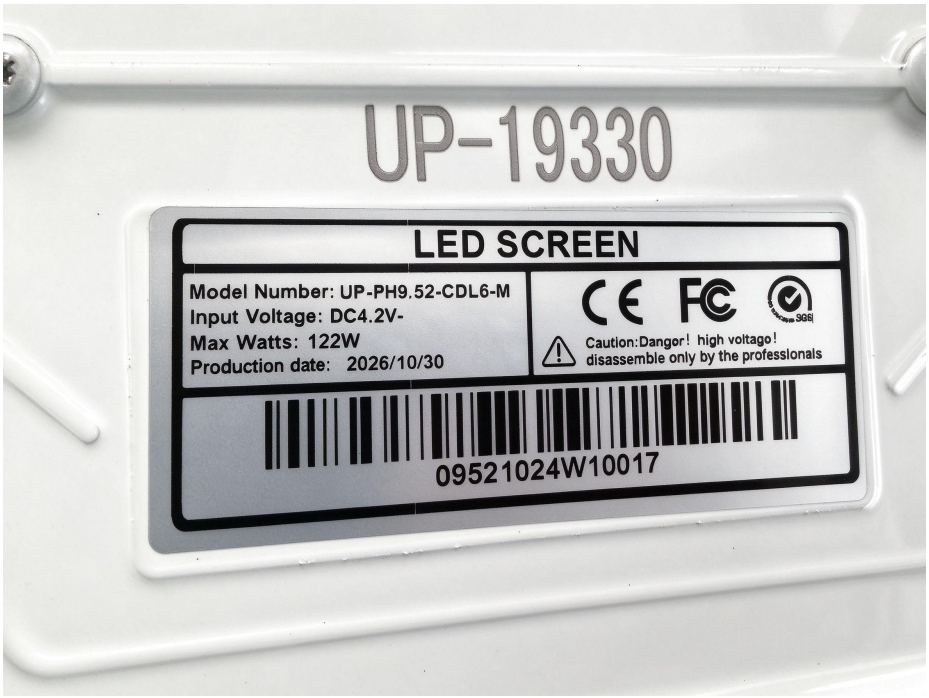


Figure 1. LED module label example: laser-engraved PSN "UP-19330" above the factory label; short WSN "09521024W100017" printed below the bar code.

4. Definitions

4.1 Production Serial Number (PSN). The cumulative production count laser-engraved on the module housing above the label (e.g. UP-19330). It records the total quantity of modules produced for a given pixel pitch and brightness grade. It is not sequential across batches, but stores the full BOM, test data, and production records. It is the factory engineering reference and is not intended for customer-side warehouse tracking.

4.2 Warehouse Serial Number (WSN). The short, order-specific number printed below the bar code on the factory label (e.g. 09521024W100017). This is the recommended number for your internal inventory control.

5. WSN Structure

Segment	Length	Description
0952	4 digits	Pixel pitch, in millimetres (e.g. 0952 = 9.52 mm)
1024W1	6 characters	Last six characters of the ONLYLED invoice number
00017	5 digits	Sequential module number within that invoice
Production date	On label	Date of manufacture; retained for batch traceability

6. Warehouse Procedure

6.1 Upon receipt of a shipment, locate the short WSN printed below the bar code on the factory label of each module (not the laser-engraved PSN).

6.2 Map the six-character invoice segment of the WSN to your internal project code, job number, or customer name.

6.3 Record the complete WSN against the corresponding project in your inventory system.

6.4 When a replacement module is required, quote the WSN (and, if available, the PSN) to ONLYLED so that a module from the same BOM, brightness bin, and production batch can be supplied.

7. Notes

7.1 ONLYLED laser-engraves the PSN on the module housing to prevent label loss in service.

7.2 The PSN is not order-logical and is not intended for customer-side inventory management.

7.3 Correct recording of the WSN is mandatory to guarantee color and brightness matching of future replacement units.