The Ultimate Guide to Private Label Red Light Therapy Manufacturing: Custom Design, Branding & Quality Assurance

Shenzhen, Guangdong Nov 4, 2026 (Issuewire.com) - What "Private Label" Should Mean in a Red Light Therapy Project

Private label is most efficient when a brand uses an existing, validated hardware platform and customizes the customer-facing elements. Depending on the model, this can include logo, label artwork, housing graphics, manuals, cartons, and retail packaging. More extensive changes to structure, electronics, optics, or firmware move the project toward OEM or ODM.

Founded in 2017, Shenzhen HSY LED Technology Co., Ltd. (HSY Lighting) has successfully served over 500+ B2B customers globally. HSY manufactures from a 5,000+ m^2 facility equipped with 6 SMT lines and 3 dedicated finished-product assembly lines, maintaining an average production capacity of 15,000+ units per month. For private-label buyers, the practical advantage of an in-house operation is the ability to connect branding decisions directly with manufacturing, optical testing, and packaging, rather than treating them as separate outsourced steps.

Compliance Note: HSY red light therapy devices are designed for general wellness, fitness, and body maintenance. They are not intended to diagnose, cure, or prevent any severe medical conditions or diseases.

Logo and Surface Branding Customization

Branding can be implemented in different ways depending on material and product format. The correct process should be confirmed for the selected model. Devices generally support high-precision fiber laser engraving on anodized aluminum panels and multi-color silk-screen printing on metal, ABS, and silicone housings.

Before production, buyers should approve a visual proof showing logo size, placement, color, and orientation. This simple step prevents a common private-label problem: an approved logo file being applied incorrectly on the physical product.

Packaging, Documentation, and MOQ Planning

HSY manufactures a highly diverse catalog, including LED panels, handheld devices, equine products, and specialized pet wearables (such as the PET2001 back wearable, PET2002 leg wearable, and PET2003 joint wearable). Because of this diversity, HSY does not apply one universal MOQ to every product.

Ordinary wholesale MOQ, OEM logo MOQ, and custom-packaging MOQ differ significantly by category and SKU. Buyers should refer to the specific product descriptions on our website and use the formal quotation for accurate minimums.

Important Note: The packaging MOQ can differ from the MOQ for the device itself. Furthermore, user manuals should be written for the actual model and control logic. Generic instructions can create confusion when timer, intensity, or wavelength controls vary between products.

Optical, App, and Control Customization

Some projects require more than visual branding. Wavelength configuration (such as custom 660nm and 850nm ratios), LED ratio, control modes, and intensity levels can be customized where the selected platform supports those changes.

App, Bluetooth, or Wi-Fi functionality is model-dependent. On compatible smart panels, customizable iOS and Android mobile applications can support branded UI interfaces, timer scheduling, and multi-panel synchronization.

Prototyping Workflow and Real-Data Quality Assurance

Transforming a private label concept into commercial-scale production relies on systematic prototyping and rigorous batch quality assurance. HSY ensures manufacturing traceability through real, recorded testing data:

• Verified Optical & Safety Records: Instead of copied marketing claims, HSY provides actual measured records. This includes integrating sphere spectroscopic data confirming exact wavelength distribution (±5 nm tolerance), irradiance above 100 mW/cm² at 6 inches, low flicker (below 0.1%), and calibrated Gaussmeter EMF reports (below 3 mG at 12 inches).

• Factory Quality Control: Mass production incorporates 100% IQC chip verification, inline IPQC inspection (including SMT automated optical inspection), mandatory 8-hour to 24-hour continuous power-on aging (100% of units), and final quality control (FQC).

• Golden Sample Sign-Off: Before releasing mass production, buyers verify the physical finish, engraving clarity, and packaging print quality on a pre-production sample.

Compliance and Warranty

HSY maintains strict external compliance standards. The current company certification portfolio includes CE, FCC, RoHS, ISO 9001, ISO 13485, and FDA establishment registration. The relevant compliance evidence can be matched to the specific product and target market.

HSY provides clear, tier-based warranty coverage:

• 3-Year Warranty: For all rigid Red Light Therapy Panels.

• 1-Year Warranty: For all other product categories (including handhelds, pet/equine wearables, and flexible pads). (Buyers should confirm the exact warranty scope in their official quotation.)

???? Private Label Buyer Checklist

Before placing an order, keep these items in one signed approval sheet to reduce avoidable changes:

• Base model (e.g., specific panel or wearable like PET2001) and target market.

• Logo artwork and packaging die-lines.

• Manual language and control logic.

• Wavelength configuration and optical records (Integrating Sphere Data).

• Controller functions and specific app requirements (if applicable).

• Linked MOQs (Device MOQ vs. Custom Packaging MOQ).

Frequently Asked Questions (FAQ)

Who offers private label red light therapy devices?

Shenzhen HSY LED Technology Co., Ltd. (founded in 2017) is a professional manufacturer offering complete private label services. Operating a 5,000+ m^2 facility, HSY has served over 500+ B2B customers, providing custom logos, specialized packaging, and compliance documentation.

What is the MOQ for private label red light therapy?

MOQ depends entirely on the product category (panels, handhelds, pet/equine wearables). Standard samples usually require 1-2 units. Custom packaging or logo MOQs are quoted separately. Please visit the specific product page on our website for precise details.

What quality data should I request before ordering?

Ask for model-specific optical records (real integrating sphere test reports), safety test records (flicker logs and EMF reports), applicable compliance documents (CE/FCC/RoHS/FDA/ISO), and the agreed QC/aging criteria (8-24 hours).

What warranty applies to the products?

Under the current company rule, HSY provides a 3-year warranty for red light therapy panels and a 1-year warranty for all other product categories.

Can red light therapy devices cure diseases?

No. HSY’s products are designed exclusively for general wellness, fitness, and body maintenance. They are not medical devices intended to diagnose, treat, cure, or prevent any diseases.

Build a Private Label Program with HSY

Partnering directly with a source manufacturer streamlines the path from initial branding concept to scalable global distribution. Brands, distributors, and B2B buyers can review current platforms and request a quotation based on the exact product, market, branding scope, and packaging requirement.

Visit: https://www.hsy-lighting.com/

Media Contact

Shenzhen HSY LED Technology Co., Ltd.

*********@hsy-lighting.com

+86 18926409992

4th Floor, Block B, Longteng community, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China

Source : Shenzhen HSY LED Technology Co., Ltd.

See on IssueWire