

Folliq Red Light Therapy Face Mask

Design specification (summary), not a measurement report

Customer summary of our written engineering specification v2.1 (13 October 2026). Every figure here also appears on the product page at myfolliq.com/products/folliq-red-light-face-mask.

What this document is, and what it is not.

These are design values from our engineering specification, not yet measured. Production units will go to an independent lab for irradiance, eye safety and surface temperature, and we will publish that full report on the product page, whatever it shows. The Folliq mask is a cosmetic device, not FDA cleared. It is not intended to diagnose, treat or prevent any condition.

Light

Wavelengths	633 nm red · 830 nm near-infrared
Lights	240 LEDs (160 red, 80 near-infrared)
Design irradiance	12 mW/cm ² (8.0 red + 4.0 near-infrared), averaged across the whole face at skin level, not a peak reading from one LED; ±10%
Dose per session	7.2 J/cm ² in 10 minutes (12 mW/cm ² × 600 s; red 4.8 + near-infrared 2.4; one-colour modes give that colour's share)
Light type	Continuous, no flicker; fades up over 3 seconds
Modes	Red + near-infrared, red only, or near-infrared only
Session	10 minutes, automatic switch-off; one full session every 6 hours

Peak vs average: why 12 mW/cm²

A figure of 30 to 80 mW/cm² is usually a peak: the reading right in front of a single LED, where the light is strongest. The Folliq mask's 12 mW/cm² is the average across the whole face at skin level, gaps between the LEDs included. More power means more heat on your face.

Eyes, heat and safety

Eye protection	Built-in opaque eye cups, designed to let through no more than 0.1% of the light; no LED within 15 mm of the eye openings
Contact sensors	3 zones (forehead and both cheeks): the light only switches on when the mask is worn, and stops when you lift it
Surface temperature	Warm, not hot: designed to stay at or below 39 °C on the skin (10-minute session, 25 °C room)
Heat sensors	Power drops at 41 °C, switches off at 43 °C

Build, controller and battery

Material	Flexible platinum-cured silicone; sweat-resistant (IPX4)
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Weight	Mask 250 g or less · controller 180 g or less
Fit	Adult faces 17 to 21.5 cm, forehead to chin; open around the nostrils and mouth, soft channel over the bridge of the nose; two adjustable straps with a buckle, no velcro
Controller	Corded (1.2 m, locking connector), 0.96" screen with time left, mode and battery; 3 buttons; no Bluetooth, nothing to pair; counts your sessions
Battery	In the controller, 18.7 Wh (fine in cabin bags): about 4 full sessions per charge; replaceable
Charging	USB-C, full charge in 90 minutes with an 18 W USB-C PD charger (not included); no light while charging
LED life	At least 10,000 hours
In the box	The mask, controller with 1.2 m cable, USB-C charging cable, quick-start and safety guide

How to use it

- Three evenings a week, ten minutes each.
- Clean, dry skin: no serum, makeup or sunscreen under the mask.
- Eyes closed during the session.
- Light care is gradual: give it eight to twelve weeks before you judge. Results vary from person to person.

Who should not use it

- If you are pregnant.
- If you take medication or use skincare that makes skin sensitive to light (ask your doctor).
- If you have a condition triggered by light or an eye condition (ask your eye doctor).
- For a child.
- Melasma or pigment spots: start with red only and short sessions, and stop if any area darkens.

Warranty and trial

2-year Folliq warranty, in addition to your legal rights. 90-day home trial, even if used, with free return shipping.