



ZogniQ

WELCOME TO THE CUTTING EDGE

Frequently Asked Questions

What makes ZogniQ different to other LLLT devices?

ZogniQ™ differs from other Low Level Light Therapy systems through its structured multi-wavelength platform, polarised light delivery and practical clinic design. Rather than relying on a single wavelength, ZogniQ™ combines red, near-infrared, blue and yellow light to support tear stability management, eyelid hygiene support and oil function productivity within one integrated procedure.

The system delivers polarised light, meaning the light waves are aligned in a consistent orientation rather than scattered, allowing for more controlled and consistent energy delivery to the peri-ocular tissues. In addition, ZogniQ™ operates without ongoing consumables, providing predictable costs and simplified integration into clinic workflows.

What are the key outputs of each pre-configured selection?

Tear Stability Management: The red and infra-red wavelengths have a gentle deep heating effect and speed up the rate of cell activity which gives an anti-inflammatory effect:

- Supports relaxation of the eye-area tissues
- It helps to reduce puffiness of the eyes
- Speed up healing of inflammation and redness
- Assist with eyelid hygiene (in conjunction with eyelid cleansing)

Eyelid Hygiene Support: The red and blue wavelengths help to maintain eyelid hygiene and prevent the growth of bacterial colonies in the eyelid margins.

- Helps to keep the eyelid ducts open and clear.
- Designed to complement regular eyelid hygiene routines

Oil Function Productivity: This combination of red, near-infrared, and yellow wavelengths support healthy-looking skin at multiple levels and speed up the rate of cell activity which gives an anti-inflammatory effect.

- Supports routine eyelid care when used alongside and as a boost to standard cleaning practices
- It helps to reduce puffiness of the eyes
- Speed up healing of inflammation and redness
- Helps promote a more balanced, even-looking complexion
- Supports the skin's natural resilience



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Can ZogniQ™ Be Combined with Other In-Practice Procedures?

Yes, ZogniQ™ is designed to complement, not replace, existing in-practice procedures. It integrates effectively alongside heat therapy, manual gland expression and lid margin cleansing procedures such as ZEST®. In many clinics, ZogniQ™ can be performed prior to expression to support tissue relaxation and eyelid hygiene or incorporated as part of a broader Dry Eye management programme to maintain eyelid health between more interventional procedures. Its non-invasive, low-level light approach allows it to sit comfortably within layered strategies, supporting eyelid hygiene, oil function productivity and peri-ocular tissue balance without competing directly with other modalities.

We are seeing improvement after just one session, is that expected?

Yes. Early improvements can occur even after a single session, particularly in visible inflammation, redness and symptom scores. Internal pilot data has shown measurable improvement after one week, with statistically significant symptom reduction observed even at lower irradiance levels. This suggests that the polarised light technology allows effective energy delivery within a controlled and validated range.

It is important to position ZogniQ™ as a structured four-week course (one session per week for four weeks), but clinicians may observe visible changes before completion of the course.

Why does distance affect energy delivery?

Light intensity naturally decreases as distance increases. As the device moves further from the tissue, light disperses over a larger surface area, resulting in lower irradiance at the target.

This is expected behaviour in all photobiomodulation systems.

The key distinction with ZogniQ™ is that it measures real-time distance to the procedure zone and calculates energy delivery accordingly. Variations in measured energy reflect controlled optical attenuation, not inconsistency or instability in output.

Is the output affected if the unit is tilted rather than straight-on?

Minor angulation can alter the distribution of light across the treatment zone, as with any optical system. However, within normal clinical positioning, the system continues to deliver energy within its validated therapeutic envelope.

How long after a procedure can a patient use eye drops?

There is no required delay before using preservative-free lubricants following a session. Patients may resume their standard lubrication regimen immediately unless otherwise clinically advised.

What is the recommended schedule?

The standard protocol is one session per week for four consecutive weeks. This allows cumulative photobiomodulation effects while maintaining consistent patient engagement. Maintenance sessions may be recommended based on symptom recurrence and lid margin status.



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Should we limit how many times the device is used consecutively due to heat output?

The device may feel warmer after repeated use, particularly later in the day. This reflects cumulative operating time rather than abnormal output.

If the unit feels noticeably warm:

- Allow short cooling intervals between patients
- Ensure adequate ventilation around the device
- Avoid covering vents

If the heat is not uncomfortable or alarming to patients, this is typically within normal operating parameters. There is no indication of performance instability related to moderate warmth.

One patient reports the colour changing frequently, but it appears constant externally. Why?

Some patients may perceive flicker or colour fluctuation due to individual visual sensitivity, retinal adaptation or subtle neurological processing differences.

Externally, the wavelength output remains constant. The perceived variation is likely related to individual sensory interpretation rather than actual system instability.

If a patient reports this, reassure them the output is stable.

Do patients need protective eyewear?

ZogniQ™ is designed to be used with the patient's eyes gently closed. Under normal operating conditions and correct positioning, additional protective eyewear is not required. The system operates within controlled irradiance levels and is intended for non-invasive, low-level light exposure.

Are there contraindications?

As with all light-based technologies, clinicians should screen patients appropriately before treatment. ZogniQ™ should be used with caution or avoided in patients who:

- Have known photosensitivity disorders
- Are taking photosensitising medications
- Have active ocular infection or acute inflammatory conditions requiring medical treatment
- Have active malignancy in the treatment area
- Have recently undergone ocular surgery (until clinically stable)

Additional caution may be advised in patients with epilepsy triggered by light sensitivity.

Is this thermal or non-thermal?

ZogniQ™ operates primarily through a photochemical mechanism rather than a thermal one. While patients may experience a gentle warming sensation due to light absorption in tissue, the device is not designed to ablate, cauterise or thermally damage tissue. Its primary mechanism is low-level light interaction at the cellular level (photobiomodulation), not heat-driven coagulation or destruction. Any warmth felt during the procedure reflects normal light-tissue interaction rather than a high-heat therapeutic effect.



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What exactly is photobiomodulation?

Photobiomodulation refers to the use of specific wavelengths of low-level light to stimulate cellular activity without causing tissue damage. At a cellular level, light energy is absorbed by chromophores within mitochondria, leading to increased ATP production and modulation of cellular signalling pathways. This can support improved cellular function, enhanced circulation and anti-inflammatory processes. In the context of ZogniQ™, photobiomodulation supports eyelid hygiene, tissue balance and visible inflammation reduction.

Does skin tone affect effectiveness?

ZogniQ™ does not have any skin tone limitations. It uses controlled, low-level, specific wavelengths — including near-infrared light — delivered within a validated therapeutic range. It does not rely on pigment targeting or thermal destruction. As a result, there are no standard Fitzpatrick-based restrictions associated with its use, and it can be used across a broad range of skin tones when applied according to training guidance.

ZogniQ™ supports eyelid hygiene and tissue balance. It does not treat Dry Eye Disease, MGD, blepharitis or infection, but may be incorporated as a supportive adjunct within broader management plans.

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