

Lustre Pure Light is a new blue light technology to treat acne, exclusively available from professional skin clinics. It has been designed for patients to use at home between clinic based treatments to help accelerate the patient's treatment goals.

Lustre Pure Light delivers safe, visible blue light at a wavelength of 420 nm; this has been clinically proven to eliminate P. Acnes through porphyrin oxidation. It is a small, rechargeable product that has slim, flexible therapy heads. The device is portable and because the light therapy is ambulatory and patients can continue with their normal, everyday activities therefore compliance should be improved.

Introducing Lustre to your clinic

Please contact us at www.lustrepurelight.com to arrange a meeting to discuss the introduction of Lustre Pure Light to your clinic. Lustre Pure Light is a clinic only dispensed device, designed to be an adjuvant treatment to in-clinic or other at-home treatments for acne.

The device is ideal for patients who want accelerated results from an acne treatment programme or for those who may be concerned about the adverse effects of other acne treatments.

Contact us today to introduce Lustre Pure Light to your clinic. Full clinic training in the use of the device is available.

Available exclusively at professional skin care clinics. Contact us to introduce Lustre to your clinic at: www.lustrepurelight.com

+ LUSTRE
pure light treatment for acne™

Ambicare Health Ltd, 10 Lochside Place, Edinburgh, EH12 9RG,
Tel +44 (0)131 248 3606

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References

¹ Phototherapy with blue (415nm) and red (660 nm) light in the treatment of acne vulgaris. Papageorgiou et al British Journal of Dermatology 2000; 142:973-978.

² An open study to determine the efficacy of blue light in the treatment of mild to moderate acne. Morton et al. Journal of Dermatological Treatment. 2005; 16: 219-223

³ Phototherapy in the treatment of Acne Vulgaris- What is the role? Charakida et al American Journal of Clinical Dermatology 2004; 5 (4): 211-216.

British Journal of Dermatology, 142, 973-978

- Comparison of blue light, with blue + red light, with white light, and Benzoyl Peroxide.
- 102 patients, 27 of which had blue light only.
- Blue light 415 +/- 20 nm
- Blue light irradiance was 4.23 mw/cm².
- Treated daily for 15 minutes for 12 weeks.
- Total Weekly blue light dose 26.7 J/cm².
- Total blue light dose was 320 J/cm²
- Blue light showed a 60% mean improvement in inflammatory spot counts at 12 weeks.
- Blue light showed a 50% mean improvement in comedone counts at 12 weeks.
- Blue light showed a moderate improvement in 30% of patients.
- Blue light showed a marked improvement in 35% of patients.

Lustre used for 2.5 hours per week delivers a total weekly dose of 28.8 J/cm².



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Introducing a new clinic dispensed acne treatment

Clinically proven technology to destroy P. acnes

+ LUSTRE
pure light treatment for acne™

Clinically Proven

Acne vulgaris is a chronic disease which affects 80% of the population at some point in their lives.

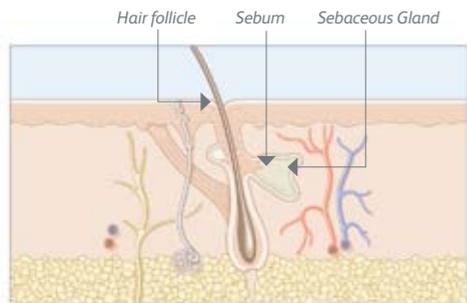
It can emotionally affect many patients and leave them disfigured or scarred. Current treatments include:

- Topical and systemic antibacterials,
- Topical antimicrobials,
- Topical and oral retinoids,
- Various treatments to slough the skin

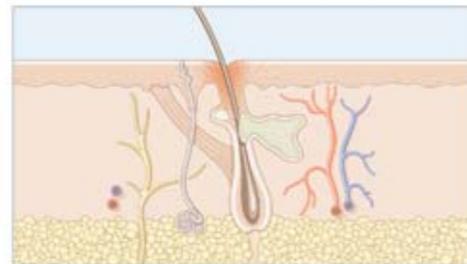
All acne treatments have potential adverse effects, some of which may be severe. Phototherapy with visible blue light has been shown to have a beneficial effect on acne with the added benefit of avoiding the long term risks of UV radiation.^{1 (9, 23)}

P. acnes produce mainly coporphyrin III which has an absorption spectrum peak of 415 nm. Photo irradiation of *P. Acnes* colonies with visible blue light has shown to lead to photoexcitation of endogenous bacterial porphyrins, singlet oxygen production, and subsequent bacterial destruction.¹

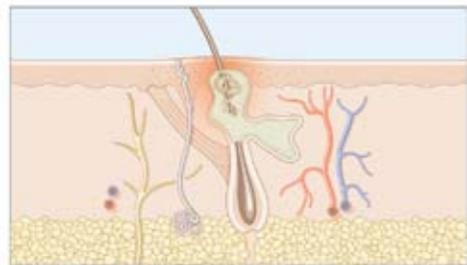
What causes spots?



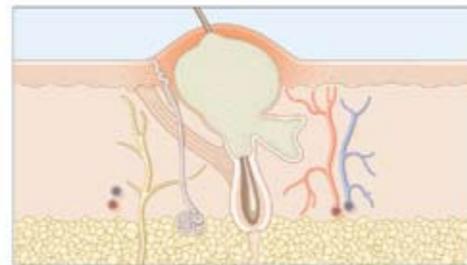
P. acnes is a bacteria which normally lives on skin. Under certain circumstances, often associated with hormonal, lifestyle or diet changes the sebaceous gland will over produce a natural oil called sebum.



As sebum production increases the spot causing bacteria, *P. acnes* begin to grow and multiply more rapidly



As this process continues hair follicles may become blocked. The increasing amount of sebum together with the *P. acnes* bacteria and dead skin cells, cause a plug to form.



As the sebum and bacteria continue to grow, white blood cells move into the area and begin to fight the bacteria, this causes swelling or inflammation, and a spot forms.

This process will continue until the white blood cells have managed to fight the *P. acnes* infection and the inflammation stops or until the pore is unblocked and the sebum levels are reduced.

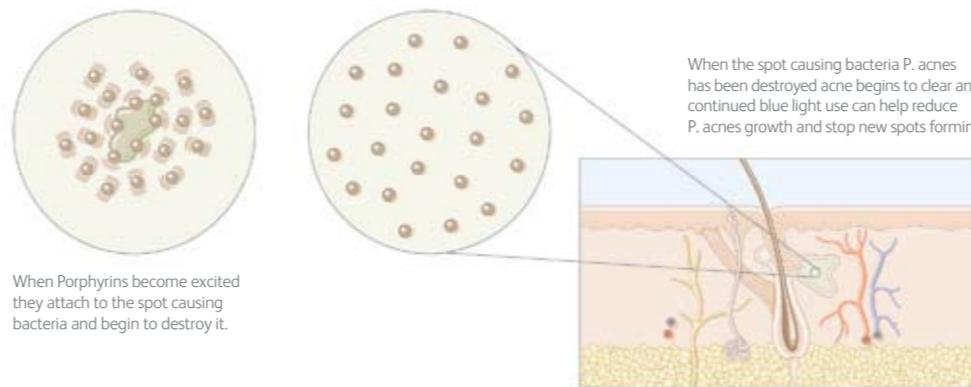
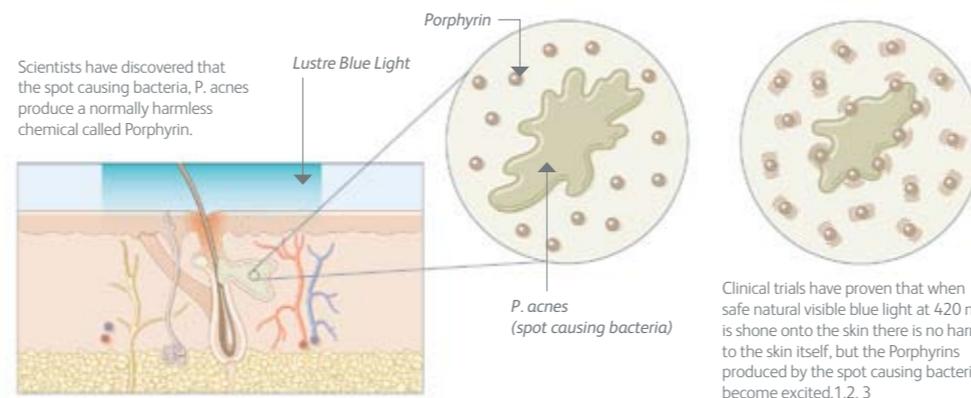
Lustre Pure Light is ambulatory



Lustre Pure Light is a small, rechargeable product with slim, flexible therapy heads to target problem areas. The portable device is the first ambulatory light treatment for acne, leaving patients free to get on with everyday life. This convenience should increase patient compliance.

Lustre Pure Light allows patients to target treatment to the areas which need treatment most. The device is indicated for use in inflammatory acne lesions and patients should be advised to target these areas for best results.

How Lustre Pure Light works – the science



Before and after using Lustre Pure Light

Medical pictures showing reduction in acne bacterial count



Before



After using Lustre for 6 weeks

Medical pictures showing reduction in acne inflammation



Before



After using Lustre for 6 weeks

Acne improvement



Before



After using Lustre for 6 weeks

For the best results Lustre Pure Light should be used for a minimum of 12 weeks.

Patients should use Lustre 5 times per week for 30 minutes each time.

Images courtesy of Dr Sam Robson, Temple Aesthetic Clinic, Aberdeen