

bluephase[®] style

Licence to cure

NEW

LED for every use
and now comfortable to fit every hand



bluephase®: The LED for every use ...

True innovation proves itself in use. A perfect example of this is the bluephase curing light with the specially developed polywave® LED technology, which is capable of polymerizing all current photoinitiators and materials used in dentistry. This removed the final drawback suffered by LED technology and put the bluephase light on an equal footing with the halogen lights, the previous industry standard.



bluephase sets new standards in every respect. It is not only the best-selling LED polymerization light in Europe, but it is also frequently used in clinical and scientific studies¹ and has been ranked top light-curing unit by independent and renowned test institutes².

Grounded in proven concepts and open to further development: These principles are embodied in the bluephase style. Whilst offering a performance comparable to that of the existing bluephase light, the new **bluephase style** features a compact and ergonomic shape that **fits the hands of women and men** even more comfortably.



¹ IADR Barcelona 2010
Mentions in abstracts



bluephase: now even smaller

... and now comfortable to fit every hand

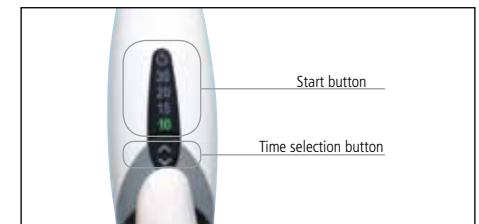


Conventional LED devices are available either as a pistol or a pen. bluephase style combines the two: It can be held like a pen or like a pistol. Given the light's low weight and balanced weight distribution, the strain exerted on the hand and arm is reduced, regardless of the size of the hand.

The light probe of bluephase style clearly stands out from all the other known light probes. It is **shortened** and can be rotated by 360 degrees, enabling easy access to all tooth surfaces **without extreme opening of the mouth**.



bluephase style can be held like a pen or like a pistol.



Two-button operation

bluephase style



Competitive light



Even difficult-to-reach areas can be easily accessed.
(Dr Eduardo Mahn, Saudi Arabia)

Every material
due to polywave® LED

Every indication
due to continuous cooling

Every time
due to Click & Cure

1,100 mW/cm²

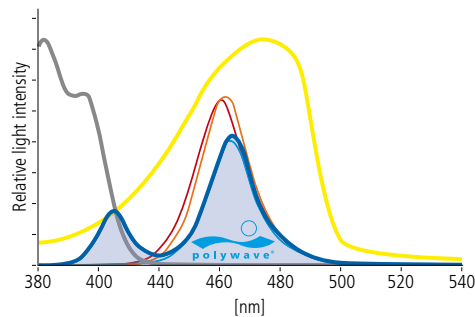
The capability to cure all dental materials is related to the light emitted. In contrast to the LED lights of the second generation, the **polywave LED** curing lights achieve an optimal broadband spectrum of 385 to 515 nm, similar to the spectrum of halogen lights that served as their model. Therefore, bluephase style is suitable for polymerizing all current photoinitiators and materials used in dentistry without any restrictions.

Because bluephase style incorporates particularly energy-efficient LED technology, it produces less heat than an LED light providing the same output. As a result, the need for a **fan** has been **eliminated**. That means you can just get on with your work – even when using the light in continuous operation to place extensive indirect restorations.

Cordless operation ensures maximum mobility in the dental practice. The proven **Click & Cure** function enables you to avoid irritating waiting times in case the battery has run out. With just one click you can connect the handpiece to the power cord of the charging base.

Easy operation
Two-button operation

Wavelength range



- Photoinitiator: camphorquinone
- Photoinitiator: Lucirin TPO
- bluephase style with polywave LED²
- Elipar S10^{*1}
- SmartLite PS^{*1}
- Demi Plus^{*1}

Source: R. Price, Dalhouse University Halifax, 2011

* These trade names are not registered trademarks of Ivoclar Vivadent AG.

¹ LED light of the 2nd generation

² LED light of the 3rd generation

*"LED curing lights with polywave technology should be preferred over single peak devices."
Price R, Fahey J, Felix C: Knoop hardness of five different composites cured with single peak and polywave LED curing lights. Quintessence Int. 2010; 41; e181-e191*

Click & Cure



This is how it works: Turn around charging base, remove power cord, attach to handpiece, resume work as usual.

Inductive charging
enables contactless
charging of the battery.

**Charging base with
battery charge indicator**
The illuminated ring appears
black if the battery is fully
charged.

**3-year warranty
Battery 1 year**

bluephase® style: by far the most optimal light exposure

Given the large **10-mm diameter** of the light probe, the light completely covers large cavities. Time-consuming multiple curing cycles for MOD restorations are thus no longer necessary.

Special optical technology enables the intensive light of bluephase style to penetrate deep into the light-curing material and ensures that an exceptionally high light intensity is available in critical areas in particular. A reliable cure can be achieved even when the material is light-cured from a long distance, for instance in proximal boxes.

Because of its high light intensity, bluephase style allows large curing depths to be achieved with curing times as short as 10 seconds for composites and adhesives.



bluephase style

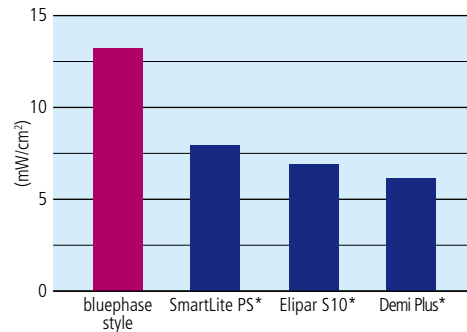


Competitive light



The 10-mm light probe allows MOD fillings to be irradiated only once, saving valuable time.

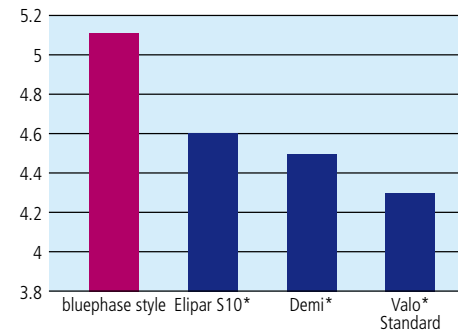
Transmission energy at a distance of 4 mm



Source: Excerpt R. Price, Dalhouse University Halifax, 2011 (study commissioned by Ivoclar Vivadent AG)

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Curing depth of Tetric EvoCeram® (in mm)



Curing time with bluephase style: 10 seconds; curing time with other devices: according to manufacturer's directions.

Source: R&D Ivoclar Vivadent Schaan, 2010

bluephase® style at a glance

Technical data

bluephase style	1,100 mW/cm ² ±10%
Every hand (ergonomic design)	✓
Every material (wavelength range)	✓ (385–515 nm)
Every indication (continuous operation for at least 10 min)	✓
Every time (Click & Cure: optional mains operation)	✓ (lithium-polymer battery)
Curing time for selected composite materials 2 mm Tetric EvoCeram/IPS Empress Direct 4 mm Tetric EvoCeram Bulk Fill	10 s 10 s
Power supply	Contactless charging via lithium-polymer battery, capacity: approx. 20 min; charging time: approx. 2h
Weight of handpiece	120 g (incl. battery and light probe)
Dimensions of handpiece (without light probe)	L = 180 mm, W = 30 mm, H = 30 mm
Weight of charging base	195 g
Dimensions of charging base	D = 125 mm, H = 70 mm
Warranty	3 years (battery 1 year)

Every material, every indication, every time – and now for every hand. Only this unique combination gives you the licence to cure.

Delivery forms and accessories

	Art. No.
100 – 240 V Handpiece, battery, light probe 10 mm (black), charging base, power cord, power pack, anti-glare cones (3x), protective sleeves (50x), Operating Instructions	635 153
Light probe 10 mm, black	636 240
Light probe Pin-Point 6>2 mm, black	636 241
Protective sleeves, 50x	636 239
Anti-glare cone	551 756
Anti-glare shield	592 496
Handpiece Handpiece, battery, light probe 10 mm (black)	637 916



This product forms part of our “Composites” competence area. All the products of this area are optimally coordinated with each other.