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NEW
Bluephase® Meter II

Bluephase N®

LED curing lights from Ivoclar Vivadent



LED for all curing needs



Bluephase N® M | Bluephase N® | Bluephase N® MC

ivoclar vivadent®
passion vision innovation

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Bluephase N®

LED for all curing needs



By covering the complete wavelength range and providing a light intensity of 1,200 mW/cm², the battery-operated Bluephase N® sets highest standards in the sector of LED polymerization lights. It meets all the demands of day-to-day dental procedures thanks to its many innovations.

Due to the revolutionary Polywave technology, for example, this curing light can be used for all indications and in any situation. Furthermore, the Click & Cure function allows for continuous operation without interruption – even in extensive direct and indirect restorative treatment procedures.

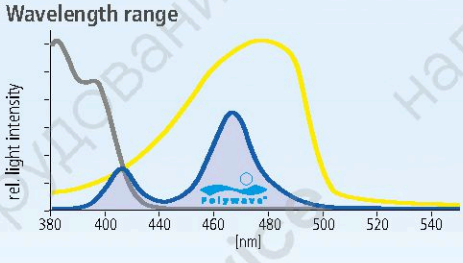
All light-curing materials

The specially developed Polywave LED, featuring blue and violet colour components, can be used for any kind of dental materials and photoinitiators due to its broadband spectrum.

- Photoinitiator camphorquinone
- Photoinitiator acyl phosphine oxide, e.g. Lucirin TPO
- Bluephase N with Polywave LED

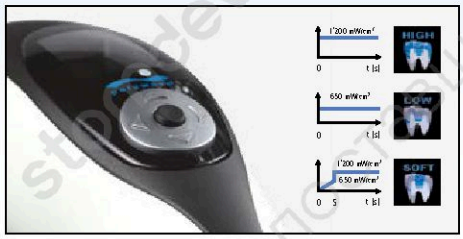
Source: R&D, Ivoclar Vivadent AG, Schaan, Principality of Liechtenstein, 2013

Wavelength range



All indications

Bluephase N offers three programs which are easy to operate: High Power for quick polymerization, Low Power for polymerization near the pulp and Soft Start for polymerization with reduced shrinkage stress.



All the time due to Click & Cure

With just one click you can connect the handpiece to the power cord of the charging base. Inconvenient waiting times while charging the battery are redundant.



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Bluephase N® M

LED for all occasions



Due to its wireless design, which is based on a high-performance lithium-polymer battery, the Bluephase N M is immediately ready for use – any time and anywhere. As a result, the dentist enjoys absolute freedom of movement in the dental practice. A light intensity of 800 mW/cm² and three adjustable curing times ensure efficient and reliable operation. The polymerization light is suitable for light-curing dental materials in the wavelength range of 430 – 490 nm.

Controlled curing time
The curing time can be preset to 10, 15 or 20 seconds depending on the material used. After this time, the curing light automatically switches off. This feature saves energy and prevents unnecessary overexposure.



Maximum power supply
The integrated lithium-polymer battery represents today's state of the art. Irrespective of its current battery level, the dental professional can use or charge the unit at any time, as required.



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Bluephase N® MC

LED for all budgets



Bluephase N MC is a mains-operated LED polymerization light with a light intensity of 800 mW/cm². It offers outstanding value for money. This model focuses on the basic requirements of efficient light-curing procedures and ensures low-maintenance as well as continuous operation at all times. The economical polymerization light is suitable for light-curing in the wavelength range of 430 – 490 nm.

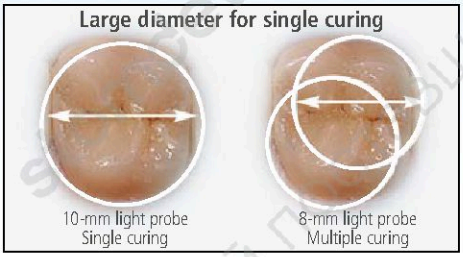
Simple and ergonomic

A universal program and the intuitive 1-button operation allow for easy and uncomplicated handling. Additionally, the curing light fits the hands of women and men comfortably due to its ergonomic design and low weight.



10-mm light probe for every situation

The light probe can be rotated 360 degrees for optimal access to all restored areas. Thanks to the large diameter of 10 mm, even large MOD cavities can be light-cured in a single step.



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Technical data	Bluephase N®	Bluephase N® M	Bluephase N® MC
Light intensity	1,200 mW/cm² ± 10 %	800 mW/cm² ± 10 %	800 mW/cm² ± 10 %
All light-curing materials Wavelength range	✓ (385 – 515 nm)	— (430 – 490 nm)	— (430 – 490 nm)
All the time Click & Cure function	✓	—	—
Absolutely mobile Wireless operation	✓	✓	— (Corded operation)
All indications Continuous operation of ≥10 minutes	✓	✓	✓
Curing times for selected composite materials 2 mm Tetric N-Ceram 4 mm Tetric N-Ceram Bulk Fill	10 s	15 s	15 s
Curing programs			
HIGH Power	1,200 mW/cm²	800 mW/cm²	800 mW/cm²
LOW Power	650 mW/cm²	—	—
SOFT Start	650 / 1,200 mW/cm²	—	—
Light probe	10 mm, black	10 mm, black	10 mm, black
Power supply	Lithium-polymer battery, capacity: approx. 60 minutes, charging time: approx. 2 hours	Lithium-polymer battery, capacity: approx. 60 minutes, charging time: approx. 1 hour	Corded operation
Warranty	3 years (battery 1 year)	2 years (battery 1 year)	2 years

Delivery forms / Accessories	Bluephase N®	Bluephase N® M	Bluephase N® MC
Complete unit, 100 – 240 V	659 683	647 620	647 619
Single handpiece (including battery and 10-mm light probe)	659 681	647 621	—
Spare battery	659 956	647 622	—
10-mm light probe, black (N) 656 196	■✓	■✓	■✓
6 > 2 mm (Pin-Point), black 608 538	✓	✓	✓
Protective sleeves 608 554	✓	✓	✓
Anti-glare cone 551 756	■✓	■✓	■✓
Anti-glare shield 592 496	✓	✓	✓

■ Included in the delivery forms ✓ Available as accessory

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Bluephase® Meter II

The dental radiometer



The light intensity is a decisive factor for the quality of light-cured restorations. In order to ensure adequate polymerisation at any time with the shortest possible curing times it is recommended to regularly check the performance of the curing light in use.

Easy and precise

With the help of the Bluephase® Meter II, the light intensity [in mW/cm²] can be measured quickly and accurately at any time. Readings are obtained in three simple steps: Measure the diameter of the light probe using the template on the back, enter and illuminate the sensor with the help of the centering gauge.



The diameter of circular light probes is measured by means of the gauge on the back of the radiometer.

Universally applicable

The innovative measuring principle results in an exceptional measuring accuracy that has never been achieved before. In addition, Bluephase Meter II is suitable for all types of curing lights (halogen, plasma, LED, etc).



The digital display is automatically activated when illuminated.

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The reference for determining the light intensity

Measuring range

Wavelength range	380–550 nm
Light intensity	300–12,000 mW/cm²
Circular light probe	Ø 6–12 mm, value measured in mW/cm² & mW
LED attached to the front	Ø 5–13 mm, value measured in mW
Measuring accuracy	± 10 % (compared with integrating sphere)

Technical data

Operating voltage	4.5 VDC
Power supply (batteries incl.)	3 x LR6 AA 1.5 VDC
Warranty	3 years

Delivery forms	Art. no.
Bluephase Meter II	667124
Bluephase N & Bluephase Meter II	674241



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Direct Restoratives

Bluephase N®, Bluephase N® M, Bluephase N® MC and Bluephase Meter II are part of the "Direct Restoratives" product category. The products of this category cover the procedure involved in the direct restoration of teeth – from preparation to restoration care. The products are optimally coordinated with each other and enable successful processing and application.


OptraGate®


Tetric® N-Bond Universal


Tetric® N-Ceram Bulk Fill


Bluephase N®


OptraPol®


Fluor Protector N

PREPARE › BOND › FILL › CURE › FINISH › MAINTAIN

THESE ARE FURTHER PRODUCTS OF THIS CATEGORY:

Tetric® N-Ceram Bulk Fill

The nano-optimized 4-mm composite



4 mm to success

- Bulk filling is possible due to Ivocerin®, the patented light initiator
- Special filler technology ensures low shrinkage stress
- Esthetic results are achieved quickly and efficiently in the posterior region

Tetric® N-Bond Universal

The tolerant universal adhesive



Universal for direct and indirect bonding

- Universal application - for all bonding procedures and etching techniques
- Predictable results - high bond strength on wet or over-dried dentin
- Universal delivery - available in bottles and the convenient VivaPen®

Would you like to know more about the products of the "Direct Restoratives" category? Simply get in touch with your contact person at Ivoclar Vivadent or visit www.ivoclarvivadent.com for more information.

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