

Bluephase N (Ivoclar Vivadent)



Final grade: 9,8



PRODUCT DESCRIPTION

The LED light of Bluephase N meets the highest light-curing standards, as it covers a wide wavelength range and provides light intensity of 1,200 mW/cm². Thanks to its multiple innovative features, Bluephase N meets all the demands of daily practice.

PRODUCT CHARACTERISTICS

- Its revolutionary Polywave technology ensures that this light-curing light can be used for all indications in any cases. Moreover, it can be operated continuously, with no interruptions, because of its Click & Cure function, even in direct and indirect restorative treatments.

MAIN COMPETITION IN THE BRAZILIAN MARKET

VALO (Ultradent Products, Inc.)

INDICATIONS

- Polywave LED has been specially developed to include blue and violet lights to be used to light cure several types of materials and photoinitiators due to its broad spectrum of light.
- Bluephase N offers three easy-to-operate programs: High Power, for swift curing, Low Power, for curing close to the pulp, and Soft Start, for curing with reduced shrinkage stress.

EVALUATORS COMMENTS:

All professionals in Dentistry should understand that light-curing quality is indispensable to get the best of each material and, therefore, to ensure longevity and success of restorative procedures. Of the light-curing units available in the market, Bluephase N (Ivoclar Vivadent) is one of the most often mentioned and evaluated in clinical trials, with consistently excellent results of effectiveness for its purpose. The programs offered for each different level of intensity facilitate its use for dentists, who may select them in a simple and practical way. For example, when working close to the pulp, the Low Power function can be selected without any loss of efficacy in light curing and with a lower risk of excessive heating of the tooth. **Oswaldo Scopin de Andrade (GRADE: 10.0)**

I have followed up the development of this unit since its first generation, and the positive points have been the increase in light intensity (mW/cm²) and the wide wavelength range to light cure different types of photoinitiators (Polywave system). In addition to the High Power, Low Power and Soft Start functions, found in all versions, one of the advantages of this unit is the visualization of the battery intensity and the possibility of connecting it to the power cord of the charging base when the battery is running out. A disadvantage in relation to competition is its size and ergonomic design. **Cristian Higashi (GRADE: 9.0)**

I use and recommend the Bluephase N light-curing unit. I like the fact that it is practical and easy to handle when using its three functions, Low, Soft and High, as well as the fact that the display ensures easy visualization. Its power is 1,200 mW/cm², and its wavelength is in the range of violet and blue (Polywave), which ensures adequate light curing of all polymeric materials that contain camphorquinone and other alternative photoinitiators, such as BAPO and TPO. The only unfavorable point of the curved design of the tip of the optical fiber, which complicates the work, let's say, in the distal aspect of the second molar of a patient with limited mouth opening. **Antonio Setsuo Sakamoto Junior (GRADE: 9.9)**

Having a light-curing Polywave unit such as the Bluephase N is to have the certainty and security of activating all and any type of photoinitiating molecule of resins and composite cements. **Rodrigo Ehlers Ilkiu (GRADE: 10.0)**

It was 2012, when purchasing my Bluephase unit was a turning point from commonplace Dentistry into excellence in oral health care services. It was developed to complete the triad for success: technical performance, material and equipment. The fact that it is a polywave unit ensures adequate light-curing when using from saturated to high-value composites. As if that was not wonderful of itself, the unit provides the efficacy and safety that patients demand, in addition to responding to ergonomic needs and featuring a user-friendly setup. Doubtlessly, this is the best investment for dentists that work with adhesive dentistry **Ginger Mello (NOTA 10.0)**

The best investment a dentist can make, no matter whether just graduated or clinically experienced, is, doubtlessly, acquiring a polywave unit such as Bluephase N. This unit light-cures currently available direct resins and composite cements that have any type of photoinitiator molecule, ensuring efficacy, complete light curing and, consequently, procedures with a greater longevity and higher quality. **Roberto César do Amaral (GRADE: 10.0)**

Bluephase N is an excellent LED light for light-curing materials. Its polywave light technology provides a large activation spectrum for most photoinitiators found in dental products. The Low, Soft and High functions provide the adequate power for different restorative procedures, from 650 mW/cm² for light curing adhesives, for example, to 1,200 mW/cm², used for procedures such as

the cementation of porcelain units. Because of its characteristics, it adds quality and reliability to light curing of dental materials in your office. **Carlos Archangelo (GRADE 9.5)**

Bluephase N meets all the needs of the different specialties and dental clinics. It is primarily indicated for dentists whose work is focused on aesthetic procedures, using either composite resins or luting composites. Its light intensity has three stages, which provides a high degree of curing for all materials, which is important for greater material longevity. **Junior Romanini (GRADE: 10.0)**

Bluephase N is a fundamental unit to work with adhesive dentistry, as it ensures the safe maximal conversion of monomers into polymers for all monomer materials, regardless of type of photoinitiator in their composition. **José Roberto Bordignon Junior (GRADE: 10.0)**

I see Bluephase N as indispensable for anyone who seeks quality and excellence in their offices. Acquiring this unit has given me the chance to perform aesthetic procedures more reliably and be sure of efficient light curing, regardless of type of composite resin or luting composite use. **(Carlos Eduardo Oliveira)**

CLINICAL TIP:

"Bluephase N has three light-curing programs that vary in light intensity. These programs are measured in mW/cm² and may be checked on the unit's display: Low Power — low intensity, 650 mW/cm², indicated for light-curing adhesive systems, as they are placed closer to the pulp, thus avoiding excessive heating of the pulp. Soft Start — ramp mode, with gradually increasing intensity up to a maximum of 1,200 mW/cm², which is indicated for class I and II restorations

to reduce composite shrinkage stress; and High Power — high intensity, 1,200 mW/cm², which is primarily indicated for light-curing composite cements during adhesive cementation. In addition, it has the Click and Cure function, which is used to connect the unit to the power cord of the charging base with only one click, thus reducing the inconvenient wait times of battery charging". (Rodrigo Ehlers Ilkiu)

Contra-ângulo Multiplicador Alegra WE-99 Led G (W&H)



Final grade: 9,7



PRODUCT DESCRIPTION

Contra-angle handpieces from W&H are made in Austria, adding reliability and guaranteeing the long life of your parts.

Compact and high performance, its size and weight translate into more ergonomic and fatigue-free job.

With precise preparation, Alegra contra-angle handpieces from W&H make the treatment of your patients much more efficient and extremely safe.

The adjustable finish generates excellent results for restorations produced by CAD / CAM.

PRODUCT CHARACTERISTICS

- More comfortable work with LED +, which offers high colour rendering index, with daylight quality, regardless of whether the unit be equipped with light or not, thanks to the self-generated LED light and the excellent positioning of the lighting output.

MAIN COMPETITION IN THE BRAZILIAN MARKET

Kavo, NSK and Bien Air.

INDICATIONS

- It is indicated for refinement work, finishing preparation of aesthetics prosthesis, cavity and facets preparations.

TECHNICAL DATA

- Intra coupling
- Electric or pneumatic micromotor with internal irrigation
- Push Button
- FG Burs with Ø 1,6 mm (ISO 1797-1)
- 40,000 min⁻¹
- Motor connection ISO 3964
- Outer diameter of the sheath: 20 mm
- Stainless steel sheath
- Contra-angle handpiece 1:4.5
- LED+ light
- Triple spray
- Head size: Ø 10.1 mm
- Oil Proform should be used to lubricate and internal cleaning of the W&H devices.

EVALUATORS COMMENTS

“I’ve been using it for about 6 years and completely replaced the high-speed turbine with it. Greater precision and easiest to metal removal when used in

an electric motor with speed control. Provides precise torque, avoiding excessive manual effort and, consequently, more uniform and well-finished cavity preparations. Easy to clean and sterilize, adequate weight and, mainly, W&H has easy and fast technical assistance in Brazil. Push bottom has had no problem over the years. The only situation we had was to attach to the equipment support when used in an electric motor. In that case, you can buy a specific support for the electric motor output”.
(Andréa Melo)

“I give a 10 for the Alegria contra-angle handpieces, which allowed me to have much more precision in the preparations, due to torque control and excellent lighting, ensuring greater quality to the treatment. Not to mention the comfort provided to the patient, as he is very silent. Fantastic equipment also in terms of durability, allowing me to drop the high speed” **(Luis Calicchio)**

“One way to improve dental preparations is to use the Alegria WE-99 Led G contra-angle handpieces from W&H. It is quiet, precise, resistant and with an LED that improves visibility in the lingual region of the teeth”.
(Bruno Castro)

“It seemed to me a very differentiated device, due to its lightness and excellent ergonomics. The LED is attached, which does not need a light source because it uses its own dynamo. It also has an efficient spray of water and a relatively small head size, which, in my opinion, is very good for accessing posterior areas and low noise level”. It conveys a feeling of excellent control and precision for the day-to-day use of those who do real clinic, needing optimize time and quality. I would rate this handpiece a 9.5; it would be 10 if it had a better cost”. **(Ronaldo Viotti)**

“The generation of light through the LED, without the fiber optics, makes the choice of this product much more flexible. I have been using both the Alegra WE 99 LED and the electric motor in my clinic for almost 10 years, which have become indispensable in my daily life. Proper maintenance, during cleaning and sterilization, means that it does not need to be sent frequently to dealers. I haven’t used high speed in my clinic for about 10 years, only Alegra associated with the electric motor. Indispensable.”
(Oswaldo Scopin).

“I have been using this contra-angle handpiece since 2013 and I notice a much greater precision in relation to the preparation control, both for Aesthetics and Dentistry!”
(Thiago Ottoboni)

“The use of multiplier contra-angle handpieces has become indispensable in our clinical routine. With the help of this instrument, we were able to make preparations with high precision, due to the minimal vibration of the diamond tip. And the presence of its own generator LED light, regardless of whether the unit is equipped with light, creates a perfectly lit environment.”
(Roberto Zangirolami)

“Essential equipment for dental preparations, refinement of preparations and finishing of restorations in composite resin, especially restorations on anterior teeth, as it allows the use of diamond tips and multilaminated burs with total control speed, without vibration and with increased torque. When associated with the presence of LED, it makes viewing perfect, further increasing the quality of the procedure. I recommend!”
(Rodrigo Ehlers Ilkiu)

CLINICAL TIP

“Multiplying contra-angle handpieces have become fundamental devices for the precision in conservative preparations. With them, it is possible to obtain a speed lower than the high speed, a greater torque and the possibility use of diamond tips without adapters. They can also be used for the finishing of composite resins, such as occlusal adjustments and textures. The Alegra WE-99 Led G from W&H is excellent for all these features, in addition to the built-in light, which allows perfect lighting even in the most difficult regions, such as the posterior teeth”.
(Cristian Higashi)

GrandioSO Heavy Flow (VOCO)



Final grade: 9,4



PRODUCT DESCRIPTION

Flowable universal nano-hybrid restorative material, highly viscous, filler content higher than 83%.

PRODUCT CHARACTERISTICS

- Increased stability in comparison to conventional flowables, i.e. no undesirable runoff.
- Able to completely cover cavity walls.
- Universal application for indication-appropriate treatment of all cavity classes.
- Physical properties superior to those of various other packable materials, e.g. hardness, stability, abrasion resistance.
- Very high filler content, over 80% w/w.

- Safe and accurate application.
- Twelve shades for aesthetic restorations perfectly coordinated with GrandioSO.
- High shade stability.
- Very good polishability and durable brilliance.
- Opaque white color (WO), with extremely high radiopacity (500% Al) for a strong contrast with dental tissue or other restoration materials.
- Available in the non-dripping NDT®-syringe and Flow-Caps with flexible metal cannulae.

INDICATIONS

- Fillings of class I to V cavities.
- Minimally invasive filling therapy.
- Extended fissure sealing.
- Blocking out undercuts.
- Lining or coating cavities.
- Repairing fillings and veneers.
- Luting translucent prosthetic pieces (e.g., full ceramic crowns, etc.).
- Interlocking and splinting teeth (e.g., with glass fibre strands).
- Use as a base material in combination with glass fibres or similar products for fabricating semi-permanent crowns and bridges.

MAIN COMPETITION IN THE BRAZILIAN MARKET

- **Filtek Z350 XT flow – 3M ESPE**
- **Estelite Flow Quick – Tokuyama**
- **Tetric N-Flow – Ivoclar Vivadent**

EVALUATORS COMMENTS

“GrandioSO Heavy Flow stands out in the group of flowables for presenting a large filler content, comparable to a conventional flowable, combined with excellent runoff. It is an easy material to work with and precise application, due to its non-dripping syringe”. (André Mallmann)

“GrandioSO Heavy Flow simplifies my clinical routine. I use it in practically all restorations, to improve the adaptation, but its main bounce in my office is for luting ceramic laminates. The viscosity is just wonderful, because it is not as fluid as conventional resin cements and makes the luting stable and easy to removal of excesses. In addition, it has a resistance excellent, which generates long-term stability”. **(Marcelo Figueiredo Magalhães)**

“GrandioSO Heavy Flow is a material that comes meeting an old need of dentists: have a flow resin that has a more controlled flow. Due to thixotropy of this material, we were able to control its runoff, being ideal for restorations class II in the superficial cavity region, with better settlement, to regularize the surfaces of cavities and also playing a very important role in the semi-direct restorations, being used as the first layer for better settlement, that is, better adaptation of silicone restorations in the model, for later cementation in the mouth. That material I use a lot in the daily clinic routine and I recommend it in my courses, due to all the characteristics mentioned above”. **(Hamilton Renato)**

“Positive benefit-cost ratio. Flow resin with less flowable consistency, with multiple indications and specially very well indicated in class V restorations and non-carious cervical lesions”. **(Cesar Perez)**

“Grandioso Heavy Flow has a sufficient amount of filler and colors available for use in several clinics situations. Its high viscosity is excellent for not generating bubbles during the restoration”. **(Cristian Higashi)**

“Composite flow with high stability, with an excellent range of colors, differentiating itself from the others by presenting a high filler content (83% approximately), which results in better mechanical properties and less polymerization contraction”. **(Rodrigo Ilkiu)**

“I use GrandioSO Heavy Flow in my daily life, due to its practicality, as it has a NDT system (non-dripping), good stability and high filler content. I use it in class V and class I restorations in cusp tips with acid erosion, which may be exposed in the cavity, as it has a good mechanical resistance and polishing. The only care is in relation to the increment thickness, since this material is not “bulk fill”, it is recommended to accommodate increments of up to 2 mm and not to join opposite cusps”. **(Antonio S. Sakamoto Jr)**

CLINICAL TIP

Due to its high stability and filler, it can be used in erosion cavities, in cusp tips (occlusal) and in non-carious cervical lesions, and can be exposed in the mouth, as it presents a good resistance to wear, and it is not necessary to cover it with a resin with a conventional viscosity composite resin”.

(Antonio S. Sakamoto Jr)