

Next level of light-curing

Bluephase® N G4

The high-performance curing light



Light-cure with Bluephase® N G4

Short curing times starting from 5 seconds

Bluephase N G4 offers light intensities of up to 2,000 mW/cm² and thus supports time-efficient and therefore effective work routines.



- ✓ Reliable light-curing process
- ✓ Suitable for all types of light-curing dental materials
- ✓ Provides guidance on curing programs and exposure times
- ✓ Short exposure times, starting from 5 seconds
- ✓ Additional PreCure program for the removal of excess light-curing adhesive luting composites.

You look for top quality and performance. So do we.

Sufficient polymerization requires proper use of the curing light. Moreover, the quality of the device is just as important.

Benefits of the Bluephase® N G4:

- ✓ **Unlimited compatibility with different materials**
The wide spectrum of wavelengths renders the light suitable for all current light-curing dental materials.
- ✓ **High light intensity**
It is suitable for polymerizing both direct and indirect restorations – in particular for the luting of ceramics.
- ✓ **Consistent light performance**
The light intensity of every curing mode is calibrated to +/-10%.
- ✓ **Uniform polymerization**
Due to the homogeneous distribution of light across the entire light tip

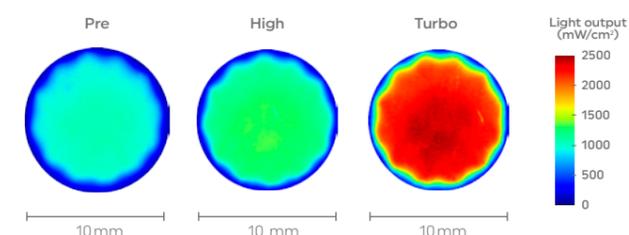
Polywave LED ensures maximum material compatibility

How well a dental material is polymerized depends, among other things, on the light emitted by the polymerization device. LED polymerization lights of the second generation with blue LEDs are certainly well adapted to camphorquinone, but emit light in a narrow spectrum, between 440 and 500 nm.^[3]

In contrast to these LED lights, the purpose-designed Polywave® LED covers the entire wavelength range between 385 and 515 nm due to two different types of diodes, which produce light in the blue and violet spectrum.

This means that Bluephase N G4 featuring Polywave LEDs is suitable for curing all current dental photoinitiators and light-curing materials without limitations. These materials include restoratives, bonding agents/adhesives, bases, liners, fissure sealants, temporaries, as well as luting materials for brackets and indirect restorations such as ceramic inlays.

Uniform polymerization effect due to homogeneous light distribution



The beam profiles taken under identical conditions at a distance of 0 mm by Dr. Richard Price, Dalhousie University, Canada, show the unfiltered irradiance distribution of the blue and violet light at the tip of the Bluephase N G4 light guide. The Bluephase N G4 has an excellent beam profile that delivers a homogeneous light and wavelength output across the light tip.

For all your curing needs

Bluephase N G4 is suitable for curing all current light-curing dental materials without limitations. These materials include restoratives, bonding agents/adhesives, bases, liners, fissure sealants, temporaries, as well as luting materials for brackets and indirect restorations such as ceramic inlays.



Find out more about our solution for direct restorative procedures:
www.ivoclar.com/direct-restoratives-n2



Three curing modes for versatile use

Choose between the Turbo mode, High Power mode and PreCure mode – depending on your needs.



High Power 1,200 mW/cm²
Suitable for common day-to-day treatments.

light-curing times

Turbo 2,000 mW/cm²
Curing in only 5 seconds. Suitable for all types of restorations and for luting composites in particular.

PreCure
Very useful for the removal of excess light-curing adhesive luting composites.

ivoclar

Induction charging



Bluephase family

Market proven for many years, our Bluephase devices are designed for the intraoral polymerization of light-curing dental materials.



Bluephase N-Cure

Bluephase N-Cure is the newest polymerization device of the family. It is a LED polymerization light with a high-power light intensity of 1,200 mW/cm² for fast, reliable, and efficient curing in just 10s. This makes the lamp suitable for common day-to-day treatments.

The model enables the polymerization of light-curing dental materials in the wavelength range of 385-515 nm, including filling materials, dental adhesives, cavity liners, bases, fissure sealants, temporary restorations, luting materials for brackets, and indirect restorations (e.g. ceramic inlays).

Bluephase N-Cure offers the advantages of a removable, rotatable, and autoclavable light guide, complemented by a design that prevents accidental falls.

✓ Simplified operation

Bluephase® N-Cure has only one mode and one button, making the lamp easy to use for dentists and dental assistants without having to navigate through different settings.

✓ Efficient curing

It ensures that restorations are always cured thoroughly and efficiently, providing consistent results for your patients.

✓ Convenient and affordable

By offering a convenient solution for all curing needs without sacrificing quality or performance, all at an affordable price.

Bluephase N MC

Bluephase N MC is a mains-operated LED polymerization light with a light intensity of 800 mW/cm². The device offers outstanding value for money.

This model focuses on the basic requirements of efficient light-curing procedures, 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.



✓ Experience the simplicity

With one universal program and an intuitive 1-button corded operation, handling becomes easy and straightforward with Bluephase N MC for reliable polymerization and curing results.

✓ 10-mm light probe for every situation

The light probe can be rotated 360 degrees for access to all restored areas. The wide 10-mm light probe facilitates time-saving procedures.

Bluephase	
744011	N G4
762138	N-Cure
647619	N MC
667124	Meter II

Device	Program	Time	Light intensity (mW/cm ²)	Application areas	Material ^[4]
Bluephase N G4	Turbo	5 Seconds	2,000	restorations in Class I – V cavities indirect restorations (per mm of ceramic and per surface)	with Tetric® N-Ceram, Tetric® N-Ceram Bulk Fill, Tetric® N-Flow Bulk Fill, Tetric® N-Bond Universal
Bluephase N G4 Bluephase N-Cure	High Power	10 Seconds	1,200	all direct and indirect restorations	e.g. IPS Empress® Direct, Tetric® N-Line, Tetric® N-Bond Universal, Variolink® Esthetic
Bluephase N MC		20 Seconds	800		
Bluephase N G4	PreCure	2 Seconds	950	removal of excess cement	e.g. Variolink® Esthetic, Variolink® N

Direct restoratives for efficient esthetics

With the Efficient Esthetics portfolio we aim to help you enhance your efficiency in the fabrication of esthetic restorations. Efficient treatment procedure – from preparation to restoration care.



Isolate

Comfortable relative isolation with OptraGate



Bond

Efficient bonding with Tetric N-Bond Universal



Restore

Tetric N2-Line – the efficient solution for all cavities



Cure

High curing performance delivered by Bluephase N G4



Polish

Lustrous surfaces produced with OptraGloss



Protect

Effective prevention with Fluor Protector S