

Bluephase® Style

The curing light

The smallest LED
for every use



NEW Bluephase® Style M8
Bluephase® Meter II



ivoclar
vivadent®
passion vision innovation

Bluephase® Style – The smallest LED for every use ...



True innovation proves itself in use. A perfect example of this is the **Bluephase® Style** curing light with the specially developed Polywave® LED. The curing light is capable of polymerizing all current photoinitiators and materials.



The Bluephase curing lights set new standards in every respect. They are not only the **best-selling LED polymerization lights** in Europe but they are also used in numerous clinical studies¹. They have also been ranked top light-curing unit by independent and renowned test institutes.

Grounded in proven concepts and open to further development: These principles are embodied in the Bluephase Style. Bluephase Style offers a **high light intensity** to enable short polymerization times and features a compact and ergonomic shape that ideally fits **the hand of every woman or man**.



Bluephase® Style, available in 3 different colours.



¹ IADR Dubrovnik 2014

... and comfortable to fit every hand

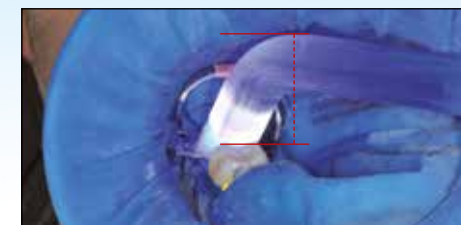


Given the light's **low weight and balanced weight distribution**, the strain exerted on the hand and arm is reduced, regardless of the size of the hand. Bluephase Style can be held in the hand in a position that is comfortable and free of strain to suit your preferences.

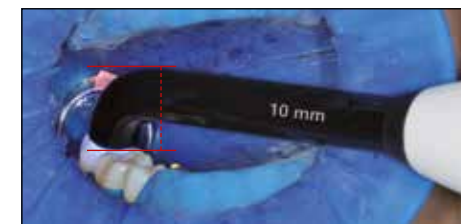
Removable and autoclavable, the light probe of Bluephase Style clearly stands out from conventional designs. It is **shortened** and can be rotated by 360 degrees, enabling access to all tooth surfaces **without extreme opening of the mouth**.



Bluephase® Style is comfortable to hold in any position.



Competitive light

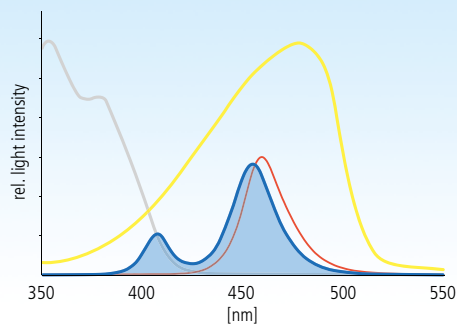


Even difficult-to-reach areas can be easily accessed with the Bluephase® Style. (Dr Eduardo Mahn, Santiago, Chile)

Every material due to Polywave® LED

If and how well a dental material polymerizes depends *inter alia* on the light emitted. In contrast to the LED lights of the second generation, **Polywave LEDs** cover the entire wavelength spectrum between 385 and 515 nm. Therefore, Bluephase Style is suitable for polymerizing all current photoinitiators and materials without any restrictions.

Wavelength range



Source: R&D Ivoclar Vivadent AG, Schaan, 2014

Every indication due to continuous cooling

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

Every time due to Click & Cure

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.

Click & Cure



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

1,100 mW/cm²

Easy operation
Two-button operation

Inductive charging
enables contactless
charging of the battery.

Charging base with with battery charge indicator

The illuminated ring appears black if the battery is fully charged.

*"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.*

*"The use of polywave LEDs significantly increases the conversion rate and Knoop microhardness in TPO-containing materials. This should be considered when bleach-coloured composites are light-cured, even if the manufacturer of the material does not give any details about the TPO content."
Santini A, Miletic V, Swift M, Bradley M: Degree of conversion and microhardness of TPO-containing resin based composites cured by polywave and monowave LED units. Journal of Dentistry 40 (2012), 577-584.*

**Warranty: 3 years
battery 1 year**

Bluephase® Style cures effectively even from a distance

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 to penetrate deep into the material to be polymerized. As a result, an exceptionally high light intensity is available in critical situations. A reliable cure can be achieved even when the material is **illuminated 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

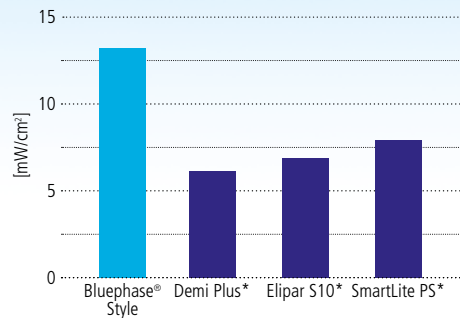


Competitive light



The 10-mm light probe allows MOD restorations to be light-cured in a time-saving single curing cycle.

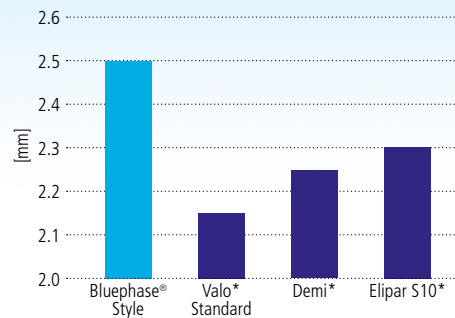
Transmission energy at a distance of 4 mm



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

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

Curing depth of Tetric EvoCeram® A3



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 M8 – The LED for economical use

Bluephase Style M8 features an **ideal price-performance ratio** that suits every budget. A high light intensity of 800 mW/cm² allows dental materials to be **cured rapidly** in **only 15 s** in a wavelength range between 430 and 490 nm.

Equipped with a high-performance **lithium-polymer battery**, the curing light affords maximum flexibility in everyday dental work. Cordless operation means that the LED light can be used everywhere and anytime.

A selection of four different exposure times provides time-saving and reliable curing results. Operation is easy and intuitive.



The battery can be charged or removed at any time.



Two-button operation



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.

With the help of the Bluephase® Meter II, the light intensity [in mW/cm^2] 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 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 diameter of circular light probes is measured by means of the gauge on the back of the radiometer.



The digital display is automatically activated when illuminated.



The reference for determining the light intensity



Bluephase® Style M8 & Bluephase® Meter II



Bluephase® Style grey/blue/pink & Bluephase® Meter II



Bluephase® Meter II

Delivery forms

Product	Art. no.
Bluephase Meter II	667124
Bluephase Style 100 – 240 V grey & Bluephase Meter II	674243
Bluephase Style 100 – 240 V blue & Bluephase Meter II	674242
Bluephase Style 100 – 240 V pink & Bluephase Meter II	674244
Bluephase Style M8 100 – 240 V & Bluephase Meter II	674245

Measuring range

Bluephase Meter II	
Wavelength range	380–550 nm
Light intensity	300–12,000 mW/cm ²
Circular light probe	Ø 6–12 mm, value measured in mW/cm ² & mW
LED attached to the front	Ø 5–13 mm, value measured in mW
Measuring accuracy	± 10 % (compared with integrating sphere)

Technical data

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

Bluephase® Style at a glance

Technical data

	Bluephase Style	Bluephase Style M8
Light intensity	1,100 mW/cm² ±10 %	800 mW/cm² ±10 %
Every hand (ergonomic design)	✓	✓
Every material (wavelength range)	✓ (385–515 nm)	– (430–490 nm)
Every indication (continuous operation for at least 10 min)	✓	✓
Every time (Click & Cure: optional mains operation)	✓	–
Curing time for selected composite materials		
2 mm Tetric EvoCeram / IPS Empress Direct	10 s	15 s
4 mm Tetric Evo Ceram Bulk Fill / Tetric EvoFlow Bulk Fill	10 s	15 s
Power supply	Contactless charging via lithium-polymer battery, capacity: approx. 20 min; charging time: approx. 2 h	
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)	2 years (battery 1 year)



Delivery forms/accessories

Bluephase Style	Art. no.
Bluephase Style 100–240 V grey	635 153
Bluephase Style 100–240 V blue	642 513
Bluephase Style 100–240 V pink	642 514
Handpiece, battery, light probe 10 mm (black), charging base, power cord and power pack, anti-glare cones (3x), protective sleeves (50x), Operating Instructions	
Light probe 10 mm, black (Style)	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
Bluephase Style handpiece grey	637 916
Bluephase Style handpiece blue	643 296
Bluephase Style handpiece pink	643 307
Handpiece, battery, light probe 10 mm (black)	

Bluephase Style M8	Art. no.
Bluephase Style M8 100–240 V	667 505
Handpiece, battery, light probe 10 mm (black), charging base, power cord and power pack, anti-glare cones (3x), Operating Instructions	
Light probe 10 mm, black (Style M8)	667 497
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
Bluephase Style M8 handpiece	667 496
Handpiece, battery, light probe 10 mm (black)	

Direct Restoratives

Bluephase® Style forms 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.



THESE ARE FURTHER PRODUCTS OF THIS CATEGORY:

Tetric EvoCeram® Bulk Fill & Tetric EvoFlow® Bulk Fill

High-performance posterior composite



The most efficient posterior composite!

- Increment thickness of up to 4 mm due to the highly reactive light initiator Ivocerin®
- Dentin- or enamel-like volume replacement
- 10 seconds ($\geq 1,000$ mW/cm²)
- 47% less time required than with the conventional technique*

* compared to Tetric EvoFlow® and Tetric EvoCeram®. Data available on request.

Adhese® Universal

The universal adhesive



Universal adhesion with advanced delivery

- Efficient delivery – up to 190 single-tooth applications per 2ml VivaPen
- Universal application – for all bonding and etching techniques
- Predictable results – high bond strength on dentin and enamel

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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