

# bluephase<sup>®</sup> C8

Licence to cure



new

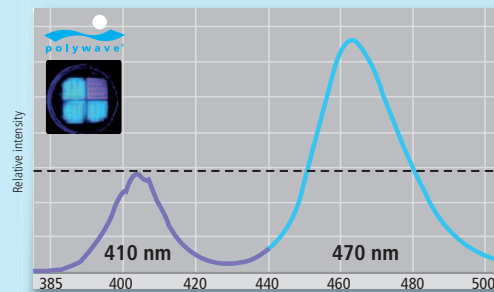
LED for every use

# bluephase® – The next generation in light-curing

## Every material due to polywave® LED

With its specially developed **polywave LED**, the 2<sup>nd</sup> generation of the bluephase family sets new standards in the dental practice.

In contrast to conventional LED devices, the new polywave LED achieves an optimal broadband range from 385 to 515 nm, which is similar to the spectrum of halogen lights that served as its model. The new polywave LED light is therefore suitable for all photoinitiators.



### Every material due to polywave LED

Due to the two different LEDs that are used – one with approx. 410 nm and the other approx. 470 dominant wavelength – bluephase is suitable for all light-curing materials.

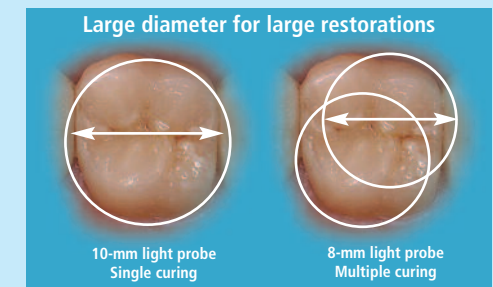
## Every indication due to continuous cooling

As opposed to annoying interruptions and irritating waiting times, the invisible and virtually noiseless fan of the bluephase light allows continuous operation without any clinical limitations – even extensive restorations can be placed without interruptions.

## Every position due to 10-mm light probe

The rotating 10-mm light probe allows for enhanced accessibility to all restored areas.

The large diameter ensures that even large cavities are completely irradiated with light. Time-consuming multiple irradiations of MOD restorations are a thing of the past.



Large emission window – the broad 10-mm light probe allows MOD fillings to be irradiated only once, saving valuable time.



# bluephase® C8 – on an economical mission



## The dental experts agree:



*The new bluephase fills the last small gap with its different LEDs for all photoinitiators. Absolutely recommendable.*



Dr Gary Unterbrink, Liechtenstein



## bluephase C8 ...

In comparison with the cordless bluephase, bluephase C8 is streamlined to the essential properties, providing excellent value for money.

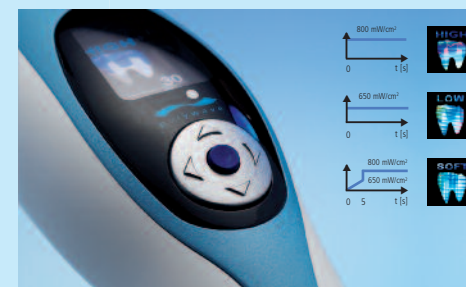
## ... on an economical mission

As a mains-operated LED curing light with a light intensity of **800 mW/cm<sup>2</sup>**, bluephase C8 allows time-saving, short curing times.

Due to the light-scattering characteristics of the **parallel-walled 10-mm light probe**, even deep proximal boxes can easily be cured.

## Everything from the same manufacturer

Ivoclar Vivadent provides the best prerequisites for a durable aesthetic composite restoration by offering optimally coordinated products and outstanding precision in terms of light intensity. This is also supported by a field study conducted at the Johannes Gutenberg University.



Three easy-to-use programs – High Power for rapid curing, Low Power for curing areas near the pulp and Soft Start for stress-reduced polymerization.

## Field test on light intensity (mW/cm<sup>2</sup>)




	Value indicated by manufacturer	Mean value measured	Units with an intensity of < 70 % of the value stated by manufacturer
bluephase (previous model)	1,100 (± 10 %)	1,066	0 %
L.E.Demetron I*	1,000	699	67 %
Translux Power Blue*	1,000	513	100 %
Elipar FreeLight 2*	1,000	602	58 %

Source: C.-P. Ernst, Johannes Gutenberg Universität Mainz, 2006 (excerpt)

\* Not registered trademarks of Ivoclar Vivadent AG.

In this field study, the light output of 660 curing lights that are used in dental practices was tested. A particular feature of the test was that the light intensity was measured using the integrating sphere, which determines the absolute light intensity with high precision.

# bluephase® C8 – Technical data at a glance

	<b>new</b> bluephase® C8 800 mW/cm <sup>2</sup> ±10%	bluephase® 1,200 mW/cm <sup>2</sup> ±10%	bluephase® meter 300 - 2,500 mW/cm <sup>2</sup> ±20%
<b>Every material</b> (wavelength range)	✓ 385 - 515 nm	✓ 385 - 515 nm	✓ 385 - 515 nm
<b>Every indication</b> (continuous operation for at least 10 min)	✓	✓	
<b>Every time</b> Click & Cure (optional mains operation)	✓ (Mains operation)	✓	
<b>Curing time</b> for composites	20 sec	15 sec	
<b>Curing time</b> for Tetric EvoCeram/IPS Empress Direct	15 sec	10 sec	
<b>Curing programs</b>			Measuring the light intensity of LED curing lights
<b>HIGH Power</b> 	800 mW/cm <sup>2</sup>	1,200 mW/cm <sup>2</sup>	
<b>LOW Power</b> 	650 mW/cm <sup>2</sup>	650 mW/cm <sup>2</sup>	
<b>SOFT Start</b> 	650 / 800 mW/cm <sup>2</sup>	650 / 1,200 mW/cm <sup>2</sup>	
<b>Light probe</b>	10 mm black	10 mm black	
<b>Power supply</b>	Mains operation (upgrade to battery operation possible)	Lithium-polymer battery capacity: approx. 60 min/ charging time: approx. 2h	3 x LR6 AA 1.5 VDC
<b>Display</b>	OLED colour display	OLED colour display	Digital LCD display
<b>Warranty</b>	3 years	3 years (battery 1 year)	3 years

## Accessories / delivery forms

100 - 240V	613 736	607 920
100 - 240V & bluephase meter	613 751	607 921
10-mm light probe, black	608 537	■
6>2 mm (Pin-Point), black	608 538	✓
Protective sleeves	608 554	✓
Anti-glare cone	551 756	■
Anti-glare shield	592 496	✓
Battery	—	608 535
Handpiece	—	608 532 (handpiece, battery, light probe 10 mm)



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■ Included in delivery form ✓ Available as accessory

## bluephase meter – Licence to measure intensity

The innovative radiometer with a unique measuring principle is used to determine the light intensity of LED curing lights with a circular light-emission window.



Article no. : 607 922