
O-Star
7 Modes in total
M/T
ONE CURE

WOODPECKER Curing Light

16 years of professional technology
38 national patents
Global sales over 1.5 million units
Pioneering Curing Light expert in China

SMALL BUT POWERFUL MAKING A BIG DIFFERENCE

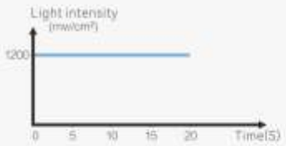
Full-metal body, ergonomically-streamlined design,
without tiredness from long-time holding
102 processes, 108g main unit,
light but strong, anti-shock and durable

7 MODES TO FULLY MEET A VARIETY OF CLINICAL NEEDS

Like an all star, O-Star is strong in performance, well-controlled and can fully meet various clinical needs.

Standard Intense Light Ultra Intense Orthodontics Ramping Pulse Inspection

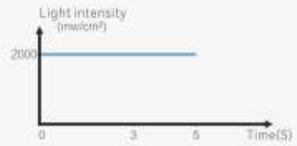
标准模式



Normal Mode

Constant light intensity:
1000-1200mw/cm2
Suitable for most treatment scenarios, such as fillings, restorations, etc.
Time setting: 5s, 10s, 15s, 20s

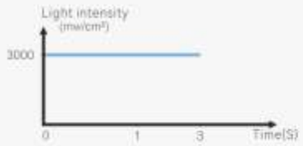
强光模式



High Mode

Constant light intensity:
1800-2000 mw/cm2
Suitable for quick curing, ensuring enough curing depth
Time setting: 3s, 5s

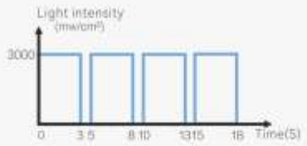
超强模式



Turbo Mode

Time setting: 1s, 3s
2700-3000
Ultra-high light intensity enables 1 sec curing of 2mm resin.

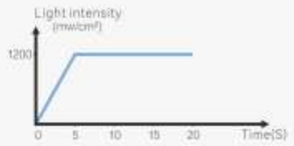
正畸模式



Ortho Mode

Time setting: 3*5 3*10
2700-3000
High light intensity with strong penetrability, especially suitable for orthodontic bracket bonding

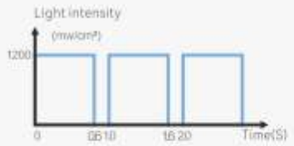
渐进模式



Soft Mode

Light intensity is gradually increased from 0 to 1200mw/cm2
Time setting: 5s, 10s, 15s, 20s
Effectively reduce the shrinkage rate of resin;
Lower the risk of microleakage

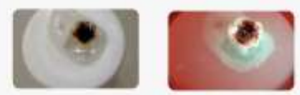
脉冲模式



Pulse Mode

The LED will stop for 0.6s at an interval of 0.4s curing.
When working in a cycle of treatment, it can effectively reduce heat generation, efficiently dissipate heat and ensure the comfort of diagnosis and treatment.
Time setting: 5s, 10s, 15s, 20s

检查模式



Check Mode

This mode outputs a single purple light. When special glasses are worn, the caries are obviously orange-red.
Application: Detection of caries, calculus and cracked tooth

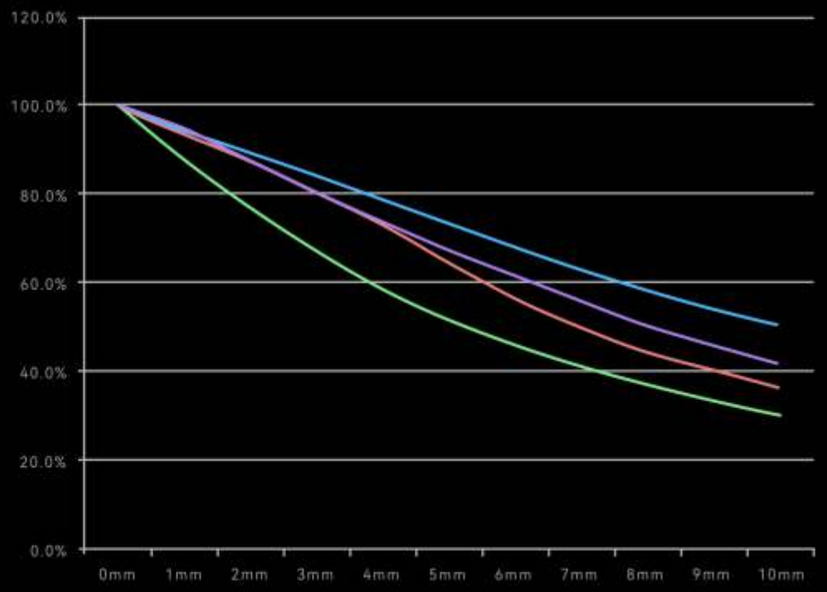
UNIFORM BEAM, STRONG PENETRABILITY

More-focused light output thanks to light angle of only 15.8°
ensuring good deep curing effect.

Curing distance (cm)	Light source	Light spot length (cm)	Light spot width (cm)	Light spot area (mm^2)	Light spot area ratio	Light angle
5	Woodpecker	38	38	1444	-14.1%	15.80°
	Valo Cordless	41	41	1681		17.38°
	Power Cure	87	87	5941.665	253.5%	37.95°

LESS LIGHT LOSS

The light intensity of Curing Light will be reduced when the curing distance increases.
Compared to other Curing Lights, O-Star undergoes less light loss.



O-Star

VALO Cordless

Bluephase PowerCure

Chinese Brand C

O-Star VALO Cordless Bluephase PowerCure Chinese Brand C

LIGHT INTENSITY UP TO 3000 MW/cm^2

The high light intensity brings sufficient curing depth
which can reduce the curing time and greatly improve the efficiency of resin curing.

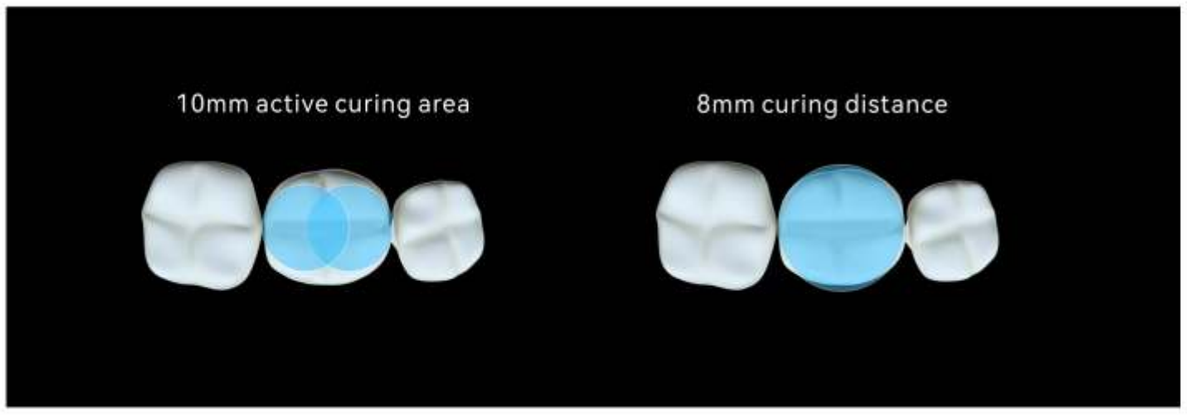
Equipped with 10wLED
light intensity up to 3000 mw/cm2, bringing you full confidence in curing

CHARGING BASE WITH BUILT-IN LIGHT METER

There is a light meter built in the charging base.
Accurate light intensity is required for efficient polymerization of the resin,
bringing you and your patients the best treatment experience.

SIMPLE TWO-BUTTON DESIGN
ENABLES EASY OPERATION.

Equipped with OLED screen, the mode,
light intensity and time can be clearly displayed to avoid clinical errors.



360° ROTATABLE HEAD MEETING VARIOUS CLINICAL NEEDS

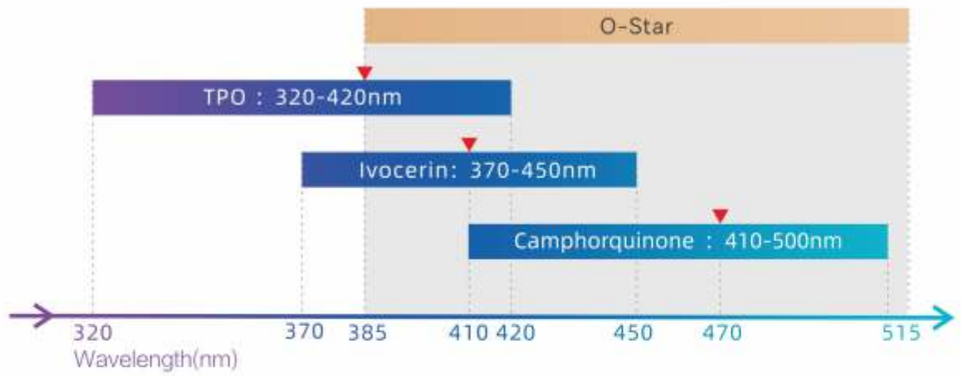
360° rotatable head, easy to illuminate all angles in the mouth
The low-profile head can easily reach the posterior teeth.
The patient only needs to open the mouth slightly and enjoy comfortable treatment.

O-Star

Ordinary light guide

WIDE SPECTRUM CURING LIGHT CAN CURE ALL RESIN MATERIALS ON THE MARKET.

Camphorone (CQ) is used as photoinitiator in most of the resins on the market,
but some resins use two kinds of new photoinitiators, i.e. TPO or ivocerin.
The main absorption wavelength of these three kinds of resins is 385-515mm.
With a wavelength range of 385-515nm,
O-Star is suitable for effective curing of most resins on the market.



▼ indicates: This photoinitiator can better absorb light at this wavelength range.
Note: The data comes from the official website of Ivoclar Vivadent.

UNPRECEDENTED CURING LIGHT

INCORPORATING VARIOUS STRENGTHS