

ONECURE™



# O-Star

WIDE-SPECTRUM CURING LIGHT

ULTIMATE CURING EXPERT



All-Metal Body

1 Sec Curing

Built-in Light Meter

Uniform and Collimated Beam

7 Modes in Total

ONECURE™

ONECURE™

## WOODPECKER Curing Light

16 years of professional technology

38 national patents

Global sales over 1.5 million units

Pioneering Curing Light expert in China



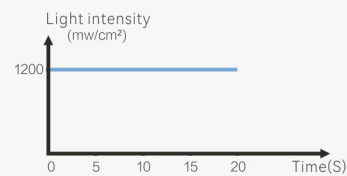
## SMALL BUT POWERFUL MAKING A BIG DIFFERENCE

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

# 7 MODES TO FULLY MEET A VARIETY OF CLINICAL NEEDS

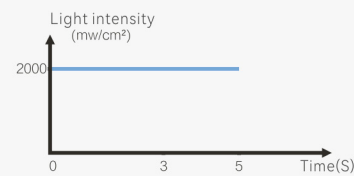
Like an all star, O-Star is strong in performance, well-controlled and can fully meet various clinical needs.

Normal High Turbo Ortho Soft Pulse Check



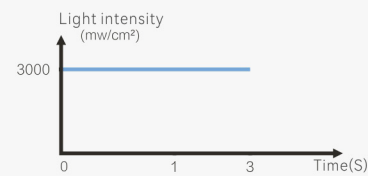
## Normal Mode

Constant light intensity:  
1000-1200mw/cm<sup>2</sup>  
Suitable for most treatment scenarios,  
such as fillings, restorations, etc.  
Time setting: 5s, 10s, 15s, 20s



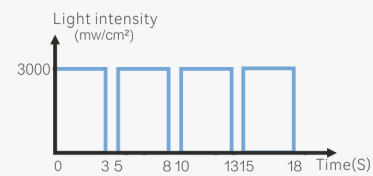
## High Mode

Constant light intensity:  
1800-2000 mw/cm<sup>2</sup>  
Suitable for quick curing,  
ensuring enough curing depth  
Time setting: 3s, 5s



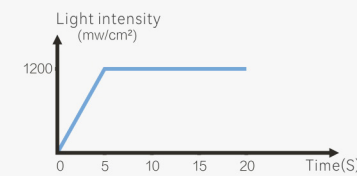
## Turbo Mode

Time setting: 1s, 3s  
2700-3000mw/cm<sup>2</sup>  
Ultra-high light intensity enables  
1 sec curing of 2mm resin.



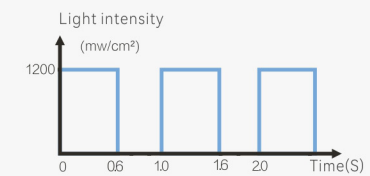
## Ortho Mode

Time setting: 3s\*5, 3s\*10  
2700-3000mw/cm<sup>2</sup>  
High light intensity with  
strong penetrability,  
especially suitable for  
orthodontic bracket bonding



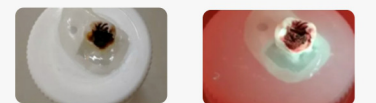
## Soft Mode

Light intensity is gradually increased  
from 0 to 1200mw/cm<sup>2</sup>  
Time setting: 5s, 10s, 15s, 20s  
Effectively reduce the  
shrinkage rate of resin;  
Lower the risk of microleakage



## Pulse Mode

The LED will stop for 0.4s at an  
interval of 0.6s 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



## 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

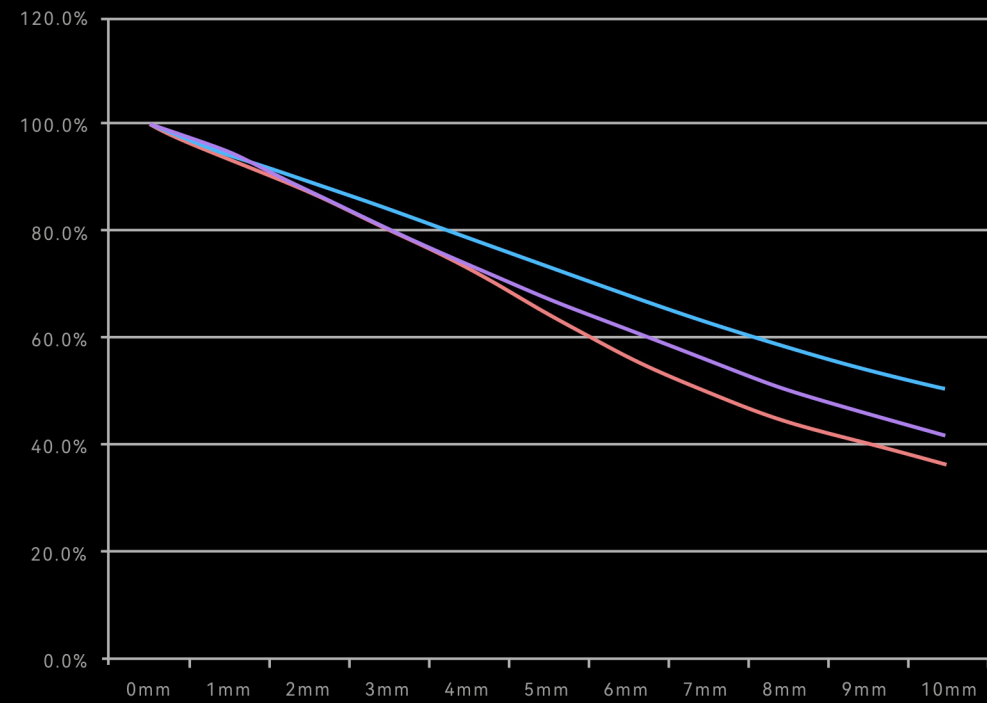
More-focused light output thanks to light angle of only 15.8°, ensuring good deep curing effect.

Curing distance (cm)	Light source	Light spot length (cm)	Light spot width (cm)	Light spot area (mm <sup>2</sup> )	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

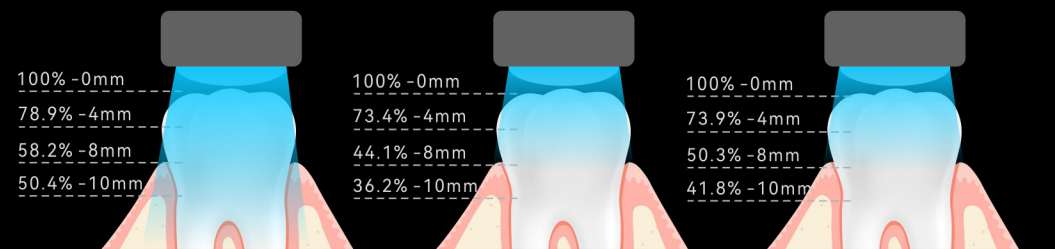
The light intensity of Curing Light will be reduced when the curing distance increases. Compared to other Curing Lights, O-Star undergoes less light loss.



O-Star

VALO Cordless

Bluephase PowerCure



O-Star

VALO Cordless

Bluephase PowerCure



## LIGHT INTENSITY UP TO 3000 MW/cm<sup>2</sup>

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/cm<sup>2</sup>, bringing you full confidence in curing



## CHARGING BASE WITH BUILT-IN LIGHT METER

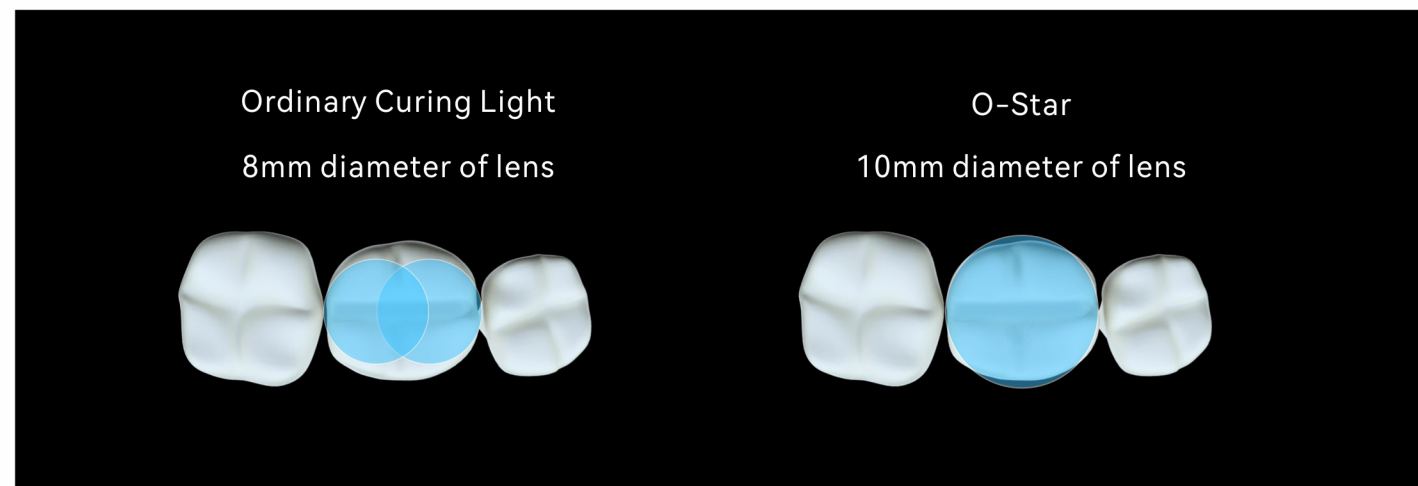
There is a light meter built in the charging base.  
Accurate light intensity is required for efficient polymerization of the resin,  
bringing you and your patients the best treatment experience.





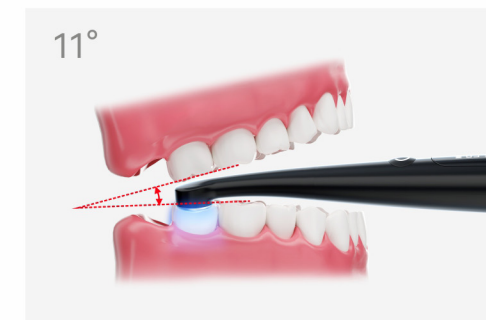
**SIMPLE TWO-BUTTON DESIGN ENABLES EASY OPERATION.**

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

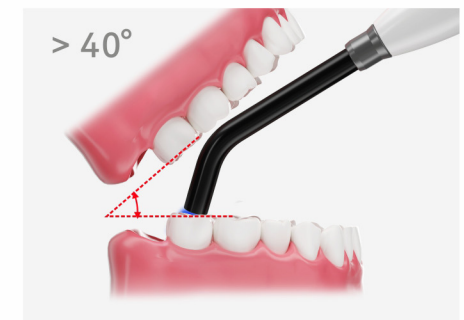


### 360° ROTATABLE HEAD MEETING VARIOUS CLINICAL NEEDS

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.



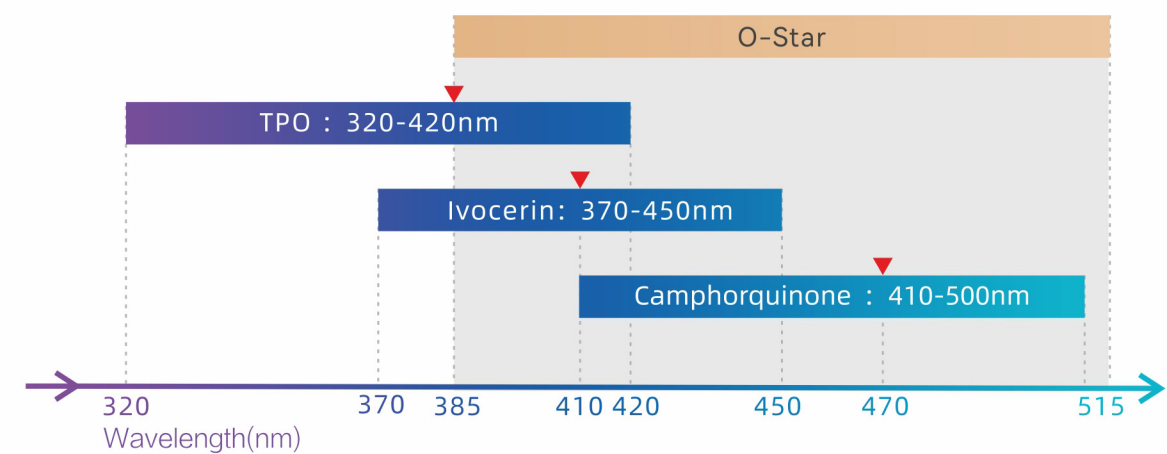
O-Star



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 385-515nm. 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

