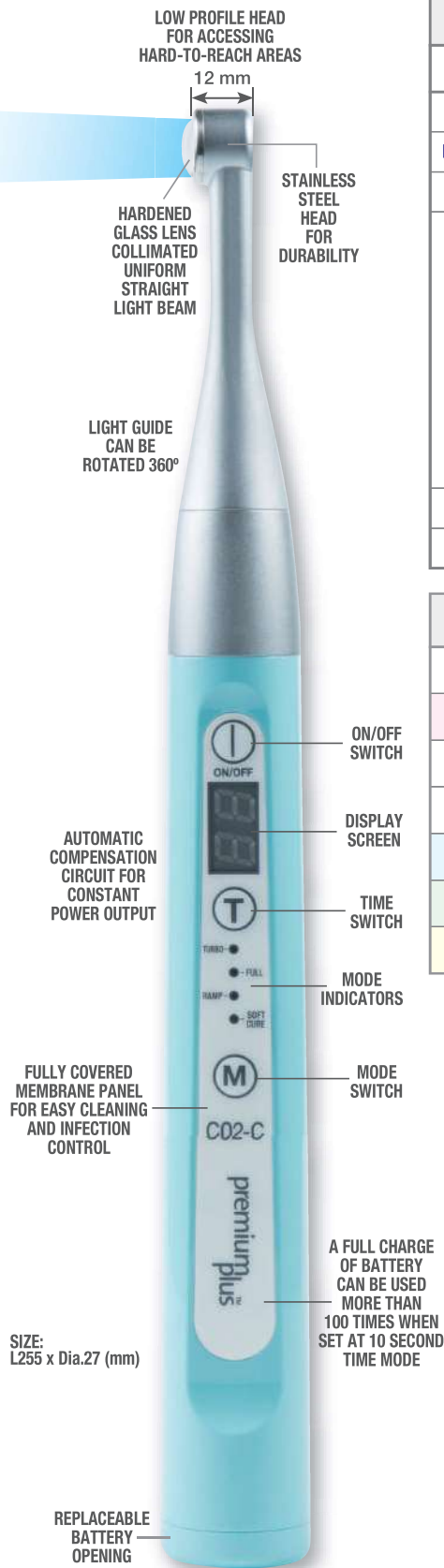
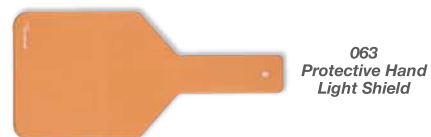


C02 LED CURING LIGHTS 90° right angle direct light source head



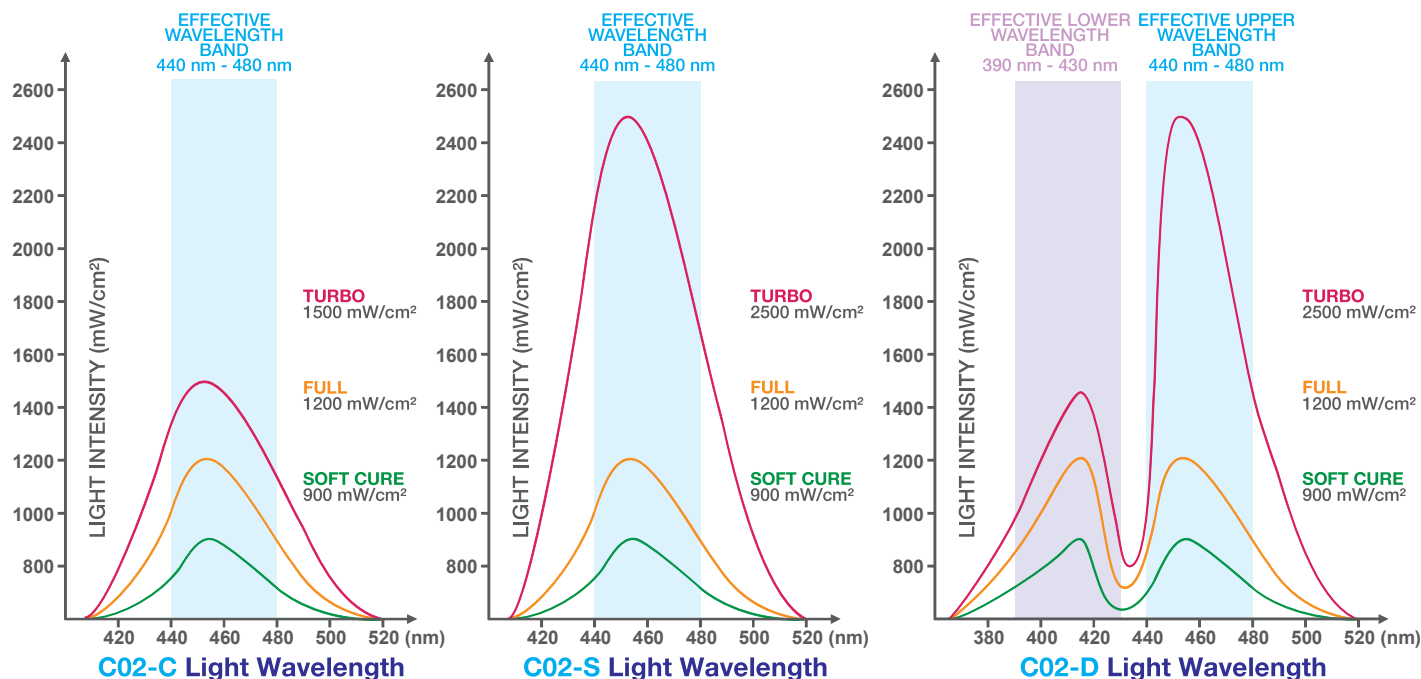
C02 SPECIFICATIONS			
Model	C02-C (classic)	C02-S (super power)	C02-D (dual range)
DIRECT LIGHT HEAD	10 mm (dia.)		
LIGHT WAVELENGTH	440~480 nm	440~480 nm	390~430 nm 440~480 nm
APPLICATION	General	Ortho / General	General / Ortho
MODE	TACK	N/A	900 mW/cm ² for 1 second±10%
	TURBO	1,500 mW/cm ² for 5 seconds ±10%	2,500 mW/cm ² for 3 seconds±10%
	3' + 3'	N/A	2,000 mW/cm ² for 3 + 3 seconds±10% (with 1 second blink in between)
	6' + 6'	N/A	1,500 mW/cm ² for 6 + 6 seconds±10% (with 1 second blink in between)
	FULL	1,200 mW/cm ² for 5, 10, 15, 20 seconds±10%	
	RAMP	1 st five seconds from 0~1,200 mW/cm ² next 5, 10, 15, 20 seconds 1,200 mW/cm ² ±10%	
	SOFT CURE	1 st five seconds from 0~900 mW/cm ² next 5, 10, 15, 20, 25 seconds 900 mW/cm ² ±10%	
WEIGHT	185 gms	185 gms	185 gms
LENGTH	255 mm	255 mm	255 mm

CURING LIGHT MODE APPLICATIONS	
TACK	Tack cure, a very short initial curing for temporary processing before final cure. For example, veneer bonding or temporary cement for in-position and easy removal of excess material.
TURBO	Super fast curing for resin and composite under 2 mm thickness. Also recommended for ceramic brackets, veneer bonding etc.
3' + 3'	3 Seconds Mesial + 3 Seconds Distal for metal brackets resin bonding. (with 1 second blink in between)
6' + 6'	6 Seconds Mesial + 6 Seconds Distal for metal brackets with bonding resin requiring more curing time, and buccal tubes bonding. (with 1 second blink in between)
FULL	For general applications.
RAMP	With first 0-5 seconds ramping for general application.
SOFT CURE	With first 0-5 seconds ramping for more gentle processing, designed for the patients sensitive to the heat.



C02-C (Classic) Curing Light with 10 mm Light Head
 C02-S (Super Power) Curing Light with 10 mm Light Head
 C02-D (Dual Range) Curing Light with 10 mm Light Head
 C02-C-1 (Classic) Direct Light Source Head
 C02-S-1 (Super Power) Direct Light Source Head
 C02-D-1 (Dual Range) Direct Light Source Head
 C01/2-1 Replacement Battery
 C02-3 Heat Protect Rings, 6 pcs/pack
 C02-4 Tack Heat Protective Rings, 6 pcs/pack
 125 Light Sleeves (for C02-C/S/D) 500 pcs/box

24 MONTH WARRANTY



C02-C / C02-S / C02-D CURING LIGHT DEPTH OF CURE

MODEL	C02-C (classic) Curing Time	Depth Measurements	ISO 4049 Depth Measurements (~50%)	C02-S (super power) Curing Time	Depth Measurements	ISO 4049 Depth Measurements (~50%)	C02-D (dual range) Curing Time	Depth Measurements	ISO 4049 Depth Measurements (~50%)
TURBO	5 seconds	4.4 mm	2.20 mm	3 seconds	4.6 mm	2.30 mm	3 seconds	4.5 mm	2.25 mm
FULL	10 seconds	5.1 mm	2.55 mm	10 seconds	5.3 mm	2.65 mm	10 seconds	5.2 mm	2.60 mm
RAMP	10 seconds	4.8 mm	2.40 mm	10 seconds	5.3 mm	2.65 mm	10 seconds	4.9 mm	2.45 mm
SOFT CURE	15 seconds	5.0 mm	2.50 mm	15 seconds	5.4 mm	2.70 mm	15 seconds	5.1 mm	2.55 mm

REMARKS: Above data is based on test results using an A2 shade composite. The light tip was placed above and pointed perpendicular to the composite. Tests were done as per ISO 4049 Standard. The samples were measured and the data was divided by two (50% of the total composite depth cured). ISO 4049 Standard requires that the results for class II restorative materials should be at least 1.5 mm for non-opaque shades and 1.0 mm for opaque shades. All resins and composites have different curing times. It is strongly recommended that you should test your composite and resin performance to determine the curing times required.

Data is only for reference, always follow the instructions from your resin and composite manufacturers.

- There are many variables (distance and angle between the light tip and composite, area, shade, thickness and type etc.) affecting composite curing times. It is recommended to place and cure a maximum of 2 mm for each composite placement.
- Using a barrier sleeve on the curing light will reduce 5-10% of light intensity.
- The light tip should be placed approximately 1-2 mm above the composite or resin and pointed perpendicular to the tooth surface.
- High intensity curing lights produce more heat. This is a direct indication of the power of the light being emitted. When using the device for more than 10 seconds, do not keep the light tip in one position. It is always recommended to use a dental syringe to blow a cold air flow on the area during long periods of curing. This will maintain a lower temperature for the composite and surrounding area, particularly when using rubber dam so as to avoid any rubber dam breakage due to heat built-up.
- Do not expose soft tissue to the light being emitted for more than 2 seconds or burns may occur.
- Avoid the light tip coming into contact with any soft tissue in the mouth. As an option, you may cover the entire curing light with a disposable sleeve and then place the Heat Protective Ring (included inside the packing box) onto the light tip covered with sleeve as shown below. Ensure the Heat Protective Ring is securely positioned on the curing light before starting the cure.

10 colours
available:

