



# CBL2

## Cryo Broadlight™ 2

ADVANCED INTENSE PULSED LIGHT FOR SKIN TREATMENT

## TREATMENT PROTOCOLS

### INTRODUCTION

- ✦ CBL Photo Rejuvenation treatment treats skin damage non-invasively, that is, without disrupting the external layer of skin (the epidermis). It is a simple procedure that takes around 30 minutes (depending on the size of the area to be treated).
- ✦ CBL works by penetrating deep into the skin with intense pulses of light. Cryo Broadlight uses a series of filters, depending on the target. These promote very accurate treatment and also help to minimise treatment duration.
- ✦ CBL2 also has a range of spot tips that enable specific and accurate treatment of blemishes.
- ✦ The benefits of CBL treatment occur gradually in the weeks after the treatment.

The Cryo Broadlight System (CBL2) uses the latest advances in light treatment technology for skin photo rejuvenation pigmentation treatment and hair reduction treatment. It is ideal for treating several skin types and skin problems, including sun-damaged skin, dark circles under the eyes, and fine wrinkles. Its multi-spot tips ensure accurate and customised treatment of all blemishes. This results in highly efficient treatment that is tailored to patients' specific needs.

### CBL GENESIS (GP)

Notes:

- ✦ Use GP with room temperature gel
- ✦ Perform up to 2 passes
- ✦ With IPL, the shorter the pulse width, the more aggressive the treatment

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	FLUENCE (J/cm2)	COOLING (C)
1-3	585 only	20	8 – 10	20

### CBL ACNE

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	FLUENCE (J/cm2)	COOLING (C)
1-3	430	15 – 20	8 – 12	14

## PIGMENT

Two or more treatment sessions are normally required.

Treatments should be spaced at least four weeks apart.

Notes:

- ✿ IPL works best for types 1, 2 or 3 skin (darker skin types typically require a greater number of treatment sessions using LOWER fluence).
- ✿ Always perform a test patch and **wait a minimum of 20 minutes** to check the reaction.
- ✿ Check previous post-treatment effects before increasing Fluence.
- ✿ Type 3 and darker skin types can use the 560 filter.
- ✿ Works best for lentigines, but can be useful for fair-skin superficial melasma.
- ✿ Reduce energy by 20% when treating the forehead.
- ✿ General principles for pigment treatment:
  - > Type 2: 515nm
  - > Type 3: 560nm
  - > 15ms for body areas (off face needs to be a little more gentle as healing times are slower)
  - > 10ms on face (a little more aggressive)

### SINGLE PULSE

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	FLUENCE (J/cm2)	COOLING (C)
1-2	515	10	12 – 15	15
3	515	15	12 – 15	15
3	560	15	12 – 15	15
4	585	20	10 – 14	10

### DOUBLE PULSE

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	PULSE DELAY (ms)	FLUENCE (J/cm2)	COOLING (C)
1-2	515	7	20	12 – 15	15 – 20
3	515	10	20	12 – 15	15
3	560	10	20	14 – 16	15
4	585	12	20	10 – 14	10

### TRIPLE PULSE

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	PULSE DELAY (ms)	FLUENCE (J/cm2)	COOLING (C)
1-2	515	5	20	10 – 15	15 – 20
3	515	7	20	10 – 15	15
3	560	7	20	14 – 16	15
4	585	10	20	10 – 14	10

# ROSACEA

Between 3 and 6 treatment sessions are required, with 2-4 weeks between treatments.

Notes:

- First treatment: start with a longer pulse width.
- Always perform a test patch and wait **a minimum of 20 minutes** to check the reaction.
- Make sure the patient has not had any tanning (sunlight or artificial tanning) for one month prior to treatment. Also, the patient should avoid any tanning for the duration of treatment.
- Usually a single pass is sufficient.
- Reduce the energy by 20% when treating the forehead.
- For vessels:
  - > 560nm and 15ms: the larger the vessel, the longer the pulse duration (milliseconds).
  - > The first treatment should be set at 20ms, as it will target the larger vessels.

## SINGLE PULSE

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	FLUENCE (J/cm2)	COOLING (C)
1-2	560	1st: 20; 2nd: 15; 3rd: 10	16	15
3	560	1st: 20; 2nd: 15; 3rd: 10	14 – 16	15
4	585	20	10 – 14	10

## DOUBLE PULSE

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	PULSE DELAY (ms)	FLUENCE (J/cm2)	COOLING (C)
1-2	560	1st: 15; 2nd: 10; 3rd: 6	20	16	15
3	560	1st: 15; 2nd: 10; 3rd: 6	20	14 – 16	15
4	585	12	20	10 – 14	10

## TRIPLE PULSE

SKINTYPE	FILTER (nm)	PULSE WIDTH (ms)	PULSE DELAY (ms)	FLUENCE (J/cm2)	COOLING (C)
1-3	560	1st: 12; 2nd: 8; 3rd: 5	20	16	15
3	560	1st: 12; 2nd: 8; 3rd: 5	20	14 – 16	15
4	585	8	20	10 – 14	10

# CBL HAIR REDUCTION

## SINGLE PULSE

SKIN TYPE	FILTER (nm)	PULSE WIDTH (ms)	FLUENCE (J/cm <sup>2</sup> )		
			DARK HAIR (J/cm <sup>2</sup> )	MEDIUM HAIR (J/cm <sup>2</sup> )	LIGHT HAIR (J/cm <sup>2</sup> )
1 – 2	640	12 – 16	5 – 10	7 – 15	10 – 20
3 – 4	700	16 – 20	5 – 10	7 – 15	10 – 20

## DOUBLE PULSE

SKIN TYPE	FILTER (nm)	PULSE WIDTH (ms)	PULSE DELAY (ms)	FLUENCE (J/cm <sup>2</sup> )		
				DARK HAIR (J/cm <sup>2</sup> )	MEDIUM HAIR (J/cm <sup>2</sup> )	LIGHT HAIR (J/cm <sup>2</sup> )
1 – 2	640	8 – 10	20	5 – 10	7 – 15	10 – 20
3 – 4	700	10 – 12	20	5 – 10	7 – 15	10 – 20

## TRIPLE PULSE

SKIN TYPE	FILTER (nm)	PULSE WIDTH (ms)	PULSE DELAY (ms)	FLUENCE (J/cm <sup>2</sup> )		
				DARK HAIR (J/cm <sup>2</sup> )	MEDIUM HAIR (J/cm <sup>2</sup> )	LIGHT HAIR (J/cm <sup>2</sup> )
1 – 2	640	6 – 8	20	5 – 10	7 – 15	10 – 20
3 – 4	700	8 – 10	20	5 – 10	7 – 15	10 – 20