

**Palomar  
Pulsed Light  
and Laser  
System**

**SERIES**



## STARLUX SYSTEM TREATMENT GUIDE

Prior to using your Palomar StarLux™ Pulsed Light and Laser System, please read and understand the Operator's Manual.

This guide is meant to provide general clinical information. It is not meant to be a substitute for the Operator's Manual or to supersede good clinical judgment.

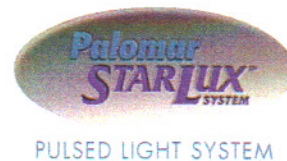
For additional clinical help, please call  
1-800-PALOMAR (725-6627).



**Palomar**



# Family of Specialized Handpieces with **contact cooling** for the **Palomar StarLux System\*\***



**LUX Y**  
HANDPIECE



Actual Spot Size

**Fastest available hair removal for large body areas, plus pigmented lesion treatment.**

|            |  |
|------------|--|
| Wavelength | 525-1200 nm  |
| Spot Size  | 16 mm x 46 mm  |
| Fluence*   | Up to 35 J/cm <sup>2</sup>   |
| Pulsewidth | 1 - 500 ms   |
| Speed      | Up to 2 Hz (Pulse Rate)<br>Up to 15 cm <sup>2</sup> /sec (Coverage Rate) |

**LUX G**  
HANDPIECE



Actual Spot Size

**Unparalleled RejuveLux™ treatments remove pigmented and vascular lesions for rejuvenated skin tone and texture.**

|            |                            |
|------------|----------------------------|
| Wavelength | 500 - 670 & 870 - 1400 nm  |
| Spot Size  | 10 mm x 15 mm              |
| Fluence*   | Up to 50 J/cm <sup>2</sup> |
| Pulsewidth | 1 - 500 ms                 |
| Speed      | Up to 2 Hz (Pulse Rate)    |

**LUX R**  
HANDPIECE



Actual Spot Size

**Fastest available hair removal for all skin types, from the fairest to the darkest, including tans.**

|            |  |
|------------|--|
| Wavelength | 650-1200 nm  |
| Spot Size  | 16 mm x 46 mm  |
| Fluence*   | Up to 28 J/cm <sup>2</sup>   |
| Pulsewidth | 5 - 500 ms   |
| Speed      | Up to 2 Hz (Pulse Rate)<br>Up to 15 cm <sup>2</sup> /sec (Coverage Rate) |

**LUX V**  
HANDPIECE



Actual Spot Size

**Fast, effective treatment of mild to moderate acne\*\* and pigmented lesions.**

|            |  |
|------------|--|
| Wavelength | 400 - 700 & 870 - 1200 nm  |
| Spot Size  | 16 mm x 46 mm  |
| Fluence*   | Up to 30 J/cm <sup>2</sup>   |
| Pulsewidth | 1 - 500 ms   |
| Speed      | Up to 2 Hz (Pulse Rate)<br>Up to 15 cm <sup>2</sup> /sec (Coverage Rate) |

**LUX R<sup>S</sup>**  
HANDPIECE

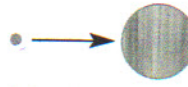


Actual Spot Size

**Ultra-concentrated power offers faster permanent hair reduction on all skin types.**

|            |                            |
|------------|----------------------------|
| Wavelength | 650-1200 nm                |
| Spot Size  | 12 mm x 28 mm              |
| Fluence*   | Up to 50 J/cm <sup>2</sup> |
| Pulsewidth | 5 - 500 ms                 |
| Speed      | Up to 2 Hz (Pulse Rate)    |

**LUX** HANDPIECE  
**1064**



1.5 - 10 mm spot size

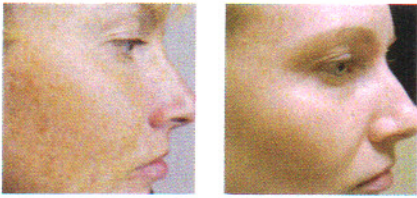
**Long Pulse YAG laser\*\* treats visible leg veins and other vascular conditions (includes multiple spot sizes).**

|            |                             |
|------------|-----------------------------|
| Wavelength | 1064 nm                     |
| Spot Size  | 1.5 to 10 mm adjustable     |
| Fluence    | Up to 700 J/cm <sup>2</sup> |
| Pulsewidth | 1 - 200 ms                  |
| Speed      | Up to 2 Hz (Pulse Rate)     |



\* Effective fluence is much higher due to photon recycling, wide spectrum, spot size and skin contact.  
\*\* Pending FDA clearance.





Before

After



Before

After

## LUXG™ PULSED LIGHT HANDPIECE

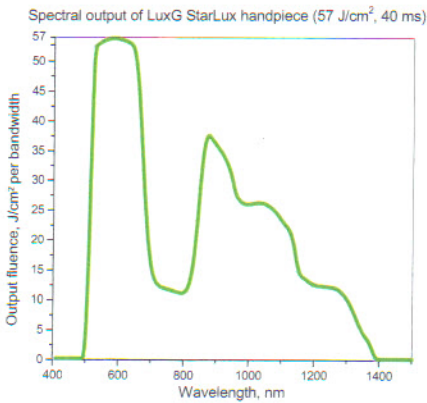
Unparalleled RejuveLux™ photofacials treat vascular and pigmented lesions for rejuvenated skin appearance.

### APPLICATIONS

- RejuveLux™ Photofacials
- Pigmented Lesions
- Vascular Lesions

### LUXG™ TECHNICAL SPECIFICATIONS

|                 |                              |
|-----------------|------------------------------|
| Wavelength      | 500 - 670 nm & 870 - 1400 nm |
| Spot Size       | 10 x 15 mm                   |
| Maximum Fluence | 57 J/cm <sup>2</sup>         |
| Pulsewidth      | 1 - 500 ms                   |
| Maximum Speed   | 2 Hz (Pulse Rate)            |



*"The StarLux's beam profile, photon recycling and integrated sapphire cooling allow clearance of vessels previously unattainable even with the most sophisticated lasers and light sources, with fewer treatments, minimal down time, greater safety and maximal patient comfort. The larger spot sizes, contact with the skin and portability make it an ideal ergonomic unit for photorejuvenation and its enhanced applications."*

Vic Narurkar, MD  
Director, Bay Area Laser Institute  
Assistant Clinical Professor of Dermatology,  
UC Davis Medical School  
San Francisco, CA



**LUXG™**  
HANDPIECE



## IPL INFORMATION AND SCREENING

### IPL Therapy (brief description)

Intense Pulsed Light (IPL) Therapy is similar to laser therapy but it is safer for the skin, treatment sessions are shorter (more surface space is covered with each pulse), it is more comfortable (topical anesthetics are NOT necessary) and it is more versatile (we can treat unwanted hair, pigment and facial vessels in the same session).

We use the Palomar Starlux IPL System, which is one of the most effective and technologically advanced pulsed light systems available today.

### Treatments available for unwanted:

- **Hair** of any body site: FDA approved for permanent hair reduction, even on tanned skin.
- **Vascular Lesions** of the face or upper body: such as spider like vessels on the face, vessels around the nostrils, increased redness of the cheeks and nose, pinpoint vascular lesions.
- **Flat Pigmented Lesions** of the face and body: such as sun spots and freckles.
- **PhotoFacials**: To improve overall skin tone and texture.

### Treatment intervals and average number of sessions:

- **Hair**: Face = 4 week int. / Body = 6-8 week int.      6-8 sessions generally required
- **Vascular**: Visible vessels = 1-2 week intervals      2-3 sessions generally required  
Generalized redness (rosacea) = 1-2 week int.      4-6 sessions generally required
- **Pigment**: All Areas = 4 week intervals      3-4 sessions generally required

### Do NOT schedule patients that are / have:

- Pregnant (may be scheduled 3 months postpartum)
- Active Herpes lesions in the area to be treated (may schedule 4 wks. after lesion clears)
- Open wounds or sores in the area to be treated (excluding acne or ingrown hair follicles)
- Raised or irregular pigmented lesions in the area to be treated ( Instruct the patient to schedule an appointment with their Primary Care Physician or Dermatologist to receive medical clearance of any pigmented lesion that is not flat or lightly pigmented prior to the IPL treatment)

### General Pre-Treatment Instructions:

- Ask NP's to arrive 15 min. early to fill out paperwork
- Area to be treated should be free of cosmetics
- No exfoliants or glycolic acids for at least 1 week prior to treatment, in area to be treated
- If prone to Herpes I or II instruct patient to contact their PCP for a prophylactic antiviral script prior to treatment
- If prone to seizures instruct patient to contact their Neurologist for medical clearance.
- **Hair** - NO tweezing or waxing for **4 weeks prior** to treatment (may shave during this time)  
- Protected sun exposure using SPF 30 sun screen for **2 weeks before and after tx.**
- **Pigment / Vascular** – NO sun bathing or tanning beds for 4 weeks prior to treatment  
- NO self tanning creams for 2 weeks prior to treatment
- **Vascular** - NO ASA, Advil, Motrin, etc... 1 week prior to and after treatment.



## Pigmented Lesion Guidelines

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction)
- These parameters are tested on **untanned skin**
- Pigment should be treated only until there is a very slight color change –treatments using longer pulsewidths produce delayed darkening in 10-15 minutes
- Long pulsewidths may produce more profound redness/erythema which usually resolves in 10-15min.
- If considering a second pass over pigmentation allow ample time to evaluate skin response from the first pass.
- Photodamage on suntanned/darker skin can be treated using long pulse durations, **i.e.** 200ms pulse
- Treatment ranges are based on the degree of abnormal pigmentation/redness – for more pronounced pigment/redness, start with lower treatment settings; as the pigment/redness lessens you can increase the fluence for following treatments.
- For lighter pigmentation use the higher treatment range whereas for darker pigmentation start at the lower treatment range.



**Pigmented Lesion Treatment Guidelines  
USING SHORT PULSE DURATIONS**

| TARGET          | SKIN TYPE | HANDPIECE   | SETTING                  |
|-----------------|-----------|-------------|--------------------------|
|                 |           |             | J/cm <sup>2</sup> @ 20ms |
| Face/Arms/Body  | I – II    | <b>LuxY</b> | 24-27                    |
|                 | III       |             | 21-27                    |
|                 | IV        |             | 15-24                    |
| Chest/Neck/Legs | I-II      | <b>LuxY</b> | 18-24                    |
|                 | III       |             | 15-24                    |
|                 | IV        |             | 15-21                    |
| Face/Arms/Body  | I – II    | <b>LuxG</b> | 28-36                    |
|                 | III       |             | 26-32                    |
|                 | IV        |             | 18-26                    |
| Chest/Neck/Legs | I – II    | <b>LuxG</b> | 24-38                    |
|                 | III       |             | 26-34                    |
|                 | IV        |             | 18-24                    |

**PIGMENTED LESIONS Treatment Guidelines  
USING LONG PULSE DURATIONS**

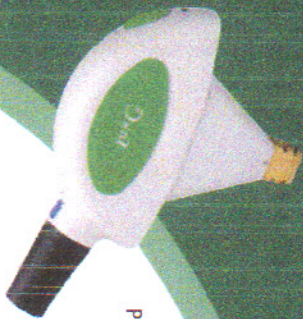
| TARGET          | SKIN TYPE | HANDPIECE   | SETTING           |            |          |
|-----------------|-----------|-------------|-------------------|------------|----------|
|                 |           |             | J/cm <sup>2</sup> | pulsewidth | # passes |
| Face/Arms/Body  | I – III   | <b>LuxY</b> | 30-35             | 100        | 1-2      |
|                 | IV        |             | 25-30             | 100        | 1-2      |
|                 | IV        |             | 30-35             | <b>200</b> | 1-2      |
| Chest/Neck/Legs | I-III     | <b>LuxY</b> | 25-30             | 100        | 1-2      |
|                 | IV        |             | 20-25             | 100        | 1-2      |
|                 | IV        |             | 25-30             | <b>200</b> | 1-2      |
| Face/Arms/Body  | I – II    | <b>LuxG</b> | 40-50             | 100        | 1-2      |
|                 | III       |             | 32-48             | 100        | 1-2      |
|                 | IV        |             | 32-42             | 100        | 1        |
| Chest/Neck/Legs | I – II    | <b>LuxG</b> | 36-42             | 100        | 1-2      |
|                 | III       |             | 34-42             | 100        | 1-2      |
|                 | IV        |             | 32-42             | 100        | 1-2      |
|                 | IV        |             | 30-45             | <b>200</b> | 1-2      |



# Palomar LuxG™

## Skin Types I – IV

These charts list a sampling of recommended settings to be used in treating each skin type.



### Vascular Lesion Treatment Settings\*

| Skin Type                   | Target   | Setting<br>J/cm <sup>2</sup> pulsewidth                  |
|-----------------------------|--|--|
| USING SHORT PULSE DURATIONS |  |  |
| I - II<br>III<br>IV         | Red facial vessels > 0.3mm                                       | 30-42 20<br>28-38 20<br>22-32 20                         |
| I - III<br>IV               | Red facial vessels < 0.3mm                                       | 28-36 10<br>22-28 10                                     |
| I - III                     | Rosacea<br>if skin can tolerate second pass use →                | 28-36 10<br>17-20 5                                      |
| I - II                      | Resistant Alar Vessels   | 40-46 20   |
| I - II<br>III<br>IV         | Red Chest & Neck Vessels<br>(short pulses are for finer vessels) | 26-36 20<br>24-30 10<br>22-32 20<br>22-28 10<br>22-28 20 |

\* Finer vessels may require the shorter pulse durations (skin type I-III may require 10ms setting)

| Skin Type                  | Target              | Setting<br>J/cm <sup>2</sup> pulsewidth |
|----------------------------|---------------------|---|
| USING LONG PULSE DURATIONS |                     |   |
| I - II<br>III              | Blue facial vessels | 46-60 100<br>36-48 100                  |

# Palomar LuxG™ Treatment Guide

## Skin Types I – IV

### Important Precautions

- The treatment provider and client must wear protective eyewear during treatments.
- All pigmented lesions must be examined by a physician prior to treatment.
- These parameters were tested on untanned skin.

### Vascular Lesion Treatment Guidelines

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction).
- The Higher Settings were based on the use of Humatrix®.
- Apply a thin layer of Palomar LuxLotion™ or Humatrix® Gel to clean, dry skin.
- When treating a single vessel on otherwise clear skin higher treatment settings may be tolerated.
- Use the LuxG handpiece mask to isolate single vessels.
- With excessive amounts of abnormal pigment/redness use a lower setting.
- In the presence of other pathology (generalized redness, pigmentary changes, etc.) start at the lower settings and move up, continually evaluating skin condition and side effects.
- Larger red facial vessels can also be treated with longer pulses (30-100ms) to achieve vasoconstriction in addition to color change of the vessels. Strong erythema (redness) over the vessel should serve as a clinical endpoint for the procedure. Continuing treatment will lead to severe skin damage.
- When treating over thin skin, like the orbital rim or mandible area, use a lower setting.
- Clinical endpoints are a change in vessel color and/or vessel constriction.
- 1-3 treatments may be necessary 7-14 days apart.
- Schedule a follow-up appointment for evaluation.

### RejuveLux™ Treatment Process

The goal of this process is to improve the dyschromia of skin. Because we are treating both pigment and vessels, settings may need to be lowered to optimize safety when treating two chromophores simultaneously. Where there is an abundance of pigment and vessels, as with a large treatment area, consider treating and reducing pigment first. This will allow more aggressive treatment of the vessels on subsequent treatments.

LUXG

LUXG  
OPTICAL  
THERAPEUTICS

LUXG



# StarLux

## Recommended Treatment Settings

### Vascular Treatment Guidelines USING SHORT PULSE DURATIONS

| TARGET  | SKIN TYPE | HANDPIECE | SETTING<br>J/cm2 @20ms |
|---|-----------|-----------|------------------------|
| Red facial vessels<br>Rosacea/facial flushing | I – II    | LuxG      | 30-38                  |
|   | III       |           | 22-36                  |
|   | IV        |           | 18-30                  |
| Red chest/neck vessels                        | I – II    | LuxG      | 24-34                  |
|   | III       |           | 22-30                  |
|   | IV        |           | 18-24                  |

| TARGET              | SKIN TYPE | HANDPIECE | SETTING<br>J/cm2 @ 100ms |
|---------------------|-----------|-----------|--------------------------|
| Blue facial vessels | I – II    | Lux G     | 40-50                    |
|                     | III       |           | 30-42                    |

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction)
- These parameters are tested on **untanned skin**
- Larger red facial vessels can also be treated with longer pulses (30-100ms) to achieve vasoconstriction in addition to color change of the vessels. Strong erythema (redness) over the vessel should serve as a clinical endpoint for the procedure – continuing treatment will lead to severe skin damage.
- In the presence of other pathology (generalized redness, pigmentary changes, etc.) start at the lower settings and move up continually evaluating skin condition and side effects.
- With excessive amounts of abnormal pigment/redness use a lower setting
- When treating a single vessel on otherwise clear skin higher treatment settings may be tolerated.



# Palomar LuxV™

Skin Types I – V

These charts list a sampling of recommended settings to be used in treating each skin type.

# Palomar LuxV™ Treatment Guide

Skin Types I – V

### Important Precautions

- The treatment provider and client must wear protective eyewear during treatments.
- Ensure that client is free of any systemic or dermatological diseases, other than acne vulgaris, that would interfere with the light exposure results or increase the risk of adverse reactions.
- All pigmented lesions must be examined by a physician prior to treatment.
- Do not treat *tanned skin* (caused by the sun, tanning bed or self-tanner).
- These parameters were tested on untanned skin.

### Acne Treatment Guidelines

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction).
- Apply a thin layer of Palomar LuxLotion™ to clean, dry skin.
- Consider both skin-tolerance and level-of-discomfort.
- Moderate erythema should serve as a clinical end point for the treatment. If the treated area is moderately erythematous after 2 passes, that should indicate the end of the treatment.
- The acne blemishes will fade over the next 2-3 weeks. Some clients will experience an initial flare-up, similar to the kind seen after some peel procedures.

Acne treatment requires 8 procedures on average performed either once a week for 8 weeks or once every 2 weeks. In case of resistant acne a patient may require maintenance treatments at 3-6 month intervals to keep acne under control.

### Pigmented Lesion Treatment Guidelines

- The visible response is somewhat delayed with LuxV.  
(Please see additional guidelines for Pigmented Lesions under LuxV—see yellow tab.)

### Acne Treatment Settings

| Skin Type | Target        | J/cm <sup>2</sup> | Setting | pulsewidth |
|-----------|---------------|-------------------|---------|------------|
| I - II    | Face and Body | 10-20             | 100     | 100        |
| I - III   |               | 10-15             | 40      | 40         |
| I - III   |               | 10-15             | 60      | 60         |
| III - IV  |               | 10-15             | 100     | 100        |
| V         |               | 10                | 100     | 100        |

### Pigmented Lesion Treatment Settings

| Skin Type                 | Target          | J/cm <sup>2</sup> | Setting | pulsewidth |
|---------------------------|-----------------|-------------------|---------|------------|
| I - II<br>Light Pigment   | Face/Arms/Body  | 14-18             | 20      | 20         |
|                           | Chest/Neck/Legs | 12-18             | 20      | 20         |
| I - III<br>Medium Pigment | Face/Arms/Body  | 15-20             | 40      | 40         |
|                           | Chest/Neck/Legs | 10-20             | 40      | 40         |
| I - III<br>Severe Pigment | Face/Arms/Body  | 20                | 60-100  | 100        |
|                           | Chest/Neck/Legs | 15-20             | 100     | 100        |
| IV                        | All Areas       | 10-15             | 100     | 100        |
| I - IV                    | All Areas       | 25                | 200     | 200        |

LuxV

LuxV  
PROFESSIONAL

LuxV



## ACNE TREATMENT GUIDELINES

| TARGET        | SKIN TYPE | HANDPIECE   | SETTING                             |
|---------------|-----------|-------------|-------------------------------------|
| Face and Body | I – II    | <b>LuxV</b> | 10-20 j/cm <sup>2</sup> @ 100 ms    |
|               | I-III     |             | 10-15 j/cm <sup>2</sup> @ 40 & 60ms |
|               | III-V     |             | 10-15 j/cm <sup>2</sup> @ 100ms     |

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction)
- These parameters are tested on **untanned skin**

Acne treatment requires on average 8 procedures performed either once a week for 8 weeks or twice a week for 4 weeks. In case of resistant acne a patient may require maintenance treatments at 3—6 months interval to keep acne under control.



## **Hair Removal Guidelines**

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction)
- 
- Fluences should be decreased in areas with dense and/or coarse hair
- 
- Pulse Duration between 20 and 100ms can also be used however fluences must be adjusted accordingly
- 
- Follow up treatment intervals: Back:8-10weeks; Face: 2-4weeks; Bikini Line: 4-6weeks; Legs: 8-10 weeks; Arms/underarms: 4-6 weeks
- 
- In general, 5-8 treatments may be needed to achieve the desired results



# Palomar LuxRs™

## Skin Types I – VI

These charts list a sampling of recommended settings to be used in treating each skin type.

# Palomar LuxRs™ Treatment Guide

## Skin Types I – VI



### Hair Removal Treatment Settings

| Skin Type | Target        | USING SHORT PULSE DURATIONS |                    |
|-----------|---------------|-----------------------------|--------------------|
|           |               | J/cm <sup>2</sup>           | Setting pulsewidth |
| I - III   | Face and Body | 30-40                       | 20                 |
| IV        |               | 24-30                       | 20                 |
| V         |               | 18-26                       | 20                 |
| VI        |               | 8-16                        | 20                 |

| Skin Type | Target        | USING LONG PULSE DURATIONS |                    |
|-----------|---------------|----------------------------|--------------------|
|           |               | J/cm <sup>2</sup>          | Setting pulsewidth |
| I - III   | Face and Body | 30-70                      | 100                |
| IV        |               | 24-40                      | 100                |
| V         |               | 20-36                      | 100                |
| VI        |               | 20-30                      | 100                |

### Important Precautions

- The treatment provider and client must wear protective eyewear during treatments.
- For tanned skin (caused by the sun, tanning bed or self-tanner), see Operator's Manual.
- During hair removal, avoid treating over darkly pigmented lesions and tattoos.

### Hair Removal Treatment Guidelines

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction).
- Shave or closely clip the treatment area.
- Apply a thin layer of Palomar LuxLotion™ to clean, dry skin.
- Fluences should be decreased in areas with dense and/or coarse hair.
- Pulse Duration between 20 and 100ms can also be used. However, fluences must be adjusted accordingly.
- Longer pulsewidths at higher fluences may show a greater degree of permanence.
- Follow up treatment intervals: Back: 8-10 weeks; Face: 2-4 weeks; Bikini Line: 4-6 weeks; Legs: 8-10 weeks; Arms/underarms: 4-6 weeks.
- In general, 4-6 treatments may be needed to achieve the desired results.
- Schedule a follow-up appointment for evaluation.
- For finer, lighter colored hair, the Lux Y is the optimum choice.



## HAIR REMOVAL TREATMENT GUIDELINES USING SHORT PULSE DURATIONS

| TARGET                            | SKIN TYPE | HANDPIECE    | SETTING<br>J/cm <sup>2</sup> @ 20ms  |
|-----------------------------------|-----------|--------------|--------------------------------------|
| Face and Body                     | I – III   | <b>LuxRs</b> | 30-36                                |
|                                   | IV        |              | 24-30                                |
|                                   | V         |              | 18-27                                |
|                                   | VI        |              | 9-15                                 |
| Face and Body                     | I – III   | <b>LuxR</b>  | 12-18                                |
|                                   | IV        |              | 12-18                                |
|                                   | V         |              | 9-15                                 |
|                                   | VI        |              | 9-15                                 |
| <b>USING LONG PULSE DURATIONS</b> |           |              |                                      |
| TARGET                            | SKIN TYPE | HANDPIECE    | SETTINGS<br>J/cm <sup>2</sup> @100ms |
| Face and Body                     | I – III   | <b>LuxRs</b> | 30-50                                |
|                                   | IV        |              | 25-40                                |
|                                   | V         |              | 20-35                                |
|                                   | VI        |              | 10-25                                |
| Face and Body                     | I – III   | <b>LuxR</b>  | 20-30                                |
|                                   | IV        |              | 20-30                                |
|                                   | V         |              | 20-30                                |
|                                   | VI        |              | 20-30                                |

## USING SHORT PULSE DURATIONS

| TARGET                            | SKIN TYPE | HANDPIECE   | SETTING<br>J/cm <sup>2</sup> @ 20ms   |
|-----------------------------------|-----------|-------------|---------------------------------------|
| Face and Body                     | I – III   | <b>LuxY</b> | 21-27                                 |
|                                   | IV        |             | 15-21                                 |
| <b>USING LONG PULSE DURATIONS</b> |           |             |                                       |
| TARGET                            | SKIN TYPE | HANDPIECE   | SETTINGS<br>J/cm <sup>2</sup> @ 100ms |
| Face and Body                     | I – III   | <b>LuxY</b> | 25-35                                 |
|                                   | IV        |             | 20-30                                 |
|                                   | V         |             | 10-20                                 |



# Palomar LuxY™

## Skin Types I – V

These charts list a sampling of recommended settings to be used in treating each skin type.



### Pigmented Lesion Treatment Settings\*

| Skin Type                   | Target                   | Setting<br>J/cm <sup>2</sup> pulsewidth |
|-----------------------------|--------------------------|---|
| USING SHORT PULSE DURATIONS |                          |   |
| I - III<br>IV               | Face/Arms/Body           | 23-27 15<br>17-31 20<br>19-33 40        |
| I - II<br>III<br>IV         | Chest/Neck/Legs<br>Hands | 23-27 15<br>17-27 15<br>15-31 20        |

| Skin Type                  | Target                   | Setting<br>J/cm <sup>2</sup> pulsewidth |
|----------------------------|--------------------------|---|
| USING LONG PULSE DURATIONS |                          |   |
| I - III<br>IV<br>IV        | Face/Arms/Body           | 30-40 100<br>24-34 100<br>30-35 200     |
| I - III<br>IV<br>IV        | Chest/Neck/Legs<br>Hands | 24-30 100<br>20-26 100<br>25-30 200     |

### Hair Removal Treatment Settings

| Skin Type                   | Target        | Setting<br>J/cm <sup>2</sup> pulsewidth |
|-----------------------------|---------------|---|
| USING SHORT PULSE DURATIONS |               |   |
| I - II<br>III<br>IV         | Face and Body | 21-31 20<br>15-27 20<br>15-21 20        |

| Skin Type                  | Target        | Setting<br>J/cm <sup>2</sup> pulsewidth          |
|----------------------------|---------------|--|
| USING LONG PULSE DURATIONS |               |  |
| I - II<br>III<br>IV<br>V   | Face and Body | 24-40 100<br>24-34 100<br>20-30 100<br>10-20 100 |

# Palomar LuxY™ Treatment Guide

## Skin Types I – V

LuxY

### Important Precautions

- The treatment provider and client must wear protective eyewear during treatments.
- All pigmented lesions must be examined by a physician prior to treatment.
- During hair removal, avoid treating over darkly pigmented lesions and tattoos.
- These parameters were tested on untanned skin.

### Pigmented Lesion Treatment Guidelines\*

- DO NOT INITIATE TREATMENTS WITHOUT PERFORMING TEST SPOTS (see Operator's Manual for specific instruction).
- Shave or closely clip the treatment area.
- Apply a thin layer of Palomar Lux.Lotion™ or Humatrix® Gel to clean, dry skin.
- Perform test spots as per Operator's Manual.
- Evaluate after 30 minutes for skin types I-III and 1-2 days for skin type IV-V.
- Pigment should be treated only until there is a very slight color change. Treatments using longer pulsewidths produce delayed darkening in 10-15 minutes.
- Long pulsewidths may produce more profound redness/erythema which usually resolves in 10-15 minutes.
- If considering a *second pass* over pigmentation allow ample time to evaluate skin response from the first pass.
- Photodamage on sunburned/darker skin can be treated using long pulse durations, i.e. 100ms pulse.
- Treatment ranges are based on the degree of abnormal pigmentation/redness. For more pronounced pigment, start with lower treatment settings; as the pigment lessens you can increase the fluence for subsequent treatments.
- For lighter pigmentation use the higher treatment range. For darker pigmentation start at the lower treatment range.
- Use the paper test spot mask to isolate single lesions.
- The lesion will darken and crust. It will be shed from the skin in 14-21 days.
- Schedule a follow up appointment for evaluation in 3-4 weeks.

### Hair Removal Treatment Guidelines

- Please see guidelines for hair removal under LuxR or LuxRs — see red tabs.
- The LuxY is also a good choice for hair removal, especially on finer, lighter colored hair.

\*Please refer to the Operator's Manual for more detailed information on treatment settings and pulsewidths. Results may vary based on individual skin type and treatment parameters.

LuxY



**StarLux**  
**Sample [REDACTED] Settings**

**FACIAL VESSELS**

\*Treatment parameters using a thin layer of chilled Humatrix

| TARGET                  | SKIN TYPE | HANDPIECE  | SETTING       |
|-------------------------|-----------|------------|---------------|
| Blue facial vessels     | I - III   | [REDACTED] | 50 j/100 ms   |
| Red facial vessels      | I - III   | [REDACTED] | 40 j/20 ms    |
| Red facial vessels      | IV        | [REDACTED] | 36-40j/20ms   |
| Red chest/neck vessels  | I - IV    | [REDACTED] | 32-34 j/20 ms |
| Rosacea/facial flushing | I - III   | [REDACTED] | 32-34/20ms    |

*ALL Green*

Larger red facial vessels can also be treated with long pulses (100ms) to achieve vasoconstriction and not just darkening of the vessels

**PIGMENTED LESIONS**

\*Treatment parameters using a thin layer of chilled Humatrix

| TARGET        | SKIN TYPE | HANDPIECE  | SETTING                     |
|---------------|-----------|------------|-----------------------------|
| Face          | I - III   | Y          | 35 j/ 40 ms & 1- 2+ passes  |
| Face          | IV        | Y          | 30 j/ 40 ms & 1- 2+ passes  |
| Face          | V         | Y          | 20-25 j/60 ms & 1-2+ passes |
| Face and Body | I - IV    | [REDACTED] | 32-36j/40ms & 2+ passes     |

*Green*

Pigment should be treated only until there is a slight color change - delayed darken occurs at about 10-15 minutes - DO A TEST Area on darker skin

**HAIR REMOVAL**

\*Treatment parameters using a thin layer of chilled Humatrix

| TARGET        | SKIN TYPE  | HANDPIECE  | SETTING  |
|---------------|------------|------------|--|
| Face and Body | I - III    | [REDACTED] | 1 <sup>st</sup> pass- 45 j/ 100 ms<br>2 <sup>nd</sup> pass -33-36 j/ 20 ms |
| Face and Body | IV         | [REDACTED] | 1 <sup>st</sup> pass 35j/100ms<br>2 <sup>nd</sup> pass 30-33 j/20 ms       |
| Face and Body | V          | [REDACTED] | 25 j/100 ms & 2 passes   |
| Face and Body | Lighter VI | [REDACTED] | 20 j/100 ms & 1 passes   |
| Face and Body | I - IV     | Y          | 1 <sup>st</sup> pass 35 j/100 ms<br>2 <sup>nd</sup> pass 27j/20ms          |

*Red*

\*NOT FOR CUSTOMERS