



SPEED LEAGUE SWIMMING — CLEAR ARENA POOL DOSSIER (PUBLIC VERSION)

Official Arena Pool Overview • 25m Modular Competition System

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Document Scope: Public description of the SLS arena pool used for individual competition.

1) Overview: The SLS Arena Pool

The Speed League Swimming arena pool is a **25-meter, short-course, above-ground, transportable competition pool** engineered for **broadcast clarity, athlete presentation, and arena-based racing**.

It is the **centerpiece environment** of SLS events, delivering a spectator experience not possible in traditional aquatic venues.

The pool features:

- **Clear long walls** for underwater visibility
- **A raised, arena-stage footprint**
- **Integrated walkout stage and starting deck**
- **A modular design** allowing transport, assembly, and reassembly
- **A three-lane competitive field** (Gold / Silver / Bronze) framed inside a five-lane structure

This is the **official competition environment** for all Speed League Swimming individual events.

2) Dimensions & Structure

The arena pool is built to international short-course standards with modifications optimized for the SLS format.

2.1 Pool Dimensions

- **Length:** 25.0 meters
- **Width:** 12.5 meters
- **Depth:** 2.0 meters of water
- **Wall Height:** 2.3 meters (clear walls + upper splash margin)

2.2 Clear Acrylic Sidewalls

- Both long sides of the pool feature **transparent, arena-grade clear panels**.
- Spectators and cameras gain full underwater visibility of:
 - speed
 - body positioning
 - breakout angles
 - turns
 - separation

This transparency is one of SLS's signature presentation features.

2.3 Above-Ground, Self-Supporting Configuration

The pool is **fully freestanding** and does not require anchoring into venue infrastructure. Its elevation above the arena floor enhances:

- sightlines,
- lighting control,
- walkout staging,
- and athlete presentation.

3) Lane Configuration: The SLS Five-Lane Shell

The arena pool contains **five physical lanes**, but **only three lanes are contested**.

Why Five Physical Lanes?

- The two outer lanes act as **buffer lanes** to stabilize wave action.
- The three center lanes are reserved for SLS competition.

The Official Race Lanes (Three):

- **Gold Lane** – Champion / highest-ranked athlete
- **Silver Lane** – Challenger
- **Bronze Lane** – Third-ranked athlete

This three-lane layout is fundamental to the SLS identity:
every race is a medal match.

4) Water Environment

- **Water depth:** 2.0 meters throughout
- Provides elite-level racing conditions
- Supports consistent underwater phases
- Ensures fair racing in all divisions

The clear-wall system and controlled arena lighting create a **crystal-clear visual of the entire race envelope**, above and below water.

5) Starting Deck & Walkout Integration

A defining feature of the SLS pool is the **integrated starting deck + athlete walkout stage**.

5.1 Combined Starting Bulkhead / Stage

- Installed at one 12.5m end of the pool
- Athletes step directly from the walkout ramp to the starting deck
- Features:
 - regulation starting blocks
 - professional-grade deck surfacing
 - clean broadcast geometry for introductions and staging

5.2 Athlete Walkout Ramp

- Leads athletes from the backstage tunnel

- Rises directly to the starting deck surface
- Designed for:
 - premium camera angles
 - lighting integration
 - theatrical yet professional athlete introductions

This is a central part of the SLS show architecture.

6) Modularity & Transportability

The SLS arena pool is **fully modular**, enabling:

- transport between arenas,
- rapid assembly,
- reusability,
- placement in non-aquatic venues (arenas, stadiums, expo halls).

6.1 Modular Benefits

- **Geographic flexibility** — SLS events can be staged anywhere in the world.
- **Venue independence** — no need for existing aquatic infrastructure.
- **Repeatability** — consistent pool conditions at every event.
- **Brand identity** — the pool *is* the set.

6.2 Assembly Philosophy (Public Version)

Without disclosing construction IP, SLS states publicly:

The arena pool is built using a modular panel system designed for precision, repeatability, and safe installation inside entertainment venues. All structural components are manufactured to elite competitive standards.

This preserves your trade secrets while communicating professionalism.

7) Lighting & Broadcast Integration (Public-Safe Details)

The clear pool is engineered to function as a **broadcast stage**:

- Underwater clarity
- Light transmission through sidewalls
- Controlled overhead lighting
- Clean sightlines for underwater and above-water camera positions

The pool's raised configuration enhances camera accessibility and delivers **signature underwater and profile angles** unique to SLS.

8) Competition Use (Individual Racing Only)

This pool is designed for **SLS individual events**, including:

- Butterfly (50 / 100 / 200)
- Backstroke (50 / 100 / 200)
- Breaststroke (50 / 100 / 200)
- Freestyle Sprint (50 / 100 / 200)
- Freestyle (400 / 800 / 1500)
- Individual Medley (100 / 200 / 400)

Racing Lanes

Only the three central lanes are active.

The outer lanes serve **hydrodynamic and presentation purposes**.

9) Safety & Officiating Environment

Safety and fairness are maintained through:

- a unified, camera-driven officiating system,
- a single on-deck Head Official,
- controlled deck access,
- modern lighting visibility,
- and clear underwater monitoring enabled by the transparent walls.

The pool environment is specifically structured for **elite, controlled, high-stakes racing**.

10) Summary

The Speed League Swimming Arena Pool is:

- **25m × 12.5m × 2m**
- **A five-lane shell with three-lane racing**
- **2.3m high clear walls**
- **Above-ground, modular, and transportable**
- **Featuring an integrated starting deck + walkout stage**
- **Built for elite racing, presentation clarity, and global mobility**

It is a core expression of the SLS brand—

modern, cinematic, portable, and designed for the future of competitive swimming.