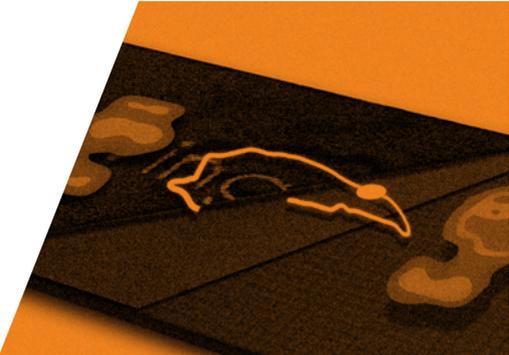


INSTALLATION GUIDE

BALANCE PLATE

For Swing Catalyst Studio Installations



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Installation guide Balance Plate 2017

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INTRODUCTION

The Swing Catalyst team has over the years gained extensive experience from studio installations all around the world. This knowledge is now passed on to you as a valued Swing Catalyst customer.

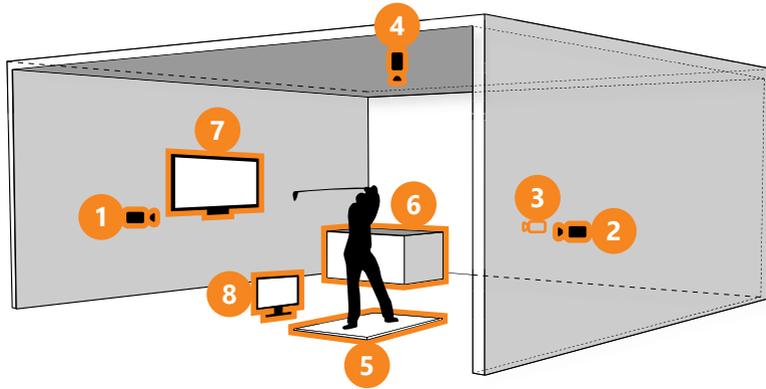
This guide offers recommendations regarding space requirements, positioning of lighting, cameras and cabling, and some other thoughts that you should consider when setting up your Swing Catalyst Studio.

Detailed information on a specific topic may be found at:

<https://www.swingcatalyst.com/help>

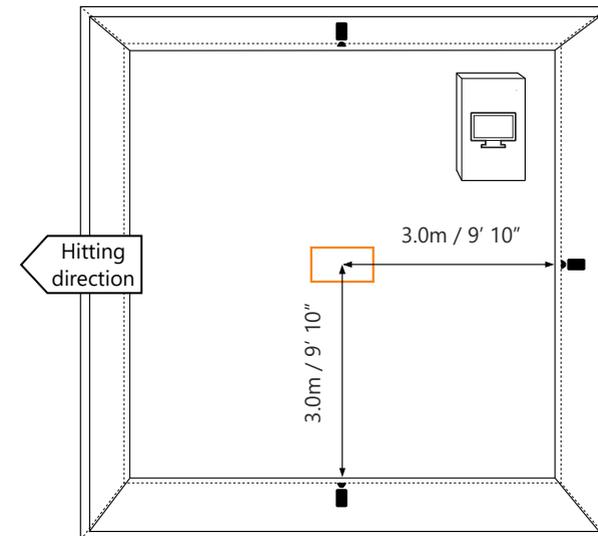
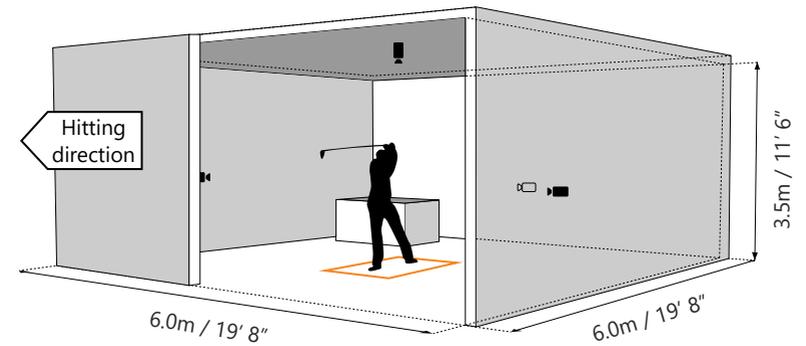


STUDIO COMPONENTS



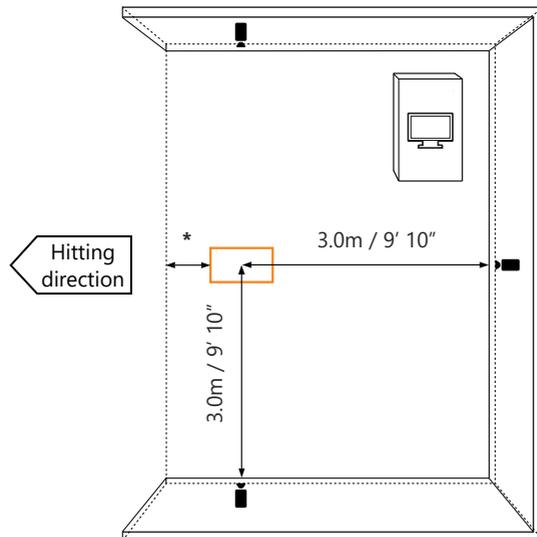
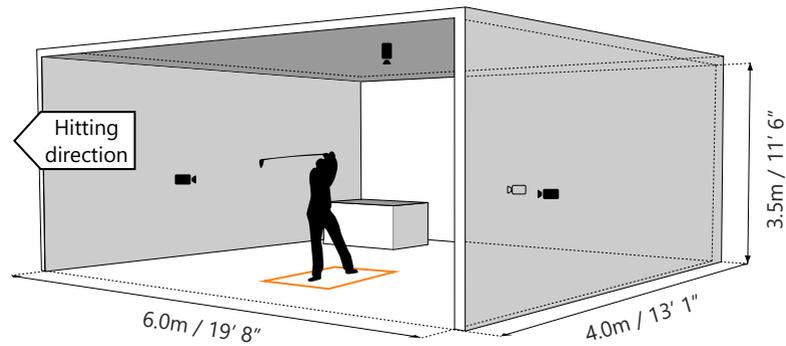
- 1 Face on camera left
- 2 Face on camera right
- 3 Down the line camera
- 4 Overhead camera
- 5 Balance Plate
- 6 PC table
- 7 Optional wall mounted flatscreen TV
- 8 Optional feedback screen

DIMENSIONS - INDOOR STUDIO



These are the recommended distances. Please note that more space is required if you consider using a radar based launch monitor.

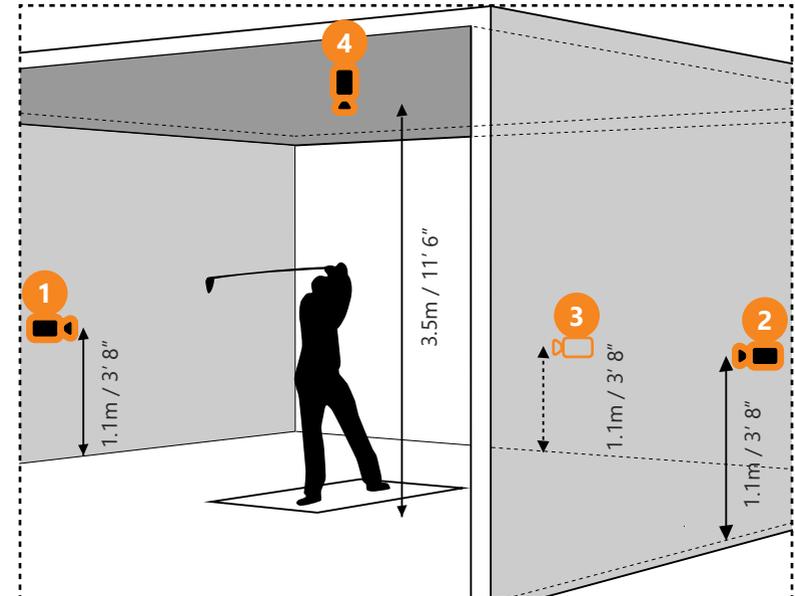
DIMENSIONS - GARAGE BAY



These are the recommended distances. Please note that more space is required if you consider using a radar based launch monitor.

* The Balance Plate should be positioned close to the opening.

CAMERAS

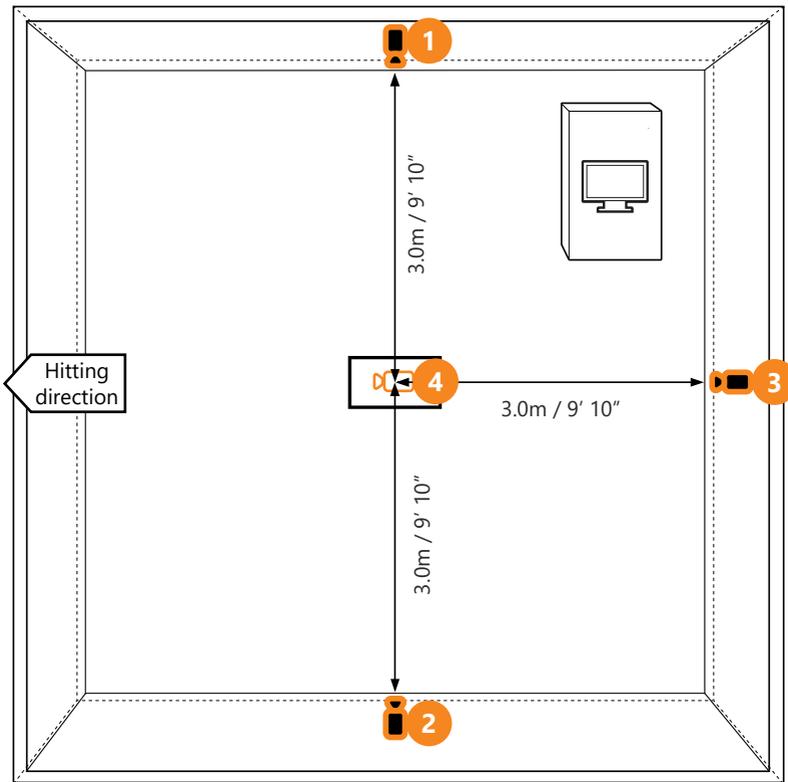


Camera height measured from floor to lens:

- 1 Face on camera left
- 2 Face on camera right
- 3 Down the line camera

Recommended minimum height from floor to lens:

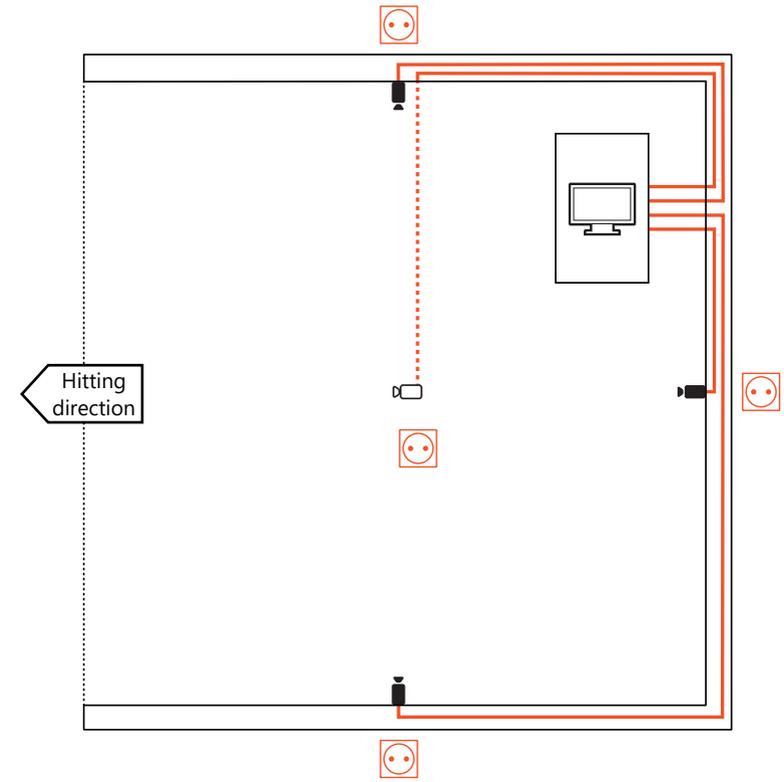
- 4 Overhead camera



Recommended space required:

- 1 Face on camera left
- 2 Face on camera right
- 3 Down the line camera
- 4 Overhead camera

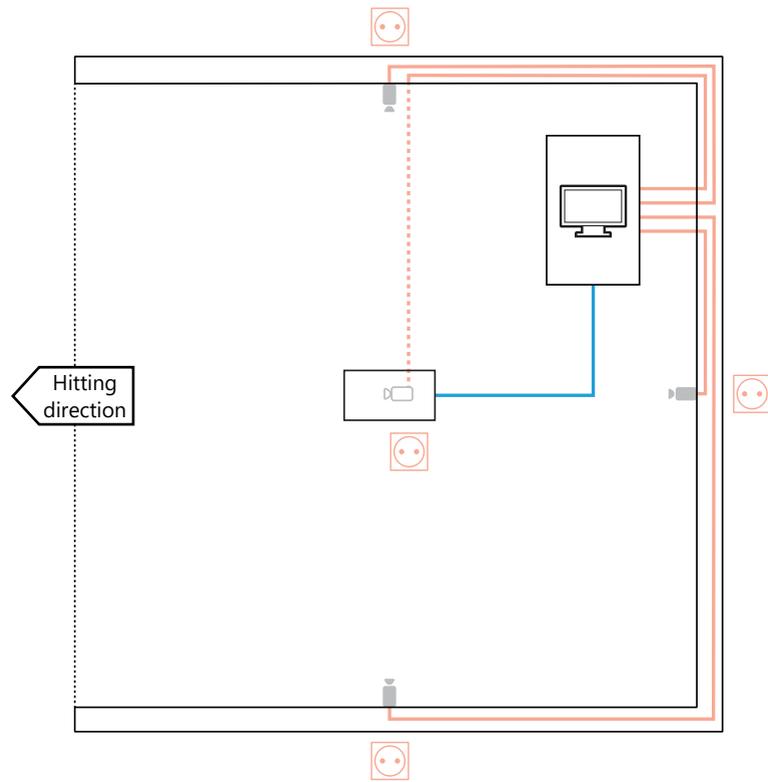
VIDEO SETUP



Video cables (depending on camera type):

-   Coaxial for CCTV
-   Ethernet for GigE Vision
-   USB for USB cameras
-   Power outlet, 110-220V AC

BALANCE PLATE SETUP

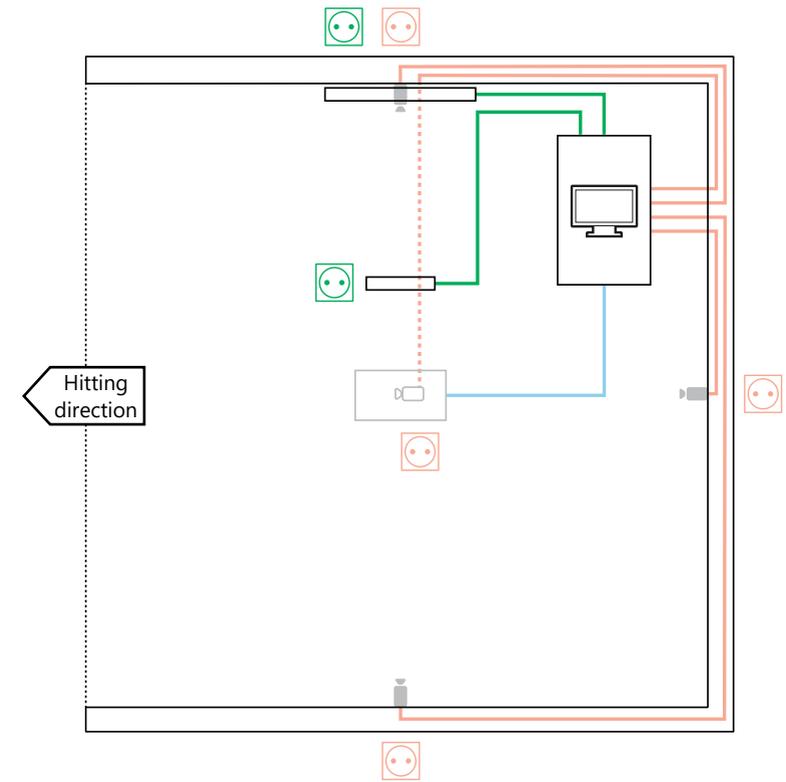


Balance Plate cable:

  USB for Balance Plate

 All electronics connected to the Balance Plate must have ground. The power grid should have adequate grounding. We recommend using surge protectors to prevent damage to your electronics.

TV & FEEDBACK SCREEN SETUP



Screen cables:

  HDMI for flatscreen TV and feedback screen

  Power outlet, 110-220V AC

Note: The setup for flatscreen TV and feedback screen is optional.

INDOOR STUDIO INSTALLATION

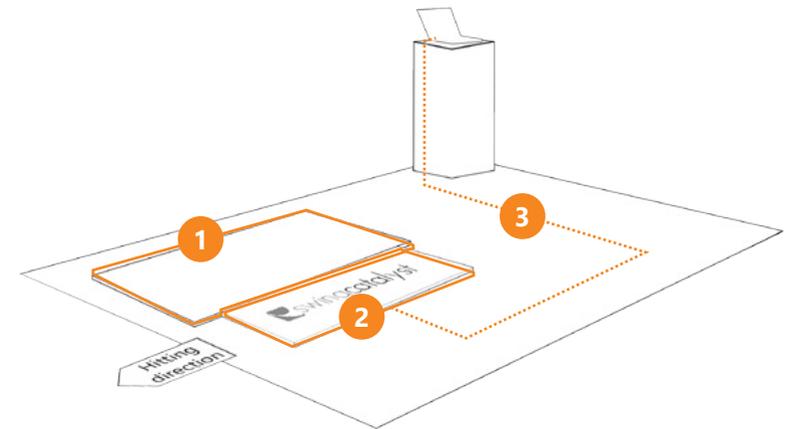


When installing a Balance Plate in an indoor studio or in a garage bay, there are two choices:

- ① **Next to artificial turf:**
If you plan to move the Balance Plate around we suggest you place it next to an artificial turf.
- ② **Recessed in artificial turf:**
If you are installing the plate in a more permanent location it is recommended that the Balance Plate is recessed, and level with the artificial turf.

The following part will guide you through the process of installing the Balance Plate.

NEXT TO ARTIFICIAL TURF



For a portable setup, we suggest you place the Balance Plate on a solid, level surface next to the artificial turf.

Make sure the Balance Plate does not move by placing it on a rubber mat or similar.

See the illustrations on the next two pages for step-by-step instructions.

- ① Artificial turf mat
- ② Balance Plate
- ③ USB-cord

Recommended turf thickness:
Turf thickness: 35 mm / 1.38 inches



- 1 Place the Balance Plate next to a mat of artificial turf.



- 2 Optionally build up with a friction mat for the Balance Plate to become flush with the artificial turf.

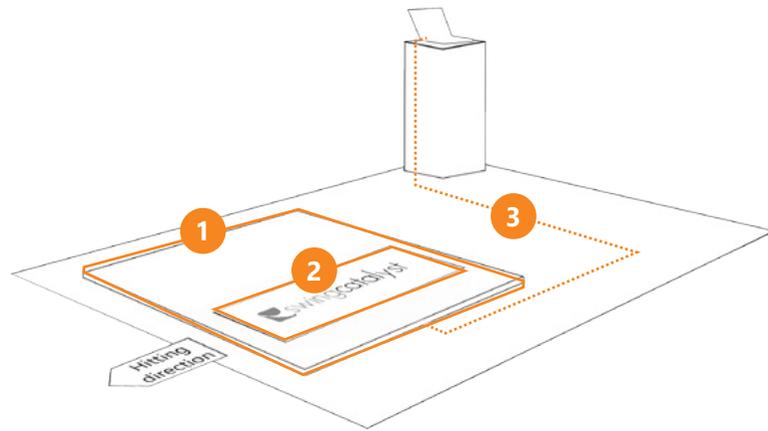
Make sure the Balance Plate does not move when performing golf swings.



- 3 The USB Cable output should be on the heel side for both right and left handed golfers. Connect the USB to the computer.

Note: It is important that the USB cable is free of any obstruction or movement to avoid damage to the unit

RECESSED IN ARTIFICIAL TURF



For a more permanent installation, we recommend to build the Balance Plate into a mat of artificial turf.

See the illustrations on the next two pages for step-by-step instructions.

- 1 Artificial turf mat
- 2 Balance Plate
- 3 USB-cord

Recommended turf thickness:
Turf thickness: 35 mm / 1.38 inches



- 1 Cut a hole in the turf matching the Balance Plate dimensions (see page 21) so it becomes a tight fit.



- 2 Place the Balance Plate in the hole, and make sure the plate is held firmly in place.

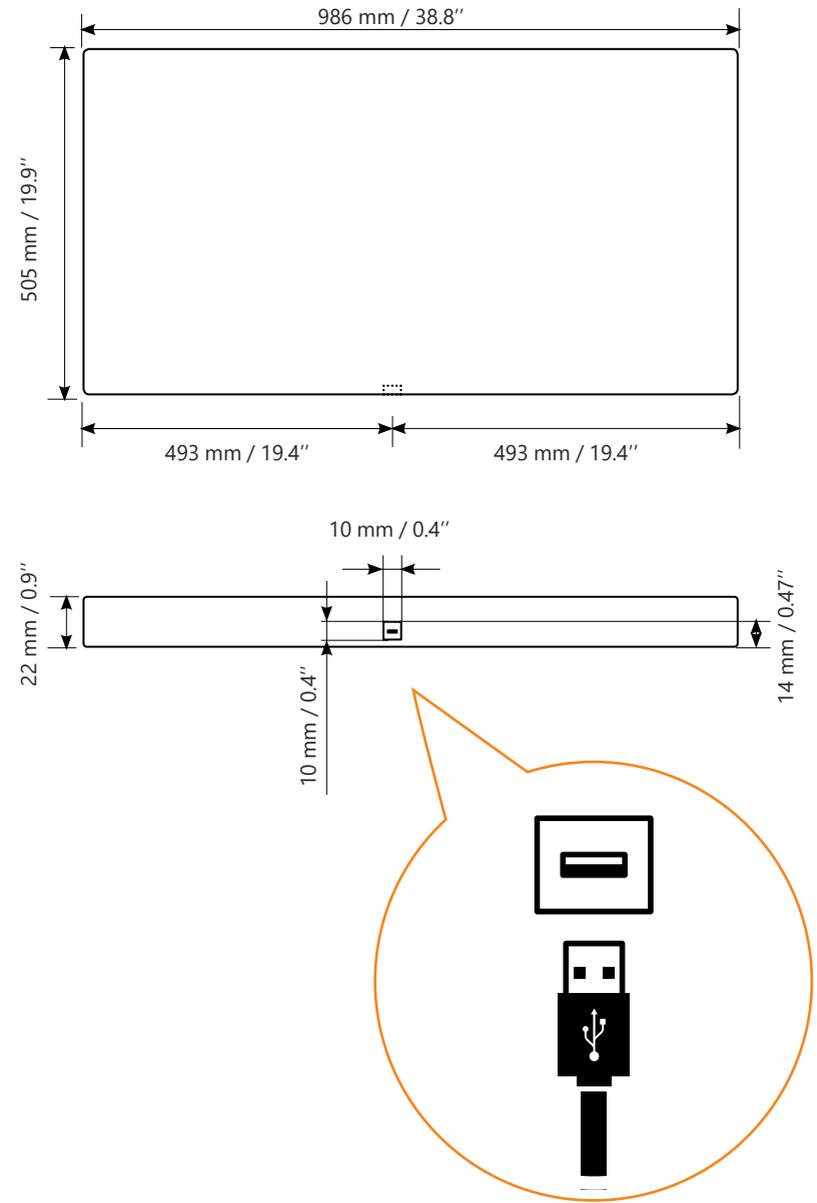
Optionally build up either with a friction mat so that the plate and turf become flush.



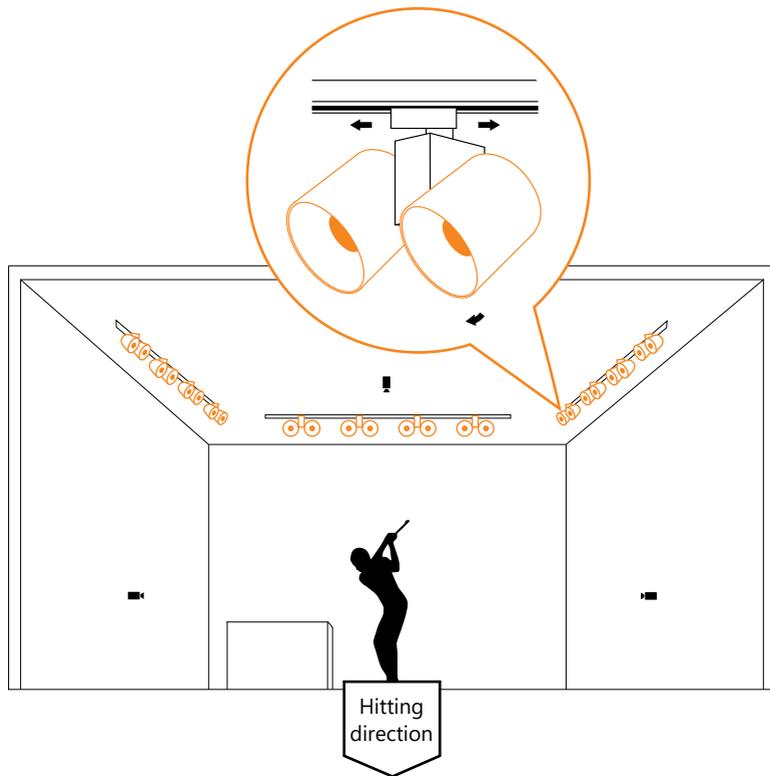
- 3 Cut an incision under the mat to make room for the USB cable. The USB cable should come out on the heel side for right handed golfers, and placed under the mat. Connect the USB to the computer.

Note: It is important that the USB cable is free of any obstruction or movement to avoid damage to the unit

BALANCE PLATE SPECIFICATIONS



LED LIGHTING SETUP



Recommended lighting setup:

Lumen: 30,000 lumen

Beam angle: 45 degrees

Number of spot lights: 15-30

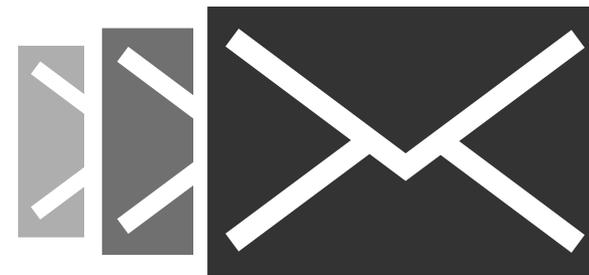
Recommended lux measurements:

Hip-height horizontally: 1300 lux

Floor below golfer: 2300 lux

Walls: 500 lux

SUPPORT



If you have any questions, please contact support:

support@swingcatalyst.com

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