

Installation manual v2

# RunningLight Park



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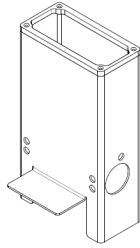
## 2

## Component overview

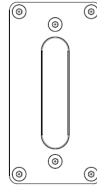
### 2.1 Steel/aluminium elements & pre-installed electronics



**1x Display Unit**



**\*X Light house**



**\*X Top frame**



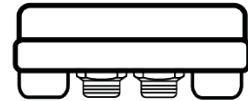
**\*X M4x12mm A2 Screw**



**\*x Devicenet Cable**



**1x Pigtail cable  
(for connecting display with 240V )**



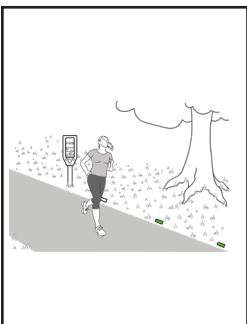
**\*x LED Unit**



**1x 3.5 M Devicenet Cabel**

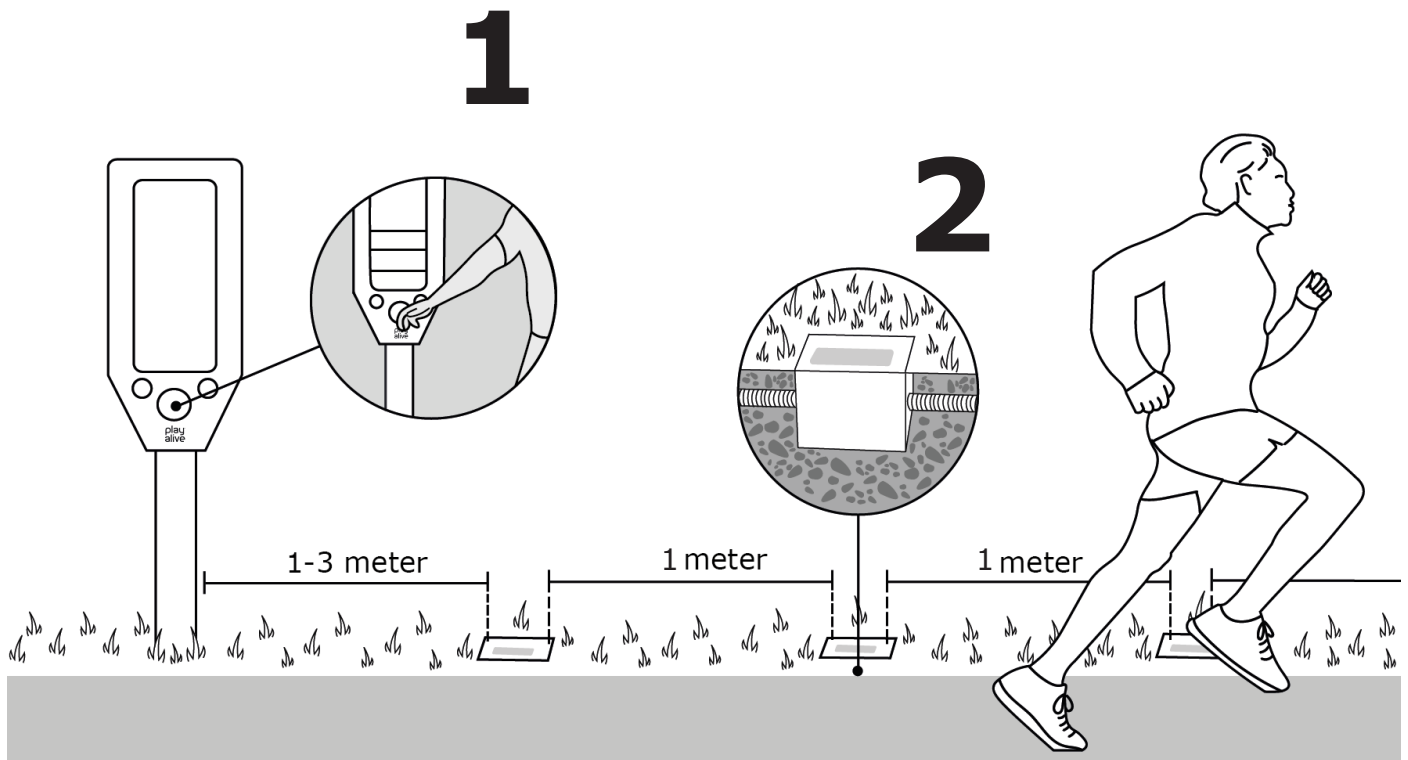
*\*The amount x will depend on individual project requirements.*

### 2.2 Other elements



**1x Installation Manual**

### 3.1 Overview



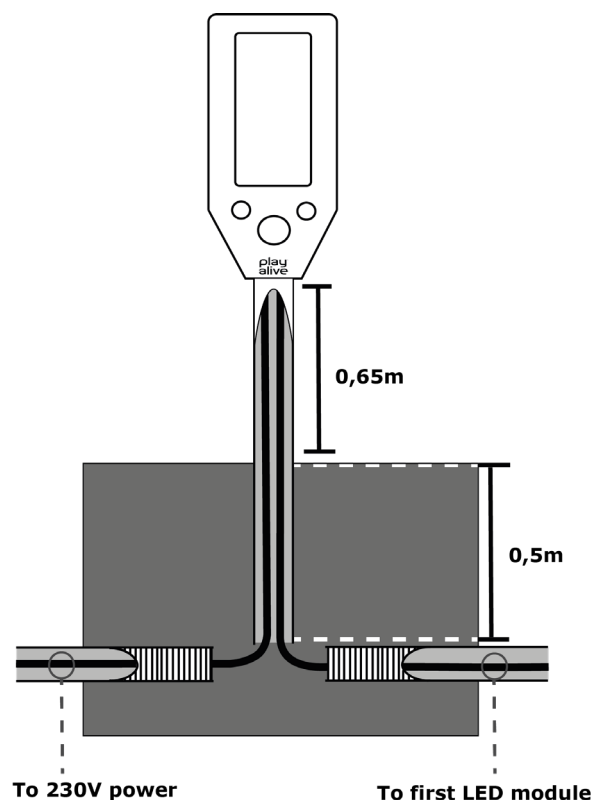
**1** Display unit, here you can choose your distance and speed. Hold sensor to start and the light will move according to your settings

**2** The lights go all along the trail as seen, in this image.

### 3.3 Installing Display Unit

The display unit must be installed in the ground as shown in the example to the right.

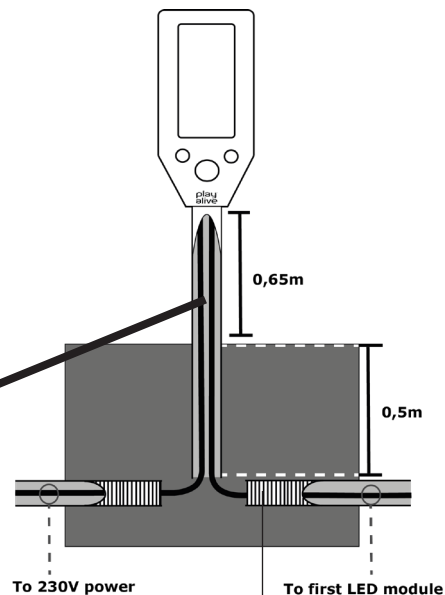
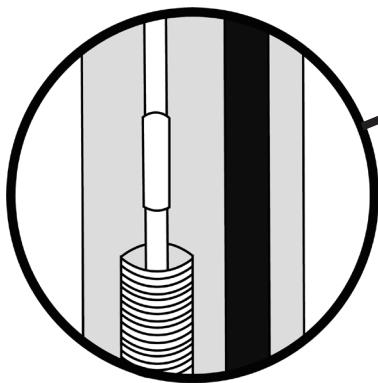
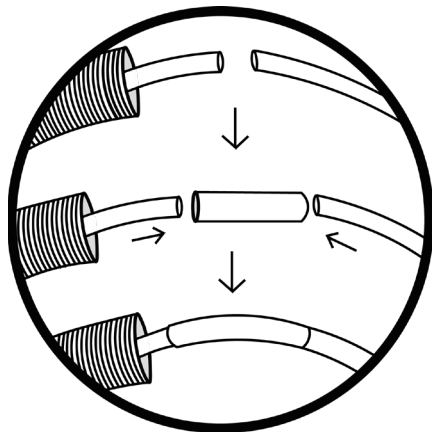
This includes the display unit pillar.



### 3.4 Connecting the display unit

**Step 1** –An electrician brings the standard installation cable to the PlayAlive steel post where the display is mounted. The following are used:  
3 x 1.5 mm<sup>2</sup> pvikj installation cable. This cable must be connected with the supplied PlayAlive "Pigtail" Cable. Important the installation is grounded.

**Step 2** – Please connect the PlayAlive devicenet cable from the display unit to the first light house. Make sure the cable runs inside a conduit pipe See below illustration.



**IMPORTANT:** All PlayAlive cables must be in a conduit pipe

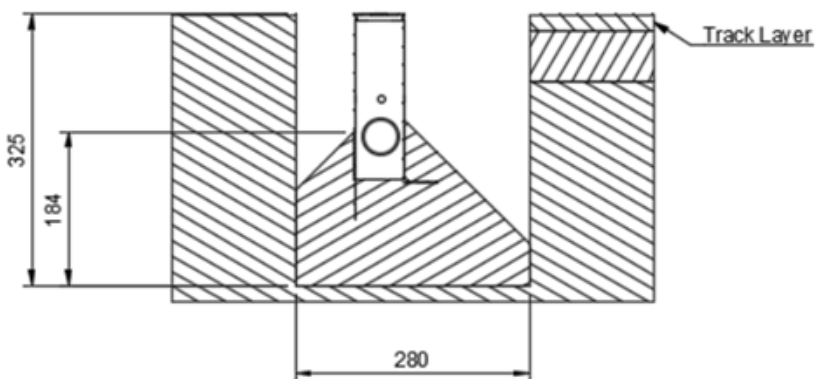
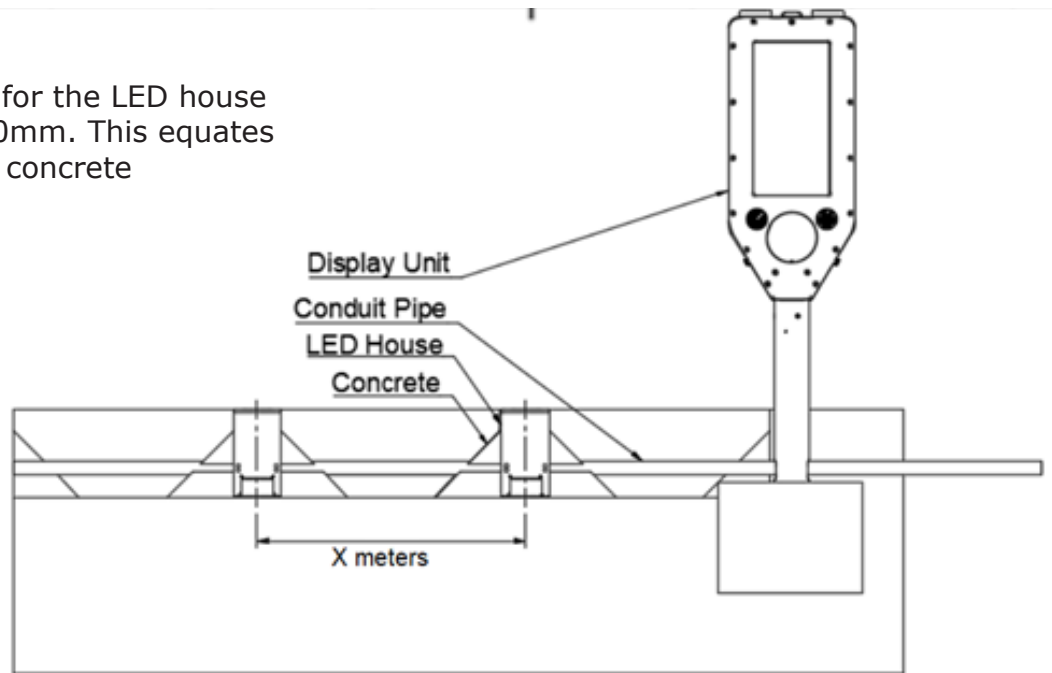
# 4

## LED units

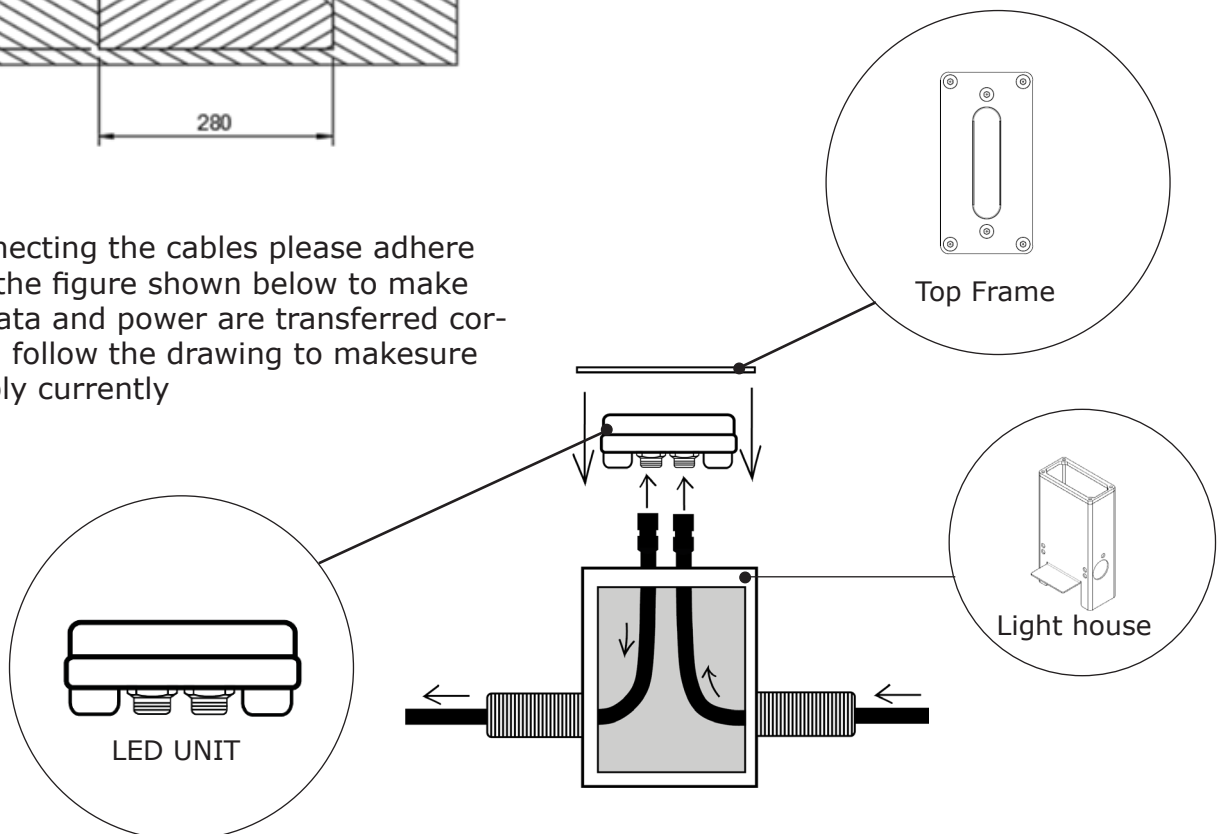
### 4.1 Installing LED houses

Please follow the instructions shown below.

The width of the hole for the LED house should be approx. 400mm. This equates roughly to  $0.014\text{m}^3$  concrete

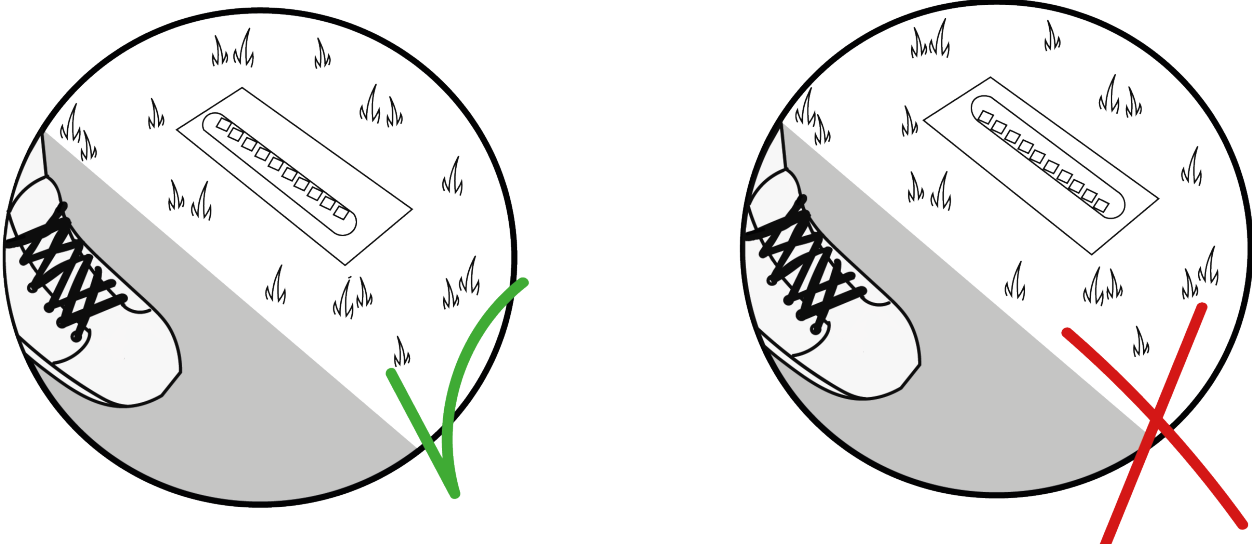


When connecting the cables please adhere strictly to the figure shown below to make sure the data and power are transferred correctly. And follow the drawing to make sure its assembly currently



## 4.2 Turning the LED Modules correctly

It is of utmost importance that when installing the LED modules that they are turned correctly. This is done by first making sure the LEDs are pointing the correct way. the LEDs are angled to point more towards the running path to ensure the runner has an easier time seeing the light. This is illustrated on the two pictures seen below.



## 5 Start UP

### 5.1 Turn the system on

When all the provided LED units are mounted and installed, the installation is complete.

Now please turn the power on. The system now starts up. After 4-5 minutes the display will light up and the system is now ready for you to select an activity.

### 5.2 Start an activity and test the setup

Select and start an activity. Go to the display and select an activity. Start a run and make sure that all lights function as intended.

### 6.1 General introduction to PlayAlives Technology Platform

The PlayAlive system is an interactive system. The technology elements communicate with each other and thereby make it possible to realize activities for all ages.

The visible part of the installation is the "satellites", the display unit and the LED light units. The satellites are intelligent units that contain light, sound, touch sensor, and communication. They act as the user interface to the system. Cables connected to satellites supply them with power and communication.

**IMPORTANT: BE CAREFUL WHEN HANDLING THE PARTS.**

The PlayAlive technology elements are highly advanced electronics. Despite the fact that they are very robust after installation, they can easily be damaged before or during installation if not treated correctly.

**NOTE: ALL PARTS ARE DESIGNED TO FIT TOGETHER WITHOUT THE NEED OF USING FORCE.**

### 6.2 Conduit pipes and PlayAlive technology

When using flexible cable pipes, it is important to ensure that the minimum bending radius complies too the following:

For our device net cables, we recommend 28/34 mm flexible cable pipe / conduit pipe with double walls for easy pulling of the cables.

Please note that low-cost cable pipes are very soft and therefore very easy to bend in inappropriate radiuses – they are not recommended!

It is further recommended to place covers over the ends of the cable pipes during the period from installation of the pipes to installation of the electronics to avoid water in the pipes.

When installing the cable pipes, it is recommended to ensure that care is taken to ensure that the pulling string in the pipes are kept available. It makes pulling the cables a lot easier. If this is not possible, then we recommend that you use vacuum (ex. a vacuum cleaner) to suck a pulling string through. It has proven easier than other methods.

In some cases, it is possible to push the cable through the pipes without other help. In cases where this is not possible, it is recommended to use a pulling string.

Please be aware that the PlayAlive cables are not designed to be pulled in the connectors. When pulling the cables please make sure that you pull the cable and not the connector.

## PlayAlive A/S

Jens Grøns Vej 2 7100 Vejle, Denmark  
Phone: +45 2750 6400 or +45 2048 1055

[www.playalive.dk](http://www.playalive.dk)