

The ANY-maze Infrared illuminator



Overview

The ANY-maze infrared illuminator can be used to track in low light or even complete darkness. All modern cameras are sensitive to infrared (IR) light, although some lenses include infrared blocking filters. Provided your lens doesn't include this type of filter (none of the [lenses we supply](#) have a IR block filter), then by using an infrared illuminator, your camera will be able to 'see in the dark'.

Some of our [mazes and test apparatus](#) include parts made in black Plexiglas – for example, the dark side of the [light/dark box](#). The material we use is infrared transparent, so by using an infrared illuminator your camera will be able to see through it. For example, this would allow you to track in both the light and dark side of the light/dark box.

In some experiments, you may wish to alter the light levels during the tests. Severe changes in the lighting can interfere with the tracking, but this can be overcome by fitting your lens with a visible light blocking filter and then using an

infrared illuminator to track ONLY in infrared. Thus the visible light levels can be altered without affecting the tracking at all.

Details

- Track in darkness.
- Track in low light.
- Track through the black Plexiglas walls of our [mazes and test apparatus](#).
- Track in tests in which visible light levels change.
- Works with any cameras/lenses that don't include an infrared blocking filter.

Technical specification

- 30 metre range.
- Waterproof construction.
- 12V_{DC} power supply (included).
- 100,000 hour lifetime.

Part numbers

- 60540 Infrared illuminator.
- 60532 Infrared pass / visible block filter for our [60528 lens](#).