



# Crypsis Lighting :System Guide

---

**[www.crypsislighting.com](http://www.crypsislighting.com)**

Patent Protected Worldwide: Europe - EP1869363 Japan - JP 2007-554659 USA -  
US7997774 Australia - AU2006212037 New Zealand - NZ 561327 China - ZL200680011612.4

# Index

**Page 1:** Introduction

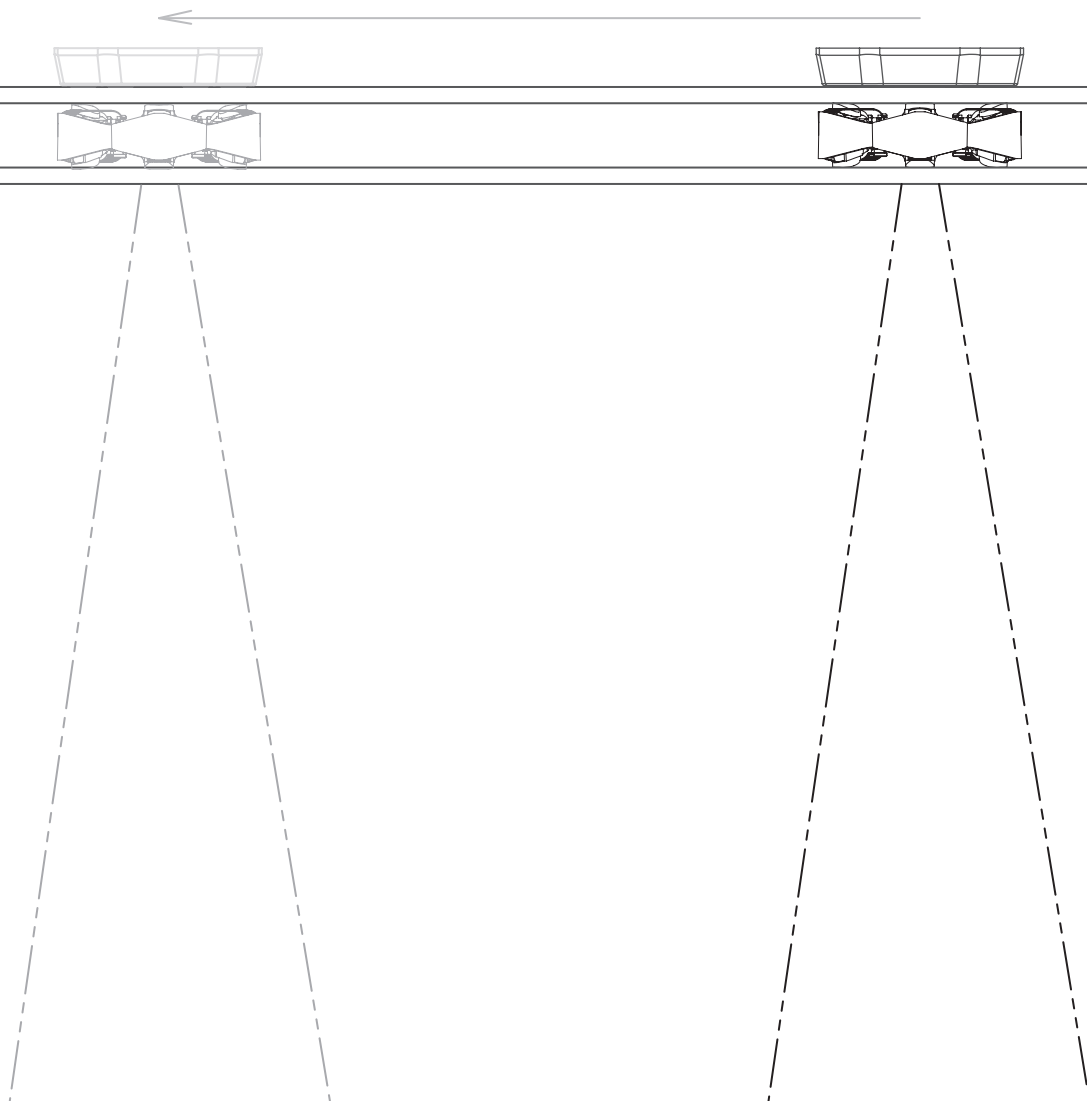
**Page 2:** Glass panel (Part 1)

**Page 3:** Standard Light Units (Part 2)

**Page 4:** Control Puck (Part 3)

**Page 5:** Full Crypsis system (Parts 1,2+3 combined)

**Page 6:** Movement and Operation

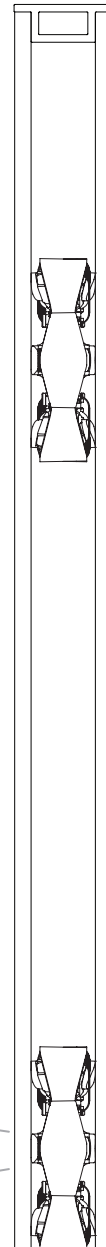


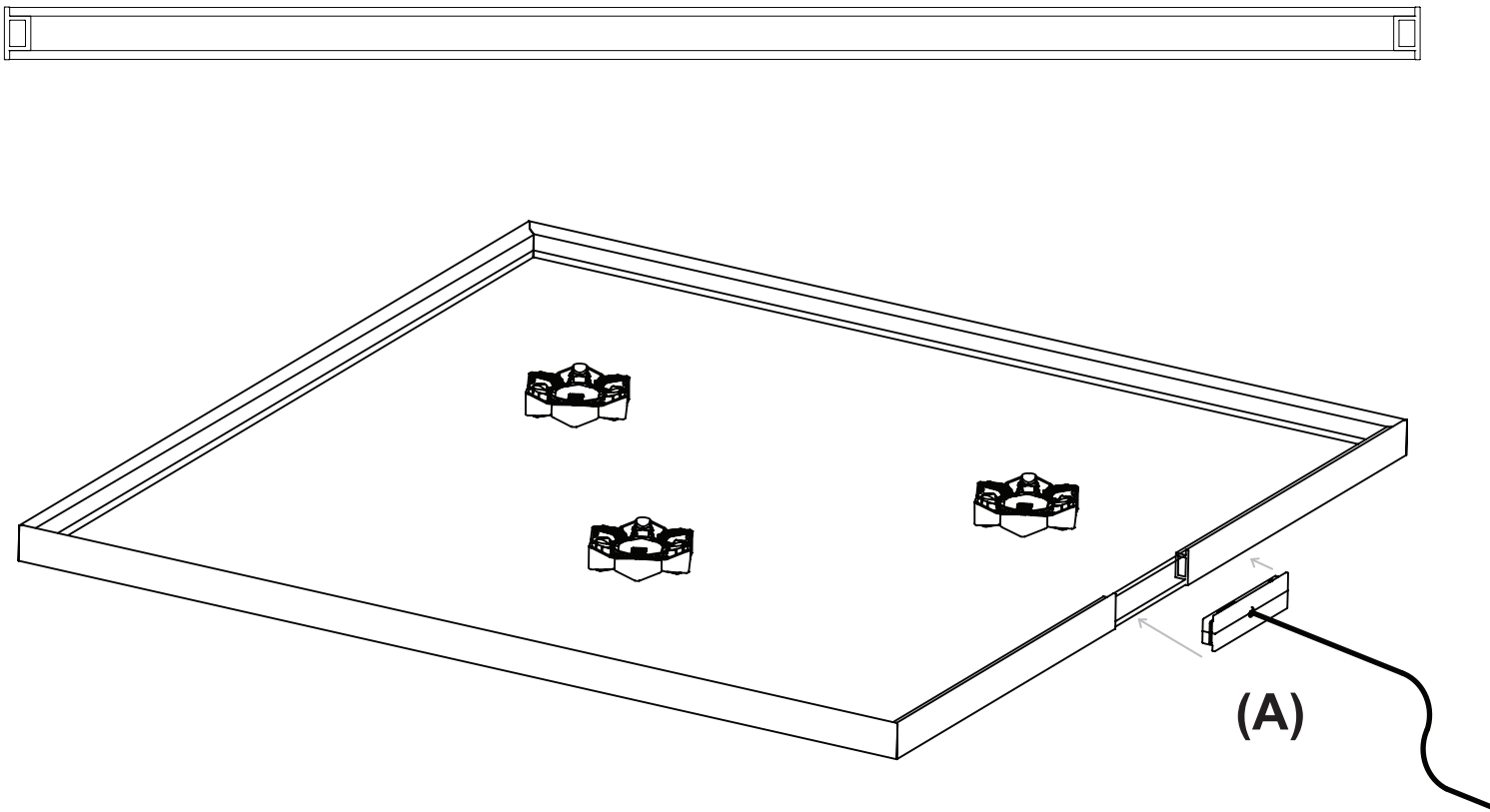
In nature **Crypsis** is the “ability to avoid observation and to blend into one’s environment”. The aptly named Crypsis Lighting system offers users the ability to move LED lights by hand and reposition them wirelessly anywhere within a glass panel. The system uses no batteries or direct wiring and therefore opens up a new freedom in commercial and domestic lighting.

The system is composed of 3 main parts:  
**(1)** Glass panel, **(2)** light unit **(3)** control puck

### Key Features

- Low Voltage movable light sources
- High intensity LED light output
- Long lifespan
- High power efficiency
- Rotational dimming
- Numerous light units within one panel
- Operates horizontal and vertically
- Full system operates at 18v





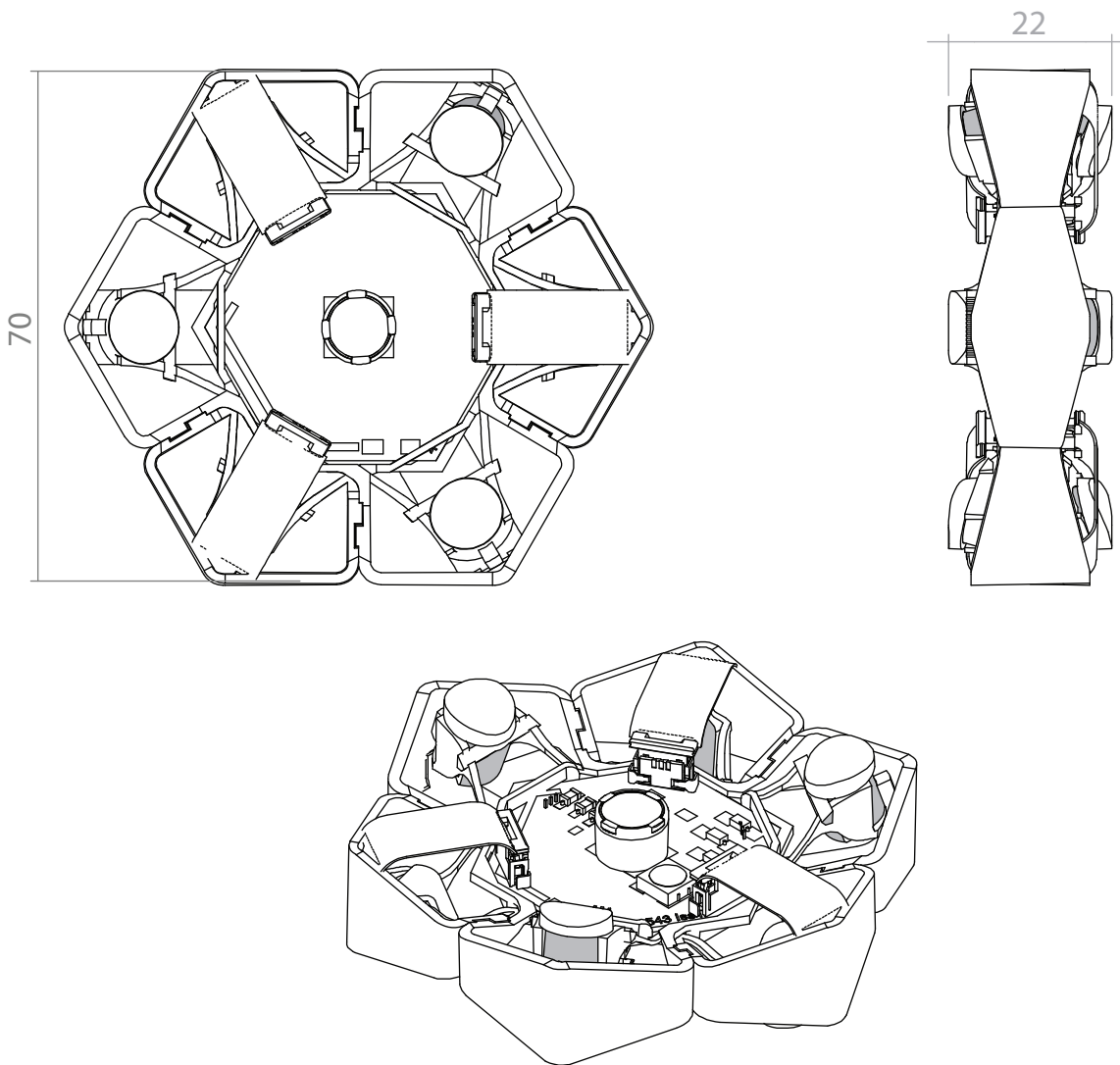
### (Glass Panel)

Crypsis glass panels are double-layered sealed glass units with an overall thickness of 26mm (with standard 4mm glass). The panels are assembled with an optically clear extruded polymer support frame.

**(A)** Each panel has an 'Access Power Unit (APU)' within its frame that can be removed to access, add or replace lighting units. Once in position the (APU) seals the panel and transfers the power to the system.

### Overview

- Standard panel size 700 x700mm
- Bespoke sized panels available between 1000mm W x 1500mm H
- Light transparency of 82%
- Glass available in 4mm float, 4mm toughened and 6.4mm laminated.
- Coloured, mirrored and opaque films can be applied

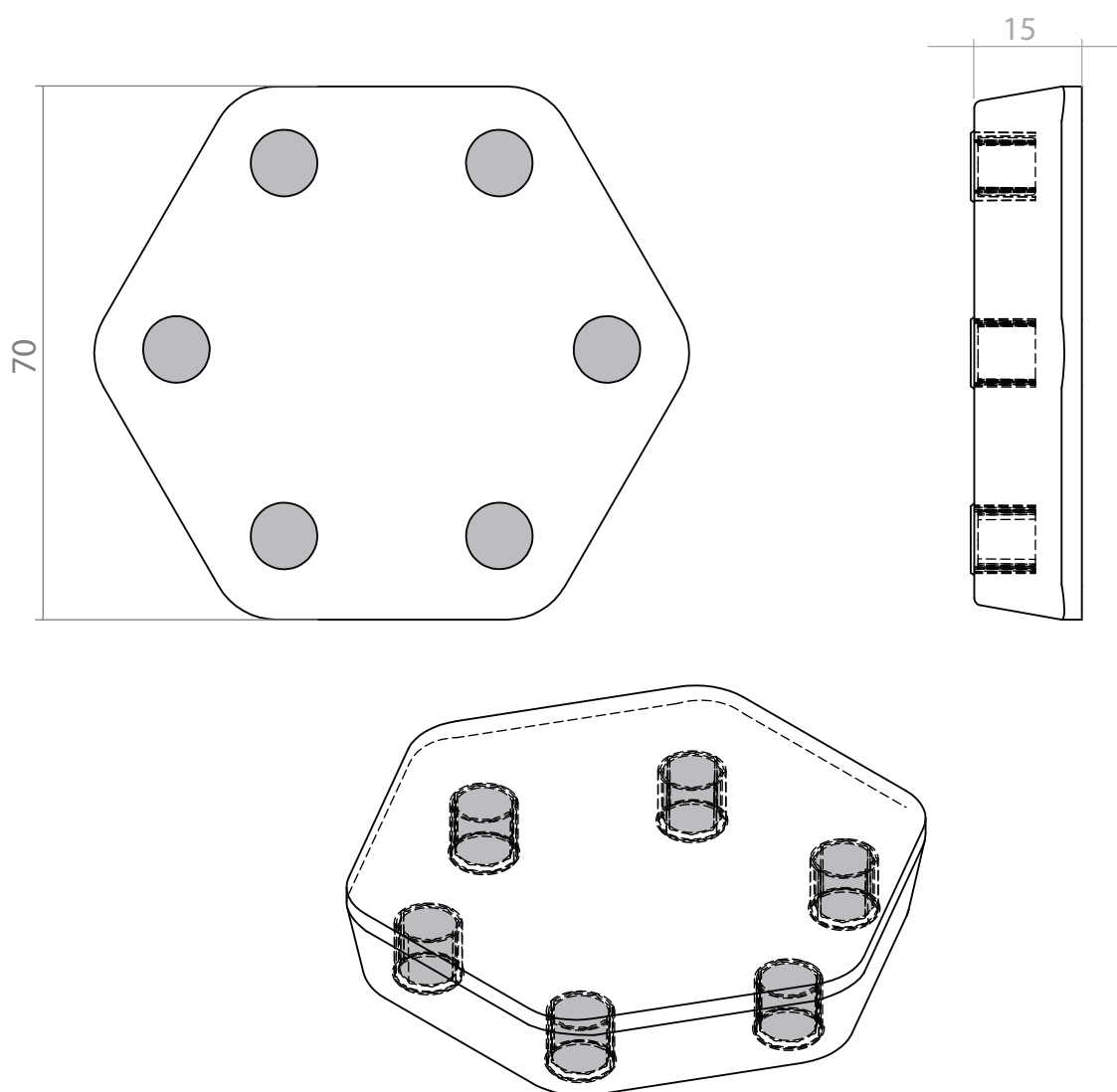


### (Standard Light Units)

Crypsis light units are evolution in both electronics and engineering. The units are composed of a central PCB lighting circuit, and a protective transparent polymer housing.

### Overview

- Injection moulded housing
- Combine light pools with ease (multiple light sources)
- Low operational temperature, high light output
- Lights Function in either orientation (+/- -/+)
- Low friction
- LED + Optic can be selected for bespoke applications
- High Lux/ Lumen output (see technical spec doc)
- Various CRI available (bespoke applications)

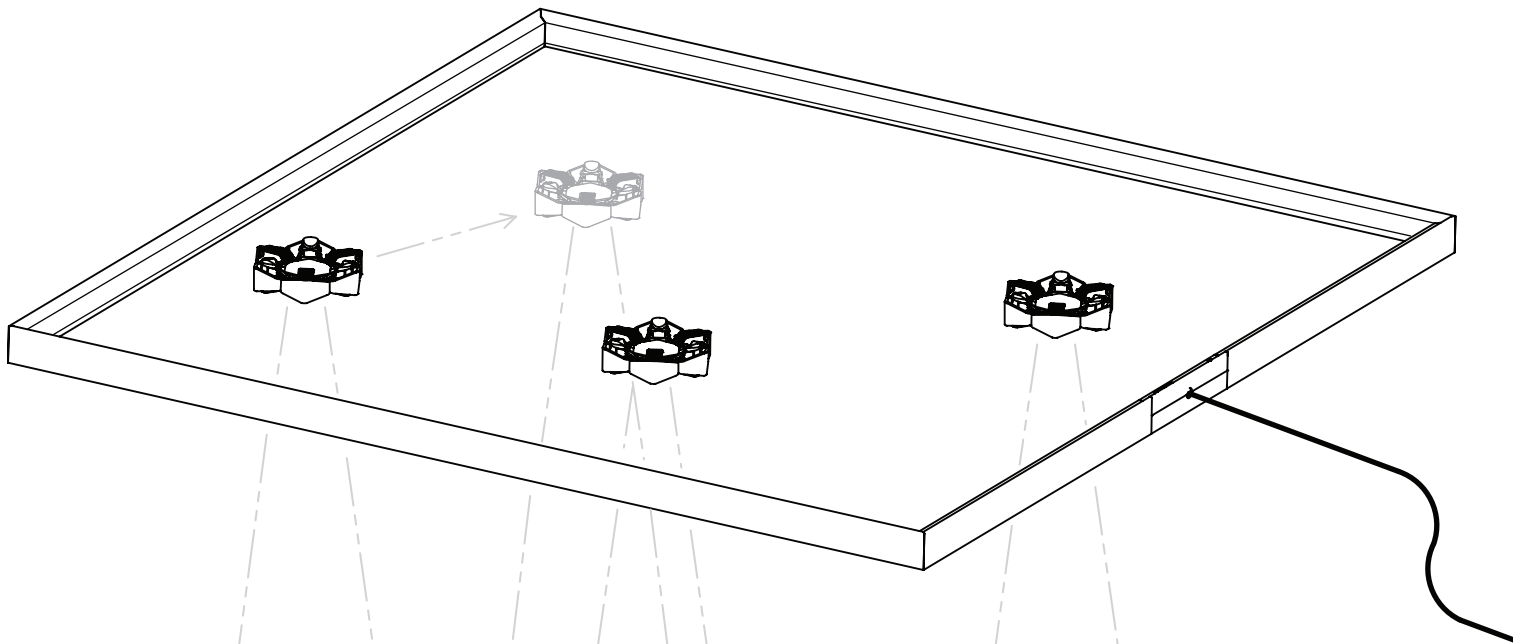


### (Control Puck)

The control puck is the interactive key to the system, used externally to attract and reposition the internal light units from either side of the glass panel. Once the puck is removed from the glass panel the light units are locked in position until a new light arrangement is required.

### Overview

- Manufactured in optically clear transparent polymer
- Angled side for ease of use
- Low friction coating
- Access light units from either side of the glass panel
- Puck movements are mirrored in light units (when connected)
- Rotating the puck controls the light units internal dimming



### (Full System)

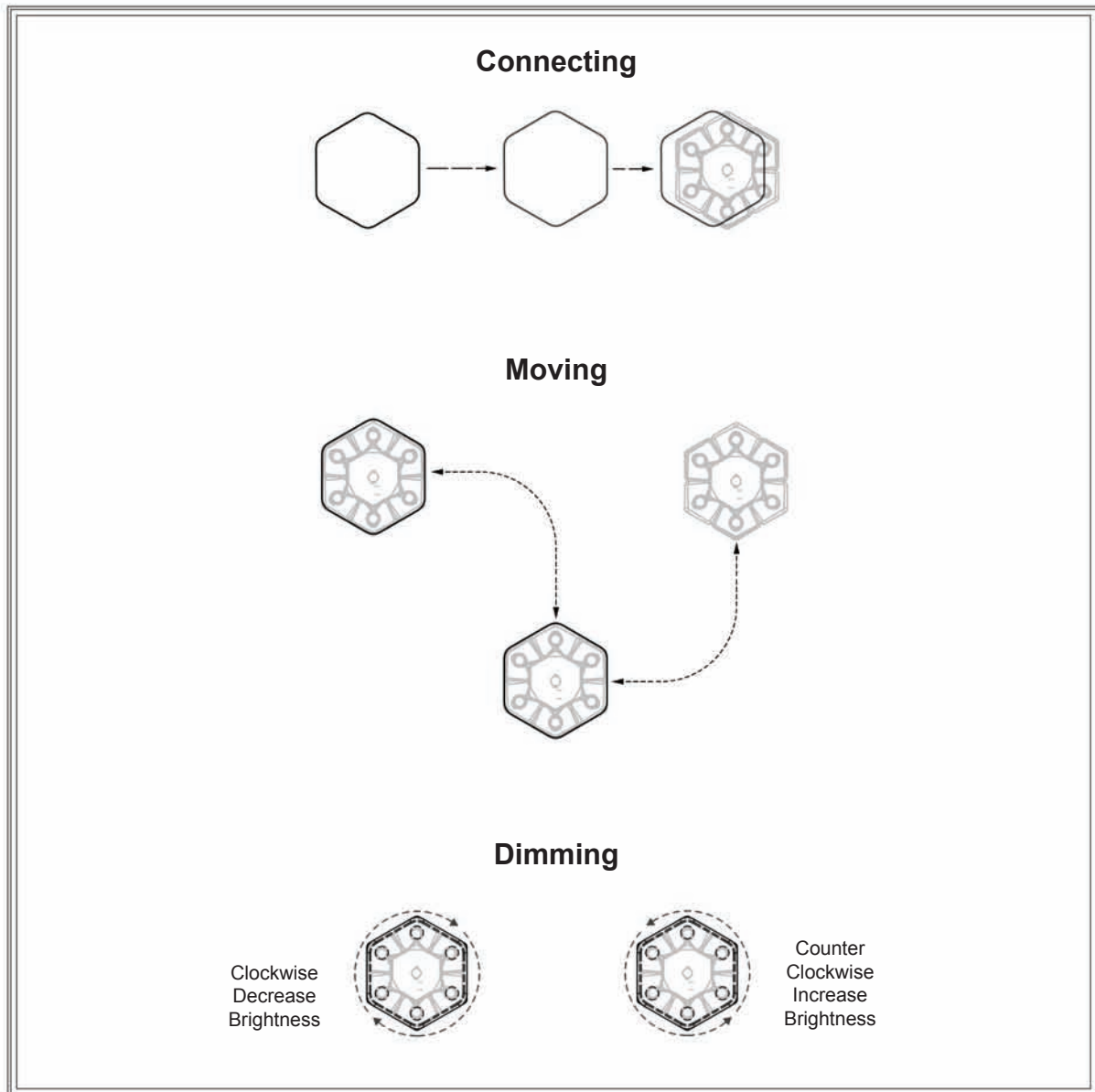
The complete Crypsis system is made up of (a) Glass panel, (b) light units (c) control puck (d) Access power point and transformer (supplied with glass panel)

Once the system is assembled the internal light units can be moved to any area of the glass panel with the external magnetic puck. Light units will maintain illumination in motion, and when static to allow for precise lighting effects.

If several objects are being illuminated from the same panel, light units can be poisoned and dimmed at different intensities. Individual light units can also be inverted, to project light from both sides of the panel.

### Overview

- Panels function both vertically or horizontally
- Can be incorporated into any desired structure
- Numerous light units can be used within a single glass panel
- Light units can be moved and repositioned independently
- Light units can be dimmed individually
- The final system operates at 18V
- Operates on all world voltages and frequencies
- Additional light units and pucks can be added as required
- All light units and pucks are interchangeable
- Plug and connection sockets supplied



**(Connecting)**

With the control puck in hand, move this toward a light unit within the glass. Once the two are in close proximity they will snap into position via magnetic contact and align themselves correctly for repositioning.

**(Moving)**

Once the control puck has attracted an internal light the puck can be moved across the surface of the glass; the light will follow. Once the light reaches a new position the puck can be removed by lifting it away from the surface of the glass vertically.

**(Dimming)**

With the puck connected to the light unit, it can be rotated slowly left or right to increase and decrease light intensity.



