ActiveAhead Control Unit (5605)

A member of the ActiveAhead family of continuously learning wireless lighting control solution, the ActiveAhead Control Unit makes ActiveAhead luminaires anticipate the most suitable lighting conditions right before they are needed.

Communicates with the other ActiveAhead generation 2018 devices including other 5605 as well as 5606 ActiveAhead Control Unit DA devices.

Thanks to its smart software algorithm, it is able to learn how the space is used and operate the lighting based on the actual usage of the area.

Learning is based on the data that the unit receives from locally connected sensors and from other ActiveAhead nodes in the network. Using low energy Bluetooth® radio technology, the ActiveAhead control units build a mesh network through which they share any collected information, such as sensor data in their vicinity.

Since the ActiveAhead Control Unit never stops learning, it will adapt to any future changes in its environment, such as a wall installation or removal.

A mobile app lets you adjust the parameters of a single luminaire, a group of luminaires or a network of luminaires. The parameters include the desired light level, time-out and fade-time, as well as options to group controls and to configure daylight-harvesting mode.

ActiveAhead-compliant LED driver

ActiveAhead Control Unit

ActiveAhead-compatible sensor
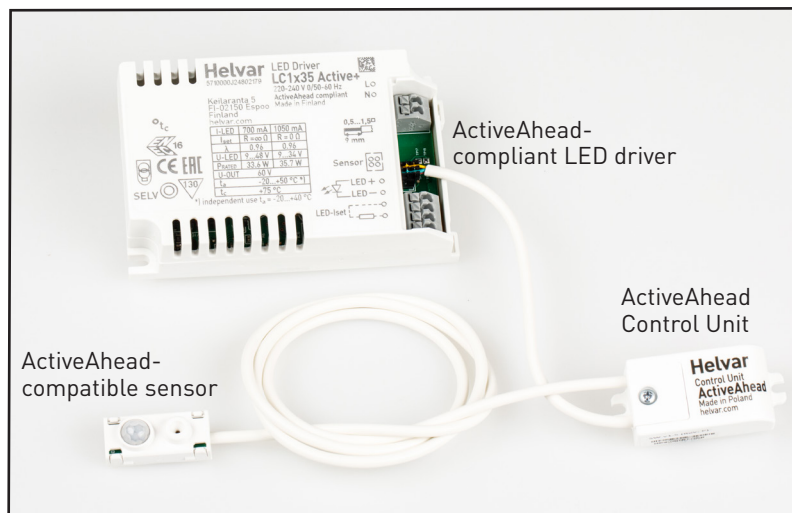
Key Features

- Continuous self-learning which adapts to the actual space usage.
- Out-of-the-box functionality enabling fast and easy installation.
- Easy configuration via Helvar's ActiveAhead mobile app.
- Connects and powers ActiveAhead sensor.
- Links to the 2018 generation ActiveAhead mesh network including other 5605 as well as 5606 ActiveAhead Control Unit DA device.
- Connectivity to mobile devices and to other control devices, such as sensors and wall switches.
- Compatible with ActiveAhead range sensors 3021 Active+ Sense and 3022 ActiveAhead Sense Outdoor.

Technical Data

Mechanical data

Dimensions:	53.5 mm × 25.5 mm × 17.2 mm
Material (casing):	Fire-retardant polycarbonate
Colour:	White (RAL 9016)
IP rating:	IP20
Weight:	11 g
Usage:	Built-in use only

Operating conditions

Operating temperature:	−20 °C to +80 °C
Relative humidity:	Max. 90 %, noncondensing
Storage temperature:	−55 °C to +85 °C

Power

Supply input:	3.3 V (from LED driver)
Consumption:	100 mW

Connectivity

Technology:	Bluetooth® Low Energy (2.4 GHz)
Antenna pattern:	Omnidirectional
Max. distance between control units:	10 m in free space

Conformity and standards

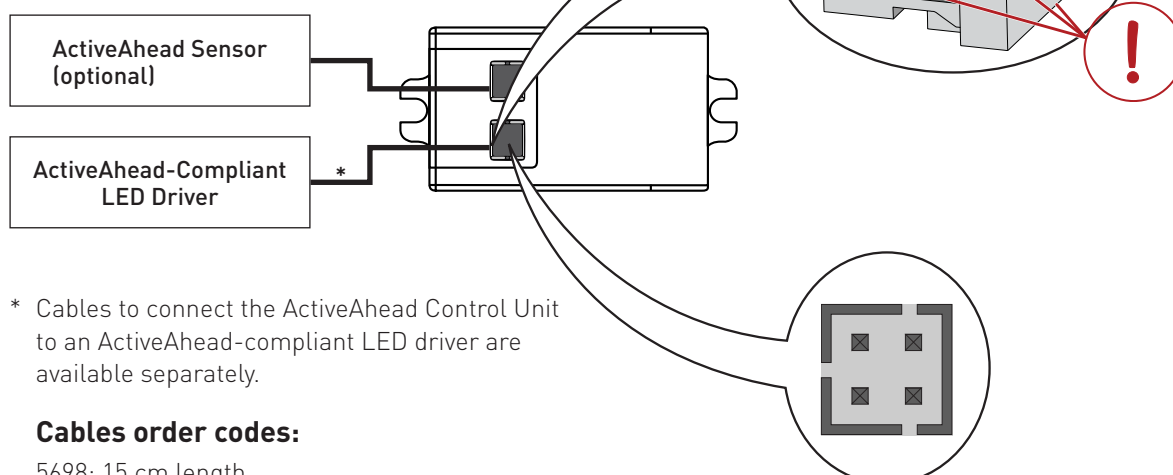|	
Radio:	EN 300328 EN 301489-1 EN 301489-17
Solution:	EN 60598-1 EN 61347-1 EN 61347-2-11
Environment:	Complies with RoHS directive.

Dimensions (mm)
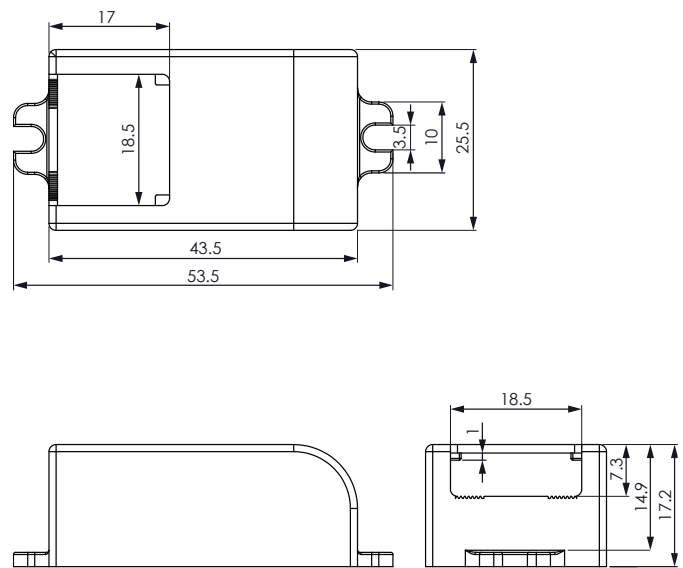
Connections

* Cables to connect the ActiveAhead Control Unit to an ActiveAhead-compliant LED driver are available separately.

Cables order codes:

5698: 15 cm length

5699: 30 cm length