ActiveAhead Adapter DA (5610)

ActiveAhead Adapter DA is a member of the truly intelligent wireless lighting control solution Helvar ActiveAhead®. It enables standard DALI LED drivers to be used in a wireless ActiveAhead luminaire. It connects an ActiveAhead Node and has a DALI output to connect one to four DALI LED drivers.
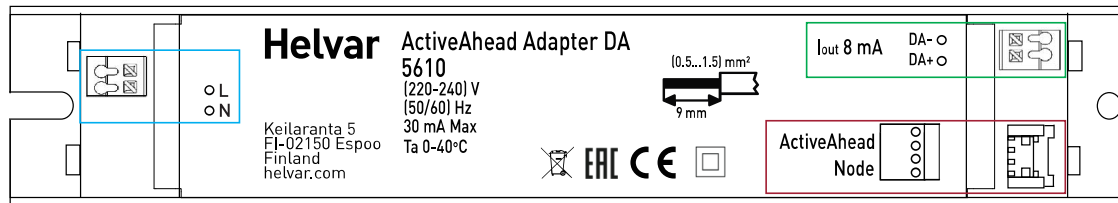
The ActiveAhead solution has the ability to continuously learn from the space usage and adapt the lighting accordingly. Configuration can be easily completed using the ActiveAhead mobile app.
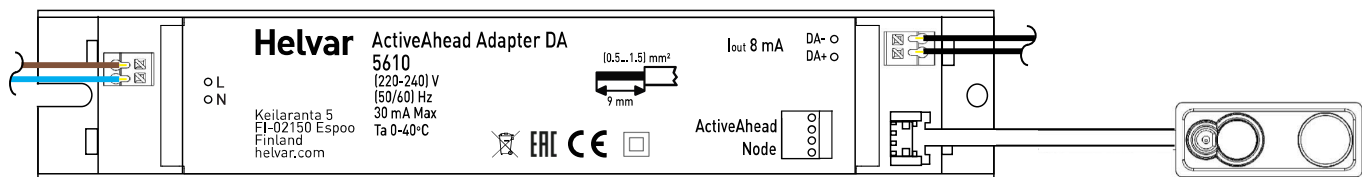
Key Features

- Enables DALI LED drivers to be used in an ActiveAhead luminaire.
- Inbuilt DALI power supply.
- Connects an ActiveAhead Node.
- Part of the ActiveAhead self-learning wireless lighting control solution.
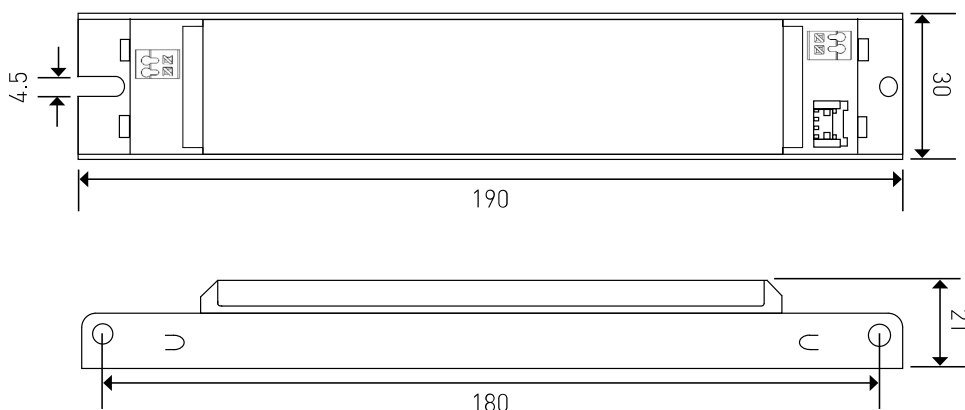- Stain relief (5596000) available.

Connections

The picture below shows how an ActiveAhead Node Sense is connected to a Freedom Adapter DA.

⚠️ Note: Sensor is not isolated from DALI

Dimensions (mm)

Technical Data

Connections	
Mains:	2 × 2-pole push-fit terminals Wire section: 0.5 mm² – 1.5 mm² solid or stranded.
DALI cable:	2 × 2-pole push-fit terminals Wire section: 0.5 mm² – 1.5 mm² solid or stranded.
ActiveAhead Node:	ActiveAhead Node / Node Sense.

Electrical data	
Input voltage range:	220 V – 240 V
Input current:	Max. 30 mA
Input power:	Max. 1.5 W (DALI short circuit)
Input frequency:	50 Hz - 60 Hz
Output current for DALI:	Guarenteed 8 mA (Max. 250 mA)
Node interface:	3.3 V
No load power consumption:	0.15 W
Insulation between circuits & driver case:	Mains circuit - ActiveAhead Node interface and DALI output basic isolated. Mains, Interface and output - Driver case double isolated,

Mechanical data	
Dimensions:	190 mm x 30 mm x 21 mm
Material (casing):	Steel
IP rating:	IP00
Weight:	100 g

Operating conditions	
Number of connected DALI devices:	Max. 4 DALI LED drivers
Max. DALI cable length:	10 m
Operating temperature:	0 °C to +40 °C
Relative humidity:	Max. 85% noncondensing
Storage temperature:	-20 °C to +70 °C

Conformity and standards	
Conformity:	CE UKCA
EMC emission:	EN 55015: 2013
EMC immunity:	EN 61547: 2009
Safety:	EN 61347-1: 2015
Environment:	2011/65/EU RoHS 1907/2006 REACH 2012/19/EU WEEE

5610 ActiveAhead Adapter DA: Datasheet
Data is subject to change without notice.

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