

# Virtual midnight

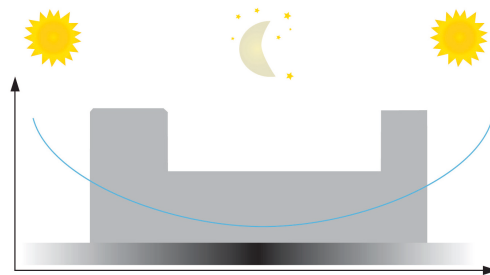
## Ledway Series / Edge Series

This stand-alone system has the advantage of not requiring additional wiring. It is very easy to install and highly reliable: the regulation follows preset steps and the results in terms of energy savings are optimum because the device updates itself automatically based on the system's switching on and switching off times.

The reduction in luminous flux is achieved via a self-learning process performed by the fixture. Based on the previous switching on and switching off times, the device determines a hypothetical virtual midnight value. This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The virtual midnight then becomes the point of reference for light emission reduction according to the specified profile.

In detail every lighting fixture can be equipped with a device that regulates the fixture between two preset power levels based on the "virtual midnight" calculation. This device is built into the fixture and does not require any control cable or any extra operation on the system by the installation technician.

A micro-processor calculates the desired switching time based on the virtual midnight value. The factory settings are 3 hours before (around 22:00) and 4 hours after (around 05:00) the virtual midnight, but the settings can be modified to suit the client's particular needs. We can set up a regulation profile with up to 5 different levels, so that the luminous flux can be varied more accurately, thus giving very flexible control.



### VIRTUAL MIDNIGHT OPTION CODES

Cree Ledway and Edge Series		
Option Code	HL (mA)	LL (mA)
S1	525	175
S2	525	350
S3	350	175
S4	700	350
S5	700	525
S6	700	175