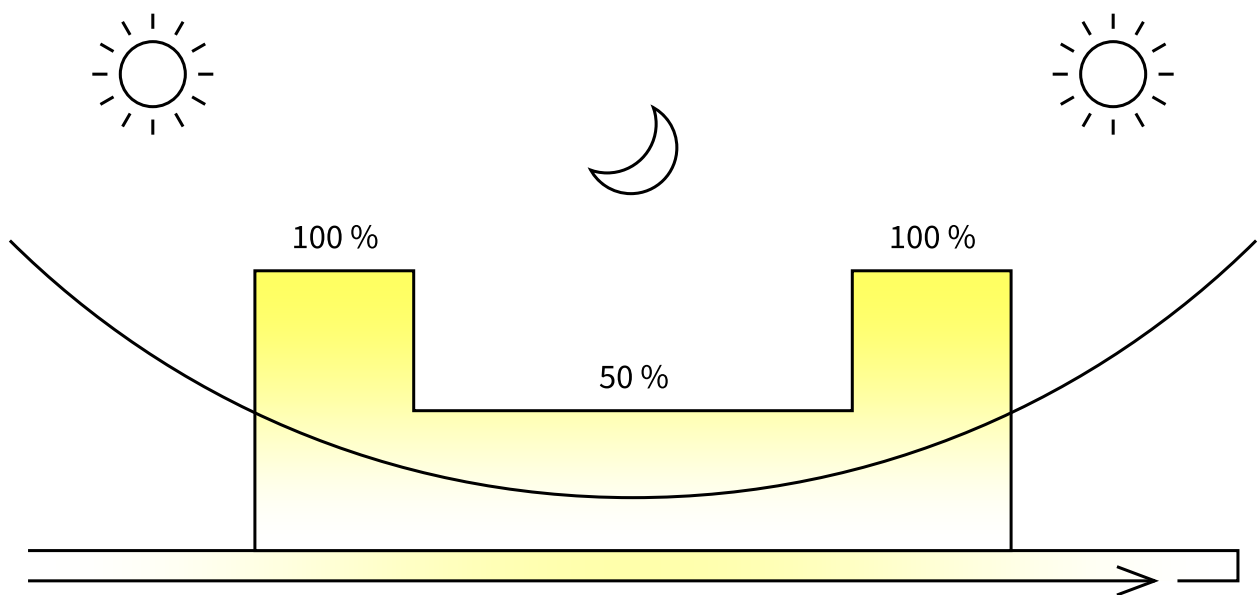




The **AstroDIM** function provides a multi-stage night-time power reduction according to an internal timer that adapts to the system power on/off time. No external control infrastructure is required.

This device automatically implements the dimming profile according to a predefined planned relationship to the midpoint, which is calculated based on the system power on/off times.



#### **SUMMER (June 21)**

Sunset  
20.50 hrs. — approx. 21.00 PM, 3 hrs. to midnight

Sunrise  
04.50 hrs. — approx. 05.00 AM, 5 hrs. from midnight

$3 \text{ hrs.} + 5 \text{ hrs.} = 8 \text{ hrs.} \div 2 = 4 \text{ hrs.}$

21.00 hrs. + 4 hrs. = virtual midnight  
corresponds to **01.00 AM**

#### **WINTER (December 21)**

Sunset  
15.50 hrs. — approx. 16.00 PM, 8 hrs. to midnight

Sunrise  
07.50 hrs. — approx. 08.00 AM, 8 hrs. from midnight

$8 \text{ hrs.} + 8 \text{ hrs.} = 16 \text{ hrs.} \div 2 = 8 \text{ hrs.}$

16.00 hrs. + 4 hrs. = virtual midnight  
corresponds to **00.00 AM**

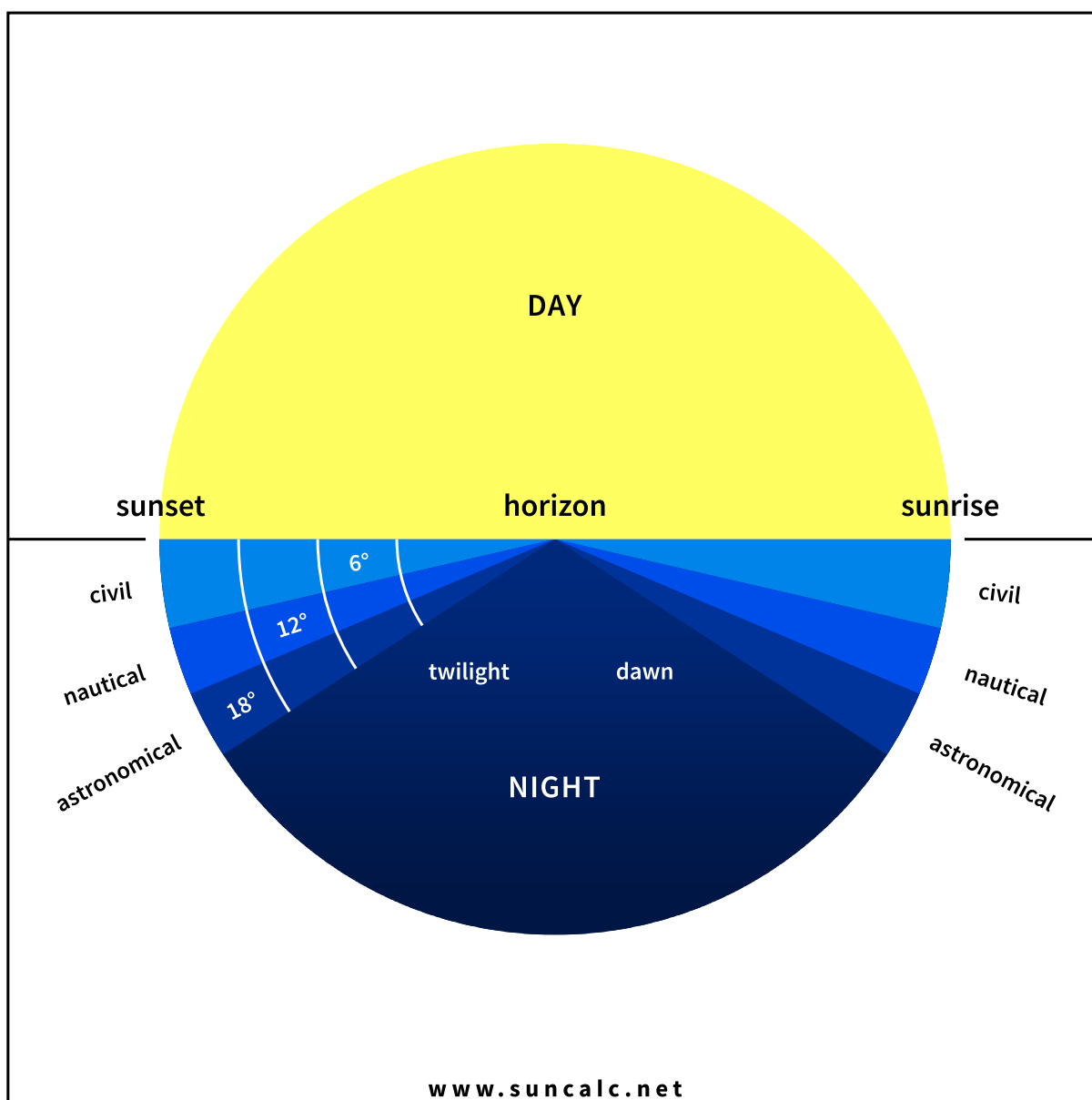


The difference between virtual midnight can therefore differ by up to one hour during the year.

#### SPECIFIC EXAMPLE

Setting **T1 = 1 hrs. 50 %** and **T2 = 4,5 hrs. 50 %**

in summer there will be a switching time of approx. 00.00 and 05.30  
... in winter switching time of approx. 23.00 and 04.30



[www.suncalc.net](http://www.suncalc.net)  
[www.el-lumen.cz](http://www.el-lumen.cz)