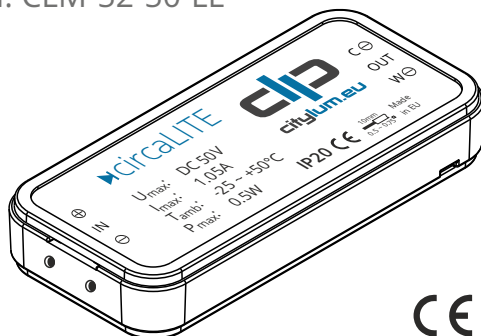


P/N: CLM-52-50-LE



**Application:**

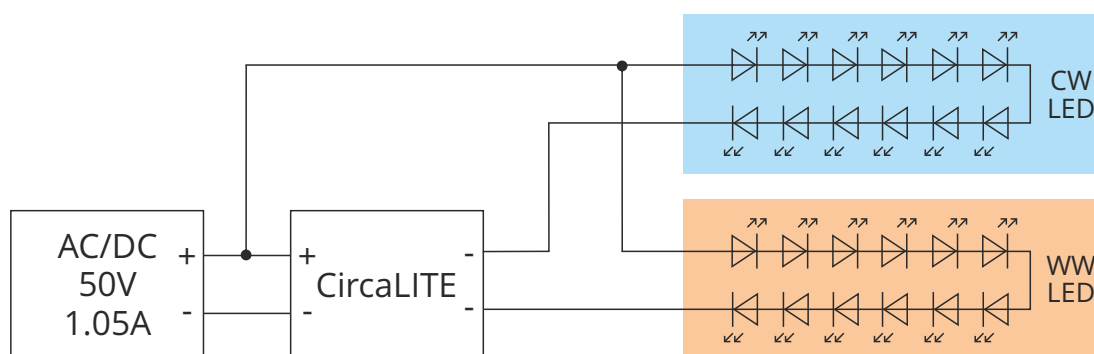
Outdoor LED lighting luminaires

**Features:**

- ▶ Very high efficiency
- ▶ Low-cost design
- ▶ Compatible with any LED power supply
- ▶ Automatic CCT adjustment based on the power setting of an LED power supply

		Min.	Max.	Unit; Description
<b>Input</b>	Voltage		50	V; DC from LED power supply
	Current		1.05	A
<b>Output</b>	Voltage range		50	V; DC
	Current range		1.05	A; per output or sum of outputs
<b>Power</b>	Dissipation	0.3	0.5	W
<b>Protection</b>	Electrical	Inherited from AC/DC LED power supply		
	Ingress	IP20	IP54	
<b>Environment</b>	Ambient temperature	-25	+50	°C
	Storage temperature		+60	°C; max. RH 90%, ABS UL94HB
<b>Physical</b>	Dimensions	75x35x12		mm; LxWxH
	Wire terminals	20AWG (0.50)	18AWG (0.75)	mm <sup>2</sup> ; Wire-to-board, Push In
<b>Other</b>	Design lifetime	100 000		h
<b>Functional</b>	Threshold	25		%; power to change CCT
	Smoothing	0	60	min.; 15=default

Block diagram for CircaLITE module connection

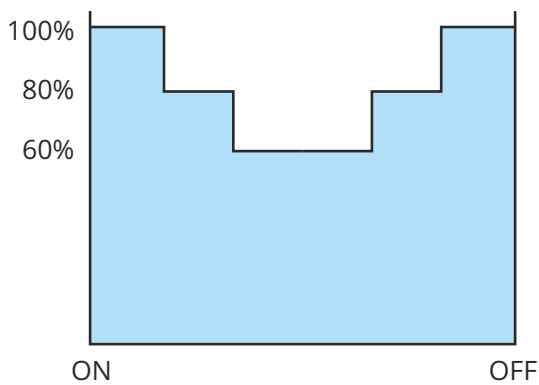


## Description

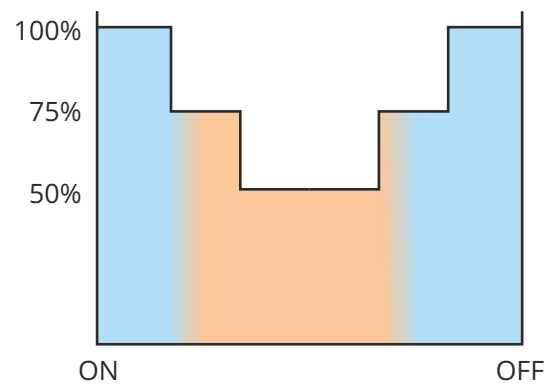
CircaLITE product operates autonomously based on input power change from dimmable AC/DC LED power supply. It is compatible with practically any available LED power supply, including programmable power supplies. CircaLITE senses change in power and switches between outputs if power increase or decrease is greater or equals to threshold level. The change between channels is capable of smoothing to improve lighting experience.

## Example

If CCT change is desired, power change must be equal or greater than the threshold.  
See below graphs for explanation.



Power change is less than threshold  
therefore no CCT change performed.



Power changes are equal or greater  
than threshold. CCT changes performed  
including smoothing function.