

# LIGHTperMETER's concept & technologies

## ADVANCED THERMAL MANAGEMENT

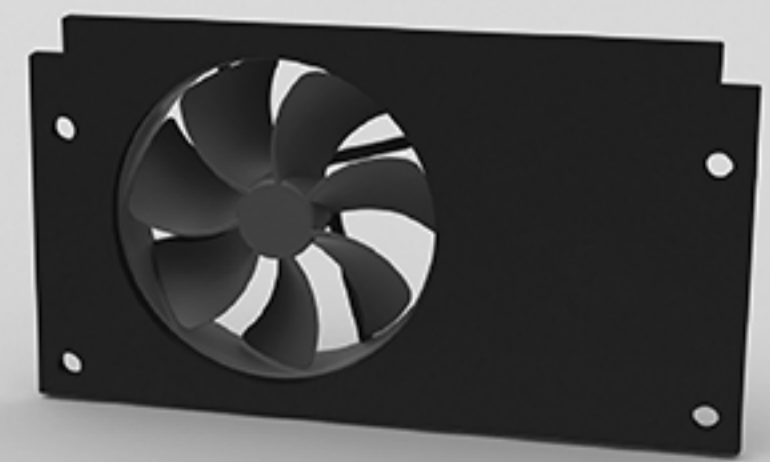
LED lighting advantages include :

- lower power consumption
- longer lifetime
- more compact
- controls ( light management )

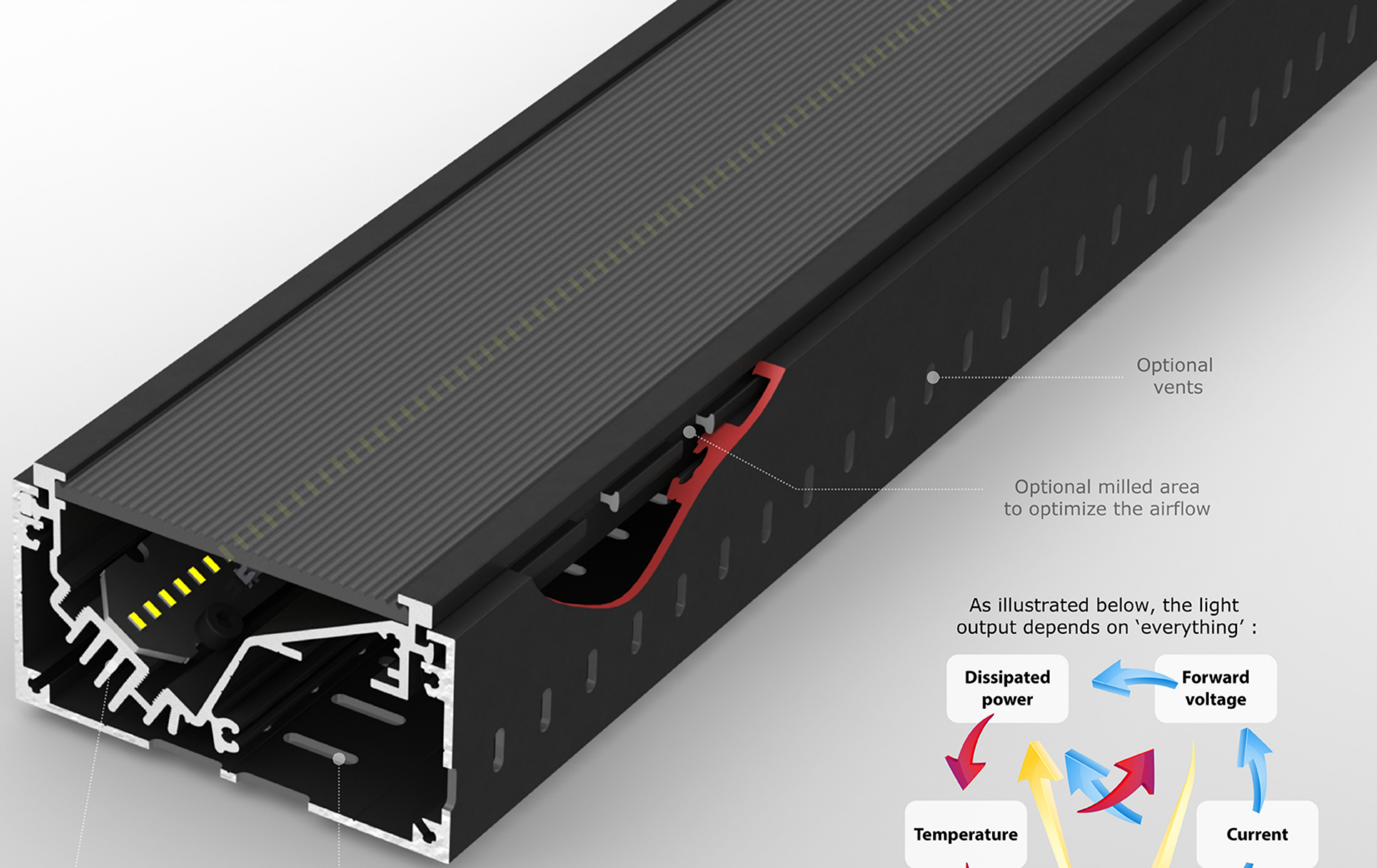
Effective thermal management is key to realizing the advantages of LED lighting. The operating temperature of the LED largely impacts the lighting color and the overall lifetime.



(side cover with vents)



(side cover with fan, in case of active cooling)



Heat sink with cooling fins

Cooling fins with an undulated (wavy) surface increase the heat dissipation area of the fins.

Optional vents

Optional vents

Optional milled area to optimize the airflow

As illustrated below, the light output depends on 'everything' :

