

# Lyon reduces its fountains' energy bills

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In the heart of Lyon city centre, five fountains are illuminated by LED. Entirely fitted with LEC lamps, they provide a magical water-lighting effect for locals and tourists alike:

- [Fountain Place de la République, Lyon](#)
- [Fountain Place Maréchal Lyautey, Lyon](#)
- [Fountain Place Louis-Pradel, Lyon](#)
- [Fountain Place des Célestins, Lyon](#)
- [Fountain Place des Jacobins, Lyon](#)

## Energy savings achieved

- République : 32,000 kW/h annual savings, reducing bills to 1/9<sup>th</sup> of what it was.
- Célestins : 4,222 kW/h annual savings, reducing bills to 1/3<sup>rd</sup>.
- Maréchal Lyautey : 5,400 kW/h annual savings, reducing bills to 1/43<sup>rd</sup>.
- Louis Pradel : 12,755 kW/h annual savings, reducing bills to 1/6<sup>th</sup>.

Figures provided by the [City of Lyon](#).

## Submersible LEC luminaires

LEC offers a wide range of lighting solutions, ideally suited to the constraints of public fountains. In Lyon, two sizes of submersible spotlights – powerful, economical and very longlife – have been installed:



- [4020 - Luminy 2](#)



- [4040 - Luminy 4](#)

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### Categories:

References - Sustainable development

### Tags:

energy saving - fountain - IK10 - IP67 - IP68 - ip69 - thermal protection - water fixtures

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## Technical constraints of fountains

Public fountains expose lamps to three major hazards in particular: water, furring and vandalism.

LEC submersible spotlights use the latest technology to withstand this tough environment:

- **IP68 certification**, a protection index for continuously immersed luminaires
- **IK10 robustness** (20 joules strength) thanks to a vandalproof window
- **Special stainless steel coating** to withstand aggressive fountain chemicals (chlorine, bleach, acid, water-softener, etc)

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- **Thermal protection** to withstand temperature fluctuations, the spotlights automatically turn off if overheating.

LEC also supports [sustainable development](#). The company is ISO 14001 certified for its Environmental Management System relating to the manufacturing and sale of LED lights and product design in accordance with ISO/TR 14062.