ENERGY CONSERVATION & SMART CITY

blachere® illumination

OPTIMISED ENERGY MANAGEMENT

Eco-design and sustainability of equipment as well as smart energy management are all part of a global eco-friendly urban policy. **Blachere Illumination is committed to working alongside towns and cities in developing new solutio**ns to protect our planet and safeguard everybody's future.

With our lighting management systems, you can remotely manage lighting times and detect any problems with a single click.
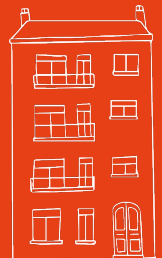
This means it's easier for cities or towns to manage and control electrical resources and fulfil their environmental and sustainable development objectives.

58.2%

Energy savings thanks to management tools

7H/DAY

Lighting with management tools instead of 15h/day (5PM-8AM)

It is time to speed up the "Smart City" momentum to boost energy saving.

TEMPO2

UNIVERSAL "TEMPO2" BOX

By equipping your decorations with the Tempo2 box, you can disconnect them from the public lighting network and they are automatically programmed for 7 hours of lighting.

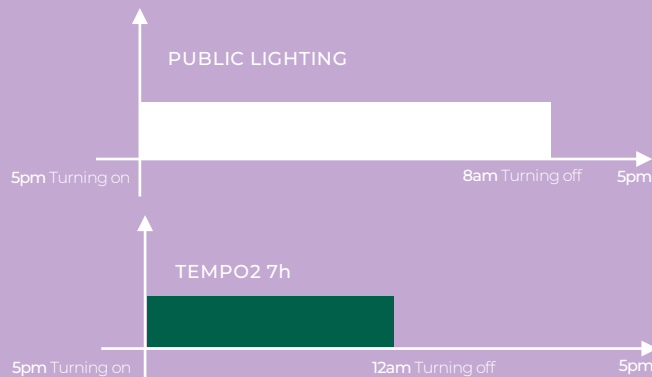Compatible with Octoplus or any other kind of decor with 2P+T.

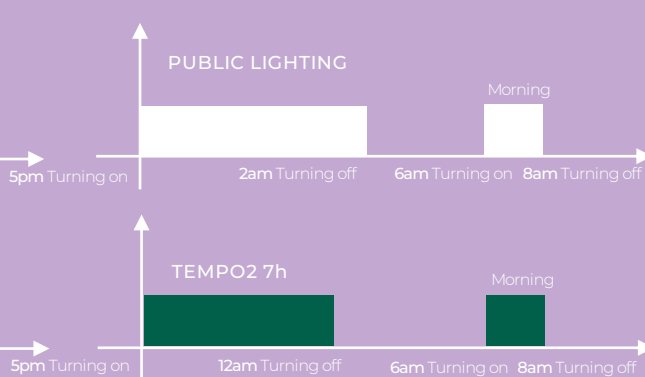Input: 230V - 50Hz Output: 230V - 50Hz 690WMAX

Ref: TEMPO2

Connecting schema

1 On a public lighting network
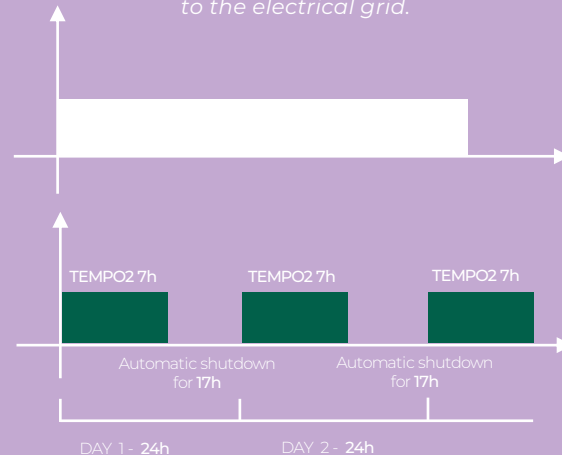
EXAMPLE 1 - Street lighting works all night

PUBLIC LIGHTING

5pm Turning on   8am Turning off   5pm Turning on

TEMPO2 7h

5pm Turning on   12am Turning off   5pm Turning on

The garlands turn on in the morning with the public lights.

EXAMPLE 2 - Street lighting turns on and off

PUBLIC LIGHTING

Morning

2am Turning off   6am Turning on   8am Turning off

TEMPO2 7h

Morning

12am Turning off   6am Turning on   8am Turning off

2 On a permanently powered network

Turn on as soon as the TEMP02 is connected to the electrical grid.

TEMPO2 7h   TEMPO2 7h   TEMPO2 7h

Automatic shutdown for **17h**   Automatic shutdown for **17h**

DAY 1 - **24h**   DAY 2 - **24h**

TEMPO+

"TEMPO+" BOX

By equipping your decorations with the Tempo+ box, you can disconnect them from the public lighting network and you can also set when you want them to switch on and off.

By simply pressing, you can select 5, 6, 7, 8, 9 or 10 hours of lighting and automatic switch-off.
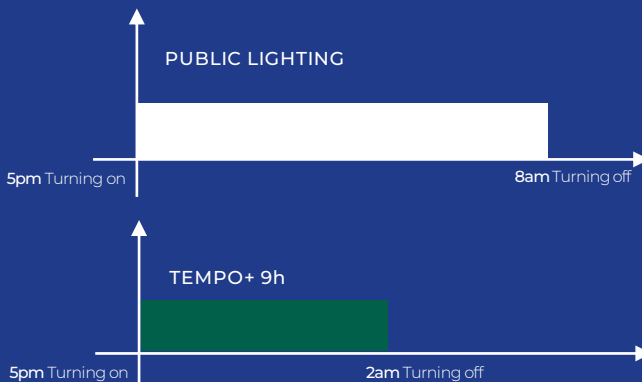
Octoplus compatible.
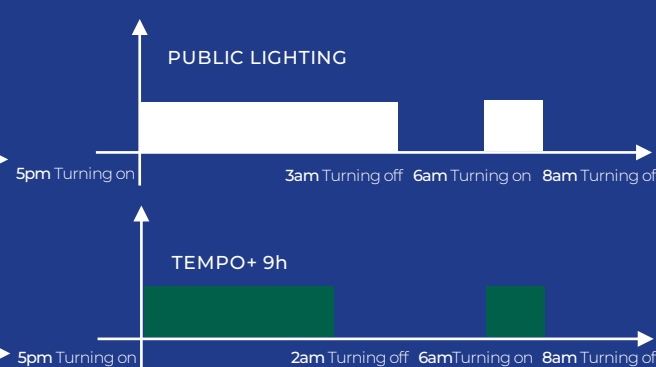
Ref: TEMPO+

Connecting schema

1 On a public lighting network
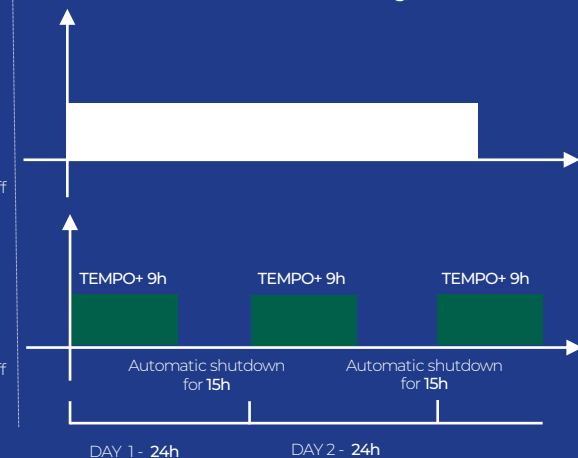
EXAMPLE 1 - Street lighting works all night

PUBLIC LIGHTING

5pm Turning on   8am Turning off

TEMPO+ 9h

5pm Turning on   2am Turning off

The garlands turn on in the morning with the public lights.

EXAMPLE 2 - Street lighting turns on and off

PUBLIC LIGHTING

5pm Turning on   3am Turning off   6am Turning on   8am Turning off

TEMPO+ 9h

5pm Turning on   2am Turning off   6am Turning on   8am Turning off

2 On a permanently powered network

Turn on as soon as the TEMP0+ is connected to the electrical grid.

TEMPO+ 9h   TEMPO+ 9h   TEMPO+ 9h

Automatic shutdown for **15h**   Automatic shutdown for **15h**

DAY 1 - **24h**   DAY 2 - **24h**

SWITCH+ ET ORCHESTRA

SWITCH+ BOX

Equip your lit-up decorations and garlands with Switch+ boxes: on the same street, each of your decorations is equipped with Switch+ boxes, forming a network (maximum distance between decorations: 50 m). This means you can disconnect your illuminations from the public lighting network and you can choose to switch them on only at certain times of the day or year, thus saving energy.

Default pre-programming or custom programming possible.

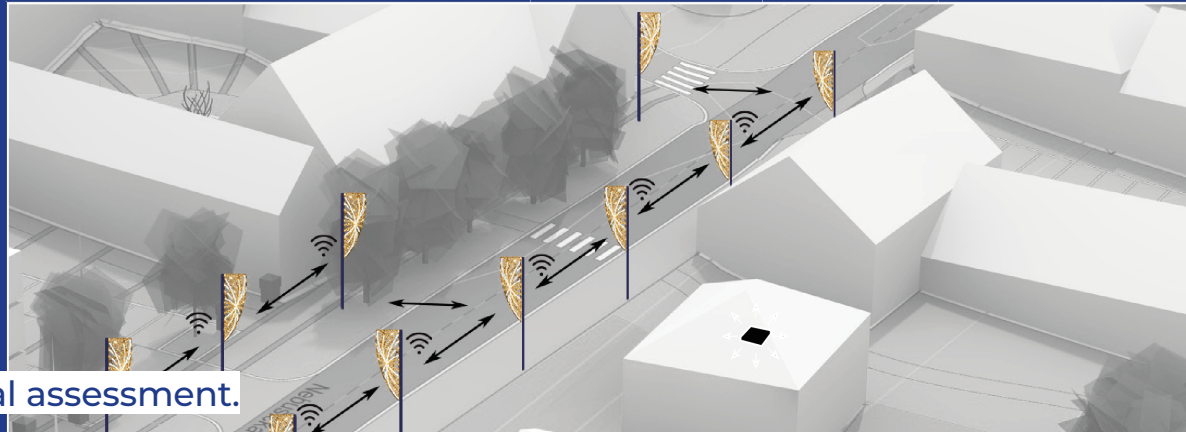**Ref: ask us for a tailored quotation**

ORCHESTRA BOX OPTION

All your decorations are equipped with Switch+ boxes, and you can set up ORCHESTRA relay boxes (maximum distance from the box: 500m). You can control this system via an online interface, accessible from your computer or tablet. You can programme your light displays and the days/times your illuminations are lit up. You have a remote, real-time view of your illuminations performance and energy saving, and you receive an alert if there are any issues.

Ref: ask us for a personal assessment.

SWITCH+ & ORCHESTRA

	Switch+		Option Orchestra
Tracking energy savings	-		●
Creating groups of decorations/trees	●		●
Calendar programming (Days and times for groups to be on)	●		●
Off-site order management	-		●
Remote management of orders	-		●
Managing alerts (problems)	-	**+**	●
Real-time installation monitoring	-		●
Lighting schedule optimisation	●		●
Security via Blachere Smartcloud	●		●
Interface customisation	-		●
Lighting Scenarios (Timing schedules, group management, etc...)	-		

Contact us for a personal assessment.