



# ABSOLUT



The Absolut line	p.1
Ambiance lighting	p.5
Directional lighting	p.7
Connectivity and Electro-mobility	p.9
Security, Sound systems and Signage	p.11
Customisation	p.12

ABEL lighting solutions are at the cutting edge of progress and combine design, functionality and durability. We have over 60 years of know-how, our products adapt to the needs of towns, cities and their users and make all the difference.

We master LED energy efficiency and lighting and guarantee a reasonable

and careful design for successful integration into urban settings.

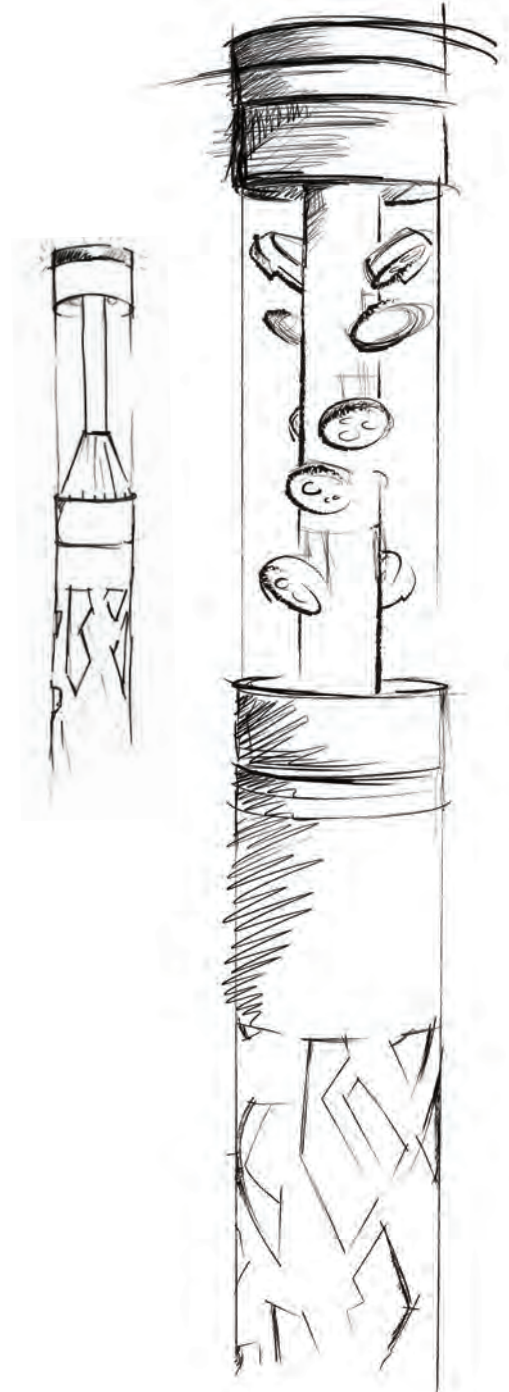
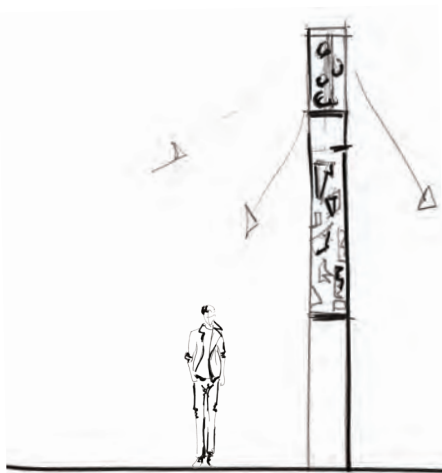
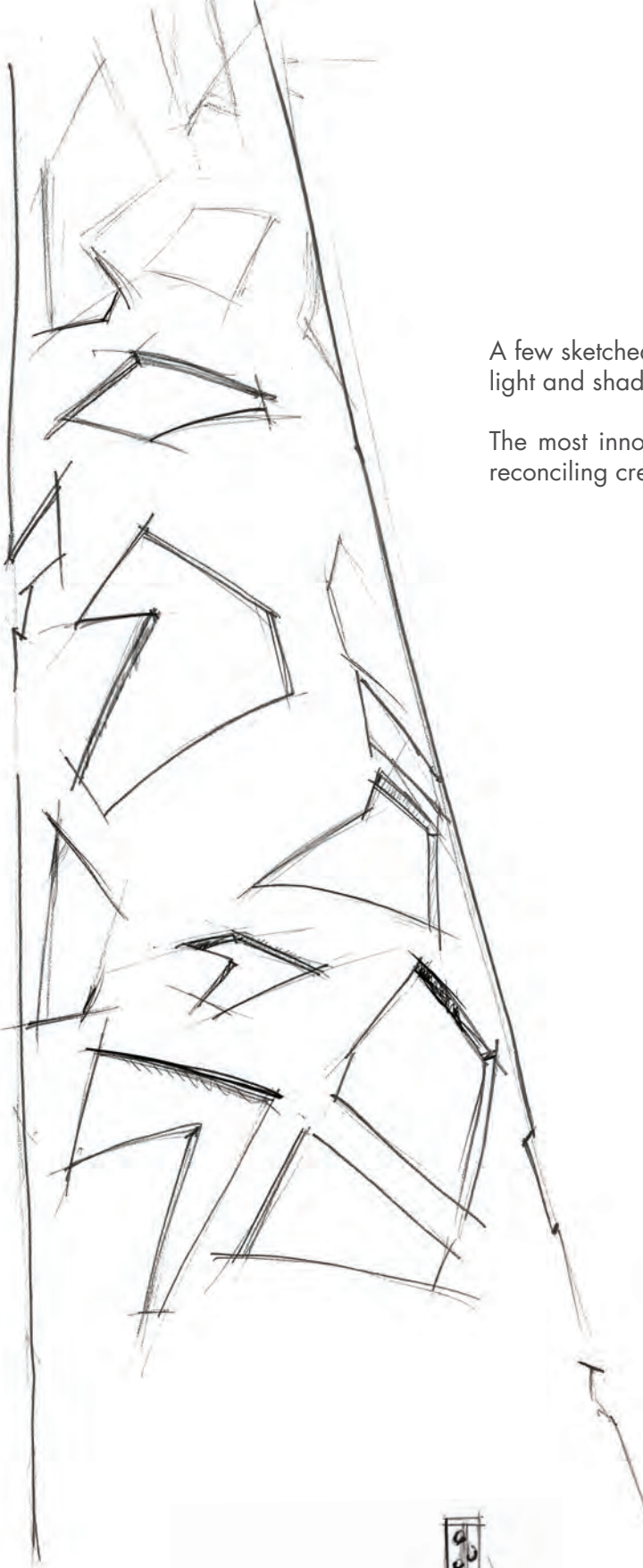
ABEL Lighting privileges local French production on a 13,000 m<sup>2</sup> site at Brive-la-Gaillarde in the Corrèze region of France.

Our production is ISO 9001 Quality and ISO 14001 Environment certified.

## THE ABSOLUT LINE

A few sketched lines give birth to a daring design:  
light and shade, contrast, customisation.

The most innovating thing about the **Absolut line** is the art of  
reconciling creativity with multi-functionality.





*Dynamic lighting*



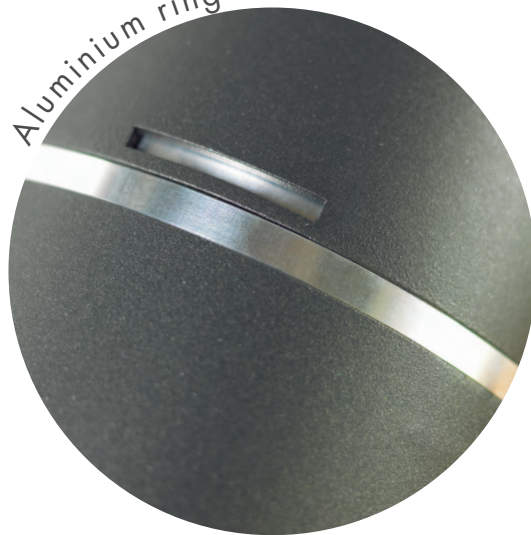
# THE ABSOLUT LINE

**Absolut**, the elegance of a design and customisable lighting column.





Aluminium ring



# AMBIANCE LIGHTING

A creator of consistent lighting spots, mood lighting lights spaces uniformly.

The Ambiance optics are composed of a 4-LED circular module in the top part of the optic.

There are two types of photometry available: symmetrical public square type or asymmetrical road type.







# DIRECTIONAL LIGHTING

Directional lighting, which lends itself to playing with light and shade, strictly complies with the constraints applicable to the flow coming out of the street lamps.

The directional optic is composed of 6 LED floodlights pointing to the ground. The opening angle is factory pre-defined.

This bespoke design combines design and performance and privileges targeted lighting.

The lighting cluster effect creates a light distribution without haloes or pollution for optimum environmental protection.



## CONNECTIVITY



Thanks to the addition of a **Zhaga** connector at the top of the column, the Absolut line can house an external communications and remote management module. This universal socket makes it possible to kit out the column to centralise **lighting management**.



The Absolut line provides for the inclusion of a **WiFi access spot**.

This relay optimises the network connection for mobile users who also take advantage of the recharging spot at the foot of the column.

# ELECTRO-MOBILITY

To meet demand for charging spots, public lighting is adapting and now contributes to implementing **electro-mobility\***.

At the foot of Absolut columns, one to three 220V/16A tamper-proof **electric sockets** calibrated for cycle, kick scooter and wheelchair users are intelligently spread through the public space.



Electric sockets

\*charger not included.

# SECURITY



Customisable columns, with or without lighting, can house **video cameras** selected for their performances and adaptability to public service type uses.

# SOUND SYSTEMS

Towns and cities can manage the sound systems in their public spaces using the **audio equipment** available on the Absolut line.

Taking advantage of its verticality, the Absolut line combines technology and modularity and gives towns and cities structured and functional street furniture.

Signage



sound systems

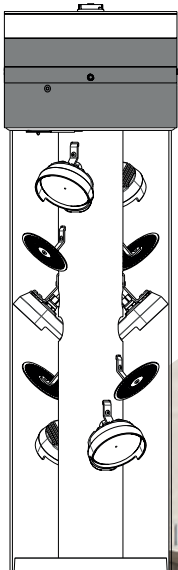


## SIGNAGE

The signage function is offered using a blue coloured top signage. The uniformity of the LED band completes the lighting column's lighting and mood functions and creates a more contrasted visual presence at night.

# CUSTOMISATION

In the **Absolut Deco** line, the mid-column structural module has an openwork Éclats pattern. The module pattern can be redesigned following a study. The creation of an exclusive design unique to the installation, brings style and authenticity. For a signature and optimum contrast, the pattern lights using programmable LED backlighting.



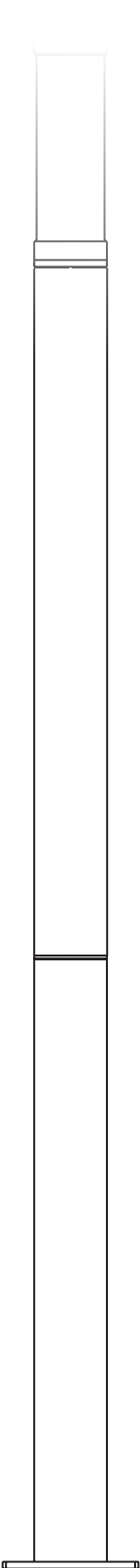
Customisable laser cut

Highlighting heritage, culture, architecture or services.

Programmable lighting



Your composition area





14

43

17

39

16

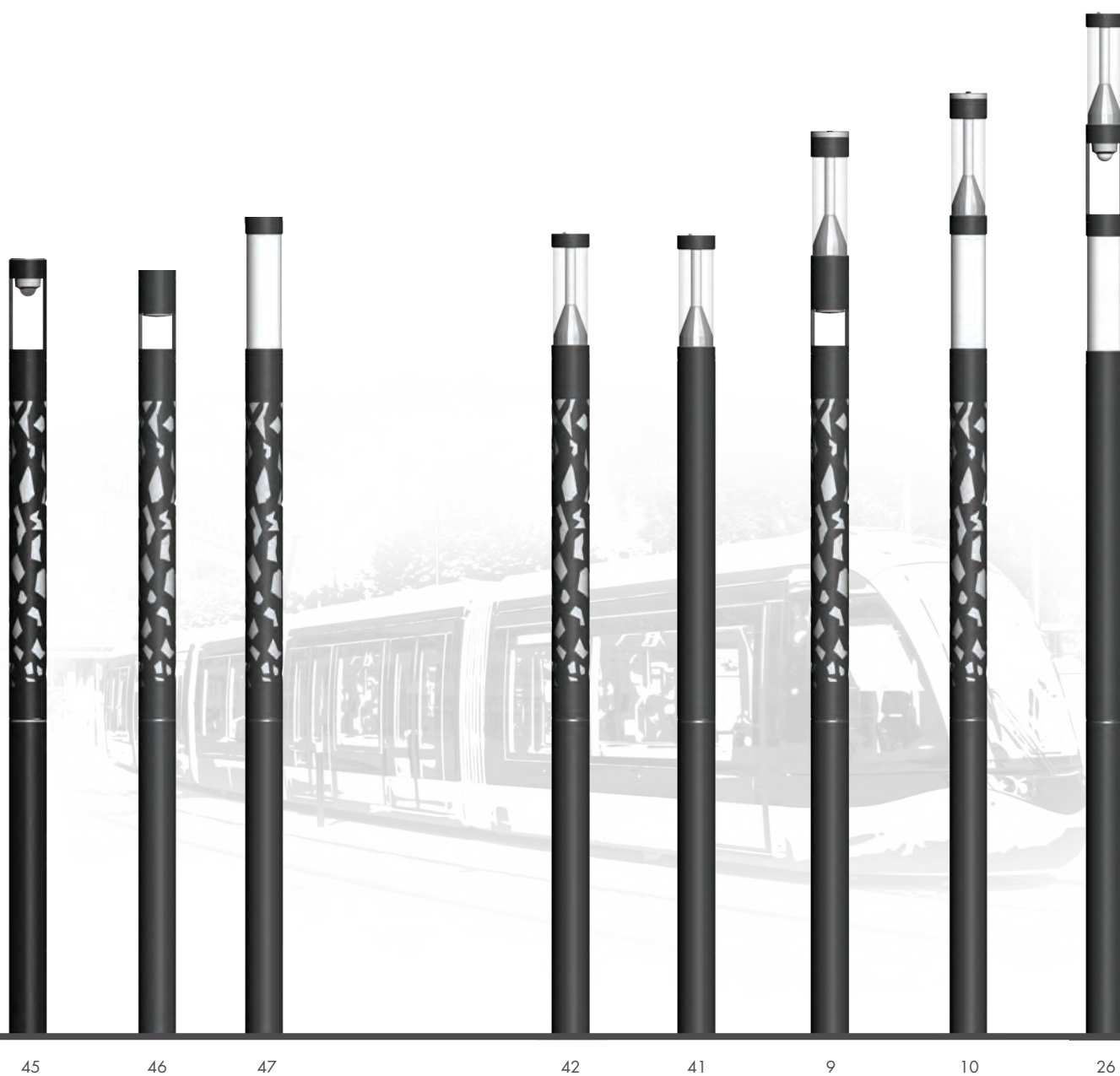
55

59

56



## Overall view of sets



# ABSOLUT RANGE



COLUMNS	MODEL	COLUMN FOOT MODULES		STRUCTURAL MODULES		LIGHTING MODULES		SMART MODULES - UP TO 2 MODULES MAX				ZHAGA PLUG
		STANDARD	ELECTRIC CHARGE	WITHOUT DECO	DECO LIGHTING	AMBIANCE	DIRECTIONAL	CAMERA	SOUND	WIFI	SIGNAGE	
SMART DECO AMBIANCE	1	X			X	X		X				✓
	2	X			X	X		X				
	3	X			X	X			X			
	4	X			X	X				X		
	5	X			X	X		X	X			
	6	X			X	X		X		X		
	7	X			X	X		X			X	
	8	X			X	X			X	X		
	9	X			X	X			X		X	
	10	X			X	X				X	X	
SMART DECO DIRECTIONAL	11	X			X		X	X				✓
	12	X			X		X		X			
	13	X			X		X			X		
	14	X			X		X				X	
	15	X			X		X	X	X			
	16	X			X		X			X		
	17	X			X		X				X	
	18	X			X		X		X	X		
	19	X			X		X		X		X	
	20	X			X		X			X	X	
SMART AMBIANCE	21	X		X		X		X				✓
	22	X		X		X			X			
	23	X		X		X				X		
	24	X		X		X					X	
	25	X		X		X		X	X			
	26	X		X		X		X		X		
	27	X		X		X		X			X	
	28	X		X		X			X	X		
	29	X		X		X			X		X	
	30	X		X		X				X	X	
SMART DIRECTIONAL	31	X		X			X	X				✓
	32	X		X			X		X			
	33	X		X			X			X		
	34	X		X			X				X	
	35	X		X			X	X				
	36	X		X			X			X		
	37	X		X			X				X	
	38	X		X			X		X	X		
	39	X		X			X		X		X	
	40	X		X			X			X	X	
AMBIANCE	41	X		X		X					✓	
DECO AMBIANCE	42	X			X	X					✓	
DIRECTIONAL	43	X		X			X				✓	
DECO DIRECTIONAL	44	X			X		X				✓	
SMART DECO	45	X			X			X				-
	46	X			X				X			
	47	X			X					X		
	48	X			X						X	
	49	X			X			X	X			
	50	X			X			X		X		
	51	X			X			X			X	
	52	X			X				X	X		
	53	X			X				X		X	
54	X			X					X	X		
DECO	55	X			X						-	
CHARGING POINT	56		X	X								-
	57		X	X							X	-
	58		X	X		X		X				✓
DECO CHARGING POINT	59		X		X						-	



# ABSOLUT LINE



## RANGE

Modular and customizable lighting column in 4 parts.  
Possible configurations: see table.

## LIGHTING MODULE

① AMBIANCE LIGHTING	② DIRECTIONAL LIGHTING
4 LED*	6 projectors
85 Lm/W @700 mA 3000 K	90 Lm/W @500 mA 2700 K
35W	54W

\*Lifespan L80 @700 mA @tq = 25°C ≥ 60,000h.  
Less than 50% of the LEDs have an outgoing flux lower than 80% of the initial flux at 60,000h.

### \*AVAILABLE OPTICS:

Square type lighting (SYM 5-2)  
Road type lighting (ASYM 3-3)  
Barrier option.

## STRUCTURAL MODULE

Module with customizable laser cutting.  
Linear meter pattern on ABEL study.  
Programmable RGBW (red, green, blue, white) led backlight. Power consumption 21W.  
PMMA inner tube.  
Standard 48 second scrolling sequence (10 s. per color, 2 s. between).

### MATERIALS - SURFACE TREATMENT

Column base and structure module in aluminum.  
IK10 impact PMMA diffuser.  
Polyester powder paint baked in the oven at 220°C.  
Choice of RAL colors or structured paint.  
Specific paint treatment coast/shoreline on study.

### INSTALLATION / MAINTENANCE

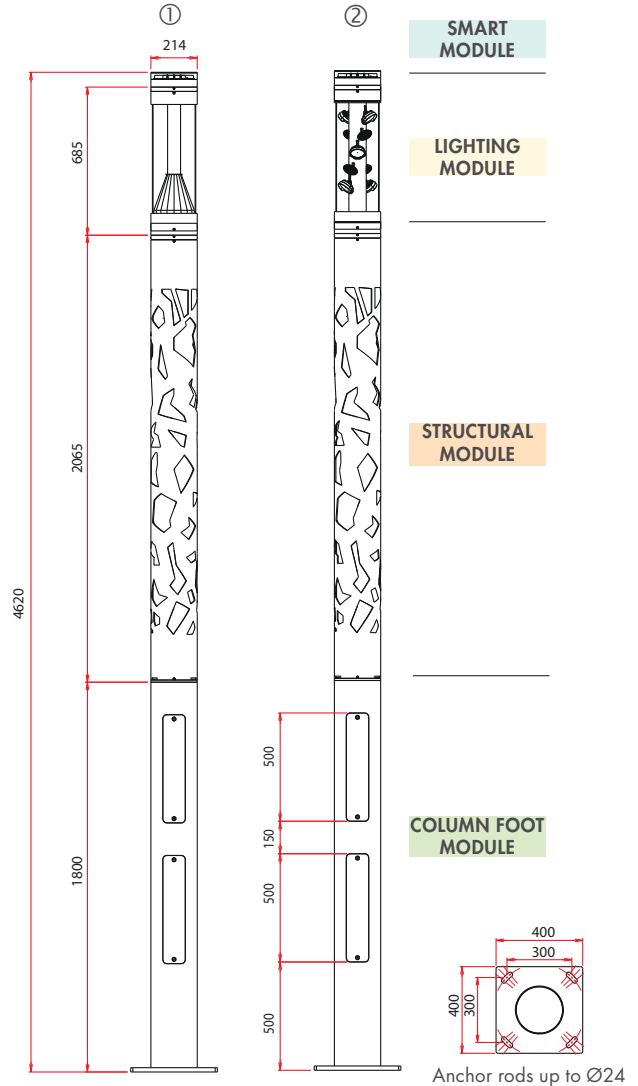
Delivery of complete assembly.  
Access to the equipment through 2 doors 500 mm high.  
Replaceable power supply.  
As an option, surge protection device (SPD) mounted in a box at the foot of the mast.

### OVERVOLTAGE RESISTANCE

Protection against lightning between neutral phase and earth (L-N-G) 10kV-5kA to be provided at the foot of the mast.

### OPTION

Zhaga connector at the top of the column.



## SMART MODULE

Security, Sound and Communication, Connectivity and Signage functions via Smart module of your choice to be installed at the top of the column.  
Two smart modules maximum.



Video camera



Sound system



WiFi antenna



Blue LED strip signage

## • SMART LUM ON AMBIANCE/DIRECTIONAL LIGHTING

Adjusted output power		Point to point control		Group management	Luminous points' management
P-adjust	F-Constant	BP6 Prog	Cycles Prog	VAR	Dali
●	●	●	●	—	●



ZI Cana Est - Rue François Labrousse  
B.P. 80005 - 19317 BRIVE Cedex - FRANCE

Tel.: +33 (0)5 55 23 07 89  
[abel.brive@abeleclairage.com](mailto:abel.brive@abeleclairage.com)

**[www.abeleclairage.com](http://www.abeleclairage.com)**