

EN

**AUBRILAM**

— SPACE COMES ALIVE —

# CONTENTS

## 08 INTRODUCTION



08  
**IDENTITY AND HISTORY**  
*The Aubrilam philosophy*



12  
**STRUCTURA**  
*Design in France, made in USA*



13  
**REFERENCES**  
*A collaboration with clients on every continent*



14  
**THE AUBRILAM OFFER**  
*2 solutions PURE & SMART Space*



16  
**THE AUBRILAM OFFER**  
*PURE Space*

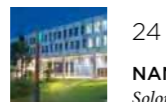


17  
**THE AUBRILAM OFFER**  
*SMART Space*

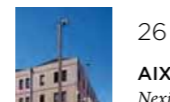
## 18 PURE SPACE *Examples of projets*



20  
**PERPIGNAN**  
*Euro ImmoBilia*



24  
**NANCY**  
*Solorem*

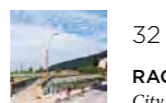


26  
**AIX-EN-PROVENCE**  
*Nexity Business Ywood*

## 28 SMART SPACE *Examples of projets*



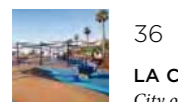
30  
**AMIENS**  
*Amiens Aménagement*



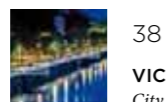
32  
**RAON L'ÉTAPE**  
*City of Raon l'Étape*



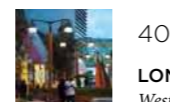
34  
**LES SABLES D'OLONNE**  
*City of Les Sables d'Olonne*



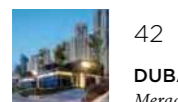
36  
**LA CIOTAT**  
*City of La Ciotat - MPM*



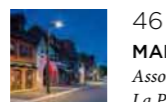
38  
**VICHY**  
*City of Vichy*



40  
**LONDON**  
*Westfield Group*



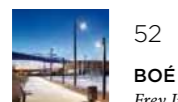
42  
**DUBAÏ**  
*Meraas Holding*



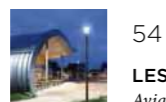
46  
**MARLENHEIM**  
*Association of Municipalities La Porte du Vignoble*



48  
**RENNES ALMA**  
*Unibail Rodamco*



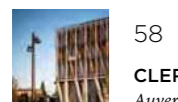
52  
**BOÉ**  
*Frey Immobilier*



54  
**LESPERON**  
*Avia Picoty*



56  
**JAUNAY CLAN**  
*Avia Picoty*



58  
**CLERMONT-FERRAND**  
*Auvergne Regional Council*

## 60 NEW PRODUCTS



60  
**NEW PRODUCT**  
*Rendez-Vous benches*



66  
**NEW PRODUCT**  
*Natty XL lighting column*



67  
**NEW PRODUCT**  
*Natty bollards*

## 68 COLOUR CHART *Collection 2014*



70  
**SHADES**  
*The timeless collection*



72  
**SHADES**  
*The natural collection*



74  
**SHADES**  
*The mineral collection*

## 76 SERVICES - MAINTENANCE - MATERIALS



76  
**SERVICES**  
*Guiding you through every stage of the project*



80  
**MAINTENANCE**  
*A simple guide to easy maintenance*

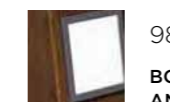


84  
**SPECIFICATIONS AND STANDARDS**  
*Of materials chosen by Aubrilam*

## 86 TECHNICAL SHEETS



87-97  
**UTYL LIGHTING POINTS**



98-103  
**BOLLARDS AND LIGHTING COLUMN**



104-113  
**UTYL FURNITURE**



114-115  
**UTYL SHELTERS**



116-120  
**SOLEA FURNITURE**



121  
**RENDEZ-VOUS BENCHES**



122  
**AREA SHADE SHELTER**



123  
**BAMBOO CHARGING POINT FOR ELECTRIC VEHICLES**



124-131  
**COLUMNS**



132-135  
**BRACKETS**



136-137  
**CROWNS AND ACCESSORIES**



138-139  
**SOLUTION DETAILS**

140 Wind catching areas

143 Concrete foundation

146 General conditions of sale

148 Contacts

HISTORY AND VALUES

# THE AUBRILAM PHILOSOPHY

FOR OVER 35 YEARS

The story of Aubrilam began in 1978 with an order from the town of Brioude in the Haute Loire where the company had a woodworking workshop for a series of wooden lighting columns. The company was launched and began by focusing on the transformation of laminated timber into shafts for lines of outdoor products: namely lighting columns and bollards.

From the very outset Aubrilam chose to pursue its development in France and abroad by concentrating on the production of lighting columns and street furniture for local authorities and equipment for restaurant chains to become **one of the world's leading specialists in the supply of products for outdoor facilities with over 500,000 products in place worldwide.**

**At the same time the company has permanently sought to perfect its expertise and know-how** to offer only the very best in many different fields.



The factory, located in Brioude, Auvergne.

## MANUFACTURING

Aubrilam is specialized in the design and manufacture of glued-laminated columns and furniture for public spaces and the catering industry.

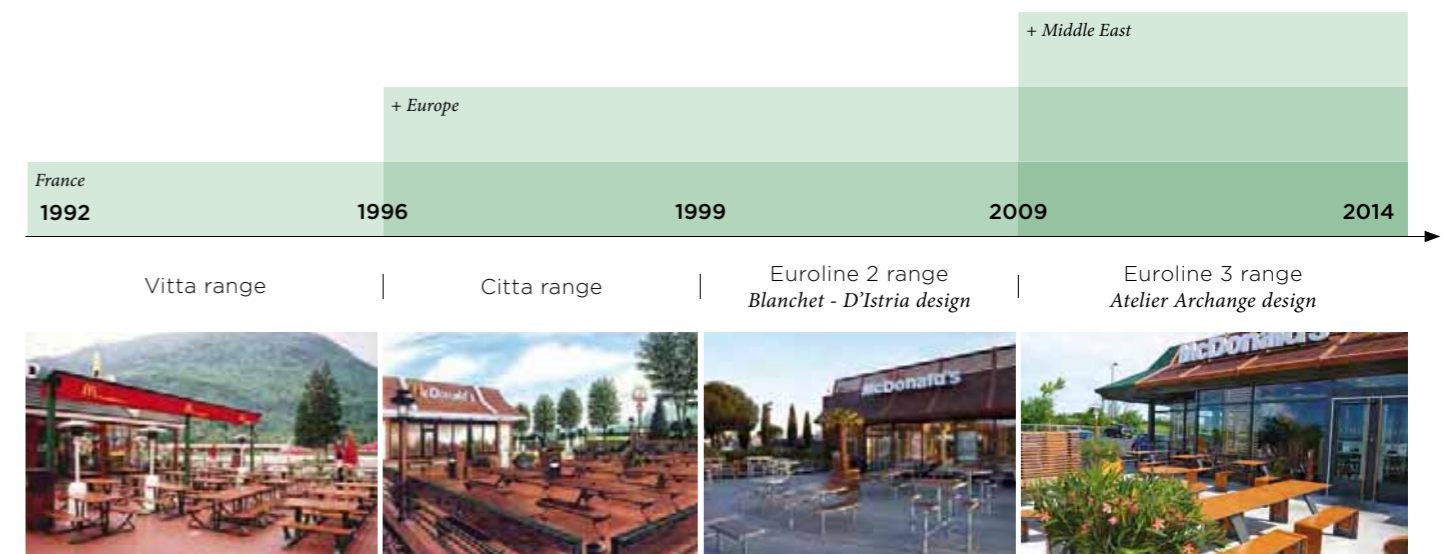
The columns, between 3 and 16 m high and up to 25 m for tailored needs are designed for all types of environments and climatic conditions, even the most extreme, from barren and arid zones to areas subject to cyclones, sea fronts and mountainous regions. They are manufactured in line with CUAP (Common Understanding for Assessment Procedure) procedures and have received CE approval. The certified ACERBOIS GLULAM wood is carefully selected to comply with all technical and sustainability requirements.

Some products lines produced by Aubrilam, namely the bollards, lighting columns and points and the Bamboo charging points for electric vehicles benefit from development partnership agreements with some of the world's leading brand names (BEGA for lighting and HAGER for Bamboo).



1. Beach walk - Dubaï.  
2. Morzine - France.  
3. Boxel - Netherlands.

SINCE 22 YEARS,  
PARTNERSHIP WITH McDONALD'S



## KEY FIGURES

- More than 4 500 terraces equipped since 22 years in more than 40 countries
- Since 2010: more than 250 terraces equipped per year

## EUROLINE 3: A SMART SOLUTION

## DESIGN TO COST

- DRAWINGS
- QUOTATIONS
- ORDER ADMINISTRATION
- FLAT PACKED DELIVERY
- SHIPMENTS
- ASSEMBLING AND FIXATION TO THE GROUND





### AESTHETIC APPEARANCE AND DESIGN



UTYL by Flavard & Saguez.

During the design process, Aubrilam works alongside designers to ensure its products perfectly integrate the existing architecture and surroundings to create a sensation of harmony and coherence. Huge efforts are also made with regard to the quality of the materials used and the finished aspect of the products.

The creation of colour charts with unique wood and metal combinations that fit in with all types of architecture is a major asset for both the clients and project specifiers. Public spaces have gradually become lively places in their own right and have enhanced their attractiveness as a result.

### PRODUCT MAINTENANCE

Aubrilam is highly concerned with the durability of the projects it works on, hence the creation of a fully-fledged product maintenance department.

### ENVIRONMENTAL SUSTAINABILITY

Aubrilam is, and has always been, concerned by the challenge of environmental sustainability.

In 2006 the company integrated a Life Cycle Analysis process in line with ISO 14040 and 14025 standards to provide data on the environmental profile and ecological footprint of each of its products. This makes it possible to calculate the environmental impact of a complete development project and to advise clients in their efforts to reduce the energy consumed.

The origin of the wood, the quantities used and choice of sub-contractors are major concerns for Aubrilam. The wood it selects is untreated and comes uniquely from sustainably managed forests.

In 2011 the company also set up an Environmental Management System at its production site in line with ISO 14001 standards as part of the continued improvement of its environmental performance.



### TODAY

Meeting today's new requirements such as the design of more energy-efficient projects, the needs for tighter cost-control and also the necessity to create intelligent and sustainable projects, our regularly improved and updated product and service offer is ready to take on both existing and future challenges.

**Propose appropriate solutions for all types of outdoor space projects** for enhanced performance, either standard or tailored, while developing new skills and know-how to satisfy all market requirements, wherever the project may be...

**Make life easier for our clients** by providing comprehensive product-service solutions thanks to our PURE & SPACE multi-level service offer based on three founding values: **Elegant - Ecological - Economical...**

... THIS IS **AUBRILAM'S** TRADEMARK





CLIENTS

# STRUCTURA

DESIGN IN FRANCE  
MADE IN USA

Since 2013, the Aubrilam brand extends its presence in North America. It is present through licensed production with Structura Company which owns its production facility and commercial network.



Aubrilam product ranges are then manufactured and marketed in the USA. Aubrilam and Structura share a common vision in various areas such as the product range offering, research, development, production and market areas.

# REFERENCES

A COLLABORATION WITH MANY CLIENTS  
ON EVERY CONTINENT



McDonald's - Olympic park, London, 2012.



Ekaterinburg, Russia, 2012.

## RESTAURANTS CHAINS

- Autogrill
- Casino restauration
- Courtepaille
- Flunch
- La Pataterie
- Léon de Bruxelles
- McDonald's
- Pat à Pain

## LOCAL AUTHORITIES FRANCE

- Amiens - Bailleul sur Thérain
- Besse en Chandesse - Bussy Saint Georges
- Cannes - Château de Chantilly
- Clermont-Ferrand - La Ciotat - Le Grand Bornand
- Les Sables d'Olonne - Morzine - Nancy - Perpignan
- Saint Denis (La Réunion) - Strasbourg
- Balma Gramont Toulouse - Valence - Vichy

## EXPORT

- Abu Dhabi Municipality (United Arab Emirates)
- Belfast (United Kingdom)
- Chelsea College of Art & Design of London (United Kingdom)
- Connswater (United Kingdom)
- Dream Forest Park (South Korea)
- Dubai Municipality (United Arab Emirates)
- Firenze (Italy) - Katwijk (Netherlands) - Saïdia (Morocco)
- Roads and Transport Authority (United Arab Emirates)

And many more for over 35 years...

## PROPERTIES DEVELOPERS

- Bouygues Immobilier
- Gicram
- Icade
- Kaufman and Broad
- MGM Constructeur
- Nexity Business Ywood

## PROPERTIES

- Apsys
- Carrefour Property
- Etixia (Kiabi)
- Frey Immobilier
- Hammerson
- Immochan
- Inter Ikea
- Meraas (United Arab Emirates)
- Mercialis (Groupe Casino)
- Oxylane (Decathlon)
- Unibail Rodamco
- Westfield London (United Kingdom)

## MOTORWAY SERVICE AREA

- Agip Eni
- Avia Picoty
- Avia Thevenin Ducrot
- BP Delek
- Total Argedis

## RECREATION CENTER

- Belambra Clubs
- Center Parcs
- Club Med
- Disneyland Paris

## RETAIL CHAINS

- Casino
- Coop Atlantique
- Leroy Merlin
- Système U

SOLUTIONS

# THE AUBRILAM OFFER

## PURE AND SMART SPACE: AN OFFER DESIGNED FOR ALL OUTDOOR SPACES

The number and type of outdoor spaces is almost limitless and whether they are public or private, urban or landscaped, in temperate zones or exposed to extreme weather conditions, they all need developing in order to create lively spaces and flows.

Our aim is to find the ideal solution in line with the limitations and needs of each site to create a harmonious, unique, vibrant and sustainable place.

Today, Aubrilam brings you two solutions with a multi-level service offer:



OPERATIONAL & FUNCTIONAL  
EXCELLENCE



EXCLUSIVITY & INNOVATION

**PURE SPACE and SMART SPACE**  
offer a comprehensive package of services  
to successfully carry out a project including site  
analysis, colour-coding advice and also installation  
and worksite follow-up all the way through to  
post-installation maintenance.



JAUNAY CLAN Motorway service area - France.



DEVELOPING SITES BY FOCUSING ON THE ESSENTIAL

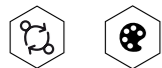
AN EXCLUSIVE AND INNOVATIVE SOLUTION TAILORED TO THE SITE



**PURE SPACE:** this solution has been designed for projects for which the choice of furniture and **speed of execution** are paramount. PURE SPACE is ideal for sites in terms of enhanced **functionality** and **cost** while offering a refined design. PURE SPACE guarantees operational and functional excellence.



**SMART SPACE** is an extension of PURE SPACE. This solution is ideal for projects in which **innovation and originality** are the key factors. SMART SPACE means enhancing spaces through a carefully tailored approach to street furniture with **a detailed cost-benefit analysis**. It is the ideal solution for existing and future smart cities.





**The Pure solution**, a combination of functional design and outstanding performance.

A range of solutions tailored to your needs and the site.

A comprehensive service offer for quick and easy project development.



France

# PERPIGNAN

Le Mas Saint Pierre

—  
EURO IMMOBILIA

—  
PROJECT

Street lighting, parking areas and surroundings.  
Residential zone.



△  
Operational and functional solution  
Showcasing the architecture





#### PROJECT MEMBERS

**Client - Contracting party**  
Euro ImmoBillia

**Architect**  
MDR

**Landscaping**  
Ici et Là Paysage

**Engineering and Design**  
JCK Ingénierie

#### PRODUCTS

**A** Squared tapered column  
single and double lighting  
**SILEA 6 M - 8 M**  
*Product description page 125.*

**B** Lighting bollard  
**MOSHI**  
*Product description page 98.*

#### SERVICES

**A** Advice and support  
Advice in the choice of products

**B** Computer-generated  
images





PROJECT

France  
**NANCY**  
 Artem  
 —  
**SOLOREM**  
 —  
 PROJECT  
 Lighting / lighting design of landscaped gardens and surroundings.  
 Urban zone.

△  
 Products adapted to the lighting project

PRODUCTS




A Squared column  
**MOSHI XL 4 M - 5 M**  
 Product description page 124.



PROJECT MEMBERS

**Client - Contracting party**  
 SOLOREM  
 —  
**Architect**  
 ANMA  
 —  
**Engineering and Design**  
 EGIS  
 —  
**Lighting design**  
 Agence ON

SERVICES

-  Advice and support  
 Advice in the choice of products
-  Computer-generated images
-  Environmental impact assessment





**PROJECT MEMBERS**

**Client - Contracting party**  
Nexity Business Ywood

**Architect**  
Tangram Architectes

**PRODUCTS**

**A** Squared lighting point  
**UTYL HIT 70 W**  
*Product description page 94.*

**B** Squared lighting column  
**UTYL LED 44,2 W**  
*Product description page 97.*

**C** Lighting bollard  
**MOSHI**  
*Product description page 98.*





**D** Litter bin  
**MOSHI**  
*Product description page 113.*

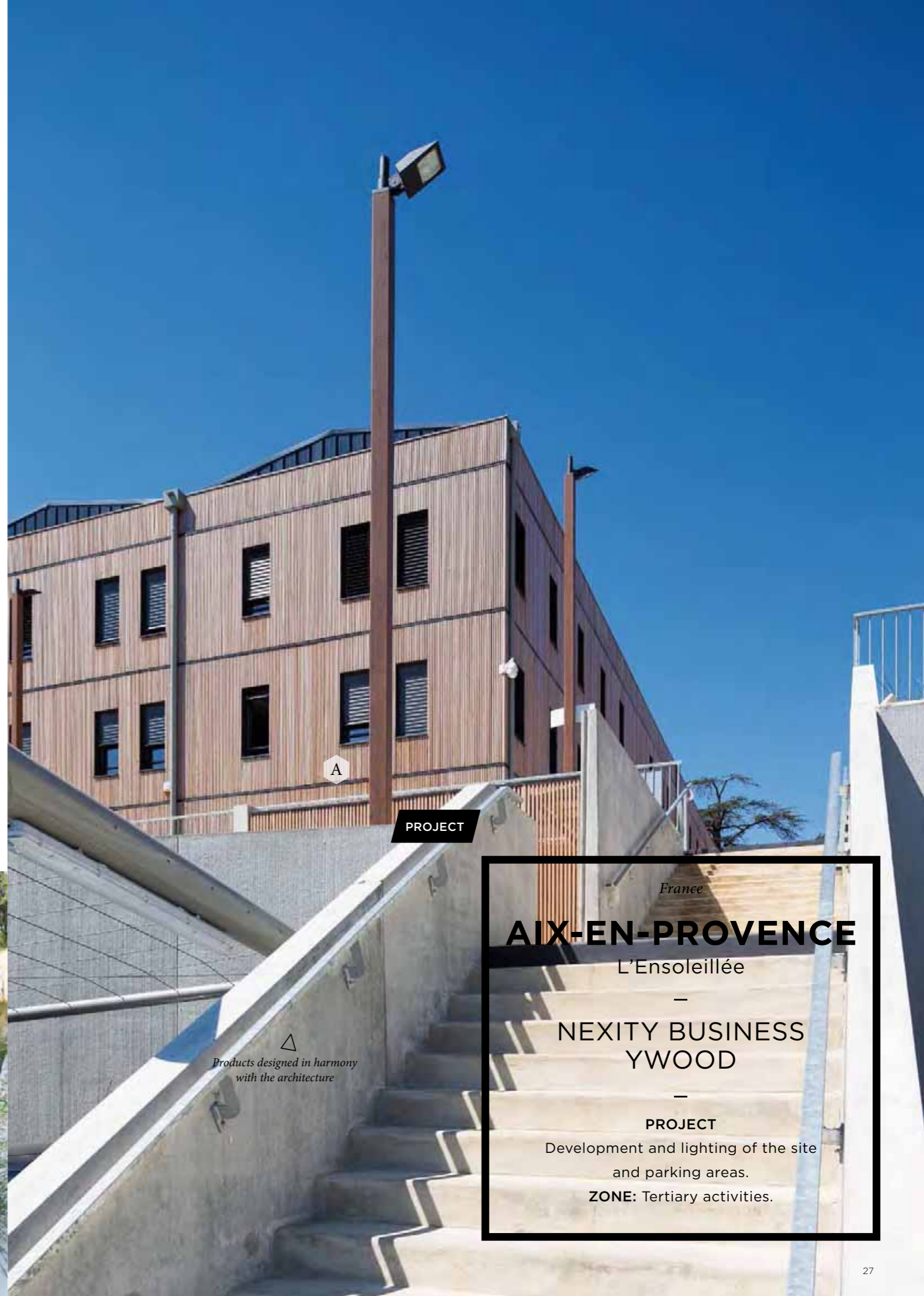
**E** Cycle stand  
**UTYL**  
*Product description page 109.*

+ charging point for electric vehicles **BAMBOO** *Product description page 123.*



**SERVICES**

-  Layout advice
-  Lighting studies
-  3D simulations
-  Installation and worksite coordination



**PROJECT**

France

**AIX-EN-PROVENCE**

L'Ensoleillée

—

**NEXITY BUSINESS YWOOD**

—

**PROJECT**

Development and lighting of the site and parking areas.

**ZONE:** Tertiary activities.

*Products designed in harmony with the architecture*



**Smart** is Pure + an exclusive and innovative solution tailored to the site.

Showcasing the site and project through innovation, design and originality.





PROJECT

France

# AMIENS

Îlot Tellier Esplanade

## AMIENS AMÉNAGEMENT

PROJECT

Lighting / lighting design  
of the esplanade.  
Urban zone.

Engineering and advanced feasibility studies  
Design tailored to the site  
Products adapted to the lighting project



PROJECT MEMBERS

**Client - Contracting party**  
Amiens Aménagement


**Architect**  
AUA Paul Chemetov


**Landscaping**  
Empreinte

**Engineering and Design**  
OGI

**Lighting design**  
Scène publique, Agathe Argod  
assisted by Flore Siesling

SERVICES

 Advice  
and support

 Advice and support  
Design and customisation of accessories  
Structural calculations  
Dimensioning and checking operations  
As-built drawings

PRODUCTS

 Very high round  
tapered column  
**ATHENA XL 14 M**  
Product description page 129.





PRODUCTS

**A** Round column  
**SUMU XL 5 M**  
Product description page 126.

**B** Single and double bracket  
**RÂ**  
Product description page 135.

+ round tapered column  
**DÔME XL 9 M**  
Product description page 127.

PROJECT MEMBERS

**Client - Contracting party**  
City of Raon l'Étape

**Architect**  
Atelier Cité Architecture

**Landscaping**  
ARPAE

**Lighting design**  
Scène publique

**Structural design**  
Groupe Alto

**Hydraulics and roads and utility services engineering**  
Sinbio



SERVICES

Advice and support

Computer-generated images

Design and customisation of accessories  
Dimensioning and verification operations  
As-built drawings



PROJECT

France

**RAON L'ÉTAPE**  
The banks of the Meurthe  
—  
CITY OF RAON L'ÉTAPE

**PROJECT**

Lighting / lighting design of pedestrian areas and streets.  
Urban zone and river banks.



Products designed in line with the lighting project  
Designed to enhance the site



PROJECT

France

# LES SABLES D'OLONNE

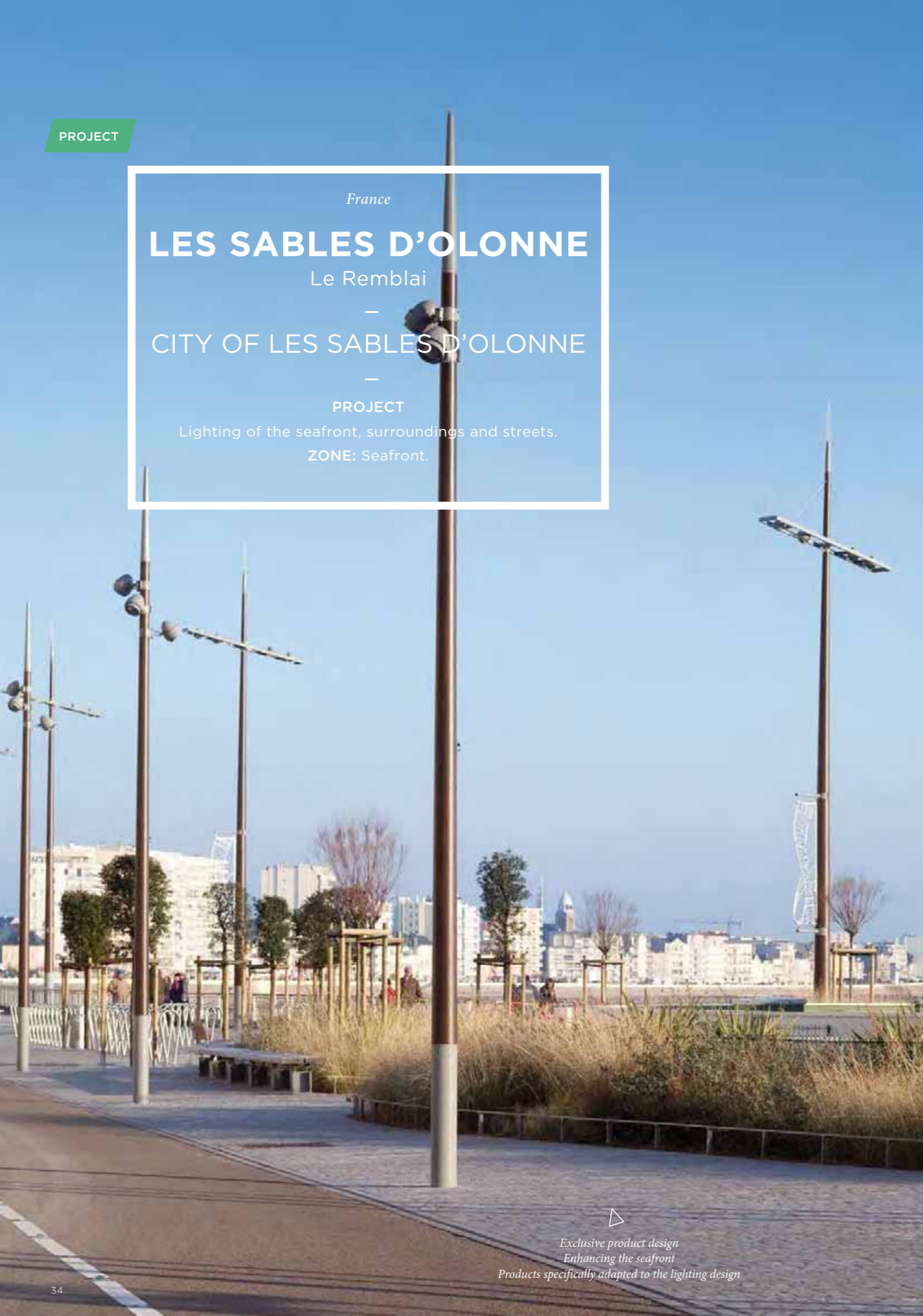
Le Remblai

## CITY OF LES SABLES D'OLONNE

PROJECT

Lighting of the seafront, surroundings and streets.

ZONE: Seafront.



Exclusive product design  
 Enhancing the seafront  
 Products specifically adapted to the lighting design



B  
 C



A

PROJECT MEMBERS

**Client - Contracting party**  
 City of Les Sables d'Olonne

**Delegated management contractor**  
 SyDEV

**Architect**  
 Atelier d'Architecture et d'Urbanisme  
 Lancereau & Meyniel

**Lighting design**  
 Agence Concepto

PRODUCTS

**A** Very high round tapered column  
 with lighting batten for spotlights and fairy lights  
**DÔME XL 14 M**  
*Product description page 129.*

**B** Round tapered column  
**DÔME XL 8,20 M**  
*Product description page 127.*

**C** Aluminium spike extension  
*Product description page 136.*

SERVICES

**A** Advice  
 and support

**B** Design and customisation of accessories  
 Structural calculations  
 Dimensioning and checking operations  
 As-built drawings





PROJECT MEMBERS

**Client - Contracting party**  
City of La Ciotat - MPM

**Project manager**  
ENVEO Ingénierie

**Specifier**  
Eric Giroud

**Shelter design**  
Ateliers Aude Cayatte

PRODUCTS





**A** Round tapered column  
**DÔME XL 4 M - 7 M - 9 M**  
*Product description page 127.*

**B** Squared tapered column  
**SILEA XL 10 M**  
*Product description page 125.*

**C** Customised  
sail mast.



SERVICES

-  Advice and support
-  Computer-generated images  
Colour-coding
-  Environmental impact assessment
-  Design and customisation of accessories  
Structural calculations  
Dimensioning and checking operations  
As-built drawings



PROJECT

France

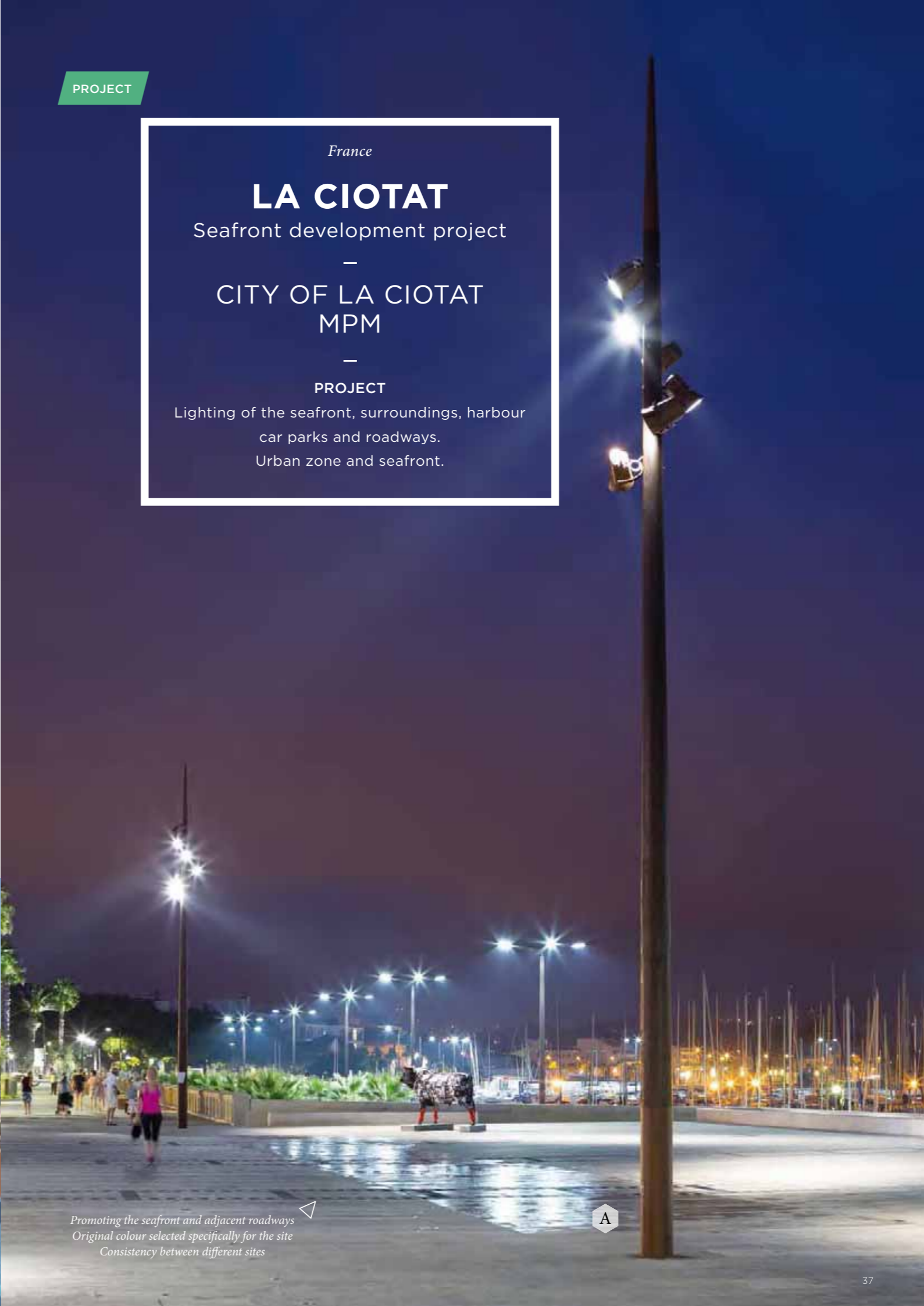
**LA CIOTAT**

Seafront development project

**CITY OF LA CIOTAT**  
**MPM**

PROJECT

Lighting of the seafront, surroundings, harbour car parks and roadways.  
Urban zone and seafront.



Promoting the seafront and adjacent roadways  
Original colour selected specifically for the site  
Consistency between different sites





PROJECT

France

# VICHY

The banks of the Allier

—

## CITY OF VICHY

—

PROJECT

Lighting the banks of the Allier, surrounding areas, beach zones, walkways and streets.  
Urban zone and river banks.



PRODUCTS

- A** Round tapered column with pointed top  
**DÔME 7 M**  
*Product description page 127.*
- B** Single bracket  
**VEGA**  
*Product description page 134.*
- C** Spike extension  
*Product description page 136.*

PROJECT MEMBERS

**Client - Contracting party**  
City of Vichy  
—  
**Architect**  
**Landscape designer representative**  
AXE SAONE  
—  
**Engineering and Design**  
INGEDIA - BIOTECH

SERVICES

- Advice and support
- Computer-generated images
- Environmental impact assessment
- Dimensioning and checking operations  
As-built drawings





A

C

B

Design and materials in harmony with the site

PROJECT

United Kingdom  
**LONDON**  
 Westfield Stratford City  
 —  
**WESTFIELD GROUP**  
 —  
 PROJECT  
 Lighting / lighting design of forecourts  
 and public walkways.  
 ZONE: Shopping mall.



PROJECT MEMBERS

**Client - Contracting party**  
 Westfield Group


PRODUCTS


**A** Round tapered column  
**DÔME 4,5 M**  
*Product description page 127.*

**B** Double bracket  
**ELEA**  
*Product description page 134.*

**C** Lighting bollard  
**LADY LED**  
*Product description page 99.*

SERVICES

 Advice  
 and support

 Dimensioning  
 and checking operations



PROJECT

United Arab Emirates

# DUBAI

Beach Walk

## MERAAS HOLDING

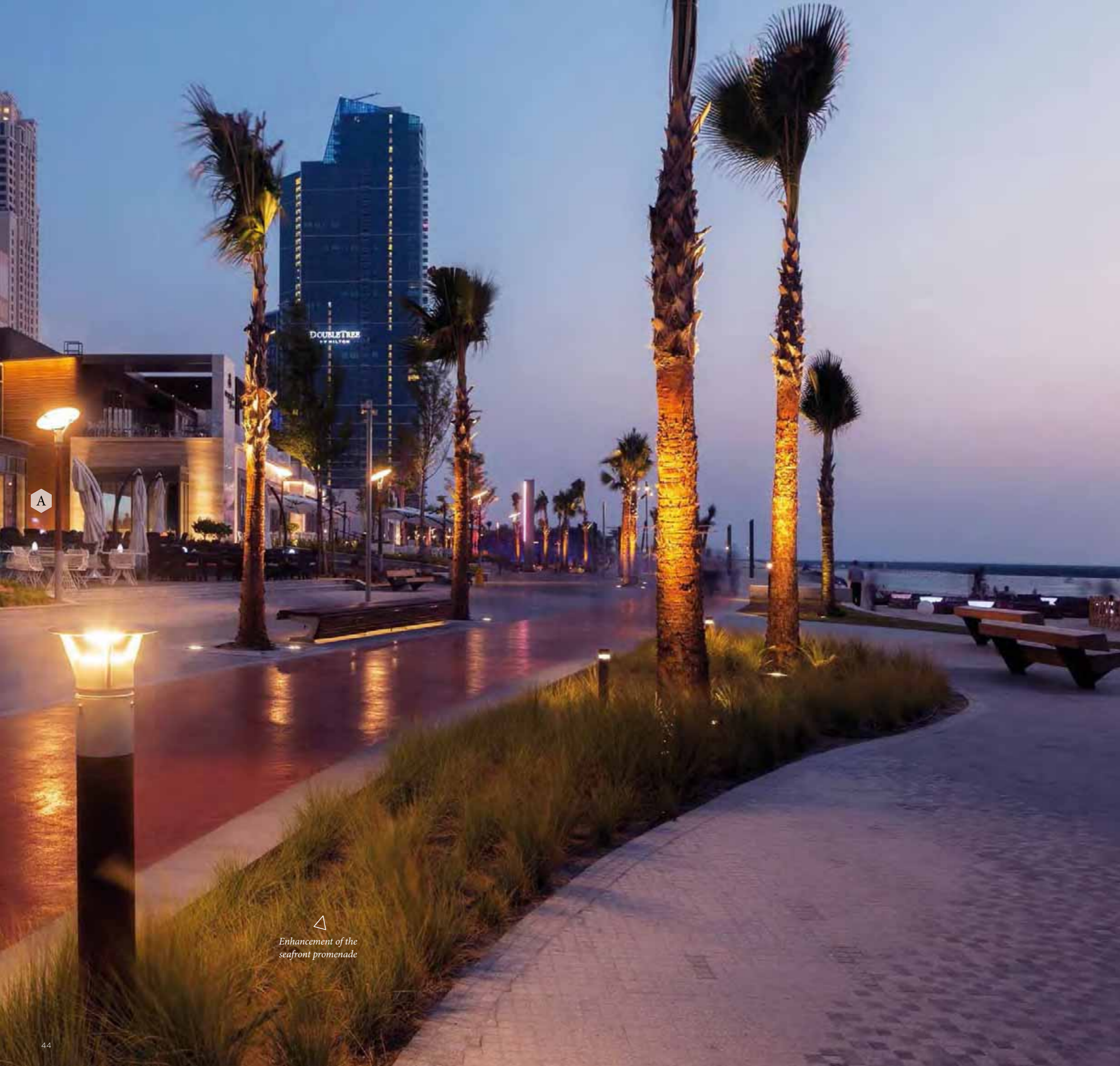
PROJECT

Lighting / lighting design for the seafront and promenade.

ZONE: Seafront.







Enhancement of the  
seafront promenade

#### PROJECT MEMBERS

**Client - Contracting party**  
MERAAS Holding

**Architect**  
Benoy


**Landscaping**  
Cracknell


**Lighting design**  
CD+M's Bill Johnson

#### PRODUCTS

**A** Round tapered column  
**DÔME XL 4 M**  
*Product description page 127.*

#### SERVICES

 Advice  
and support

 Dimensioning  
and checking operations





PROJECT

France

# MARLENHEIM

Marlenheim high street

ASSOCIATION OF MUNICIPALITIES  
LA PORTE DU VIGNOBLE

PROJECT

Street lighting.

ZONE: High street.

A



Consistent and user-friendly lighting



A

PROJECT MEMBERS





**Client - Contracting party**  
Association of municipalities La Porte du Vignoble

**Engineering and Design**  
ECOTRAL

PRODUCTS

A Squared tapered column  
single or double lighting  
**SILEA XL 7 M**  
*Product description page 125.*

SERVICES

-  Advice in the choice of products
-  Computer-generated images
-  Environmental impact assessment
-  Design and customisation of accessories  
Structural calculations  
Dimensioning and checking operations  
As-built drawings





PROJECT

France

**RENNES ALMA**

Shopping centre

—

**UNIBAIL RODAMCO**

—

PROJECT

Development and lighting of car parks and surrounding area.

ZONE: Shopping centre.



E G



B



A

PROJECT MEMBERS

- Client - Contracting party**  
Unibail Rodamco
- 
- Architect**  
Saguez & Partners
- 
- Engineering and Design**  
SETUR - BEG  
Performance Partner
- 
- Lighting design**  
Voyons voir

PRODUCTS

- A** Round tapered column  
**DÔME XL 5 M**  
*Product description page 127.*
- B** Kakemono and signage supports  
*Product description page 137.*





E

**PRODUCTS**

**C** Round tapered column  
**DÔME XL 7 M - 9 M**  
*Product description page 127.*

**D** Bracket  
**CATELAM**  
*Product description page 133.*

**E** Diapason and PRM bollards,  
ashtrays, cycle stands  
**UTYL**  
*Products description page 111 et 109.*

**F** Bike shelter  
**UTYL**  
*Product description page 115.*

**G** Litter bin  
**MOSHI**  
*Product description page 113.*





**H** Charging point for electric vehicles  
**BAMBOO**  
*Product description page 123.*

+ Shopping trolley shelter



H

**SERVICES**

-  Support from the beginning through to the installation
-  Computer-generated images
-  Product design and customisation  
Dimensioning and checking operations  
As-built drawings
-  Installation and worksite coordination



F

E



*Site harmony  
Development project taken as a whole  
Exclusively designed product*



C  
D





**PROJECT**

France  
**BOÉ**  
 Shopping centre  
 —  
**FREY IMMOBILIER**  
 —  
**PROJECT**  
 Development and lighting of car parks  
 and surrounding areas.  
 ZONE: Shopping centre.

◀  
 Full development  
 Consistency and harmony of the site  
 From the design to the installation

A

C

**PROJECT MEMBERS**

**Client - Contracting party**  
 Frey Immobilier

**Architect**  
 AREP

**Structural architect**  
 EREME



B



C

D



C

**PRODUCTS**

- A** Round tapered column  
**SILEA 8 M**  
*Product description page 125.*
- B** Squared column  
**MOSHI 3,5 M - 6 M**  
*Product description page 124.*
- C** Bench, 6-slat bench, bollard  
 and PRM bollard  
**UTYL**  
*Products description page 105, 106 and 110.*
- D** Litter bin  
**MOSHI**  
*Product description page 113.*

**SERVICES**

- Layout advice
- Computer-generated images  
 Realistic photo simulations  
 Customisation
- Development of prototypes
- Installation and worksite coordination



PROJECT



France

# LESPERON

Océan Ouest motorway service area

—

## AVIA PICOTY

—

PROJECT

Development and lighting of the car parks, roads, surroundings, terraces and picnic areas.

ZONE: Motorway service area.

Harmonisation of the different zones  
Development of the entire site  
Products in line with the architecture

A

PROJECT MEMBERS

**Client - Contracting party**  
AVIA Picoty

**Architect**  
Nicolas David



B



C



B

PRODUCTS

- A** Round tapered lighting column  
**UTYL LED 44,2 W**  
*Product description page 97.*
  - B** Squared tapered lighting points  
single and double lights  
**UTYL LED 50,6 W**  
**UTYL LED 101,2 W**  
**UTYL LED 151,8 W**  
*Products description page 89, 91 and 92.*
  - C** 4-seat table, high table,  
litter bin  
**SOLEA**  
*Products description page 116, 118 and 120.*
- + UTYL Bench**  
*Product description page 105.*

SERVICES

- Technical documents and specifications included
- Computer-generated images
- Studies and layout plans  
Lighting studies
- Installation and worksite coordination





D

PROJECT MEMBERS

**Client - Contracting party**  
AVIA Picoty  
—  
**Architect**  
Nicolas David

PRODUCTS

**A** Round tapered lighting column  
**UTYL LED 44,2 W**  
*Product description page 97.*

**B** Squared tapered lighting points single and double lights  
**UTYL LED 50,6 W**  
**UTYL LED 151,8 W**  
*Products description page 89 and 92.*

**C** Bench  
**UTYL**  
*Product description page 105.*

**D** 4-seat table, high PRM table, high table, litter bin  
**SOLEA**  
*Products description page 116, 118 and 120.*



B

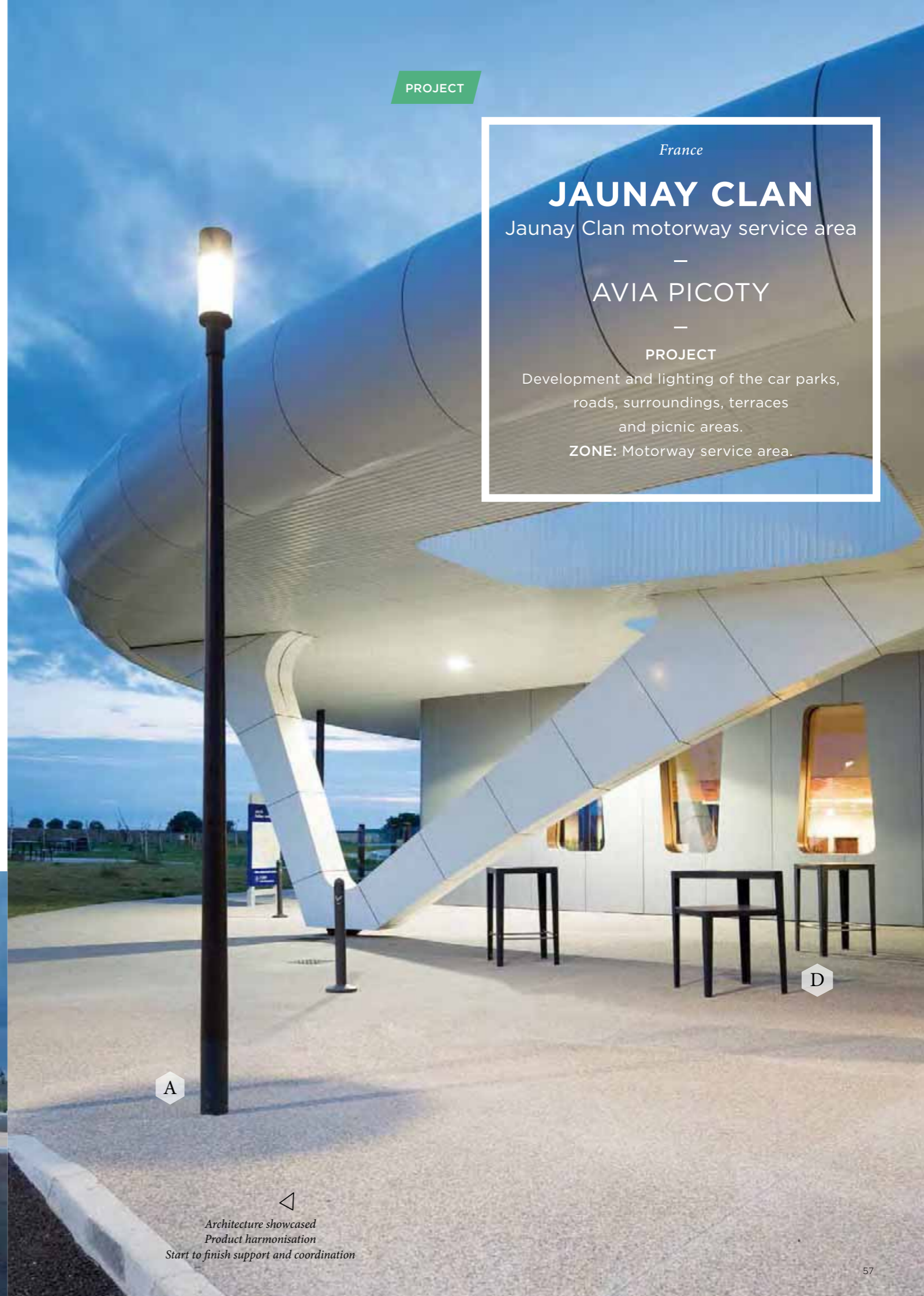
SERVICES

-  Technical documents and specifications included
-  Computer-generated images
-  Studies and layout plans  
Lighting studies
-  Installation and worksite coordination



C

D



PROJECT

France  
**JAUNAY CLAN**  
Jaunay Clan motorway service area  
—  
**AVIA PICOTY**  
—  
PROJECT  
Development and lighting of the car parks, roads, surroundings, terraces and picnic areas.  
**ZONE:** Motorway service area.

A

D

Architecture showcased  
Product harmonisation  
Start to finish support and coordination





PROJECT

France

**CLERMONT-FERRAND**

Hôtel de Région

—

**AUVERGNE REGIONAL COUNCIL**

—

PROJECT

Lighting or parking areas.

Urban zone.

PROJECT MEMBERS

- Client - Contracting party**  
Auvergne regional council
- 
- Architect**  
Bruno Mader
- 
- Associated Architect**  
Atelier 4
- 
- Fluids engineering**  
BET Louis Choulet

PRODUCTS

- A** Round tapered column  
**DÔME XL 6 M**  
*Product description page 127.*
- B** Spotlight support  
**CENO**  
*Product description page 136.*

SERVICES

-  Advice and support
-  Colour-coding
-  Environmental impact assessment
-  Customisation of accessories

Enhancement of parking areas  
Original colour selected specifically for the site



FLAVARD &amp; SAGUEZ

# RENDEZ-VOUS

A NEW EXCHANGE POINT



//

I wanted to design a bench that would stand out in the furniture for public spaces landscape by drawing inspiration from indoor furniture rather than urban furniture.

I didn't want it to be just for single use, but to be used alone, as a couple, with children or friends and have other people in the same area close by, without that bothering me. I wanted a piece of furniture to share.

In practical terms it is somewhere between a sofa and a bed; I can sit on it to wait, relax, read, work or even rest. These activities define the positions that **RENDEZ-VOUS** suggests through its design without them being an

obligation, for instance it's possible to sit down for a short spell or for longer while leaning back, lying down, resting one's elbows, sitting cross-legged or even perching on a backrest while waiting for someone.

**RENDEZ-VOUS** is generously sized and leaves enough room for everyone. Built like an indoor bench, the seat area is based on a frame and simple legs made of rectangular painted metal bands. The seat is made of thick wooden slats, soft like leather, with components fitted here and there which appear from the flat surface.

These modular seat and back / armrest elements are made of moulded mineral and allow for a whole range of layouts so as to fit in with the specific characteristics of the location.

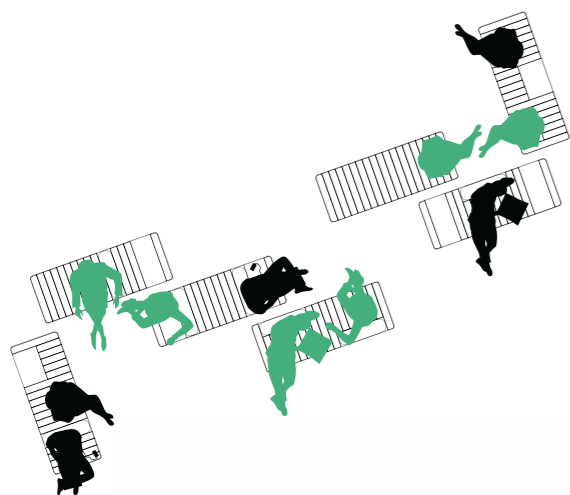
**RENDEZ-VOUS** is a living space for public areas.

Xavier FLAVARD  
Designer - Associate  
FLAVARD & SAGUEZ



//





*Rendez-vous*  
**Flexible & ergonomic**



*Benches customisation, from backrests number to seats number.*







- 1
- 2
- 3
- 4
- 5
- 6
- 7

*Rendez-vous*  
**A living space  
for public areas.**



BOLLARDS AND LIGHTING COLUMN

# NATTY

## COMFORTABLE AND SMART LIGHTING SOLUTIONS

Our new NATTY lighting bollards provide effective and comfortable lighting conditions for paths and entrances, pedestrian walkways, cycle paths, roadsides, esplanades, etc.



**Comfortable and smart lighting solutions.**

LED technology, lighting systems and light path control have all been studied and analysed to provide the ideal lighting conditions using the minimum power to avoid troubling the public and without any loss of light.

LED-based technology offers an extended lifespan and enhanced lighting with reduced energy consumption.

The resulting lighting performance makes it possible to increase the spacing between bollards thereby improving installation possibilities for all your lighting projects.

The Natty range includes a number of references with varying lighting combinations to meet all lighting project requirements: comfort, security, attractions, PRM regulation, etc.

Fully consistent with the complete Aubrilam product range, these lighting bollards have been specifically designed to offer an added architectural dimension and to perfectly integrate into all types of development projects whether urban, landscape, seafront or for housing areas and business zones.



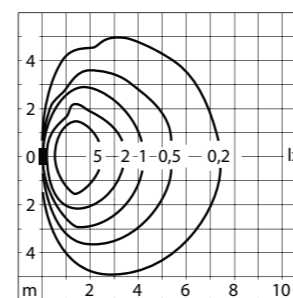
**NATTY XL**

LED 32 W  
4 440 lm



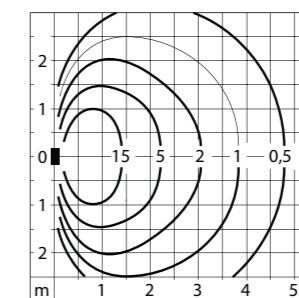
**NATTY 1**

LED 8,3 W  
482 lm



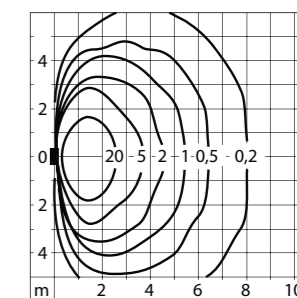
**NATTY 2**

LED 8,4 W  
392 lm



**NATTY 3**

LED 10,5 W  
592 lm



**NATTY 1 and 2:** LED 8,3 W and 8,4 W, consistent lighting uniformity for roadsides, open spaces, esplanades, passageways, paths, steps. The resulting lighting solution provides easy to follow visual landmarks.

**NATTY 3:** elliptic 10W LED downward lighting for an extensive, uniform, reduced-glare lighting solution. An ultra discreet bollard in which the LEDs are not visible to enhance the area lit up. Ideal for walkways, roadsides, attractions and esplanades.

**NATTY XL:** symmetrical 32 W LED, 4 440 lm lighting to provide visual landmarks thanks to the soft light they emit. For streets, paths, squares and car parks.



COLLECTION 2014

# COLOUR CHART

## WOOD AND METAL FINISHES

This colour chart has been designed to provide a solution to all architectural forms. Aubrilam's urban furniture fits perfectly into all development projects thanks to the quality of its design and its beautiful appearance.

**By playing with the shades and materials, the furniture can be integrated into a project to showcase an architectural concept or voluntarily create a visual makeover.**

Our colour chart presents a collection of shades and materials: **timeless, natural or mineral**, offering you a multitude of colour-coding possibilities to match your architectural development project.



*Product customisation:  
timeless, natural or  
mineral colours.*





# THE TIMELESS COLLECTION

WOOD AND METAL FINISHES

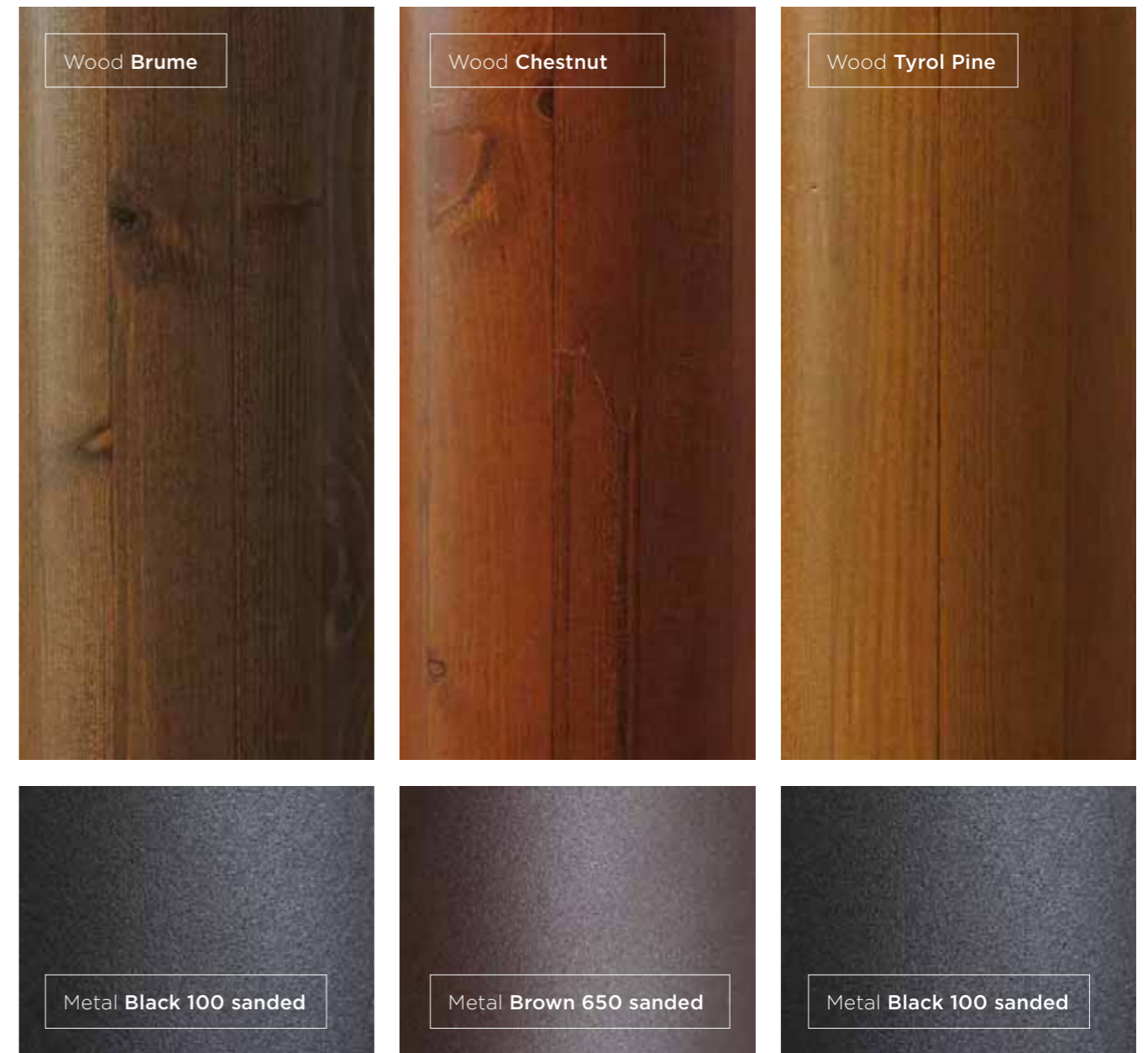


## THE TIMELESS COLLECTION

**Authenticity, modernity, elegance.**

As Aubrilam's best sellers, they suit all types of architectural developments, whether predominantly colourful or not.

**The interplay of materials and contrasts for a sensation of warmth in metallic or mineral surroundings.**



	WOOD STAIN	METAL COLOUR STANDARD ASSOCIATION	OPTIONAL METAL COLOUR
Brume		Black 100 sanded	Grey 900 sanded
Chestnut		Brown 650 sanded	Grey 900 sanded
Tyrol Pine		Black 100 sanded	Grey 900 sanded



SHADES

# THE NATURAL COLLECTION

WOOD AND METAL FINISHES



## THE NATURAL COLLECTION

Light shades revealing the grain of the wood.

**Fashionably popular fresh delicate shades** that can be combined with a wood architecture or natural environment or simply to **offer a contrast by providing a natural flair to a metal or urban architecture.**



Wood Chêne de Ferrare



Wood Tonnelier



Metal Brown 650 sanded



Metal Black 100 sanded

	WOOD STAIN	METAL COLOUR STANDARD ASSOCIATION	OPTIONAL METAL COLOUR
Chêne de Ferrare		Brown 650 sanded	Grey 900 sanded Black 100 sanded Ral 9006
Tonnelier		Black 100 sanded	Grey 900 sanded



SHADES

# THE MINERAL COLLECTION

WOOD AND METAL FINISHES

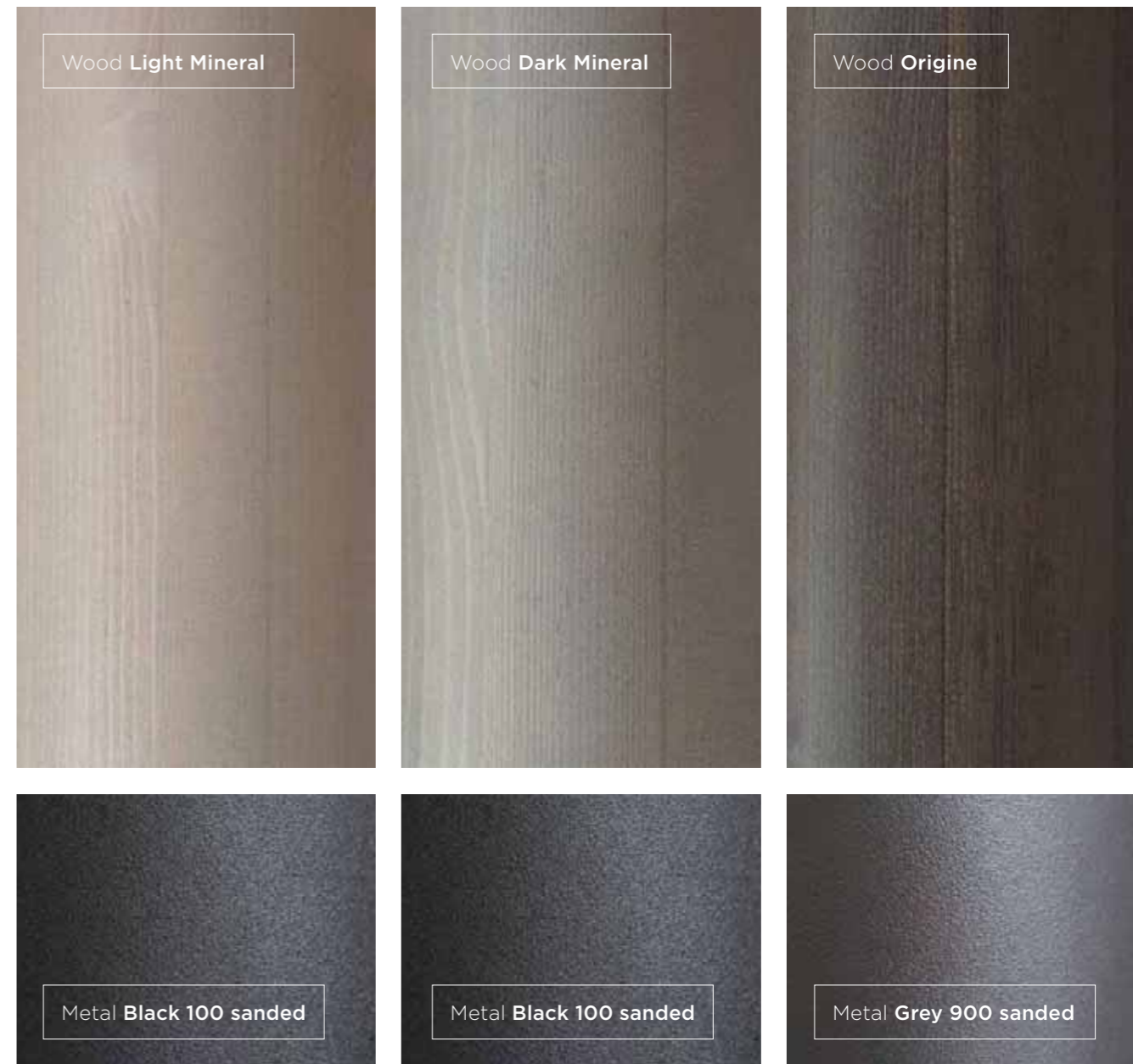


## THE MINERAL COLLECTION

**Coloured greys, either warm or cool, depending on the light.**

The grain of the wood is just visible while the iridescent effects give a metal or stone-like aspect.

**Ideal for those shades of grey often found in the architectural landscape by giving a little hint of something both original and neutral.**



	WOOD STAIN	METAL COLOUR STANDARD ASSOCIATION	OPTIONAL METAL COLOUR
Light Mineral		Black 100 sanded	Grey 900 sanded
Dark Mineral		Black 100 sanded	Ral 9006
Origine		Grey 900 sanded	Black 100 sanded



SUPPORT AND SOLUTIONS

# SERVICES

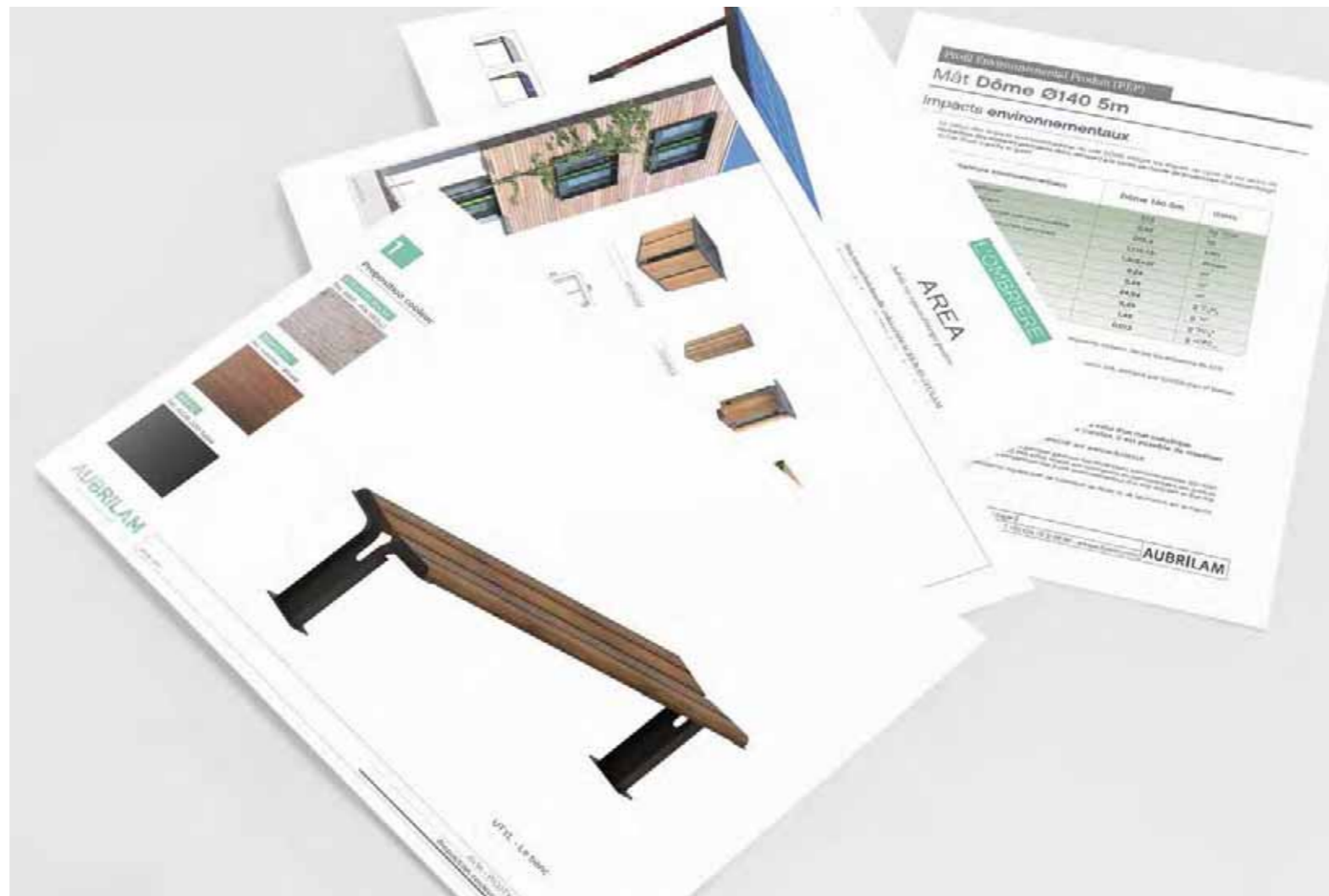
GUIDING YOU THROUGH EVERY STAGE OF THE PROJECT

A development project is often complex and raises a number of questions. It is important to make the most accurate choices according to the needs and constraints.





This may concern selecting the right products or type of lighting as well as the layout of the street furniture and even how to be original to showcase an architectural concept.

For a space to last over time, it is also fundamental and crucial to take its maintenance into consideration during the design process.

**Part of the Aubrilam package is the supply of services and tools to make this process easier by benefitting from expert advice and support at every stage of the project, from defining needs to the installation, and even afterwards.**







## ADVICE & SUPPORT

-  In the choice of products
-  In the layout
-  For all tender documents and technical specifications
-  From the beginning right through to the installation









## GRAPHIC DESIGN STUDIO

-  Computer-generated images
-  Realistic simulations pictures
-  Colour chart study and object customisation (marking, labelling)
-  Graphic concept file for the site or brand





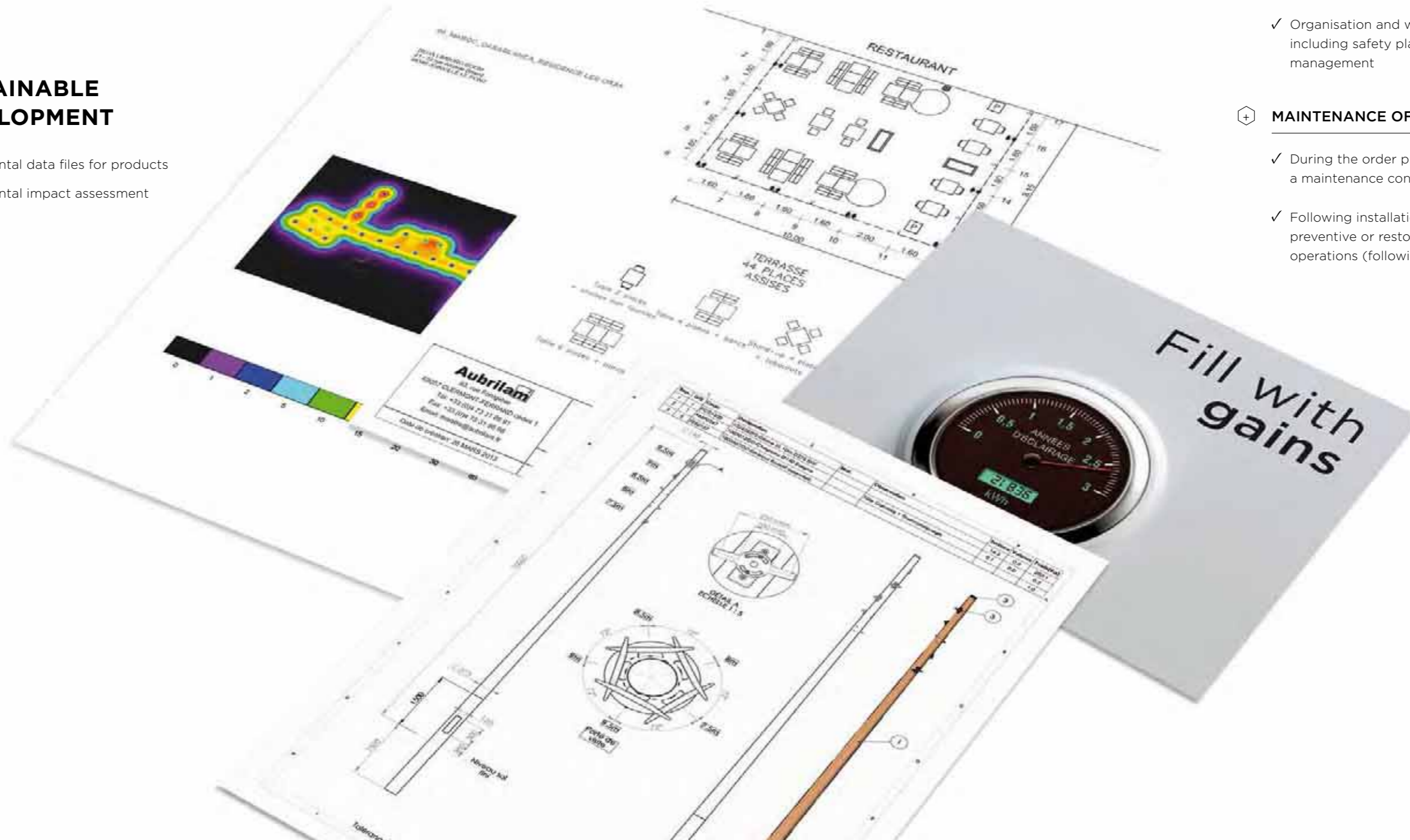
GUIDING YOU THROUGH EVERY STAGE OF THE PROJECT

## STUDIES & FEASIBILITY



-  Studies and layout plans
-  Lighting studies
-  Dimensioning and checking operations
-  Product design and adaptation
-  Specific structural calculations
-  As-built and assembling drawings

## SUSTAINABLE DEVELOPMENT

-  Environmental data files for products
-  Environmental impact assessment



## + OPTIONAL

-  **INSTALLATION OF THE FURNITURE**
  - ✓ Pre-installation on-site visits
  - ✓ Organisation and worksite coordination including safety plans and waste management
-  **MAINTENANCE OF THE WOOD**
  - ✓ During the order process in the form of a maintenance contract
  - ✓ Following installation: regular and preventive or restorative maintenance operations (following diagnosis)



METHODOLOGY

# A SIMPLE GUIDE

## TO EASY MAINTENANCE

Outdoor development projects are quickly becoming lively places and thus raise the issue of their sustainability and durability, for the users and for the project managers.

**Today, the full range of Aubrilam products are not only functional objects, they all contribute to the attractiveness of the site. Therefore they need maintenance to keep their decorative look good.**

Wood is the ideal material. It can be easily and repeatedly maintained over time for a very satisfying result. Aubrilam's service can include the maintenance of your products once they have been ordered with a simple maintenance contract or following their installation.



Aubrilam's design and manufacturing process optimizes the durability of the wood outside and is your guarantee that our products continue to perform well. The process includes a wood-stain finish which both colours and protects the surface of the wood.

### TECHNOLOGY

**Wood-stain is a surface treatment which limits the damage caused by humidity and provides UV protection. The qualities of the wood-stain chosen enable it to stand up to dimensional variations in the wood without flaking.**

Thanks to our outstanding manufacturing techniques, how the wood is used and the quality of the wood-stains selected by Aubrilam, **maintenance work should be scheduled every 5 to 7 years for products located in normal climatic conditions.**

For more exposed sites, for example next to the sea where the sand and salt are extremely aggressive, heat-coated and wood-stained products may be more affected. **However, wood in general is not sensitive to salt and does not rust.**

For preventive maintenance operations, one coat of a quality wood-stain is enough to protect the surface of the wood until the next scheduled maintenance operation.

**The technology we have selected and applied to protect the surface of the wood involves the application of 4 coats of wood-stain:**

1 coat for the colouring

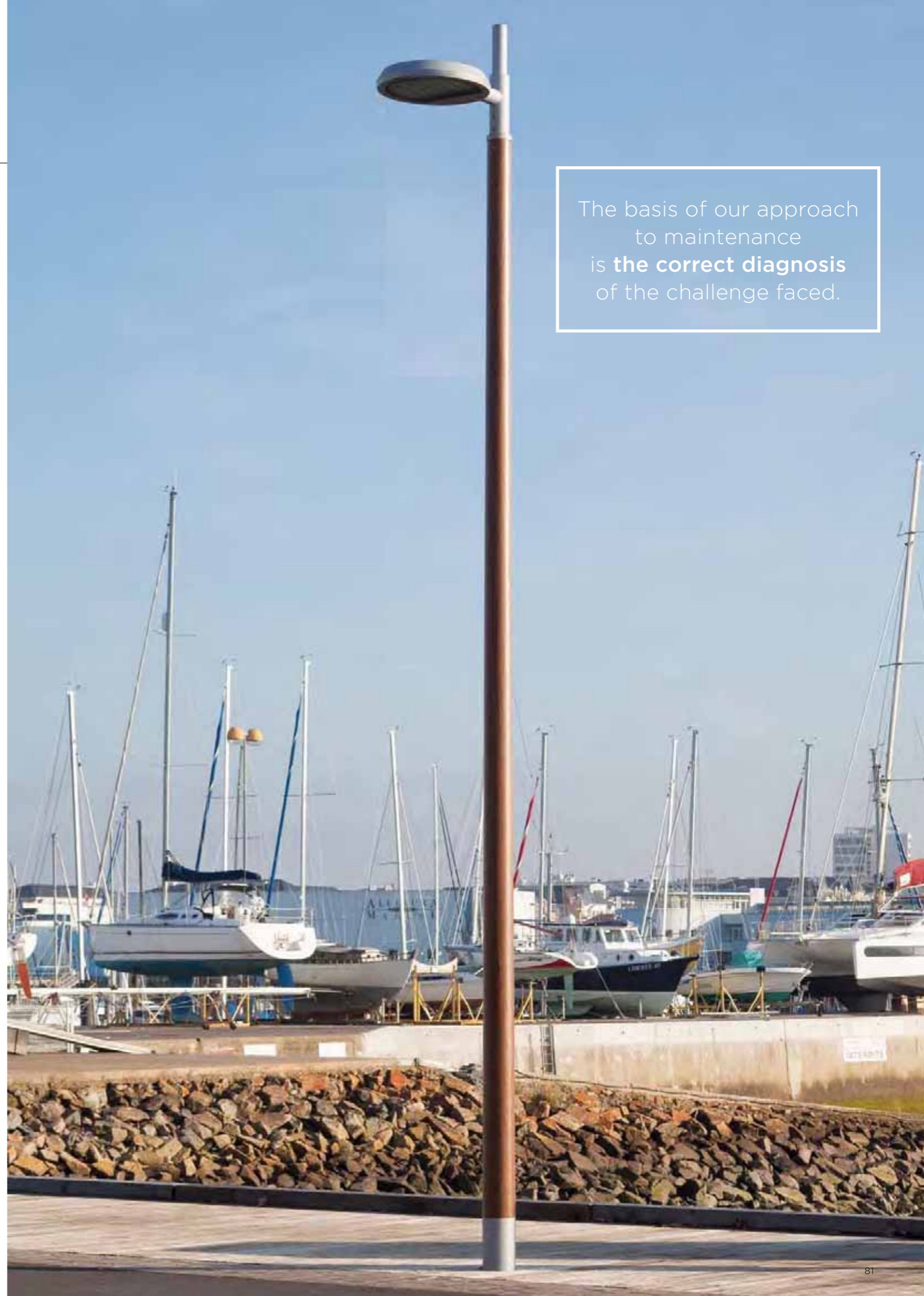


1 saturation coat to penetrate the wood in particular for machined areas



2 coats of colourless protective varnish

The basis of our approach to maintenance is **the correct diagnosis** of the challenge faced.





# MAINTENANCE

## OPERATIONS

### PREVENTIVE MAINTENANCE Every 5 - 7 years\*



- > Colour dull
- > Wood-stain > 50% remaining

- ✓ Brushing
- ✓ Varnish sanding
- ✓ 1 or 2 coats of wood-stain

### RESTORATIVE MAINTENANCE Every 15 - 20 years\*



- > Colour completely faded
- > Wood-stain < 50% remaining

- ✓ Sanding
- ✓ 3 coats of wood-stain

\*For normally exposed sites.

#### BRUSHING



Remove all dusts, moss, resin and other residues

Brush lightly and evenly over the whole surface

#### VARNISH SANDING



Eliminate top coat of wood-stain

Sand manually following the grain of the wood

#### SANDING



Remove all traces of the wood-stain

Sand evenly down to the original wood surface

#### WOOD STAINING



Give an « as-new » appearance to the wood

Apply the wood-stain\* evenly from top to bottom. Allow to dry between the 2 coats

\*Contact Aubrilam for information on the wood-stain to use.  
NB: Place a plastic sheet at the base of the mast to protect the ground from spills.

# REPAIRS

## WHERE NECESSARY

### RESIN



- 1 Remove the resin using a flat scraper
- 2 Soak a clean cloth in water
- 3 Rub over the resin spill without removing the wood-stain
- 4 Apply wood-stain to the zone if required

NB: Resin seepage will stop naturally as soon as the resin pocket is empty.

### GRAFITTI



- 1 Apply Techno Decapant Graffiti B solvent
- 2 Rub gently to remove all traces of the graffiti
- 3 Rinse with water and dry
- 4 Apply a coat of wood-stain to the area is required

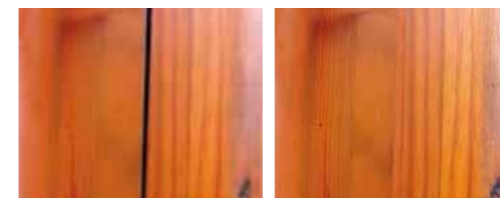
NB: For aqueous phase wood-stain, simply down and apply a new coat of wood-stain.

### NOTCHES



- 1 Clean the surface with a damp cloth
- 2 Lightly sand the damaged area
- 3 Apply 3 coats of wood-stain to the area

### CRACKS



- 1 Clean the surface with a damp cloth
- 2 Lightly sand the damaged area
- 3 Apply the wood filler as required
- 4 Manually sand over the area
- 5 Apply 3 coats of wood-stain



MATERIALS PROPERTIES

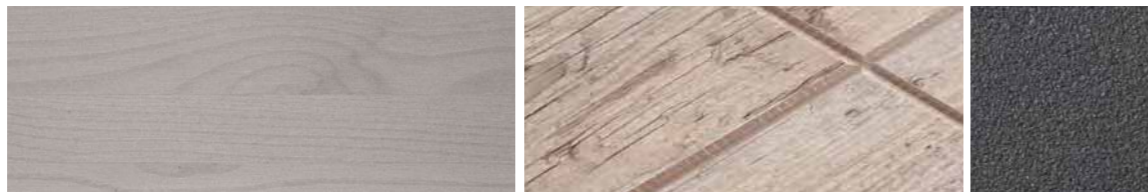
# SPECIFICATIONS & STANDARDS

## MATERIALS CHOSEN BY AUBRILAM

### WOOD

Aubrilam finds its raw material, wood, right beside the Arctic Circle, its slow growth gives timber very fine annular rings that are extremely uniform. The glued laminated timber shaft is certified ACERBOIS GLULAM and produced with sawn planks from sustainably managed forests.

- No chemical treatments have been used
- All the wood waste from the plant is recycled



### COMPACT LAMINATE

The FUNDERMAX Compact Laminate panels used in this range are made of strips of natural wood fibers (around 65% of the weight) impregnated with synthetic resins.

The panels comply with the following standards and regulations:

- EN ISO 4892-2: resistance to weathering
- EN ISO 4892-3: resistance to UV
- EN ISO 178: resistance to impact
- DMTA-OFI 300.128: resistance to temperature

### CONCRETE

The seating elements and backrests of the benches Rendez-Vous are made of high performance concrete charged with organic fibers.

Main properties of the concrete used:

- Compressive strength: 100-120 MPa
- Bending strength: 12-15 MPa

Protection stain BF 24H type.



### PLYWOOD BEECH

Plywood beech, 9 layers, PEFC-certified. 0.8mm double-sided laminated veneer, post formable. Edges varnished with 4 coats, 2 coats of protective saturation, 1 anti UV coat and 1 coat of colour with anti UV pigmentation. Production process and outdoor performance tested and validated in a lab with CRITT Bois\*. UV resistance validated with CNEP\*\*.

\*CRITT Bois: Resource Center for Wood Industries. \*\*CNEP: Centre for Organic Materials Ageing.

### STEEL

The steel parts are made of S235 Class I. In our case, after hot-dip galvanization, Class I of the steel guarantees an anti-corrosive protection as well as a uniform coating. After surfaces preparation, powder coating is then applied.

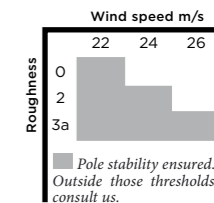
Main properties of the steel used:

- Yield strength: 235 MPa
- NF EN ISO 1461: coating on finished steel products



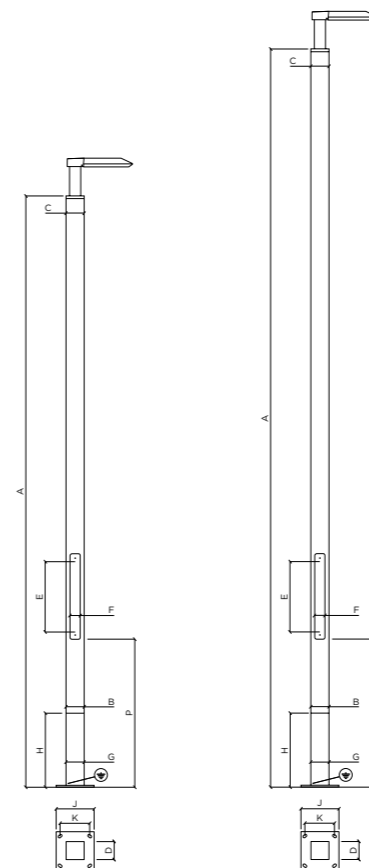


UTYL  
SQUARED LIGHTING POINTS  
LED 38 W



# TECHNICAL SHEETS

AUBRILAM PRODUCTS



UTYL SQUARED LED 38 W			PCO9416	PCO9516
A	m	Pole height	4	5
B	mm	Shaft section at base	120	120
C	mm	Shaft section on top	120	120
D	mm	Door: useful depth	78	78
E x F	mm	Door: useful height x width	460 x 60	460 x 60
P	m	Distance door bottom to plate	1	1
G	mm	Base section	120	120
H	m	Base height	0,50	0,50
J	mm	Base plate dimensions	260 x 260	260 x 260
K	mm	Spacing dimensions	200 x 200	200 x 200
L	mm	Anchor rods	4 HA16 M14 - 300	4 HA16 M14 - 300
	kg	Weight	24	27
	m	Height of the light	4,20	5,20



**MATERIALS SQUARED SHAFT**

Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish.

Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

**CE mark product: Conformity certificate CE 0679-CPD-0473.**



**STANDARD COLOUR IDENTITY**

WOOD: Brume - METAL: Black 100 sanded.



Cpa Car Parking area - Pa Public area - Ap Access path - Cp Cycle path - Pf Pedestrian footpath - S Street



**LED LIGHT 38 W**

Asymmetrical elliptical lighting

4 320 lm - Colour temperature 4 000 K (T\* 3 000 K - 4 030 lm as option).

Colour rendering index R<sub>a</sub> > 80.

Cast aluminium, aluminium and stainless steel.

Safety glass. Reflector in pure anodized aluminium.

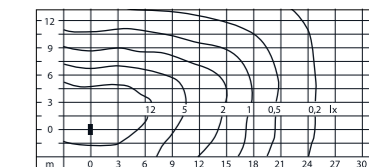
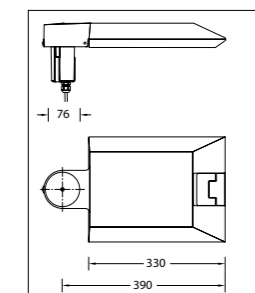
Dust-proof and water jet protected.

Delivered with connecting cable X05BQ-F 4 x 1<sup>2</sup> - Length 7 m.

Power supply LED 220-240 V - 0/50-60 Hz.

DC 176-264 V - Dimmable 1-10 V.

Class II - IP 66 - IK 07 - Weight: 4,4 kg.



Light diffusion LED 38 W.

**NOTE**

Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.

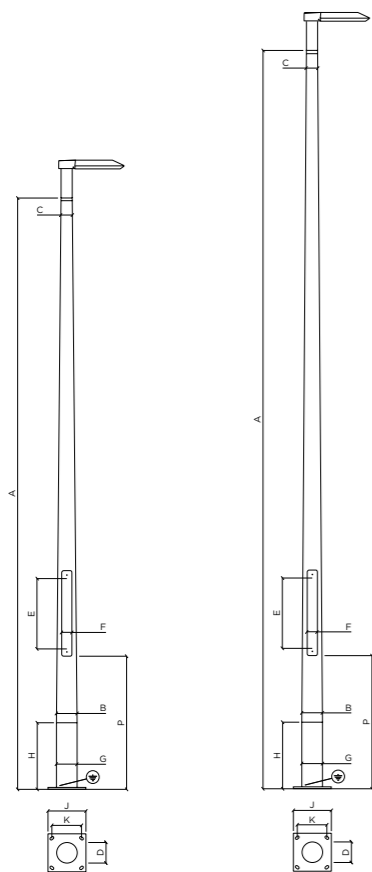
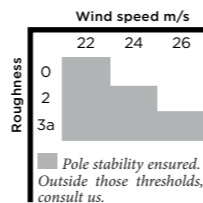
Descriptions of the ranges of lighting columns and urban furniture, as well as dimensions and technical data sheets reproduced in this catalogue are provided by Aubrilam for information purposes only. Aubrilam reserves the right to make any adjustments to the catalogue as deemed necessary and without warning. Tolerances: wood items ± 3 %, steel items ± 1 %, aluminium items ± 2 %.



# UTYL

ROUND TAPERED LIGHTING POINTS

## LED 38 W



UTYL ROUND TAPERED LED 38 W		PCD9426	PCD9526
A	m Pole height	4	5
B	mm Shaft diameter at base	140	140
C	mm Shaft diameter on top	76	76
D	mm Door: useful depth	62	62
E x F	mm Door: useful height x width	460 x 60	460 x 60
P	m Distance door bottom to plate	0,90	0,90
G	mm Base diameter	140	140
H	m Base height	0,45	0,45
J	mm Base plate dimensions	260 x 260	260 x 260
K	mm Spacing dimensions	200 x 200	200 x 200
L	mm Anchor rods	4 HA16 M14 - 300	4 HA16 M14 - 300
kg	Weight	20	23
m	Height of the light	4,20	5,20

**MATERIALS ROUND TAPERED SHAFT**  
 Round tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish.  
 Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.  
**CE mark product: Conformity certificate CE 0679-CPD-0473.**

**STANDARD COLOUR IDENTITY**  
 WOOD: Brume - METAL: Black 100 sanded.

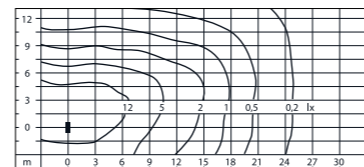
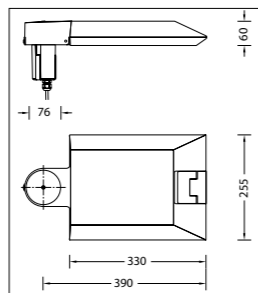


Cpa Car Parking area - Pa Public area - Ap Access path - Cp Cycle path - Pf Pedestrian footpath - S Street



### LED LIGHT 38 W

Asymmetrical elliptical lighting.  
 4 320 lm - Colour temperature 4 000 K (T° 3 000 K - 4 030 lm as option).  
 Colour rendering index  $R_a > 80$ .  
 Cast aluminium, aluminium and stainless steel.  
 Safety glass. Reflector in pure anodized aluminium.  
 Dust-proof and water jet protected.  
 Delivered with connecting cable X05BQ-F 4 x 1<sup>2</sup> - Length 7 m.  
 Power supply LED 220-240 V - 0/50-60 Hz.  
 DC 176-264 V - Dimmable 1-10 V.  
 Class II - IP 66 - IK 07 - Weight: 4,4 kg.

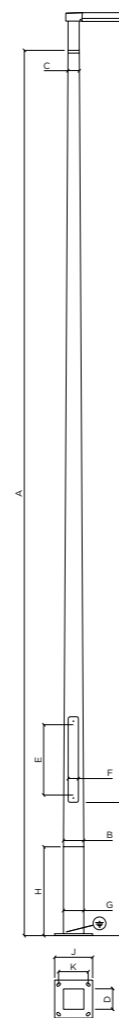
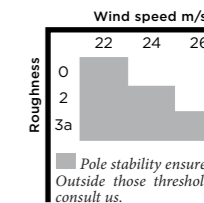


**NOTE**  
 Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.

# UTYL

SQUARED TAPERED LIGHTING POINT

## LED 50,6 W



UTYL SQUARED TAPERED LED 50,6 W		PCS9627
A	m Pole height	6
B	mm Shaft section at base	140
C	mm Shaft section on top	76
D	mm Door: useful depth	72
E x F	mm Door: useful height x width	460 x 70
P	m Distance door bottom to plate	0,90
G	mm Base section	140
H	m Base height	0,60
J	mm Base plate dimensions	260 x 260
K	mm Spacing dimensions	200 x 200
L	mm Anchor rods	4 HA16 M14 - 300
kg	Weight	34
m	Height of the light	6,20

**MATERIALS SQUARED TAPERED SHAFT**  
 Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish.  
 Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.  
**CE mark product: Conformity certificate CE 0679-CPD-0473.**

**STANDARD COLOUR IDENTITY**  
 WOOD: Brume - METAL: Black 100 sanded.

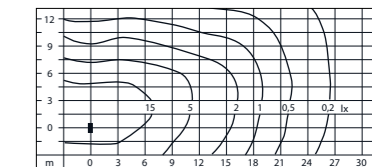
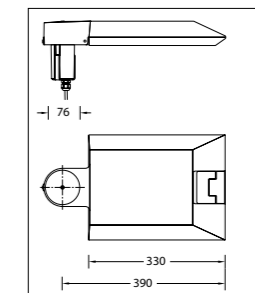


Cpa Car Parking area - Pa Public area - Pr Public road - Ap Access path - Cp Cycle path - Pf Pedestrian footpath - S Street



### LED LIGHT 50,6 W

Asymmetrical elliptical lighting.  
 5760 lm - Colour temperature 4 000 K (T° 3 000 K - 5 370 lm as option).  
 Colour rendering index  $R_a > 80$ .  
 Cast aluminium, aluminium and stainless steel.  
 Safety glass. Reflector in pure anodized aluminium.  
 Dust-proof and water jet protected.  
 Delivered with connecting cable X05BQ-F 4 x 1<sup>2</sup> - Length 8 m.  
 Power supply LED 220-240 V - 0/50-60 Hz.  
 DC 176-264 V - Dimmable 1-10 V.  
 Class II - IP 66 - IK 08 - Weight: 4,6 kg.



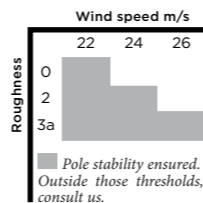
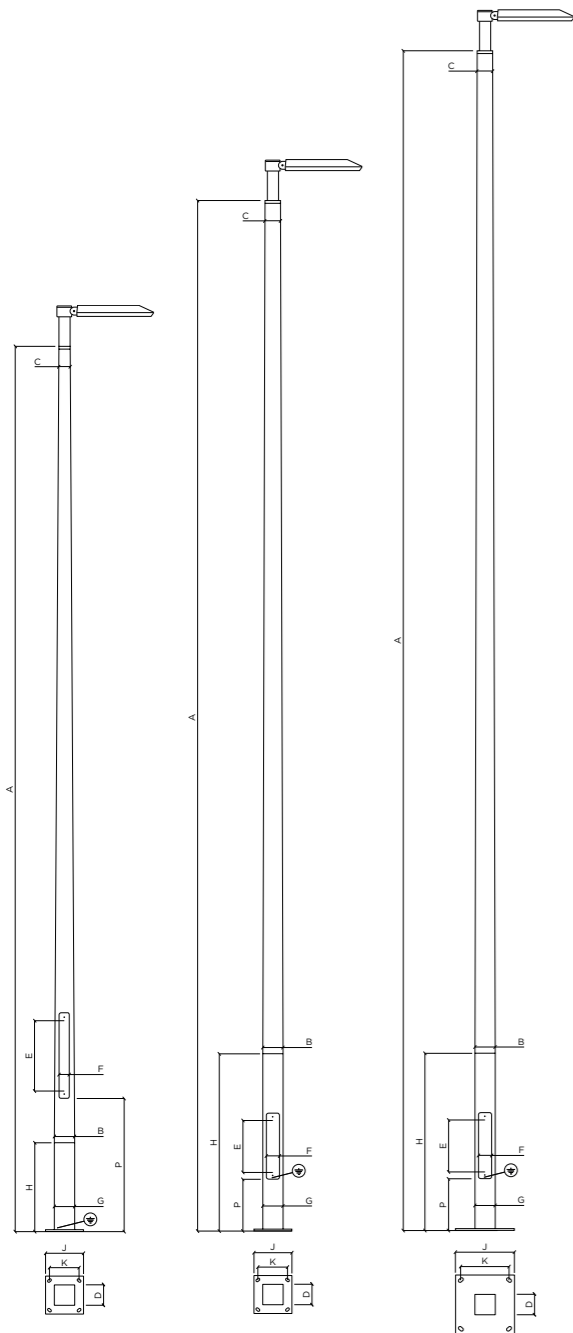
**NOTE**  
 Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.



# UTYL

## SQUARED TAPERED LIGHTING POINTS

### LED 76 W



UTYL SQUARED TAPERED LED 76 W			PCS9628	PCS9798	PCS9898
A	m	Pole height	6	7	8
B	mm	Shaft section at base	140	140	140
C	mm	Shaft section on top	76	100	100
D	mm	Door: useful depth	72	117	117
E x F	mm	Door: useful height x width	460 x 70	400 x 90	400 x 90
P	m	Distance door bottom to plate	0,90	0,35	0,35
G	mm	Base section	140	140	140
H	m	Base height	0,60	1,20	1,20
J	mm	Base plate dimensions	260 x 260	400 x 400	400 x 400
K	mm	Spacing dimensions	200 x 200	300 x 300	300 x 300
L	mm	Anchor rods	4 HA16 M14 - 300	4 HA20 M18 - 400	4 HA20 M18 - 400
kg		Weight	34	55	68
m		Height of the light	6,20	7,20	8,20



#### MATERIALS SQUARED TAPERED SHAFT

Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish.

Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE mark product: Conformity certificate CE 0679-CPD-0473.



#### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.



Cpa Car Parking Area - Pa Public area - Pr Public road - Ap Access path - Cp Cycle path - Pf Pedestrian footpath - S Street



#### LED LIGHT 76 W

Asymmetrical elliptical lighting.

8640 lm - Colour temperature 4 000 K (T° 3 000 K - 8060 lm as option).

Colour rendering index R<sub>a</sub> > 80.

Cast aluminium, aluminium and stainless steel.

Safety glass. Reflector in pure anodized aluminium.

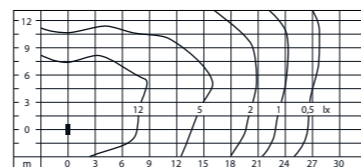
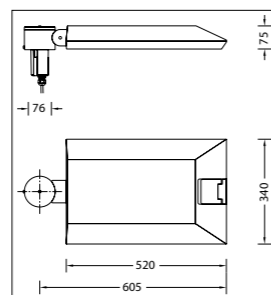
Dust-proof and water jet protected.

Flexible head for beam direction 0° or 15°.

Delivered with connecting cable X05BQ-F 4 x 1<sup>2</sup> - Length 9 m.

Power supply LED 220-240 V - 50-60 Hz - Dimmable 1-10 V.

Class II - IP 66 - IK 08 - Weight: 8,6 kg.



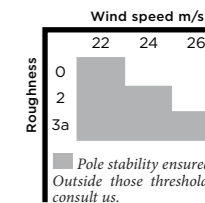
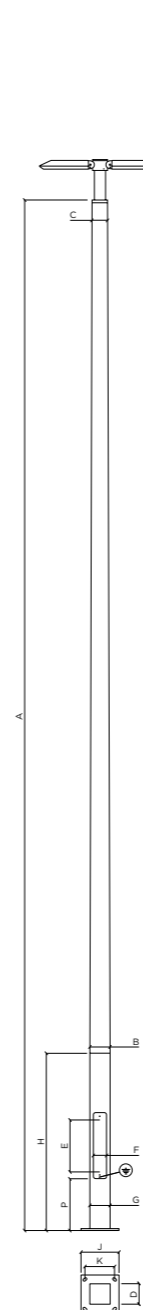
#### NOTE

Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.

# UTYL

## SQUARED TAPERED LIGHTING POINT

### LED 101,2 W



UTYL SQUARED TAPERED LED 2 X 50,6 W			PCS9794
A	m	Pole height	7
B	mm	Shaft section at base	140
C	mm	Shaft section on top	100
D	mm	Door: useful depth	117
E x F	mm	Door: useful height x width	400 x 90
P	m	Distance door bottom to plate	0,35
G	mm	Base section	140
H	m	Base height	1,20
J	mm	Base plate dimensions	400 x 400
K	mm	Spacing dimensions	300 x 300
L	mm	Anchor rods	4 HA20 M18 - 400
kg		Weight	55
m		Height of the light	7,20



#### MATERIALS SQUARED TAPERED SHAFT

Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish.

Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE mark product: Conformity certificate CE 0679-CPD-0473.



#### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.



Cpa Car Parking Area - Pa Public area - Pr Public road - Ap Access path - Cp Cycle path - Pf Pedestrian footpath - S Street



#### LED LIGHT 2 X 50,6 W

Asymmetrical flat beam lighting.

11520 lm - Colour temperature 4 000 K (T° 3 000 K - 10 740 lm as option).

Colour rendering index R<sub>a</sub> > 80.

Cast aluminium, aluminium and stainless steel.

Safety glass. Reflector in pure anodized aluminium.

Dust-proof and water jet protected.

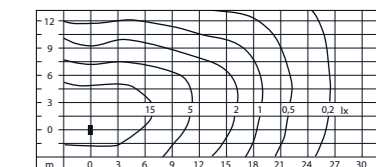
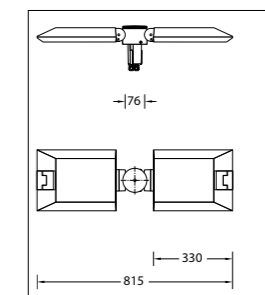
Flexible head for beam direction 0° or 15°.

Delivered with 2 connecting cables 05BQ-F 4 x 1<sup>2</sup> - Length 7 m.

Power supply LED 220-240 V - 0/50-60 Hz

DC 176-264 V - Dimmable 1-10 V.

Class II - IP 66 - IK 08 - Weight: 9 kg.



#### NOTE

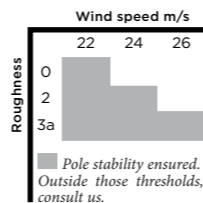
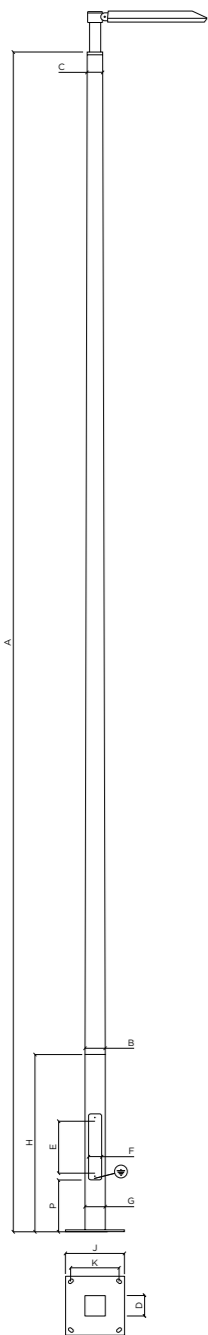
Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.



# UTYL

## SQUARED TAPERED LIGHTING POINT

### LED 151,8 W



UTYL SQUARED TAPERED LED 151,8 W			PCS9899
A	m	Pole height	8
B	mm	Shaft section at base	140
C	mm	Shaft section on top	100
D	mm	Door: useful depth	117
E x F	mm	Door: useful height x width	400 x 90
P	m	Distance door bottom to plate	0,35
G	mm	Base section	140
H	m	Base height	1,20
J	mm	Base plate dimensions	400 x 400
K	mm	Spacing dimensions	300 x 300
L	mm	Anchor rods	4 HA20 M18 - 400
kg	Weight		68
m	Height of the light		8,20

**MATERIALS SQUARED TAPERED SHAFT**  
Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.  
**CE mark product: Conformity certificate CE 0679-CPD-0473.**

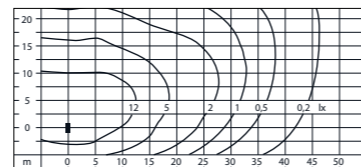
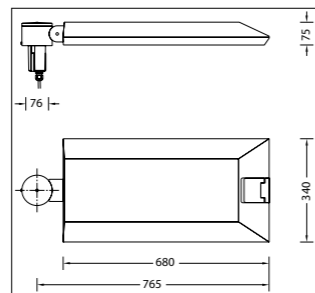
**STANDARD COLOUR IDENTITY**  
WOOD: Brume - METAL: Black 100 sanded.



Cpa Car Parking Area - Pa Public Area - Pr Public Road - Ap Access Path - Pf Pedestrian Footpath - S Street

#### LED LIGHT 151,8 W

Asymmetrical elliptical lighting.  
17 280lm - Colour temperature 4 000 K (T° 3 000 K - 16 110 lm as option).  
Colour rendering index  $R_a > 80$ .  
Cast aluminium, aluminium and stainless steel.  
Safety glass. Reflector in pure anodized aluminium.  
Dust-proof and water jet protected.  
Flexible head for beam direction 0° or 15°.  
Delivered with connecting cable 05BQ-F 4 x 1<sup>2</sup> - Length 10 m.  
Power supply LED 220-240 V - 50-60 Hz - Dimmable 1-10 V.  
Class II - IP 66 - IK 08 - Weight: 10,4 kg.

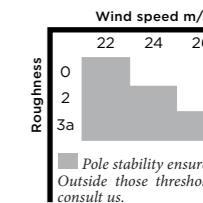
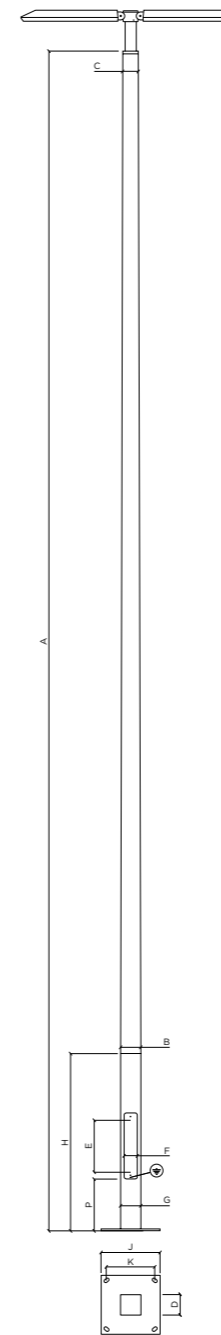


**NOTE**  
Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.

# UTYL

## SQUARED TAPERED LIGHTING POINT

### LED 303,6 W



UTYL SQUARED TAPERED LED 2 X 151,8 W			PCS9895
A	m	Pole height	8
B	mm	Shaft section at base	140
C	mm	Shaft section on top	100
D	mm	Door: useful depth	117
E x F	mm	Door: useful height x width	400 x 90
P	m	Distance door bottom to plate	0,35
G	mm	Base section	140
H	m	Base height	1,20
J	mm	Base plate dimensions	400 x 400
K	mm	Spacing dimensions	300 x 300
L	mm	Anchor rods	4 HA20 M18 - 400
kg	Weight		68
m	Height of the light		8,20

**MATERIALS SQUARED TAPERED SHAFT**  
Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.  
**CE mark product: Conformity certificate CE 0679-CPD-0473.**

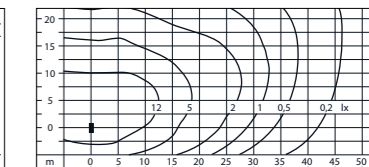
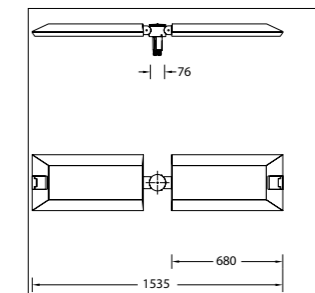
**STANDARD COLOUR IDENTITY**  
WOOD: Brume - METAL: Black 100 sanded.



Cpa Car Parking Area - Pa Public Area - Pr Public Road - Ap Access Path - Pf Pedestrian Footpath - S Street

#### LED LIGHT 2 X 151,8 W

Asymmetrical flat beam lighting.  
34 560 lm - Colour temperature 4 000 K (T° 3 000 K - 32 220 lm as option).  
Colour rendering index  $R_a > 80$ .  
Cast aluminium, aluminium and stainless steel.  
Safety glass. Reflector in pure anodized aluminium.  
Dust-proof and water jet protected.  
Flexible head for beam direction 0° or 15°.  
Delivered with 2 connecting cables 05BQ-F 4 x 1<sup>2</sup> - Length 10 m.  
Power supply LED 220-240 V - 50-60 Hz - Dimmable 1-10 V.  
Class II - IP 66 - IK 08 - Weight: 19,8 kg.



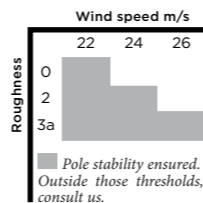
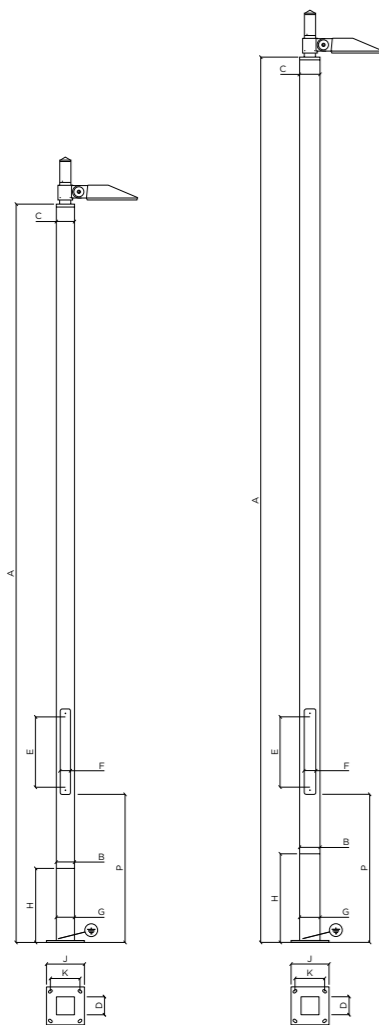
**NOTE**  
Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.



# UTYL

## SQUARED LIGHTING POINTS

### HIT\* 70 W



UTYL SQUARED HIT* 70 W			PCO9510	PCO9640
A	m	Pole height	5	6
B	mm	Shaft section at base	120	140
C	mm	Shaft section on top	120	140
D	mm	Door: useful depth	78	93
E x F	mm	Door: useful height x width	460 x 60	460 x 70
P	m	Distance door bottom to plate	1	1
G	mm	Base section	120	140
H	m	Base height	0,50	0,60
J	mm	Base plate dimensions	260 x 260	260 x 260
K	mm	Spacing dimensions	200 x 200	200 x 200
L	mm	Anchor rods	4 HA16 M14 - 300	4 HA16 M14 - 300
kg	Weight		27	43
m	Height of the light		5	6

**MATERIALS SQUARED SHAFT**  
Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

**CE mark product: Conformity certificate CE 0679-CPD-0473.**

**STANDARD COLOUR IDENTITY**  
WOOD: Brume - METAL: Black 100 sanded.

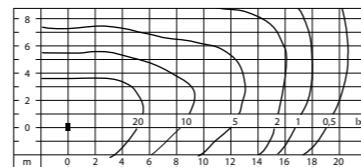
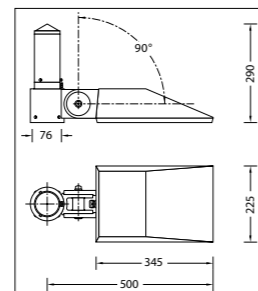


Cpa Car Parking Area - Pr Public Road - Ap Access Path - Pf Pedestrian footpath - S Street



#### HIT\* 70 W LIGHT

- Asymmetrical elliptical lighting.
- Metal halide lamp HIT-CE 70 W - G12 Socket - 7 300 lm.
- Cast aluminium, aluminium and stainless steel.
- Safety glass. Reflector in pure anodized aluminium.
- Dust-proof and water jet protected.
- Adjustable angle of + 90° in 10° levels.
- Terminal 2,5<sup>2</sup> - Earthing system.
- Ballast 220-240-250 V - 50 Hz permutable. Factory connection 230 V.
- Class I - IP 66 - IK 10 - Weight: 7,2 kg.



Light diffusion HIT\* 70 W.

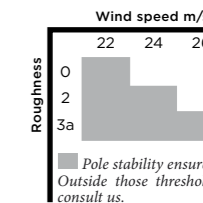
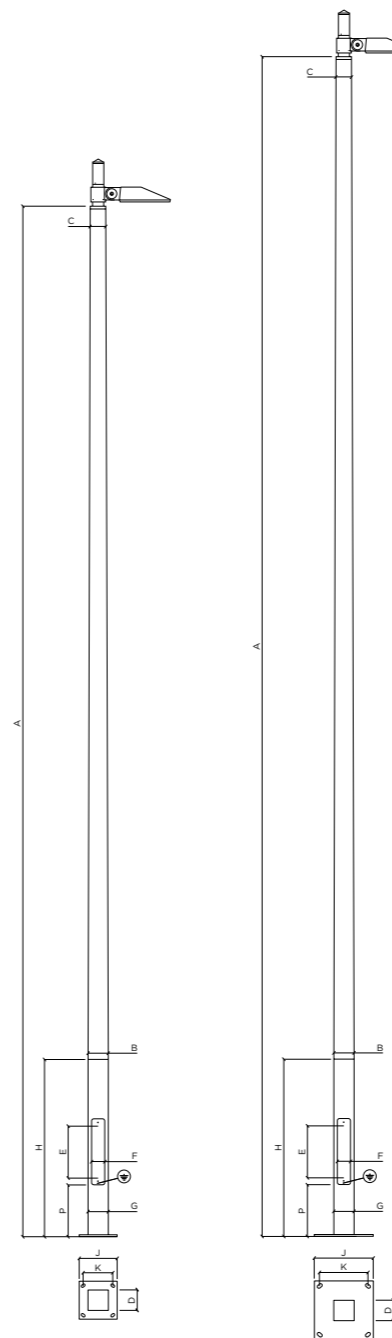
**NOTE**  
Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.

\*HIT : Metal halide with magnetic ballast.

# UTYL

## SQUARED TAPERED LIGHTING POINTS

### HIT\* 150 W



UTYL SQUARED TAPERED HIT* 150 W			PCS9792	PCS9892
A	m	Pole height	7	8
B	mm	Shaft section at base	140	140
C	mm	Shaft section on top	100	100
D	mm	Door: useful depth	117	117
E x F	mm	Door: useful height x width	400 x 90	400 x 90
P	m	Distance door bottom to plate	0,35	0,35
G	mm	Base section	140	140
H	m	Base height	1,20	1,20
J	mm	Base plate dimensions	400 x 400	400 x 400
K	mm	Spacing dimensions	300 x 300	300 x 300
L	mm	Anchor rods	4 HA20 M18 - 400	4 HA20 M18 - 400
kg	Weight		55	68
m	Height of the light		7	8

**MATERIALS SQUARED TAPERED SHAFT**  
Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

**CE mark product: Conformity certificate CE 0679-CPD-0473.**

**STANDARD COLOUR IDENTITY**  
WOOD: Brume - METAL: Black 100 sanded.

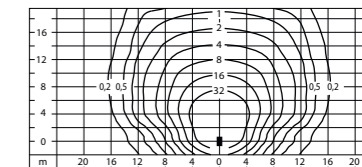
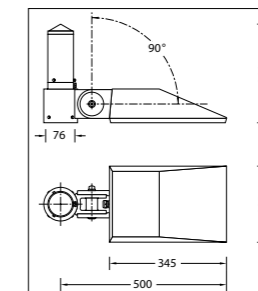


Cpa Car Parking Area - Pa Public Area - Pr Public Road



#### HIT\* 150 W LIGHT

- Asymmetrical extensive lighting.
- Metal halide lamp HIT-DE-CE 150 W - RX7s Socket - 14 500 lm.
- Cast aluminium, aluminium and stainless steel.
- Safety glass. Reflector in pure anodized aluminium.
- Dust-proof and water jet protected.
- Adjustable angle of + 90° in 10° levels.
- Terminal 4<sup>2</sup> - Earthing system.
- Ballast 220-240-250 V - 50 Hz permutable. Factory connection 230 V.
- Class I - IP 66 - IK 10 - Weight: 8,5 kg.



Light diffusion HIT\* 150 W.

**NOTE**  
Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.

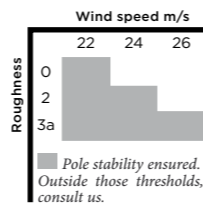
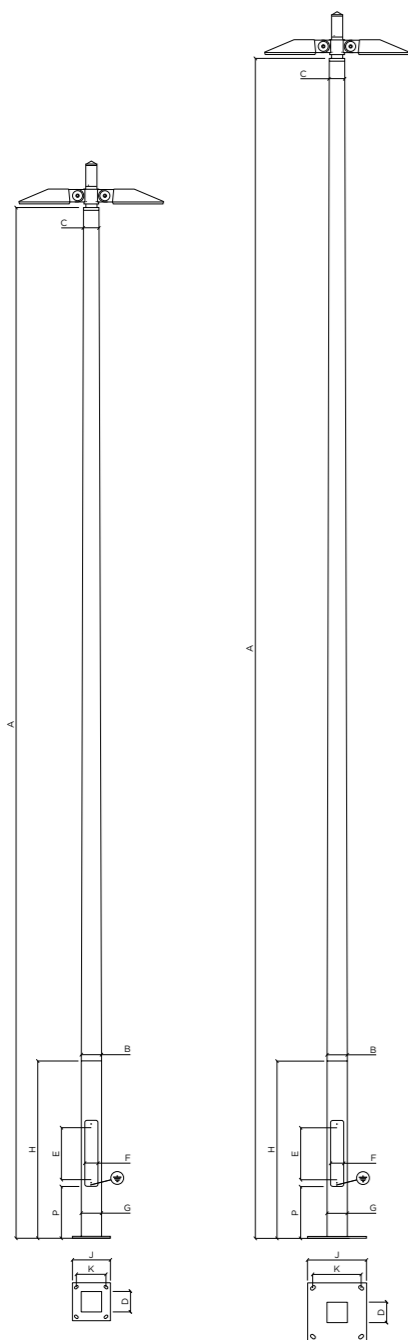
\*HIT : Metal halide with magnetic ballast.



# UTYL

## SQUARED TAPERED LIGHTING POINTS

### HIT\* 300 W



UTYL SQUARED TAPERED HIT* 2 X 150 W		PCS9793	PCS9893
A	m Pole height	7	8
B	mm Shaft section at base	140	140
C	mm Shaft section on top	100	100
D	mm Door: useful depth	117	117
E x F	mm Door: useful height x width	400 x 90	400 x 90
P	m Distance door bottom to plate	0,35	0,35
G	mm Base section	140	140
H	m Base height	1,20	1,20
J	mm Base plate dimensions	400 x 400	400 x 400
K	mm Spacing dimensions	300 x 300	300 x 300
L	mm Anchor rods	4 HA20 M18 - 400	4 HA20 M18 - 400
kg	Weight	55	68
m	Height of the light	7	8

**MATERIALS SQUARED TAPERED SHAFT**  
Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.  
**CE mark product: Conformity certificate CE 0679-CPD-0473.**

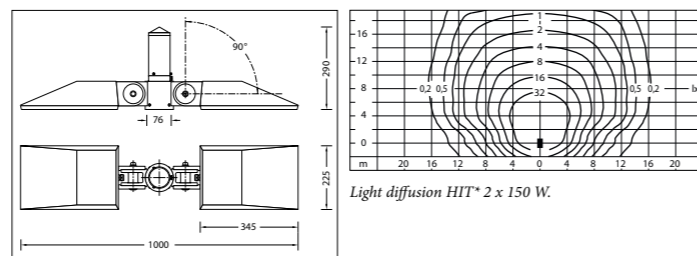
**STANDARD COLOUR IDENTITY**  
WOOD: Brume - METAL: Black 100 sanded.



Cpa Car Parking Area - Pa Public Area - Pr Public Road

### HIT\* 2 X 150 W LIGHT

- Asymmetrical extensive lighting.
- Metal halide lamp HIT-CE 2 x 150 W - RX7s Socket - 14 800 lm.
- Cast aluminium, aluminium and stainless steel.
- Safety glass. Reflector in pure anodized aluminium.
- Dust-proof and water jet protected.
- Adjustable angle of + 90° in 10° levels.
- Terminal 4<sup>2</sup> - Earthing system.
- Ballast 220-240-250 V - 50 Hz permutable. Factory connection 230 V.
- Class I - IP 66 - IK 10 - Weight: 15,6 kg.



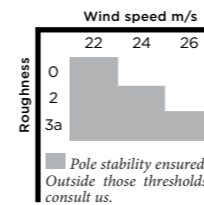
**NOTE**  
Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.

\*HIT: Metal halide with magnetic ballast.

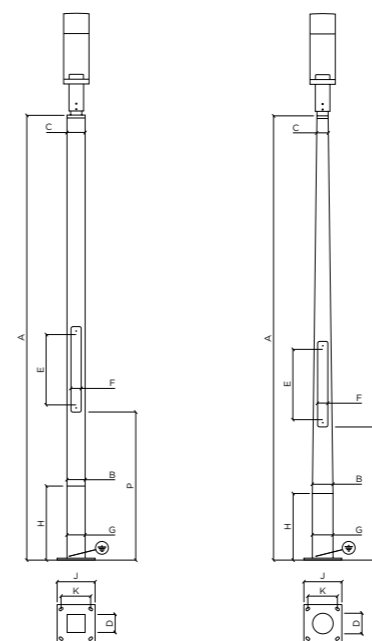
# UTYL

## LIGHTING COLUMNS

### LED 44,2 W



UTYL LED 44,2 W		ROUND SQUARED	TAPERED
		PCO9311	PCD9321
A	m Pole height	3	3
B	mm Shaft section/diameter at base	120	140
C	mm Shaft section/diameter on top	120	76
D	mm Door: useful depth	78	62
E x F	mm Door: useful height x width	460 x 60	460 x 60
P	m Distance door bottom to plate	1	0,90
G	mm Base section/diameter	120	140
H	m Base height	0,50	0,45
J	mm Base plate dimensions	260 x 260	260 x 260
K	mm Spacing dimensions	200 x 200	200 x 200
L	mm Anchor rods	4 HA16 M14 - 300	4 HA16 M14 - 300
kg	Weight	20	17
m	Height of the light	3,60	3,60



**MATERIALS SQUARED SHAFT**  
Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.  
**CE mark product: Conformity certificate CE 0679-CPD-0473.**

**MATERIALS ROUND TAPERED SHAFT**  
Round tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base in galvanised steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.  
**CE mark product: Conformity certificate CE 0679-CPD-0473.**

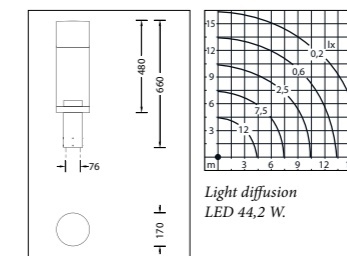
**STANDARD COLOUR IDENTITY**  
WOOD: Brume - METAL: Black 100 sanded.



Cpa Car Parking Area - Pr Public Road - Ap Access path - Pf Pedestrian Footpath - S Street

### LED 44,2 W LIGHT

- Symmetrical circular lighting.
- 3 435 lm - Colour temperature 4 000 K (T\* 3 000 K - 3 203 lm as option).
- Colour rendering index R<sub>a</sub> > 80.
- Cast aluminium, aluminium and stainless steel.
- Clear synthetic cylinder. Reflector in pure anodized aluminium.
- Dust-proof and water jet protected.
- Delivered with connecting cable X05BQ-F 5G1<sup>2</sup> - Length 6 m.
- Power supply LED 220-240 V - 0/50-60 Hz.
- DC 170-280 V - Dimmable 1-10 V.
- Class I - IP 65 - IK 10 - Weight: 5 kg.



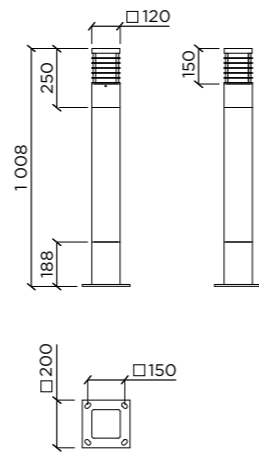
**NOTE**  
Lighting points delivered without case, light not assembled on the shaft. Possibility to fix the lights on brackets or surface mounted on demand.



MOSHI  
LIGHTING BOLLARD  
CFL 18 W  
HIT 20 W



MOSHI BOLLARD	PMR0135	PMR0174
Height	1 m	1 m
Power	18 W	20 W
Type of lamp	CFL	IM
Class	I	I
IP	55	55



**MATERIALS SQUARED SHAFT**

Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base and top in galvanized steel, powder coated polyester finish. Opal polyamide diffusor.



**FIXATION**

Chemical sealing.  
Anchor rods: threaded rod M12 x 200.  
Fixation holes on plate: 16 x 24 mm.



**MEASUREMENTS**

h x L x l: 1 008 x 120 x 120 mm  
Weight: 17 kg



**STANDARD COLOUR IDENTITY**

TOP: Grey 900 sanded.

Cp Cycle Path - Pf Pedestrian footpath - S Street

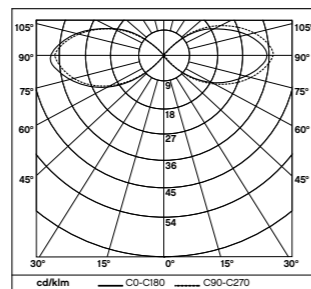


**FC 18 W LUMINAIRE**

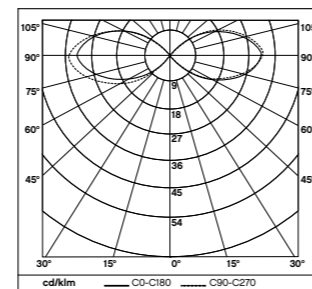
Top in galvanized steel, powder coated polyester finish.  
Opal polyamide diffusor.  
Fluo Compact lamp (not included) - 500 lm - Socket G24q-2.  
Integrated terminal strip connector - Connection 3 x 2.5<sup>2</sup> max. + fuse 1A (5x20).  
Class I - IP 55 - IK 10.

**HIT 20 W LUMINAIRE**

Top in galvanized steel, powder coated polyester finish.  
Opal polyamide diffusor.  
Metal halide lamp (not supplied) - 800 lm - G8,5 Socket.  
Integrated terminal strip connector - Connection 3 x 2.5<sup>2</sup> max. + fuse 1A (5x20).  
Class I - IP 55 - IK 10.



Light diffusion FC 18 W.

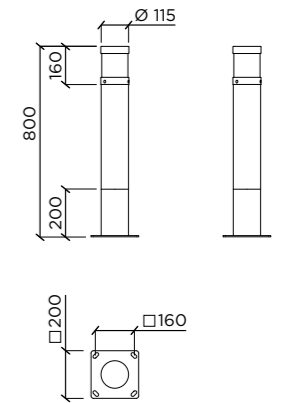


Light diffusion HIT 20 W.

LADY LED  
LIGHTING BOLLARD  
LED 6 X 1,2 W



LADY BOLLARD	PBE0142	PBE0143
Height	0,80 m	1 m
Power	6 x 1,2 W	6 x 1,2 W
Type of lamp	LED	LED
Class	II	II
IP	55	55



**MATERIALS ROUND SHAFT**

Regular round shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base in galvanized steel, powder coated polyester finish. Aluminium top, powder coated polyester. Opal polyamide diffusor.



**FIXATION**

Chemical sealing.  
Anchor rods: threaded rod M12 x 200.  
Fixation hole on plate: Ø 14 mm.



**MEASUREMENTS**

h x Ø: 800 x 115 mm      h x Ø: 1 008 x 115 mm  
Weight: 8 kg                      Weight: 9 kg



**STANDARD COLOUR IDENTITY**

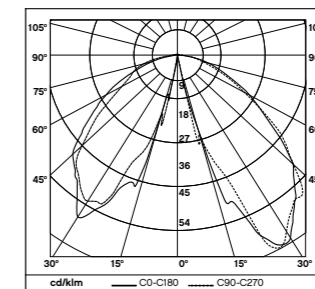
TOP: Grey 900 sanded.

Cp Cycle Path - Pf Pedestrian footpath - S Street



**LED 6 X 1,2 W LUMINAIRE**

Aluminium top, powder coated polyester finish.  
Polycarbonate clear diffusor.  
220 lm - Colour temperature 4 000 K.  
No distribution box. Connection with pre-cabing 3 x 1.5<sup>2</sup> max. - Length 2 m.  
Class I - IP 65 - IK 09.



Light diffusion LED 6 x 1,2 W.



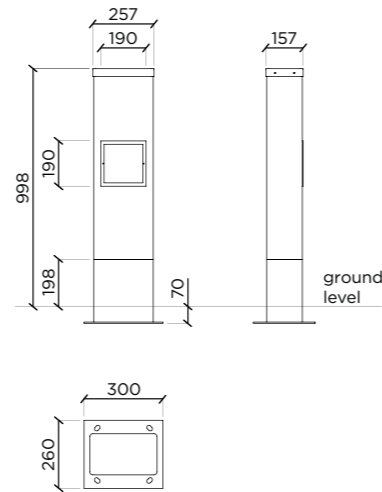
# NATTY 1

LIGHTING BOLLARD

## LED 8,3 W



NATTY 1 BOLLARD	PBD0710
Height	1,07 m
Power	8,3 W
Type of lamp	LED
Class	I
IP	55



### MATERIALS SQUARED SHAFT

Regular rectangular shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Rectangular flush base in galvanized steel, powder coated polyester finish. Overlying top in galvanized steel, powder coated polyester finish. Connexion box with drawer for Neozed 16A installation. Synthetic shock resistant case. Protection degree IP 55. Protection class II. For diversion cabling until 5 x 4<sup>2</sup>.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M12 x 200.  
Spacing dimensions on plate: 200 x 200 mm.  
Fixation hole on plate: 16 x 24 mm.



### MEASUREMENTS

h x L x l: 1 068 x 257 x 157 mm  
Weight: 22 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume or Dark Mineral - METAL: Black 100 sanded.



Pa Public Area - Cp Cycle Path - Pf Pedestrian footpath - S Street



### LED 8,3 W LUMINAIRE

Free diffusion lighting.



482 lm - Colour temperature 3 000 K (T° 4 000 K - 502 lm as option).

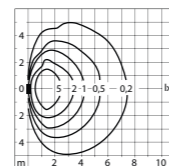
Cast aluminium, aluminium and stainless steel. White safety glass.

Dust-proof and water jet protected.

Pre-cabling 3G1.5<sup>2</sup> - Length 1 m.

Power supply LED 220-240 V - 0/50-60 Hz. DC 176-264 V.

Class I - IP 65 - IK 09 - Weight: 1,4 kg.



Light diffusion  
LED 8,3 W.

### NOTE

The power supply is located on the top part of the bollard: prepare enough cable length to proceed with the connection.

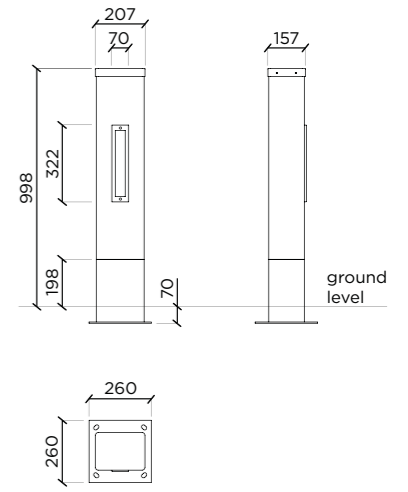
# NATTY 2

LIGHTING BOLLARD

## LED 8,4 W



NATTY 2 BOLLARD	PBD0711
Height	1,07 m
Power	8,4 W
Type of lamp	LED
Class	I
IP	55



### MATERIALS SQUARED SHAFT

Regular rectangular shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Rectangular flush base in galvanized steel, powder coated polyester finish. Overlying top in galvanized steel, powder coated polyester finish. Connexion box with drawer for Neozed 16A installation. Synthetic shock resistant case. Protection degree IP 55. Protection class II. For diversion cabling until 5 x 4<sup>2</sup>.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M12 x 200.  
Spacing dimensions on plate: 200 x 200 mm.  
Fixation hole on plate: 16 x 24 mm.



### MEASUREMENTS

h x L x l: 1 068 x 207 x 157 mm  
Weight: 18 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume or Dark Mineral - METAL: Black 100 sanded.



Pa Public Area - Cp Cycle Path - Pf Pedestrian footpath - S Street



### LED 8,4 W LUMINAIRE

Free diffusion lighting.



392 lm - Colour temperature 3 000 K (T° 4 000 K - 401 lm as option).

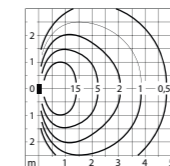
Cast aluminium, aluminium and stainless steel. White safety glass.

Dust-proof and water jet protected.

Pre-cabling 3G1.5<sup>2</sup> - Length 1 m.

Power supply LED 220-240 V - 0/50-60 Hz. DC 176-264 V.

Class I - IP 64 - IK 09 - Weight: 1 kg.



Light diffusion  
LED 8,4 W.

### NOTE

The power supply is located on the top part of the bollard: prepare enough cable length to proceed with the connection.



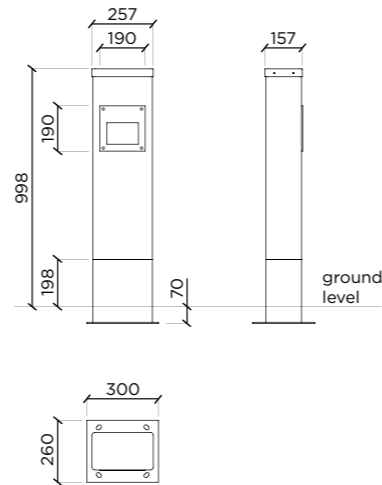
# NATTY 3

LIGHTING BOLLARD

## LED 10,5 W



NATTY 3 BOLLARD	PBD0715
Height	1,07 m
Power	10,5 W
Type of lamp	LED
Class	I
IP	55



### MATERIALS SQUARED SHAFT

Regular rectangular shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Rectangular flush base in galvanized steel, powder coated polyester finish. Overlying top in galvanized steel, powder coated polyester finish. Connexion box with drawer for Neozed 16A installation. Synthetic shock resistant case. Protection degree IP 55. Protection class II. For diversion cabling until 5 x 4<sup>2</sup>.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M12 x 200.  
Spacing dimensions on plate: 200 x 200 mm.  
Fixation hole on plate: 16 x 24 mm.



### MEASUREMENTS

h x L x l: 1 068 x 257 x 157 mm  
Weight: 22 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume or Dark Mineral - METAL: Black 100 sanded.



Cpa Car Parking Area - Pa Public Area - Cp Cycle Path - Pf Pedestrian footpath - S Street



### LED 10,5 W LUMINAIRE

Elliptical diffusion lighting.



592 lm - Colour temperature 3 000 K (T° 4 000 K - 642 lm as option).

Cast aluminium, aluminium and stainless steel.

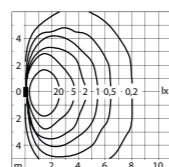
Safety glass with optical structure. Reflector in pure anodized aluminium.

Dust-proof and water jet protected.

Pre-cabling 3G1.5<sup>2</sup> - Length 1 m.

Power supply LED 220-240 V - 0/50-60 Hz. DC 176-264 V.

Class I - IP 65 - IK 09 - Weight: 1,6 kg.



Light diffusion  
LED 10,5 W.

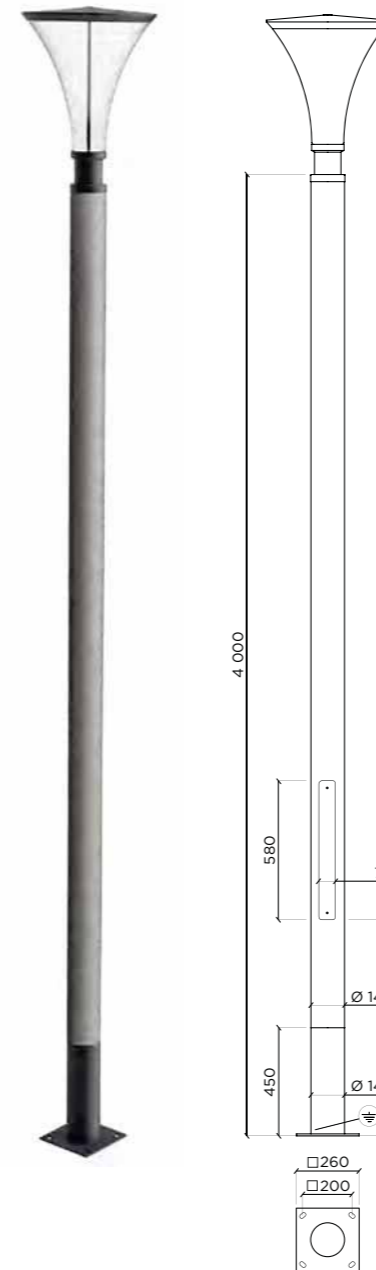
### NOTE

The power supply is located on the top part of the bollard: prepare enough cable length to proceed with the connection.

# NATTY XL

LIGHTING COLUMN

## LED 32 W



NATTY XL COLUMN	PCO0213
Height	4 m
Power	32 W
Type of lamp	LED



### MATERIALS ROUND SHAFT

Regular round shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base and overlying top in galvanized steel, powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

**CE mark product: Conformity certificate CE 0679-CPD-0473.**



### FIXATION

Anchor rods: 4 HA20/M18 x 400.  
Spacing dimensions on plate: 200 x 200 mm.  
Fixation hole on plate: Ø 16 x 28 mm.



### MEASUREMENTS

Height of light: 4 665 mm  
Weight: 30 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.



### LED 32 W LUMINAIRE

Circular symmetrical diffusion lighting.



4 440 lm - Colour temperature 4 000 K (T° 3 000 K - 4 120 lm as option).

Cast aluminium, aluminium and stainless steel.

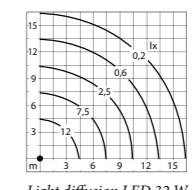
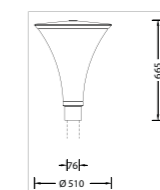
Clear synthetic bowl. Reflector in pure anodized aluminium.

Closing without tool. Dust-proof and water jet protected.

Delivered with 1 connecting cable X05BQ-F 4 x 1<sup>2</sup> - Length 6 m.

Power supply LED 220-240 V - 50-60 Hz. Dimmable 1-10 V.

Class II - IP 65 - IK 09 - Weight: 20 kg.



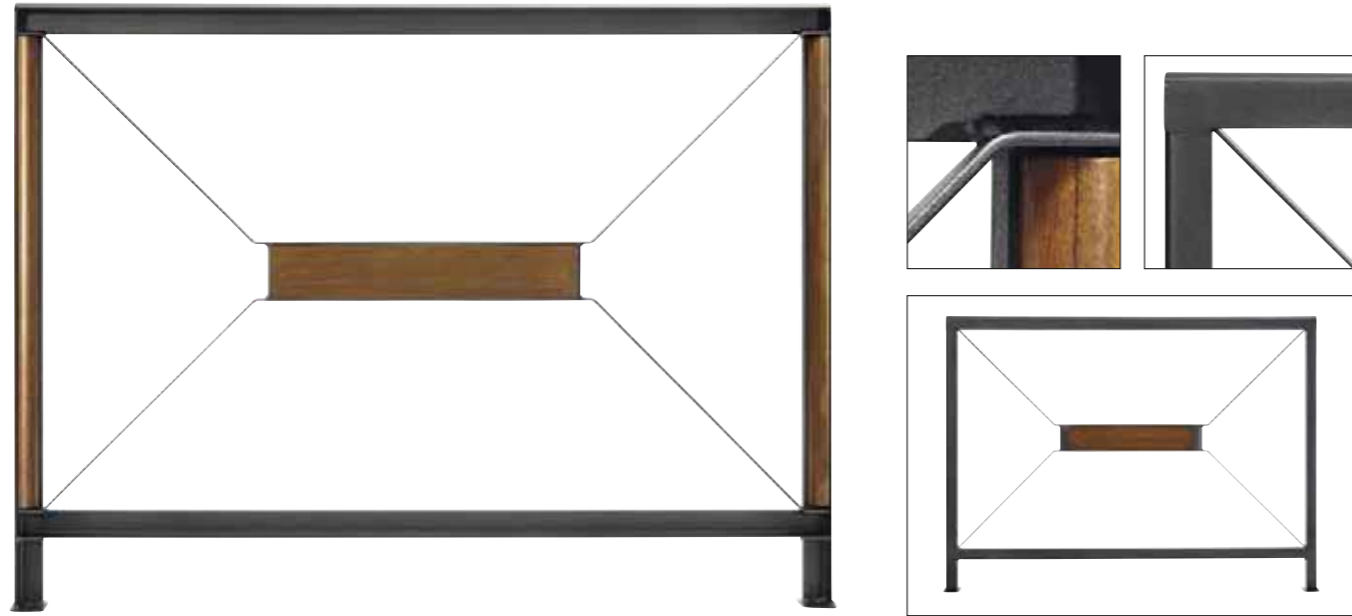
Light diffusion LED 32 W.



# UTYL

Ref. PMR0544

## BARRIER



+ Flavard & Saguez design + aesthetic + ecologic + economic



### MATERIALS

Electro-galvanised steel structure, double-layered polyester powder coated. Glued laminated timber panels from sustainably managed forests. Timber finished with three layers of woodstain. Must be buried in the ground 300 mm. Fixation on plate: optional.



### FIXATION

Buried 300 mm.



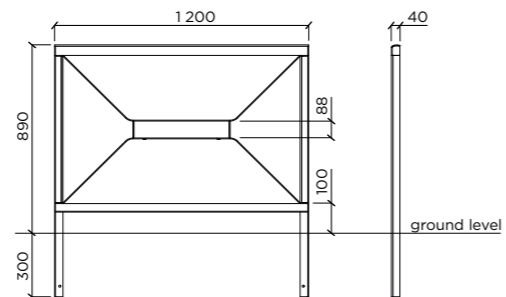
### MEASUREMENTS

h x L x w: 890 x 1 200 x 40 mm  
Weight: 16,5 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.



# UTYL

Ref. PMR0541

## BENCH



+ Flavard & Saguez design + aesthetic + ecologic + economic



### MATERIALS

Electro-galvanised steel structure, double-layered polyester powder coated. Seat in glued laminated timber from sustainably managed forests. Timber finished with three layers of woodstain. Must be fixed to the ground on base plate.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M10 x 80.  
Fixation holes on plate: Ø 12 mm.



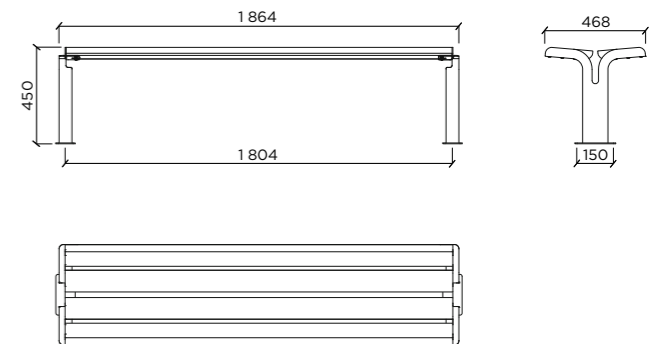
### MEASUREMENTS

h x L x w: 450 x 1 864 x 468 mm  
Plate size: 190 x 90 mm  
Weight: 22,5 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.





# UTYL

Ref. PMR0542

## 14-SLAT BENCH



+ Flavard & Saguez design + aesthetic + ecologic + economic



### MATERIALS

Electro-galvanised steel structure, double-layered polyester powder coated. Seat and backrest in glued laminated timber from sustainably managed forests. Timber finished with three layers of woodstain. Must be fixed to the ground on base plate.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M10 x 80.  
Fixation holes on plate: Ø 12 mm.



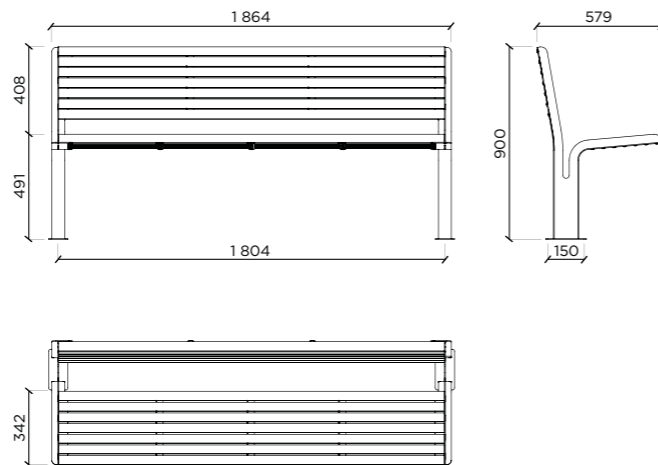
### MEASUREMENTS

h x L x w: 900 x 1864 x 579 mm  
Plate size: 190 x 90 mm  
Weight: 31,8 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.



# UTYL

Ref. PMR0543

## 6-SLAT BENCH



+ Flavard & Saguez design + aesthetic + ecologic + economic



### MATERIALS

Electro-galvanised steel structure, double-layered polyester powder coated. Seat and backrest in glued laminated timber from sustainably managed forests. Timber finished with three layers of woodstain. Must be fixed to the ground on base plate.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M10 x 80.  
Fixation holes on plate: Ø 12 mm.



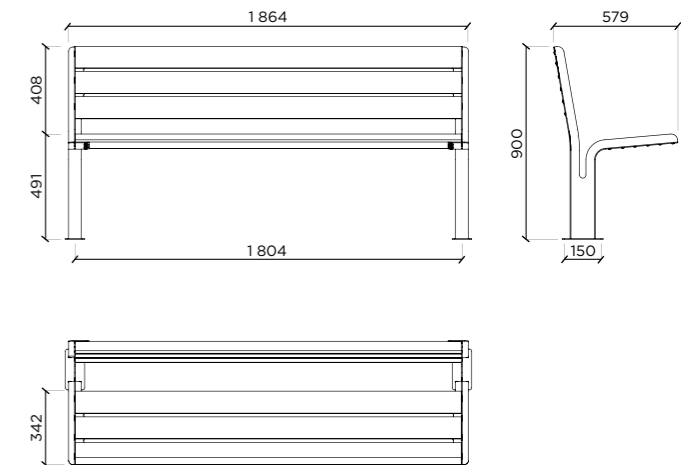
### MEASUREMENTS

h x L x w: 900 x 1864 x 579 mm  
Plate size: 190 x 90 mm  
Weight: 33,8 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.





# UTYL

Ref. PMR0548

## UTYL PLANTER



+ Flavard & Saguez design + aesthetic + ecologic + economic



### MATERIALS

Electro-galvanised steel structure, double-layered polyester powder coated. High Pressure Laminate panels, 12mm-thick. Polyethylene tank included.



### FIXATION

No ground fixation required.



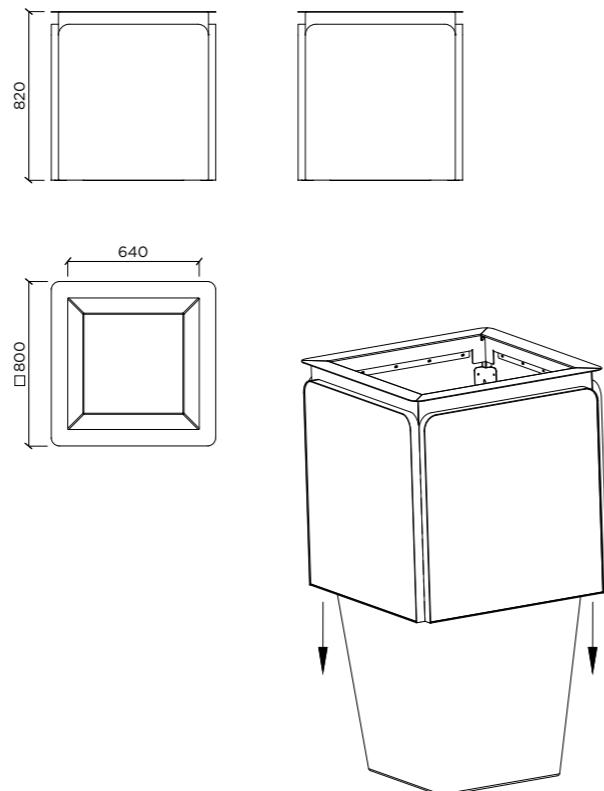
### MEASUREMENTS

h x L x w: 820 x 800 x 800 mm  
Capacity: 280 l - Weight: 73,8 kg



### STANDARD COLOUR IDENTITY

HPL: Ref. 0797 Noyer Tirano - METAL: Black 100 sanded.



# UTYL

Ref. PMR0546

## ASHTRAY



+ Flavard & Saguez design + aesthetic + ecologic + economic



### MATERIALS

Electro-galvanised steel structure, double layered polyester, powder coated. Stainless steel removable tank and top cover, triangular key lock. Must be fixed to the ground on base plate.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M10 x 80.  
Fixation holes on plate: Ø 12 mm.



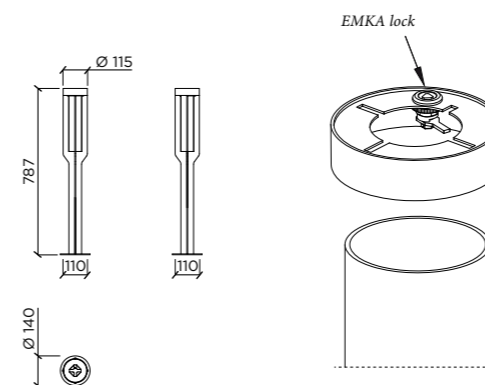
### MEASUREMENTS

h x Ø: 787 x 115 mm  
Capacity: 0,75 l - Weight: 5,2 kg



### STANDARD COLOUR IDENTITY

METAL: Black 100 sanded.



Ref. PMR0547

## CYCLE STAND



### MATERIALS

Electro-galvanised steel structure, double-layered polyester powder coated. Glued laminated timber panels from sustainably managed forests. Timber finished with three layers of woodstain. Must be fixed to the ground on base plate.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M10 x 80.  
Fixation holes on plate: Ø 12 mm.



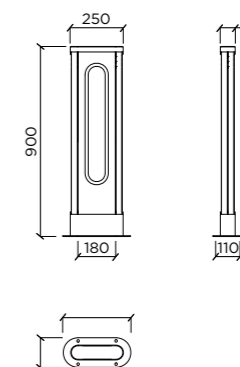
### MEASUREMENTS

h x L x w: 900 x 250 x 70 mm  
Weight: 15 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.





UTYL

Ref. PJA0550

**BOLLARD**



Ref. PJA0552

**PRM BOLLARD**



+ Flavard & Saguez design + aesthetic + ecologic + economic



**MATERIALS**

Electro-galvanised steel structure, double-layered polyester powder coated. Glued laminated timber panels from sustainably managed forests. Timber finished with three layers of woodstain. Must be buried in the ground 300 mm. Fixation on plate: optional.



**FIXATION**

Buried 300 mm. Exists in removable version.



**MEASUREMENTS**

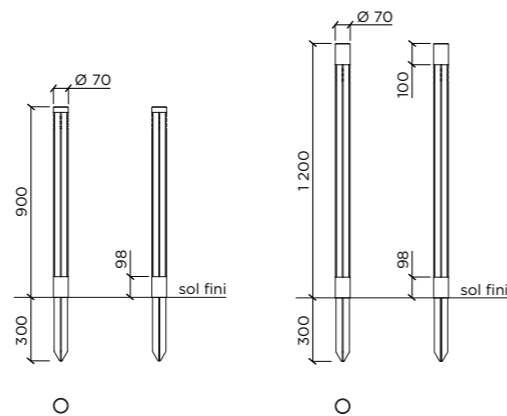
■ PJA0550 Bollard  
h x Ø: 900 x 70 mm  
Weight: 6,4 kg

■ PJA0552 PRM Bollard  
h x Ø: 1 200 x 70 mm  
Weight: 8,3 kg



**STANDARD COLOUR IDENTITY**

WOOD: Brume - METAL: Black 100 sanded.  
PRM top: white powder coating.



UTYL

Ref. PJA0542

**DIAPASON BOLLARD**



Ref. PJA0544

**DIAPASON PRM BOLLARD**



+ Flavard & Saguez design + aesthetic + ecologic + economic



**MATERIALS**

Electro-galvanised steel structure, double-layered polyester powder coated. Glued laminated timber panels from sustainably managed forests. Timber finished with three layers of woodstain. Must be buried in the ground 300 mm. Fixation on plate: optional.



**FIXATION**

Buried 300 mm. Exists in removable version.



**MEASUREMENTS**

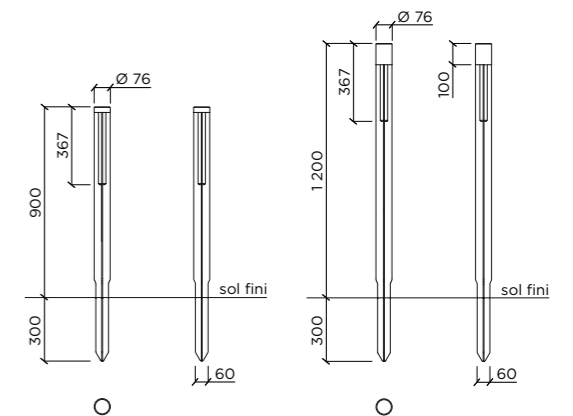
■ PJA0542 Diapason bollard  
h x Ø: 900 x 76 mm  
Weight: 4,8 kg

■ PJA0544 PRM Diapason bollard  
h x Ø: 1 200 x 76 mm  
Weight: 6,7 kg



**STANDARD COLOUR IDENTITY**

WOOD: Brume - METAL: Black 100 sanded.  
PRM top: white powder coating.





# UTYL

Ref. PMR0549

## LITTER BIN



+ Flavard & Saguez design + aesthetic + ecologic + economic



### MATERIALS

Electro-galvanised steel structure, double-layered polyester powder coated. Beech plywood sheet, HPL Noyer Tirano veneer in front and anti-UV varnish on the sides. Removable galvanised steel tank. Must be fixed on the ground on base plate.



### FIXATION

Chemical sealing.  
Anchor rods: threaded rod M10 x 80.  
Fixation holes on plate: Ø 12 mm.



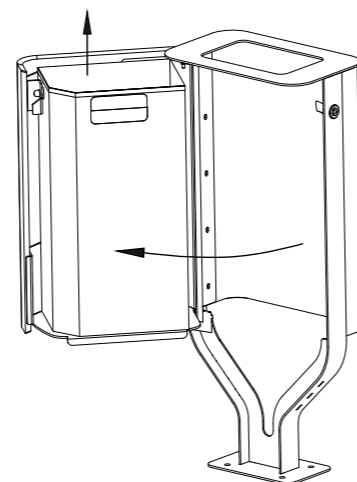
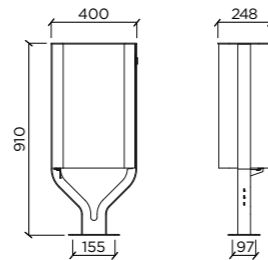
### MEASUREMENTS

h x L x w: 910 x 400 x 248 mm  
Base plate size: 240 x 150 mm  
Capacity: 30 l - Weight: 23,5 kg



### STANDARD COLOUR IDENTITY

HPL: Ref. 0797 Noyer Tirano - METAL: Black 100 sanded.



# MOSHI

Ref. PMR0183

## LITTER BIN



### MATERIALS

Square body made up of 4 panels in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests. Timber finished with three coats of woodstain (Aubriliam HTE process). Cylindrical lid support and base in galvanised steel polyester powder coated. Liner in polyethylene. Triangular key lock and closing hook.



### FIXATION

Stud anchors.  
Anchor rods: M10 x 120.



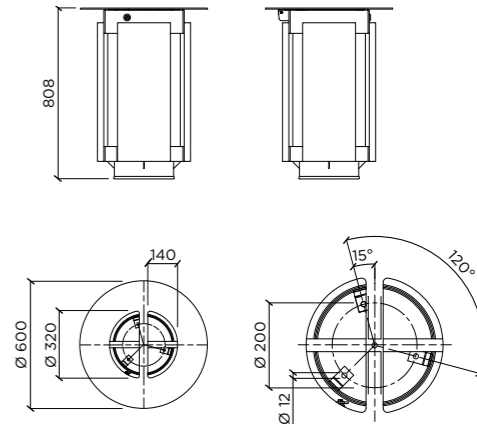
### MEASUREMENTS

h x Ø: 808 x 600 mm  
Capacity: 2 x 30 l - Weight: 36 kg



### STANDARD COLOUR IDENTITY

WOOD: Brume - METAL: Black 100 sanded.





# UTYL

## SHADE SHELTER



+ versatile product + advantages of UTYL range



**MATERIALS**  
Hot-dip galvanised steel structure, double-layered polyester powder coated. Louvres in thermo-treated wood.  
Must be fixed to the ground on base plate.



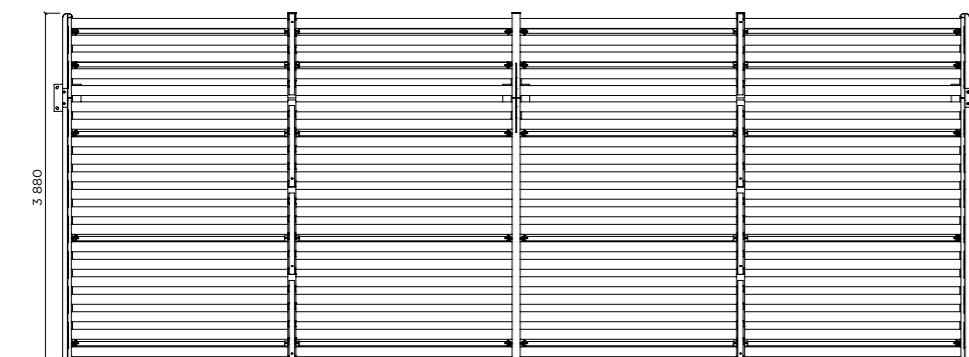
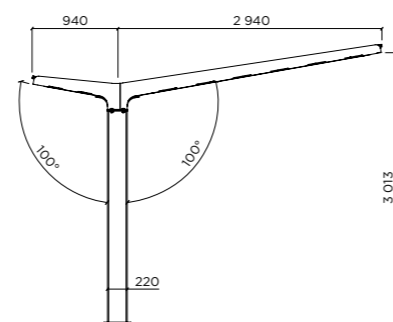
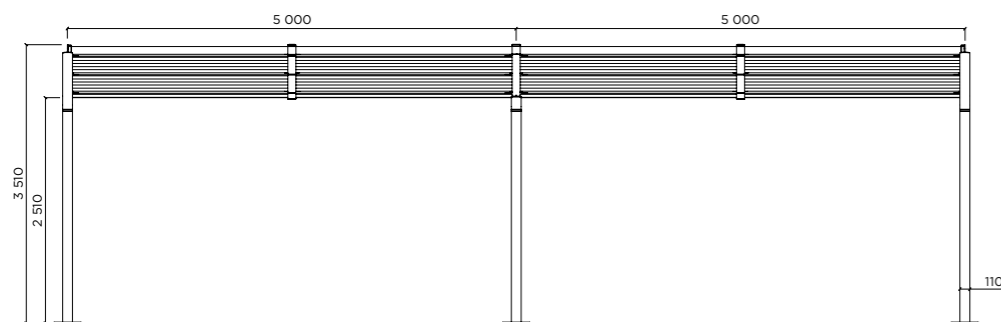
**FIXATION**  
Chemical sealing.  
Anchor rods: threaded rod M16 x 250.  
Spacing dimensions on plate: 230 x 230 mm.  
Fixation holes on plate: Ø 22 x 35 mm.



**MEASUREMENTS**  
Standard module  
Capacity: 4 vehicles  
h x L x w: 3 100 x 2x5 000 x 3 880 mm  
Plate size: 300 x 300 mm  
Weight: 875 kg



**STANDARD COLOUR IDENTITY**  
METAL: Black 100 sanded.



**OPTIONAL - CONSULT US**

- PRM space (poles spacing for one space: 3,30 m)
- Extra standard space (poles spacing: 2,50 m)
- Anchor ground fixation (without concrete foundation)
- Structure in galvanized steel only

# UTYL

Ref. PMZ0350

## SINGLE SHELTER

Ref. PMZ0347

## DOUBLE SHELTER



+ Flavard & Saguez design + common product for 2 different uses: bikes shelter and smokers shelter + modular product



**MATERIALS**  
Electro-galvanised steel structure, double layered polyester powder coated. Alveolar polycarbonate roof, electrogalvanized drip.



**MEASUREMENTS**

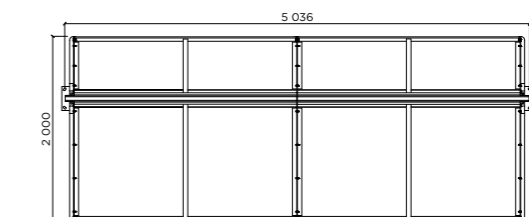
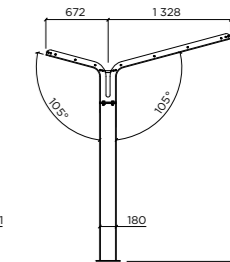
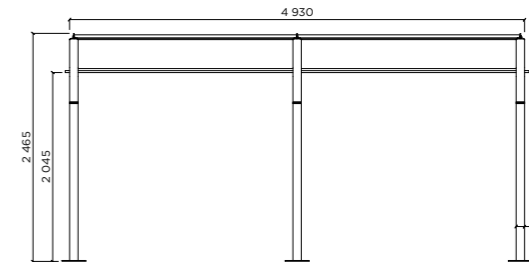
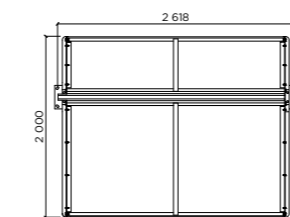
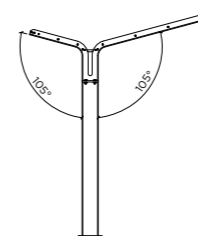
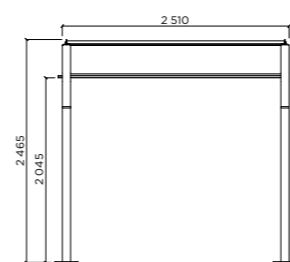
- PMZ0350 Single shelter  
Storage capacity: 6 bikes  
h x L x w: 2 465 x 2 510 x 2 000 mm  
Plate size: 260 x 260 mm  
Weight: 167,4 kg
- PMZ0347 Double shelter  
Storage capacity: 12 bikes  
h x L x w: 2 465 x 4 930 x 2 000 mm  
Plate size: 260 x 260 mm  
Weight: 271,5 kg



**FIXATION**  
Chemical sealing.  
Anchor rods: threaded rod M14 x 300.  
Plate spacing dimensions: 200 x 200 mm.  
Fixation holes on plate: Ø 16 x 28 mm.



**STANDARD COLOUR IDENTITY**  
METAL: Black 100 sanded.





# SOLEA

Ref. PMT0346

## 2-SEAT TABLE



Ref. PMT0246

## 4-SEAT TABLE



**OPTIONAL - ON-DEMAND**  
 Monoblock 4-seat table  
 Connecting shaft table-bench  
 Parasol guide with blocking system



+ U.V. protected, shock resistant and weatherproof + delivered in kit + easy assembling + adapted element PRM + ease of maintenance: water + soap



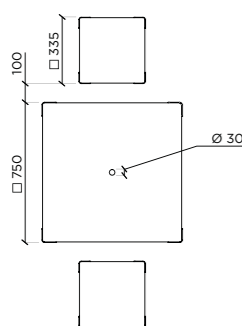
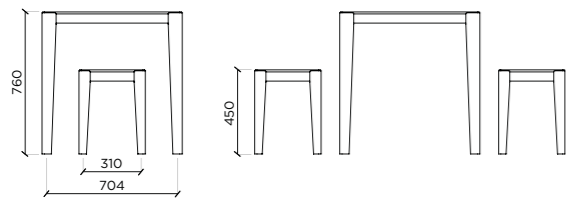
**MATERIALS**  
 Electro-galvanised steel structure, polyester powder coated. Table top and seats in high pressure laminate, 12 mm-thick. Must be fixed to the ground on base plate.



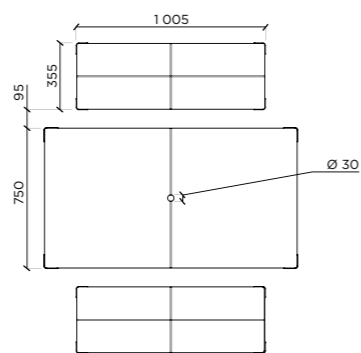
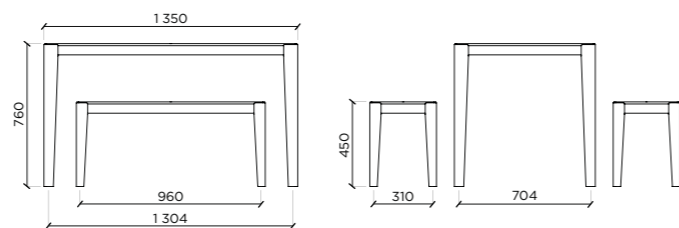
**FIXATION**  
 Chemical sealing.  
 Anchor rods: threaded rod M8 x 70.  
 Fixation holes on plate: Ø 10 mm.



**STANDARD COLOUR IDENTITY**  
 HPL: Ref. 0801 Pin Vieilli.  
 METAL: Black 200 sanded.  
 For any other colours, please refer to Aubrilam colour chart (on-demand subject to conditions).



**MEASUREMENTS**  
 ■ PMT0314 2-seat table  
 h x L x w: 760 x 750 x 750 mm  
 Weight: 24,8 kg  
 ■ PMT0345 stool  
 h x L x w: 450 x 355 x 355 mm  
 Weight: 8,5 kg



**MEASUREMENTS**  
 ■ PMT0252 4-seat table  
 h x L x w: 760 x 1 350 x 750 mm  
 Poids: 35,2 kg  
 ■ PMT0250 2-seat bench  
 h x L x w: 450 x 1 005 x 355 mm  
 Poids: 14,9 kg

# SOLEA

Ref. PMT0247

## 6-SEAT TABLE



**OPTIONAL - ON-DEMAND**  
 Connecting shaft table-bench  
 Parasol guide with blocking system



+ U.V. protected, shock resistant and weatherproof + delivered in kit + easy assembling + adapted element PRM + ease of maintenance: water + soap



**MATERIALS**  
 Electro-galvanised steel structure, polyester powder coated. Table top and seats in high pressure laminate, 12 mm-thick. Must be fixed to the ground on base plate.



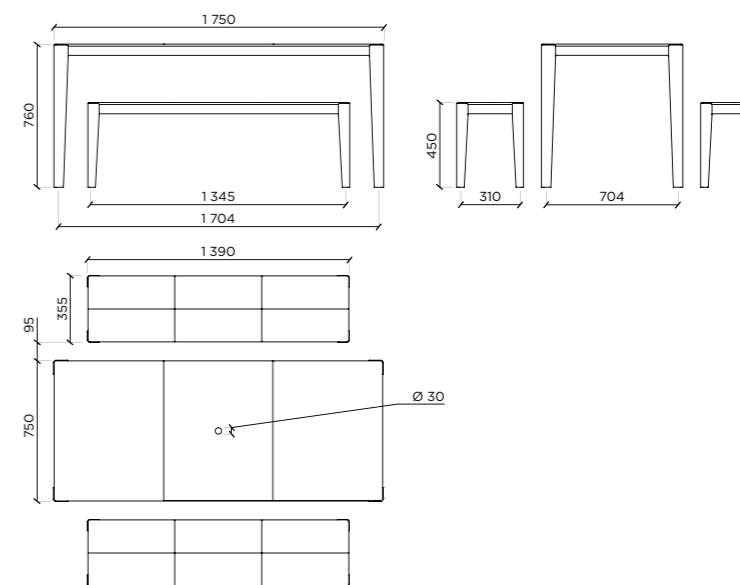
**FIXATION**  
 Chemical sealing.  
 Anchor rods: threaded rod M8 x 70.  
 Fixation holes on plate: Ø 10 mm.



**STANDARD COLOUR IDENTITY**  
 HPL: Ref. 0801 Pin Vieilli.  
 METAL: Black 200 sanded.  
 For any other colours, please refer to Aubrilam colour chart (on-demand subject to conditions).



**MEASUREMENTS**  
 ■ PMT0253 6-seat table  
 h x L x w: 760 x 1 750 x 750 mm  
 Weight: 42,1 kg  
 ■ PMT0251 3-seat bench  
 h x L x w: 450 x 1 390 x 355 mm  
 Weight: 18,6 kg





SOLEA

Ref. PMT0248

2-SEAT HIGH TABLE

Ref. PMT0249

4-SEAT HIGH TABLE



**OPTIONAL - ON-DEMAND**  
Stand-up table with PRM adaptation



+ U.V. protected, shock resistant and weatherproof + delivered in kit + easy assembling + ease of maintenance: water + soap



**MATERIALS**

Electro-galvanised steel structure, polyester powder coated. Table top and seats in high pressure laminate, 12 mm-thick. Stainless steel footrest.  
Must be fixed to the ground on base plate.



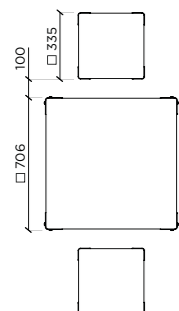
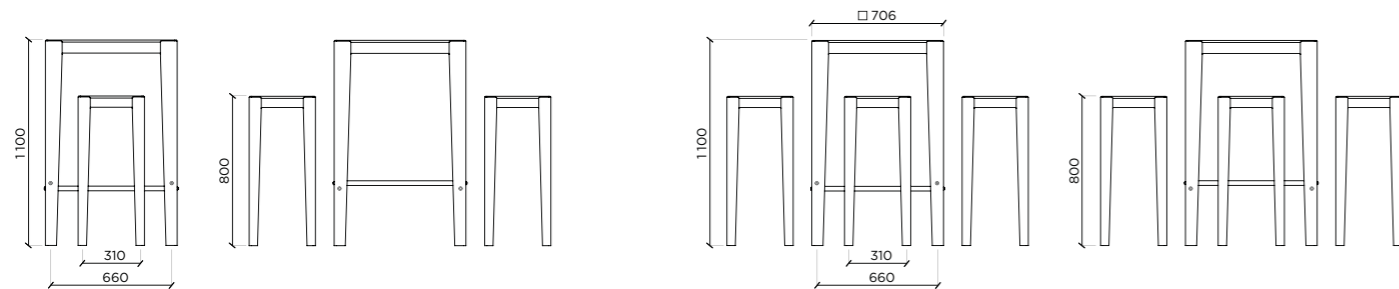
**FIXATION**

Chemical sealing.  
Anchor rods: threaded rod M8 x 70.  
Fixation holes on plate: Ø 10 mm.



**STANDARD COLOUR IDENTITY**

HPL: Ref. 0801 Pin Vieilli.  
METAL: Black 200 sanded.  
For any other colours, please refer to Aubrilam colour chart (on-demand subject to conditions).



**MEASUREMENTS**

■ PMT0254 High table  
h x L x w: 1100 x 706 x 706 mm  
Weight: 33 kg

■ PMT0253 High stool  
h x L x w: 800 x 355 x 355 mm  
Weight: 11,7 kg

SOLEA

Ref. PMJ0215

PLANTER

Ref. PMC0114

ASHTRAY



+ U.V. protected, shock resistant and weatherproof + ease of maintenance: water + soap



**MATERIALS**

Electro-galvanised steel structure, double-layered polyester powder coated. Rectangular body in high pressure laminate. Polyethylene tank included.



**FIXATION**

No ground fixation required.



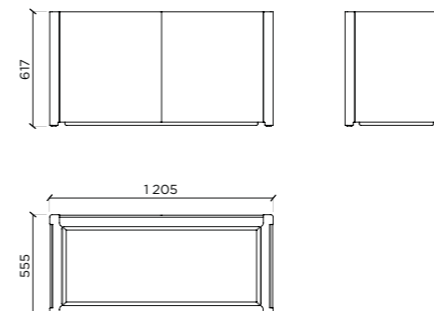
**MEASUREMENTS**

h x L x w: 617 x 1205 x 555 mm  
Capacity: 260 l - Weight: 59,4 kg



**STANDARD COLOUR IDENTITY**

HPL: Ref. 0801 Pin Vieilli - METAL: Black 200 sanded.  
For any other colour, please refer to Aubrilam colour chart (on request according to conditions).



**MATERIALS**

Electro-galvanised steel structure, polyester powder coated. High pressure laminate panels. Electro-galvanised steel tank.



**FIXATION**

Chemical sealing on only 2 fixation points.  
Anchor rods: threaded rod M8 x 70.  
Fixation holes on plate: Ø 13 mm.



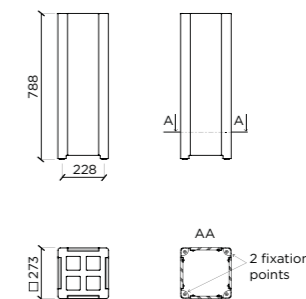
**MEASUREMENTS**

h x L x w: 788 x 273 x 273 mm  
Capacity: 1,8 l - Weight: 22,3 kg



**STANDARD COLOUR IDENTITY**

HPL: Ref. 0801 Pin Vieilli - METAL: Black 200 sanded.  
For any other colour, please refer to Aubrilam colour chart (on request according to conditions).





# SOLEA

Ref. PMP0131

## LITTER BIN



+ UV. protected, shock resistant and weatherproof + ease of maintenance: water + soap



**MATERIALS**  
Electro-galvanised steel structure, polyester powder coated. High pressure laminate panels. Polyethylene tank.



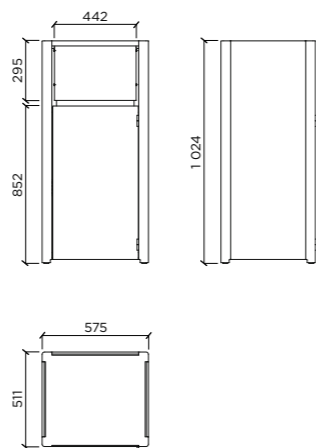
**FIXATION**  
Possible fixation to the ground.



**MEASUREMENTS**  
h x L x w: 1 024 x 575 x 511 mm  
Capacity: 108 l - Weight: 71,2 kg



**STANDARD COLOUR IDENTITY**  
HPL: Ref. 0801 Pin Vieilli - METAL: Black 200 sanded.  
*For any other colour, please refer to Aubrilam colour chart (on request according to conditions).*



# RENDEZ-VOUS

## BENCHES



	1.	2.	3.	4.	5.	6.	7.
<b>RENDEZ-VOUS</b>							
Reference	PMR0221	PMR0222	PMR0223	PMR0224	PMR0225	PMR0226	PMR0227
Weight	133 kg	119 kg	163 kg	154 kg	74 kg	135 kg	105 kg

+ Flavard & Saguez design + 7 possible combinations for 1



**MATERIALS**  
Electro-galvanised steel structure, polyester powder coated. Wood slats in glued laminated timber from sustainably managed forests. Timber finished with three layers of woodstain. High performance concrete seats, protected with a BF24h type stain. Fixation to the ground is recommended.



**FIXATION**  
Chemical sealing.  
Anchor rods: threaded rod M10 x 80.  
Fixation holes: Ø 12 mm.

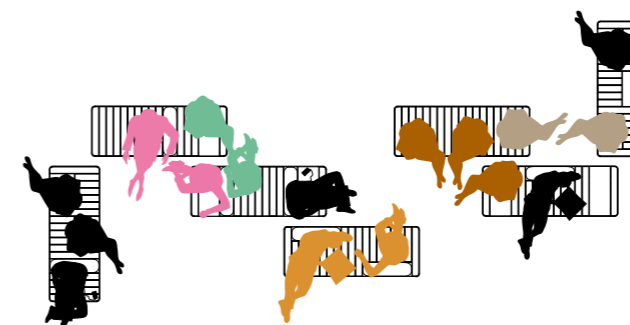
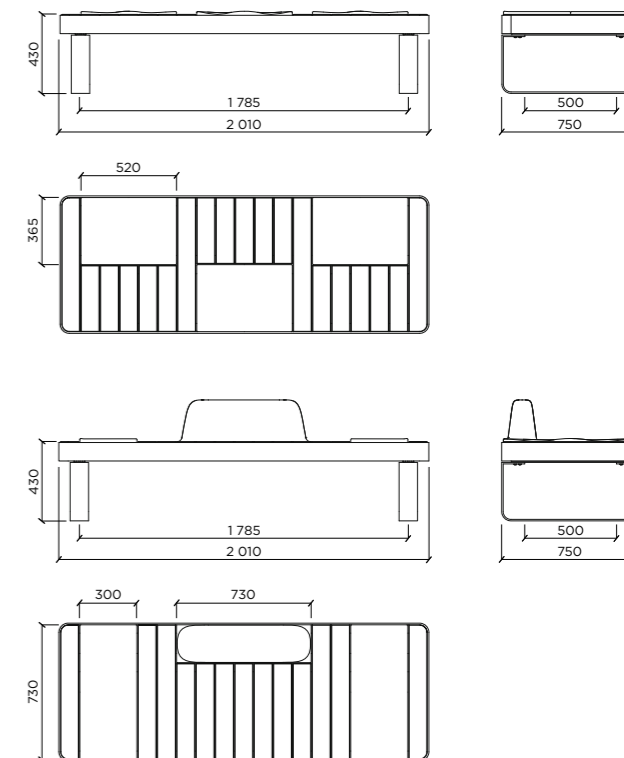


**MEASUREMENTS**

- Structure  
h x L x w: 430 x 2 010 x 750 mm
- Small seat  
L x w: 520 x 365 mm  
Weight: 12 kg
- Large seat  
L x w: 730 x 300 mm  
Weight: 15 kg
- Backrest  
h x L x w: 225 x 730 x 205 mm  
Weight: 37 kg (hollow)



**STANDARD COLOUR IDENTITY**  
WOOD: Brume or Dark Mineral.  
METAL: Black 100 sanded.





## AREA 2 SHADE SHELTER



SHADE SHELTER AREA 2	PMO0602	PMO0604	PMO0605	PMO0607
Roof	Steel deck	Polycarbonate	Steel deck	Polycarbonate
Wind speed	24 m/s	24 m/s	28 m/s	28 m/s
Terrain roughness	2	2	0	0

**CONSULT US**

Shade shelter AREA 2 - Photovoltaic roof version



+ Flavard & Saguez design + common product for 3 types of roof + delivered in kit + associated services

**MATERIALS**

Structure in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Base section and connecting piece for the roof made of galvanised steel, finished in powder coated polyester.

Single pitch structure with a 10° inclination, calculated according to Structural Eurocodes (0,1,3-4-5-7-8). Covered surface area of 25 m², with available width of 2,60 m by car space (2 covered vehicles).

**STANDARD COLOUR IDENTITY**

WOOD: Brume - METAL: Black 100 sanded - STEEL DECK: Black 100 sanded.

**FIXATION**

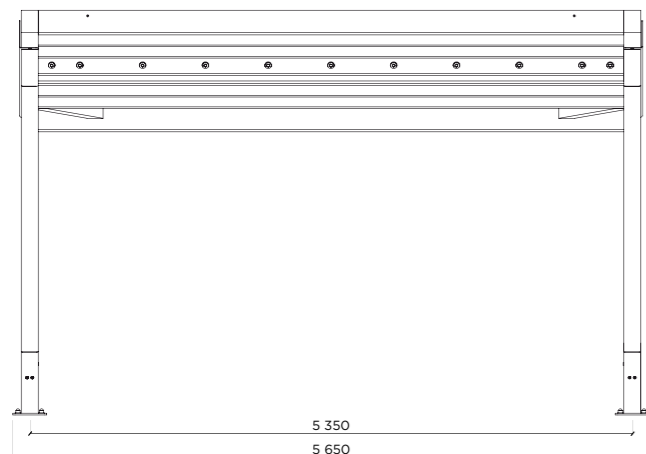
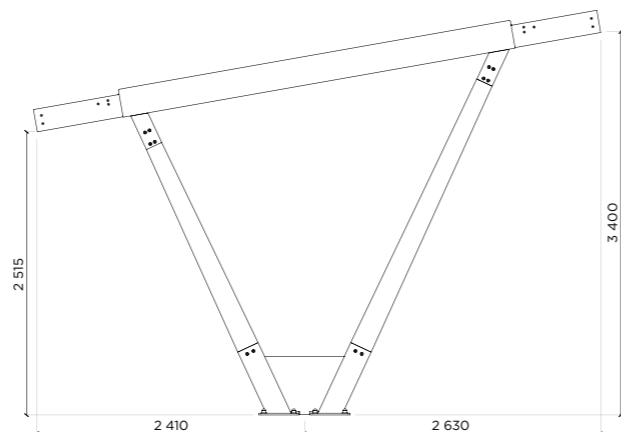
■ PMO0602 - PMO0603 - PMO0604  
Anchor rods: M20 x 500.  
Spacing dimensions on plate: 265 x 210 mm.  
Fixation holes on plate: Ø 24 x 48 mm.

**MEASUREMENTS**

■ PMO0602 - PMO0603 - PMO0604  
h x L x w: 3 400 x 5 650 x 5 040 mm  
Plate size: 355 x 300 mm  
Structure weight: 1 100 kg

■ PMO0605 - PMO0606 - PMO0607  
Anchor rods: M24 x 500.  
Spacing dimensions on plate: 315 x 210 mm.  
Fixation holes on plate: Ø 28 x 56 mm.

■ PMO0605 - PMO0606 - PMO0607  
h x L x w: 3 400 x 5 650 x 5 040 mm  
Plate size: 405 x 300 mm  
Structure weight: 1 430 kg



## BAMBOO CHARGING POINT FOR ELECTRIC VEHICLES



THREE-PHASE REGULATING POINT	PBE0711	PBE0701	OPTIONAL	OPTIONAL
Reference	XEV500	XEV500C	XEV505	XEV505C
Plugs	Type E - Type 3	Type E - Type 3	2 x Type E - Type 3	2 x Type E - Type 3
kVa	3,7 - 22	3,7 - 22	3,7 - 22	3,7 - 22
Communication and metering	no	yes	no	yes



+ Atelier Aa & Studio Marc Aurel design + Z.E. Ready 1.2 qualified + vandal-proof: interchangeable case + market price



**MATERIALS**

Casing made of glued laminated wood GL24 Class III ACERBOIS GLULAM-certified and made from sawn timber from sustainably managed forests and designed according to the HTE process. Finished with 3 coats of wood stain. PMMA Satin body. Thermo-injected plastic cover and flap. Hot dipped galvanized steel base, finished in powder coated polyester. Protection degre IP54-IK10.

**CHARACTERISTICS**

- Intelligent management system of charging, by controller and electronic card
- Power modulation
- Management of day/night rate
- Flood lighting by pulsating LEDs
- Lighting for access and charging by LEDs
- Protection system integrated in the charging point
- Energy access through RFID badge (20-badge set supplied)

**OPTIONAL**

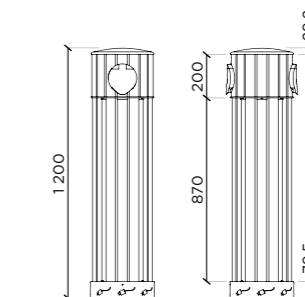
- Metering by dispatch of information via modem
- Communication via Bus TCP/IP and OCPP protocol (Open Charge Point Protocol)
- Compatible with Kiwhi Pass

**STANDARD COLOUR IDENTITY**

WOOD: Tonnelier - METAL: Brown 650 sanded.

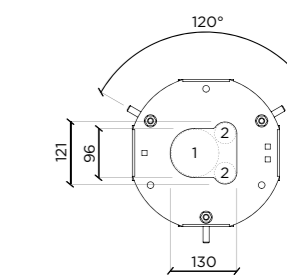
**FIXATION**

Anchor rods: threaded rod M12 x 445.  
Spacing dimensions on plate: Ø 250 mm.  
Fixation holes: Ø 13 mm.



**MEASUREMENTS**

h x Ø: 1 200 x 300 mm  
Weight: 40 kg



**ANCHOR KIT**

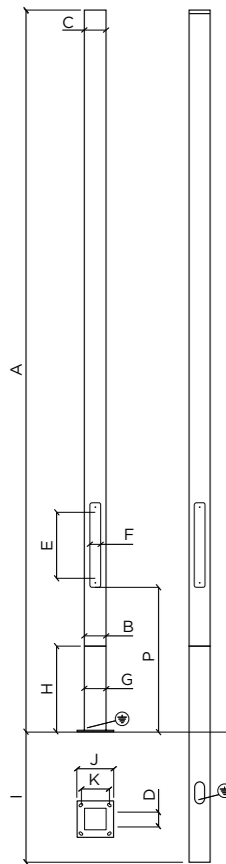
- 1 Sleeve location  
Power supply Ø 63 mm.
- 2 Sleeve location  
Communication Ø 40 mm.



# MOSHI - MOSHI XL

SQUARED COLUMNS

3 M ▶ 6 M



- A. Pole height
- B. Shaft section at base
- C. Shaft section on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base section
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## MOSHI

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCO3230	PCO2230	3	120	120	78	460 x 60	1	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	20
PCO3235	PCO2235	3,5	120	120	78	460 x 60	1	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	22
PCO3240	PCO2240	4	120	120	78	460 x 60	1	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	24
PCO3440	PCO2440	4	140	140	93	460 x 70	1	140	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	32
PCO3250	PCO2250	5	120	120	78	460 x 60	1	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	27
PCO3450	PCO2450	5	140	140	93	460 x 70	1	140	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	38
PCO3650	PCO2650	5	160	160	108	460 x 70	1	160	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	51
PCO3460	PCO2460	6	140	140	93	460 x 70	1	140	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	43
PCO3660	PCO2660	6	160	160	108	460 x 70	1	160	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	58



### MATERIALS SQUARED SHAFT

Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

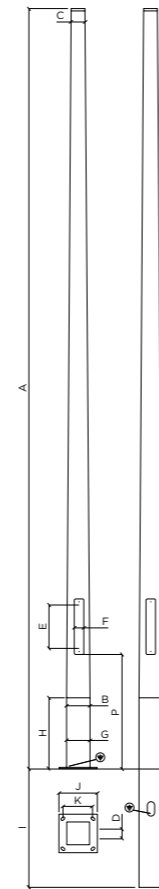
CE marked product: Conformity certificate CE 0679-CPD-0473.



# SILEA - SILEA XL

SQUARED TAPERED COLUMNS

3 M ▶ 10 M



- A. Pole height
- B. Shaft section at base
- C. Shaft section on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base section
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## SILEA

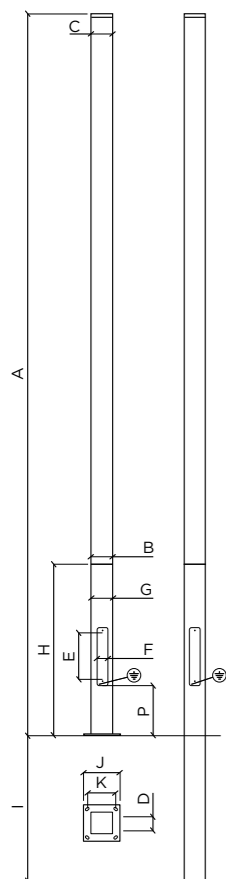
REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCS1303	PCS2303	3	120	76	64	460 x 60	0,75	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	18
PCS1353	PCS2353	3,5	120	76	64	460 x 60	0,75	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	19
PCS1304	PCS2304	4	120	76	64	460 x 60	0,75	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	21
PCS1504	PCS2504	4	140	76	72	460 x 70	0,90	140	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	27
PCS1305	PCS2305	5	120	76	64	460 x 60	0,75	120	0,50	0,70	260 x 260	200 x 200	4 HA16/M14 - 300	24
PCS1505	PCS2505	5	140	76	72	460 x 70	0,90	140	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	30
PCS1605	PCS2605	5	160	120	98	460 x 70	0,90	160	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	45
PCS1506	PCS2506	6	140	76	72	460 x 70	0,90	140	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	34
PCS1606	PCS2606	6	160	120	98	460 x 70	0,90	160	0,60	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	52
PCS1617	PCS2607	7	160	120	98	460 x 70	0,90	160	0,60	0,90	400 x 400	300 x 300	4 HA16/M14 - 300	58
PCS1807	PCS2807	7	200	120	124	460 x 90	1,20	200	0,75	1,25	400 x 400	300 x 300	4 HA20/M18 - 400	88
PCS1808	PCS2808	8	200	120	124	460 x 90	1,20	200	0,75	1,25	400 x 400	300 x 300	4 HA20/M18 - 400	96
PCS1908	PCS2908	8	220	140	138	460 x 90	1,20	220	0,75	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	114
PCS1909	PCS2909	9	220	140	138	460 x 90	1,20	220	0,75	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	124
PCS1209	PCS2209	9	250	140	166	460 x 90	1,20	250	0,75	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	147
PCS1910	PCS2910	10	220	140	138	460 x 90	1,20	220	0,75	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	140
PCS1210	PCS2210	10	250	140	166	460 x 90	1,20	250	0,75	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	157



### MATERIALS SQUARED TAPERED SHAFT

Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.



- A. Pole height
- B. Shaft section at base
- C. Shaft section on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base section
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## MOSHI XL

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCO0235	PCO1235	3,5	120	120	100	300 x 80	0,35	120	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	28
PCO0240	PCO1240	4	120	120	100	300 x 80	0,35	120	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	30
PCO0250	PCO1250	5	120	120	100	300 x 80	0,35	120	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	35
PCO0450	PCO1450	5	140	140	117	400 x 90	0,35	140	1,20	1,00	260 x 260	200 x 200	4 HA16/M14 - 300	48
PCO0460	PCO1460	6	140	140	117	400 x 90	0,35	140	1,20	1,00	260 x 260	200 x 200	4 HA16/M14 - 300	53
PCO0660	PCO1660	6	160	160	137	450 x 90	0,35	160	1,20	1,30	260 x 260	200 x 200	4 HA20/M18 - 400	69



### MATERIALS SQUARED SHAFT

Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.



- A. Pole height
- B. Shaft section at base
- C. Shaft section on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base section
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## SILEA XL

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCS3304	PCS4304	4	120	76	97	300 x 80	0,35	120	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	26
PCS3305	PCS4305	5	120	76	97	300 x 80	0,35	120	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	29
PCS3505	PCS4505	5	140	76	117	400 x 90	0,35	140	1,20	1,00	260 x 260	200 x 200	4 HA16/M14 - 300	42
PCS3506	PCS4506	6	140	76	117	400 x 90	0,35	140	1,20	1,00	260 x 260	200 x 200	4 HA16/M14 - 300	45
PCS3606	PCS4606	6	160	120	137	450 x 90	0,35	160	1,20	1,30	260 x 260	200 x 200	4 HA20/M18 - 400	62
PCS3617	PCS4607	7	160	120	137	450 x 90	0,35	160	1,20	1,30	400 x 400	300 x 300	4 HA20/M18 - 400	69
PCS3808	PCS4808	8	200	120	177	500 x 100	0,40	200	1,50	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	108
PCS3809	PCS4809	9	200	120	177	500 x 100	0,40	200	1,50	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	116
PCS3909	PCS4909	9	220	140	197	500 x 100	0,40	220	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	142
PCS3910	PCS4910	10	220	140	197	500 x 100	0,40	220	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	153
PCS3210	PCS4210	10	250	140	223	500 x 120	0,40	250	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	191



### MATERIALS SQUARED TAPERED SHAFT

Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.

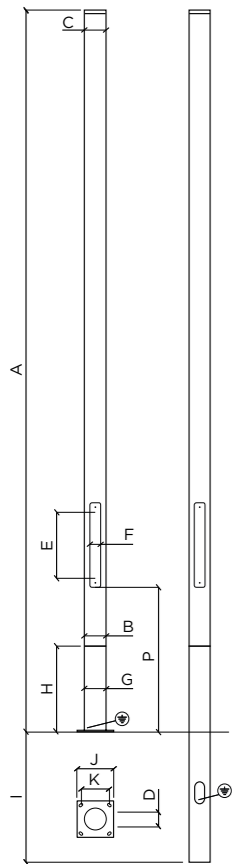




# SUMU - SUMU XL

ROUND COLUMNS

3 M ▶ 6 M



- A. Pole height
- B. Shaft diameter at base
- C. Shaft diameter on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base diameter
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## SUMU

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCO6430	PCO7430	3	140	140	84	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	24
PCO6435	PCO7435	3,5	140	140	84	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	27
PCO6440	PCO7440	4	140	140	84	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	30
PCO6450	PCO7450	5	140	140	84	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	35
PCO6750	PCO7750	5	168	168	103	460 x 70	0,90	168	0,50	0,85	260 x 260	200 x 200	4 HA16/M14 - 300	48
PCO6760	PCO7760	6	168	168	103	460 x 70	0,90	168	0,50	0,85	260 x 260	200 x 200	4 HA16/M14 - 300	56



### MATERIALS ROUND SHAFT

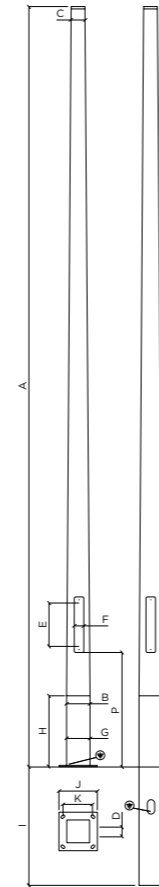
Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel, powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.

# DÔME - DÔME XL

ROUND TAPERED COLUMNS

3 M ▶ 10 M



- A. Pole height
- B. Shaft diameter at base
- C. Shaft diameter on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base diameter
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## DÔME

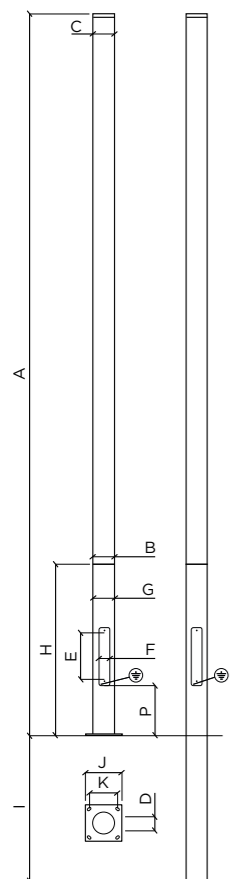
REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCD2430	PCD3430	3	140	76	62	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	17
PCD2435	PCD3435	3,5	140	76	62	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	18
PCD2352	PCD3352	3,5	168	120	83	460 x 70	0,90	168	0,50	0,85	260 x 260	200 x 200	4 HA16/M14 - 300	26
PCD2440	PCD3440	4	140	76	62	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	20
PCD2402	PCD3402	4	168	120	83	460 x 70	0,90	168	0,50	0,85	260 x 260	200 x 200	4 HA16/M14 - 300	29
PCD2450	PCD3450	5	140	76	62	460 x 60	0,90	140	0,45	0,75	260 x 260	200 x 200	4 HA16/M14 - 300	23
PCD2502	PCD3502	5	168	120	83	460 x 70	0,90	168	0,50	0,85	260 x 260	200 x 200	4 HA16/M14 - 300	34
PCD2602	PCD3602	6	168	120	83	460 x 70	0,90	168	0,50	0,85	260 x 260	200 x 200	4 HA16/M14 - 300	39
PCD2960	PCD3960	6	194	120	100	460 x 70	0,90	194	0,60	1,20	260 x 260	200 x 200	4 HA20/M18 - 400	50
PCD2260	PCD3260	6	220	140	117	460 x 90	1,00	220	0,60	1,40	400 x 400	300 x 300	4 HA20/M18 - 400	75
PCD2701	PCD3702	7	194	120	100	460 x 70	0,90	194	0,60	1,20	400 x 400	300 x 300	4 HA20/M18 - 400	56
PCD2270	PCD3270	7	220	140	117	460 x 90	1,00	220	0,60	1,40	400 x 400	300 x 300	4 HA20/M18 - 400	83
PCD2801	PCD3802	8	194	120	100	460 x 70	0,90	194	0,60	1,20	400 x 400	300 x 300	4 HA20/M18 - 400	62
PCD2280	PCD3280	8	220	140	117	460 x 90	1,00	220	0,60	1,40	400 x 400	300 x 300	4 HA20/M18 - 400	92
PCD2780	PCD3780	8	275	140	140	460 x 110	1,20	275	0,75	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	120
PCD2290	PCD3290	9	220	140	117	460 x 90	1,00	220	0,60	1,40	400 x 400	300 x 300	4 HA20/M18 - 400	100
PCD2790	PCD3790	9	275	140	140	460 x 110	1,20	275	0,75	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	131
PCD2710	PCD3710	10	275	140	140	460 x 110	1,20	275	0,75	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	141



### MATERIALS ROUND TAPERED SHAFT

Round tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.



- A. Pole height
- B. Shaft diameter at base
- C. Shaft diameter on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base diameter
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## SUMU XL

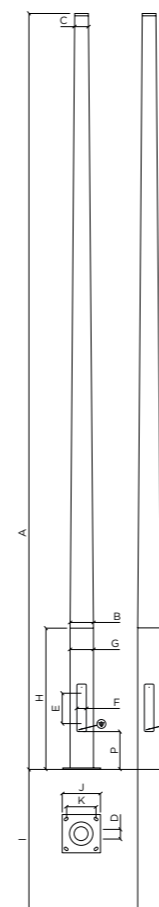
REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCO5130	PCO4130	3	115	115	61	300 x 90	0,35	115	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	23
PCO5140	PCO4140	4	115	115	61	300 x 90	0,35	115	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	28
PCO5440	PCO4440	4	140	140	93	350 x 90	0,35	140	1,10	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	37
PCO5150	PCO4150	5	115	115	61	300 x 90	0,35	115	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	32
PCO5450	PCO4450	5	140	140	93	350 x 90	0,35	140	1,10	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	43
PCO5460	PCO4460	6	140	140	93	350 x 90	0,35	140	1,10	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	50
PCO5660	PCO4660	6	168	168	125	450 x 90	0,35	168	1,20	1,30	260 x 260	200 x 200	4 HA16/M14 - 300	65



### MATERIALS ROUND SHAFT

Regular squared shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base and in galvanized steel, powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.



- A. Pole height
- B. Shaft diameter at base
- C. Shaft diameter on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base diameter
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

## DÔME XL

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCD0335	PCD1335	3	115	76	61	300 x 90	0,35	115	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	19
PCD0325	PCD1325	3,5	115	76	61	300 x 90	0,35	115	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	20
PCD0339	PCD1339	3,5	140	76	93	350 x 90	0,35	140	1,10	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	25
PCD0326	PCD1326	4	115	76	61	300 x 90	0,35	115	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	21
PCD0328	PCD1328	4	140	76	93	350 x 90	0,35	140	1,10	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	27
PCD0327	PCD1327	5	115	76	61	300 x 90	0,35	115	1,00	0,80	260 x 260	200 x 200	4 HA16/M14 - 300	24
PCD0329	PCD1329	5	140	76	93	350 x 90	0,35	140	1,10	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	30
PCD0305	PCD1305	5	168	120	125	450 x 90	0,35	168	1,20	1,30	260 x 260	200 x 200	4 HA16/M14 - 300	42
PCD0330	PCD1330	6	140	76	93	400 x 90	0,35	140	1,10	0,90	260 x 260	200 x 200	4 HA16/M14 - 300	33
PCD0306	PCD1306	6	168	120	125	450 x 90	0,35	168	1,20	1,30	260 x 260	200 x 200	4 HA16/M14 - 300	48
PCD0368	PCD1338	7	168	120	125	450 x 90	0,35	168	1,20	1,30	400 x 400	300 x 300	4 HA16/M14 - 300	54
PCD0357	PCD1307	7	194	120	148	450 x 100	0,35	194	1,20	1,40	400 x 400	300 x 300	4 HA20/M18 - 400	68
PCD0358	PCD1308	8	194	120	148	450 x 100	0,35	194	1,20	1,40	400 x 400	300 x 300	4 HA20/M18 - 400	75
PCD0315	PCD1315	8	220	140	175	500 x 100	0,35	220	1,35	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	112
PCD0309	PCD1309	9	194	120	148	450 x 100	0,35	194	1,20	1,40	260 x 260	200 x 200	4 HA20/M18 - 400	81
PCD0316	PCD1316	9	220	140	175	500 x 100	0,35	220	1,35	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	121
PCD0311	PCD1311	10	220	140	175	500 x 100	0,35	220	1,35	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	130
PCD0333	PCD1333	10	245	140	195	500 x 120	0,35	245	1,50	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	153



### MATERIALS ROUND TAPERED SHAFT

Round tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

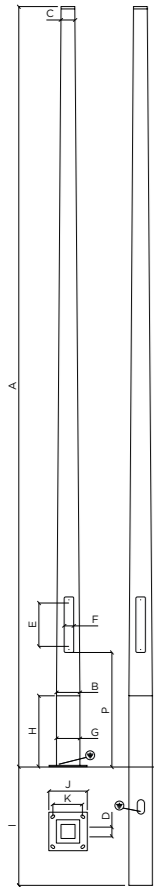
CE marked product: Conformity certificate CE 0679-CPD-0473.



# SILEA - SILEA XL

VERY HIGH SQUARED TAPERED COLUMNS

12 M ▶ 16 M



## SILEA

- A. Pole height
- B. Shaft section at base
- C. Shaft section on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base section
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCS1212	PCS2212	12	250	140	166	460 x 90	1,20	250	0,75	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	177
PCS1412	PCS2412	12	300	160	209	460 x 110	1,80	300	1,00	1,50	500 x 500	400 x 400	8 HA20/M18 - 400	252
PCS1614	PCS2614	14	350	160	249	460 x 110	1,80	350	1,20	1,80	550 x 550	450 x 450	8 HA25/M24 - 600	336
PCS1616	PCS2616	16	350	160	249	460 x 110	1,80	350	1,20	1,80	550 x 550	450 x 450	8 HA25/M24 - 600	370
PCS1816	PCS2816	16	400	160	292	460 x 110	1,80	400	1,20	1,80	600 x 600	500 x 500	8 HA25/M24 - 600	430



### MATERIALS SQUARED TAPERED SHAFT

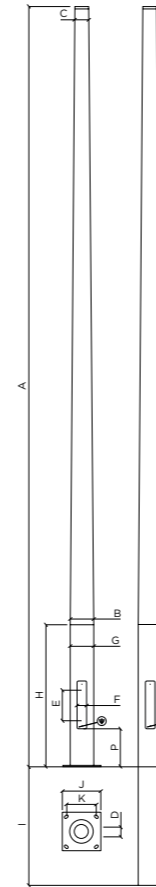
Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.

# DÔME XL - ATHENA XL

VERY HIGH ROUND TAPERED COLUMNS

12 M ▶ 14 M



## DÔME XL

- A. Pole height
- B. Shaft diameter at base
- C. Shaft diameter on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base diameter
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCD0346	PCD1346	12	245	140	195	500 x 120	0,35	245	1,50	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	180
PCD0347	PCD1347	12	275	140	226	500 x 120	0,35	275	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	195
PCD0349	PCD1349	14	275	140	226	500 x 120	0,35	275	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	220



### MATERIALS ROUND TAPERED SHAFT

Round tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.

## SILEA XL

- A. Pole height
- B. Shaft section at base
- C. Shaft section on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base section
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCS3212	PCS4212	12	250	140	223	500 x 120	0,40	250	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	215
PCS3412	PCS4412	12	300	160	273	450 x 120	0,35	300	1,50	2,00	500 x 500	400 x 400	8 HA25/M24 - 600	283
PCS3414	PCS4414	14	300	160	273	450 x 120	0,35	300	1,50	2,00	500 x 500	400 x 400	8 HA25/M24 - 600	315
PCS3616	PCS4616	16	350	160	323	450 x 120	0,35	350	1,50	2,00	550 x 550	450 x 450	8 HA25/M24 - 600	425



### MATERIALS SQUARED TAPERED SHAFT

Squared tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.

## ATHENA XL

- A. Pole height
- B. Shaft diameter at base
- C. Shaft diameter on top
- D. Door: useful depth
- E x F. Door: useful height x width
- P. Distance door bottom to plate
- G. Base diameter
- H. Base height
- I. Buried depth
- J. Base plate dimension
- K. Spacing dimensions
- L. Anchor rods

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PGR0222	PGR1222	12	245	140	195	500 x 120	0,35	245	1,50	1,50	400 x 400	300 x 300	4 HA20/M18 - 400	366
PGR0322	PGR1322	12	275	140	226	500 x 120	0,35	275	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	416
PGR0324	PGR1324	14	275	140	226	500 x 120	0,35	275	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	460



### MATERIALS TWIN ROUND TAPERED SHAFT

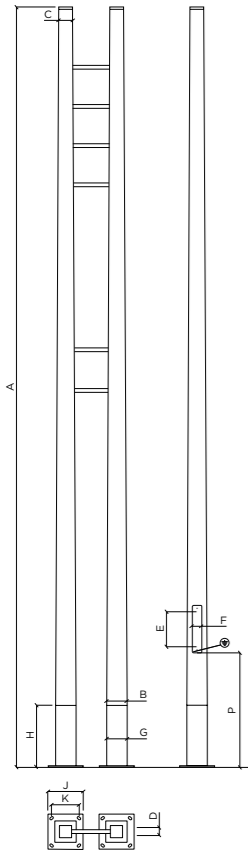
Twin round tapered shafts connected by metal bracers. Shafts in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Round flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to Building Eurocodes and European technical frame of reference CUAP 01/06/2007 « Wood and metal composite lighting columns ».



# HELIACA - HELIACA XL

## VERY HIGH SQUARED TAPERED COLUMNS

### 12 M ▶ 16 M



### HELIACA

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PGS1412	PGS2412	12	300	160	209	460 x 110	1,80	300	1,00	1,50	500 x 500	400 x 400	8 HA20/M18 - 400	530
PGS1614	PGS2614	14	350	160	249	460 x 110	1,80	350	1,20	1,80	550 x 550	450 x 450	8 HA25/M24 - 600	706
PGS1616	PGS2616	16	350	160	249	460 x 110	1,80	350	1,20	1,80	550 x 550	450 x 450	8 HA25/M24 - 600	777
PGS1816	PGS2816	16	400	160	292	460 x 110	1,80	400	1,20	1,80	600 x 600	500 x 500	8 HA25/M24 - 600	903



#### MATERIALS TWIN SQUARED TAPERED SHAFT

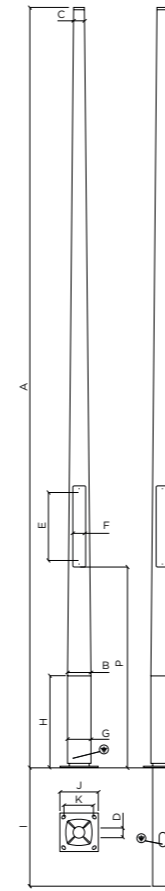
Twin squared tapered shafts connected by metal bracers. Shafts in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.

# OHASHI - CATELAM

## SPECIFIC COLUMNS

### 3,50 M ▶ 8 M



### OHASHI

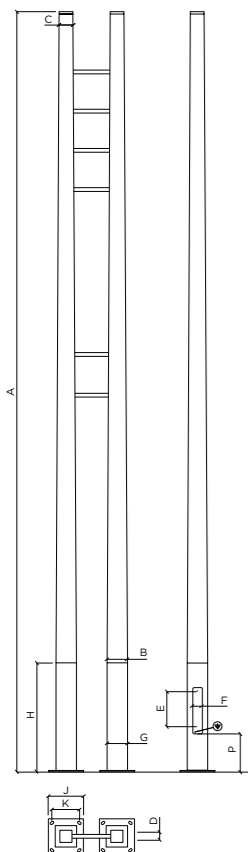
REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCH1653	PCH2653	3,5	160	76	80	400 x 70	0,9	160	0,20	0,9	260 x 260	200 x 200	4 HA16/M14 - 300	50
PCH1604	PCH2604	4	160	76	80	400 x 70	0,9	160	0,20	0,9	260 x 260	200 x 200	4 HA16/M14 - 300	52
PCH1605	PCH2605	5	160	76	80	400 x 70	0,9	160	0,20	0,9	260 x 260	200 x 200	4 HA16/M14 - 300	56
PCH1206	PCH2206	6	250	114	150	400 x 90	1,25	250	0,20	1,5	400 x 400	300 x 300	4 HA20/M18 - 400	140
PCH1207	PCH2207	7	250	114	150	400 x 90	1,25	250	0,20	1,5	400 x 400	300 x 300	4 HA20/M18 - 400	147
PCH1208	PCH2208	8	250	114	150	400 x 90	1,25	250	0,20	1,5	400 x 400	300 x 300	4 HA20/M18 - 400	156



#### MATERIALS FROM SQUARED BASE TO ROUND TOP

Variable section shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared base in galvanized steel and powder coated polyester finish. Extruded aluminium base powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish.

Design and manufacture according to Building Eurocodes and European technical frame of reference CUAP 01/06/2007 « Wood and metal composite lighting columns ».



### HELIACA XL

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PGS3212	PGS4212	12	250	140	223	500 x 120	0,40	250	1,50	1,50	400 x 400	300 x 300	4 HA25/M24 - 600	215
PGS3412	PGS4412	12	300	160	273	450 x 120	0,35	300	1,50	2,00	500 x 500	400 x 400	8 HA25/M24 - 600	595
PGS3414	PGS4414	14	300	160	273	450 x 120	0,35	300	1,50	2,00	500 x 500	400 x 400	8 HA25/M24 - 600	662
PGS3616	PGS4616	16	350	160	323	450 x 120	0,35	350	1,50	2,00	550 x 550	450 x 450	8 HA25/M24 - 600	893



#### MATERIALS TWIN SQUARED TAPERED SHAFT

Twin squared tapered shafts connected by metal bracers. Shafts in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Squared flush base in galvanized steel and powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish. Design and manufacture according to rules defined by CUAP 01/06/2007 and specifications from European Technical Approval ETA-10/0089: 2010.

CE marked product: Conformity certificate CE 0679-CPD-0473.



### CATELAM

REF.	REF.	A	B	C	D	E x F	P	G	H	I	J	K	L	
FLANGE PLATE	BURIED ROOT	m	mm	mm	mm	mm	m	mm	m	m	mm	mm	mm	kg
PCC0123	PCC1123	5	178	140	140	400 x 80	0,37	178	1,55	0,90	300 x 300	200 x 200	4 HA25/M24 - 600	45
PCC0114	PCC1114	8	224	168	180	400 x 80	0,37	224	1,55	1,30	400 x 400	300 x 300	4 HA25/M24 - 600	101



#### MATERIALS ROUND TAPERED SHAFT

Round tapered shaft in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Ribbed round flush base in extruded aluminium finished, powder coated polyester finish. Overlying top in pressed galvanized steel, powder coated polyester finish.

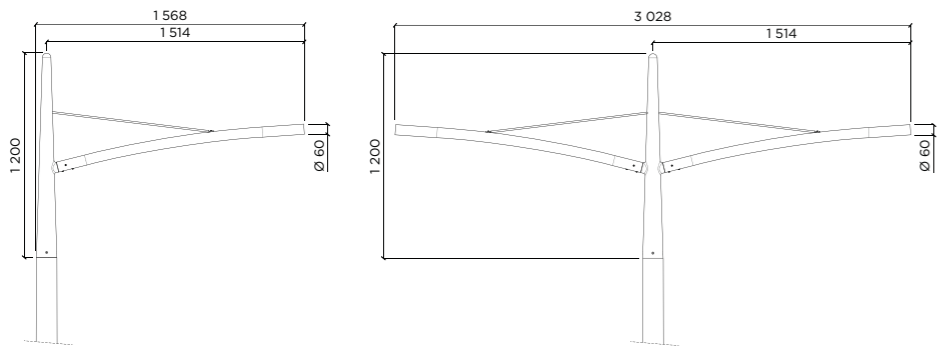
Design and manufacture according to Building Eurocodes and European technical frame of reference CUAP 01/06/2007 « Wood and metal composite lighting columns ».



# BRACKETS



BUSSY	Reference	Extension	Height	Inclination	Scx	Weight
SINGLE Ø 120 MM	POS0152	1 514 mm	1 200 mm	5°	0,20	9,3 kg
DOUBLE Ø 120 MM	POD0153	2 x 1 514 mm	1 200 mm	5°	0,30	13,5 kg



### MATERIALS

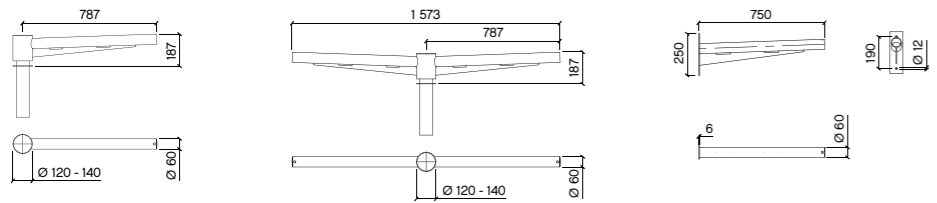
Extension spike in cast aluminium. Bracket and outreach arm in aluminium tube. Polyester powder coated.  
Cabling: cable puller installed at our factory.



### FIXATION

The extension spike is assembled with the bracket in our factory. The fixation of bracket and outreach arm is realized on site:  
- the bracket is assembled to the extension spike with 4 round head M6 screws.  
- the outreach arm is assembled to the bracket with 1 round head M6 screw, the extension spike fixation is done by direct insertion.

API	Reference	Extension	Height	Inclination	Scx	Weight
SINGLE Ø 120 MM	POS0179	787 mm	187 mm	2°	0,11	8,2 kg
DOUBLE Ø 120 MM	POD0201	2 x 787 mm	187 mm	2°	0,19	11,9 kg
WALL-MOUNTED	POM0123	750 mm	250 mm	2°	0,12	4,8 kg



### MATERIALS

Bracket in galvanized welded steel. Polyester powder coated.

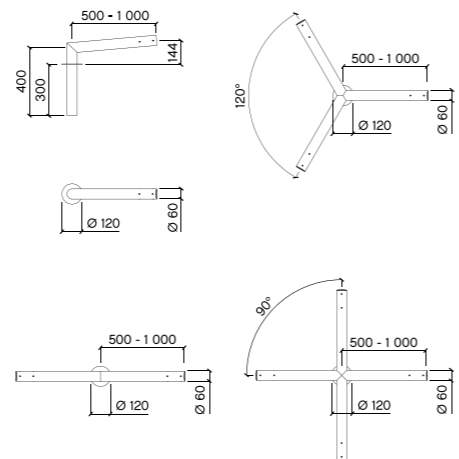


SOLIS	Reference	Extension	Height	Inclination	Scx	Weight
0,5 M - 1 LIGHT	ALTO478	500 mm	144 mm	5°	0,03	4,3 kg
0,5 M - 2 LIGHTS	ALTO479	500 mm	144 mm	5°	0,06	6,4 kg
0,5 M - 3 LIGHTS	ALTO480	500 mm	144 mm	5°	0,09	8,5 kg
0,5 M - 4 LIGHTS	ALTO481	500 mm	144 mm	5°	0,12	10,6 kg
1 M - 1 LIGHT	ALTO482	1 000 mm	144 mm	5°	0,06	9,1 kg
1 M - 2 LIGHTS	ALTO483	1 000 mm	144 mm	5°	0,12	15,9 kg
1 M - 3 LIGHTS	ALTO484	1 000 mm	144 mm	5°	0,18	22,8 kg
1 M - 4 LIGHTS	ALTO485	1 000 mm	144 mm	5°	0,24	29,6 kg



### MATERIALS

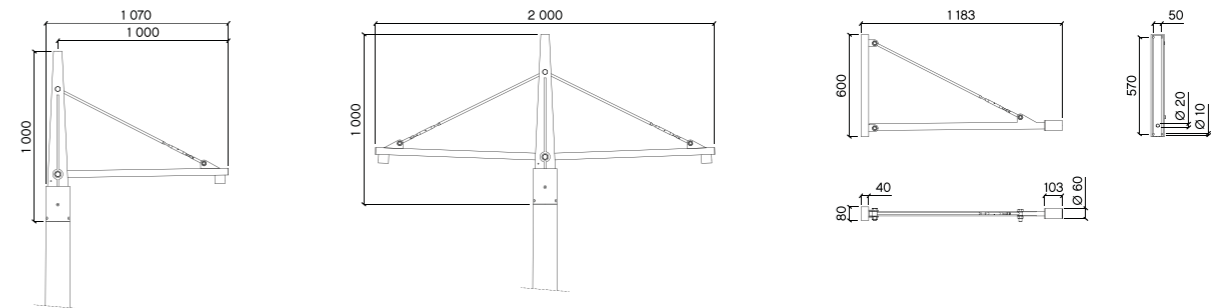
Bracket in galvanized welded steel. Polyester powder coated.



# BRACKETS



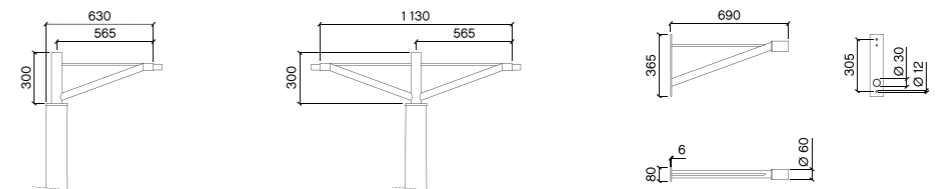
CATELAM	Reference	Extension	Height	Inclination	Scx	Weight
SINGLE Ø 140 MM	POS0120	1 000 mm	1 000 mm	0,5°	0,27	11,2 kg
SINGLE Ø 168 MM	POS0126	1 000 mm	1 000 mm	0,5°	0,32	12,8 kg
DOUBLE Ø 140 MM	POD0120	2 x 1 000 mm	1 000 mm	0,5°	0,40	15,2 kg
DOUBLE Ø 168 MM	POD0126	2 x 1 000 mm	1 000 mm	0,5°	0,48	16,8 kg
WALL-MOUNTED	POM0110	1 183 mm	600 mm	0,5°	0,01	9,4 kg



### MATERIALS

Extension spike in cast aluminium, polyester powder coated. Bracket in galvanized welded steel, polyester powder coated. Outreach arm in welded steel, adjustable with inox turnbuckle, polyester powder coated.

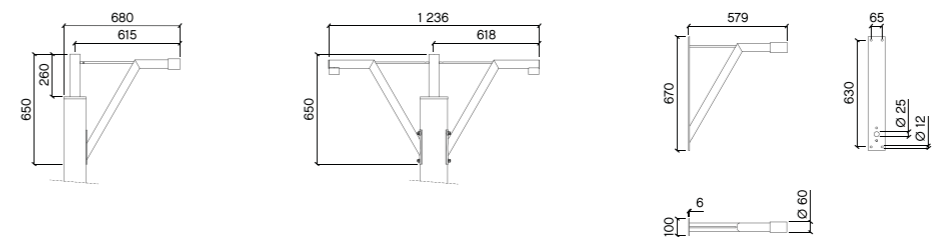
PORTO	Reference	Extension	Height	Inclination	Scx	Weight
SINGLE	POS0115	565 mm	300 mm	-	0,05	4,8 kg
DOUBLE	POD0115	2 x 565 mm	300 mm	-	0,08	6,4 kg
WALL-MOUNTED	POM0124	690 mm	365 mm	-	0,145	3,35 kg



### MATERIALS

Bracket in galvanized welded steel. Polyester powder coated.  
Cabling: cable puller installed at our factory.

ISIS	Reference	Extension	Height	Inclination	Scx	Weight
SINGLE	POS0116	615 mm	650 mm	-	0,06	6,7 kg
DOUBLE	POD0116	2 x 615 mm	650 mm	-	0,10	11 kg
WALL-MOUNTED	POM0125	579 mm	670 mm	-	0,0725	5 kg



### MATERIALS

Bracket in galvanized welded steel. Polyester powder coated.  
Cabling: cable puller installed at our factory.



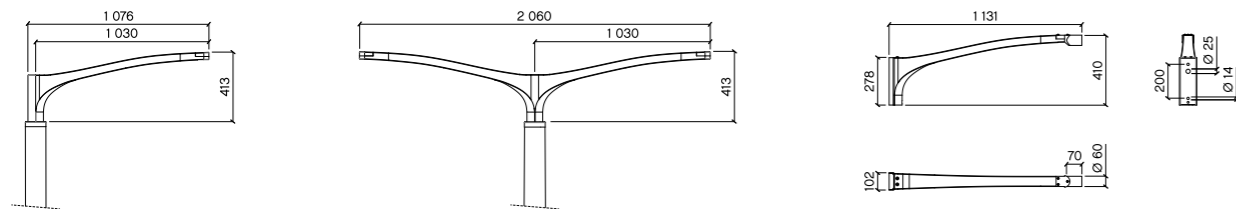
# BRACKETS



	Reference	Extension	Height	Inclination	Scx	Weight
<b>ELEA</b>						
<b>SINGLE</b>	POS0109	1 030 mm	413 mm	-	0,16	7,6 kg
<b>DOUBLE</b>	POD0108	2 x 1 030 mm	413 mm	-	0,26	12,5 kg
<b>WALL-MOUNTED</b>	POM0107	1 131 mm	410 mm	-	0,12	8,7 kg



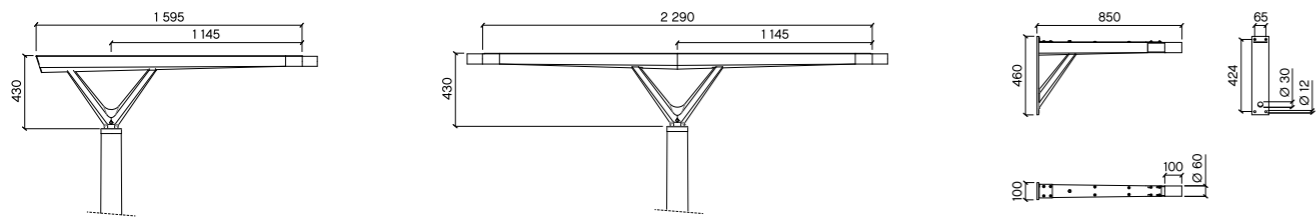
**MATERIALS**  
Bracket in cast aluminium, polyester powder coated.  
Cabling: cable puller installed at our factory.



	Reference	Extension	Height	Inclination	Scx	Weight
<b>VEGA</b>						
<b>SINGLE</b>	POS0106	1 145 mm	430 mm	-	0,32	12,6 kg
<b>DOUBLE</b>	POD0106	2 x 1 145 mm	430 mm	-	0,40	16 kg
<b>WALL-MOUNTED</b>	POM0106	850 mm	460 mm	-	0,12	6,2 kg



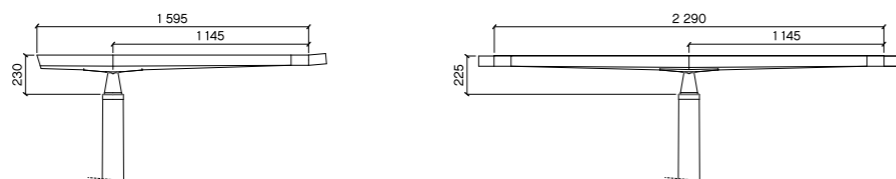
**MATERIALS**  
Bracket in cast aluminium, polyester powder coated. Outreach arm in glue laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Spigot in galvanized steel finished in powder coated polyester.  
Cabling: cable puller installed at our factory.



	Reference	Extension	Height	Inclination	Scx	Weight
<b>OMEGA</b>						
<b>SINGLE</b>	POS0108	1 145 mm	230 mm	-	0,26	9 kg
<b>DOUBLE</b>	POD0107	2 x 1 145 mm	225 mm	-	0,35	12 kg
<b>WALL-MOUNTED</b>	POM0108	Contact us	235 mm	-	0,12	5,2 kg



**MATERIALS**  
Bracket in cast aluminium, polyester powder coated. Outreach arm in glue laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain. Spigot in galvanized steel finished in powder coated polyester.  
Cabling: cable puller installed at our factory.



# BRACKETS



	Reference	Extension	Height	Inclination	Scx	Weight
<b>RÂ</b>						
<b>SINGLE</b>	POS0131	484 mm	900 mm	-	0,19	7,6 kg
<b>DOUBLE</b>	POD0130	2 x 484 mm	900 mm	-	0,38	15,2 kg
<b>ADAPTATOR</b>	PPD0221	107 mm	Ø 86 mm	-	0,19	7,6 kg

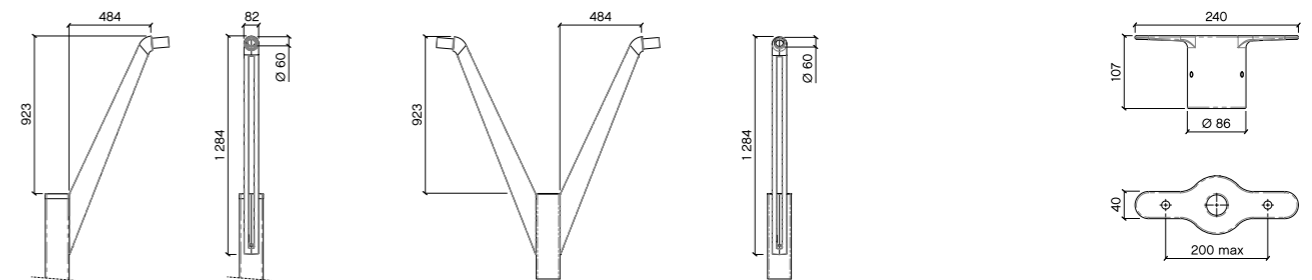


**MATERIALS**  
Bracket and adaptor in cast aluminium, polyester powder coated.



**FIXATION**  
The adaptor is supplied undrilled and is therefore suitable for most commercially available cradles.

	Reference
<b>Adaptation piece for round column Ø 140 mm</b>	AMP0653
<b>Adaptation piece for round column Ø 168 mm</b>	AMP0654

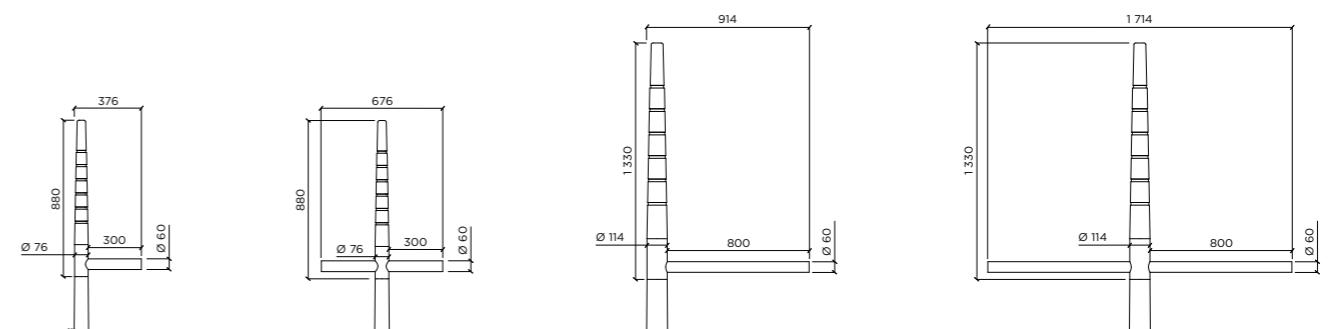


The Râ bracket is only available with a spigot for lateral fixation Ø 60 mm, length 100 mm.

	Reference	Extension	Height	Inclination	Scx	Weight
<b>OHASHI</b>						
<b>SINGLE Ø 76 MM</b>	POS0181	300 mm	880 mm	3°	0,10	4,5 kg
<b>DOUBLE Ø 76 MM</b>	POD0143	2 x 300 mm	880 mm	3°	0,13	5,7 kg
<b>SINGLE Ø 114 MM</b>	POS0182	800 mm	1 330 mm	3°	0,25	11,5 kg
<b>DOUBLE Ø 114 MM</b>	POD0142	2 x 800 mm	1 330 mm	3°	0,32	14,8 kg



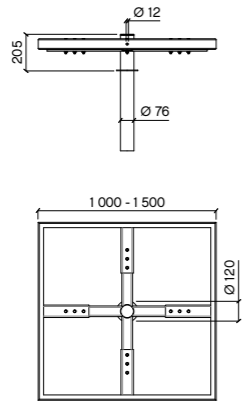
**MATERIALS**  
Bracket in galvanized welded steel. Polyester powder coated. Extension spike in glued laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain.  
Cabling: cable puller installed at our factory.



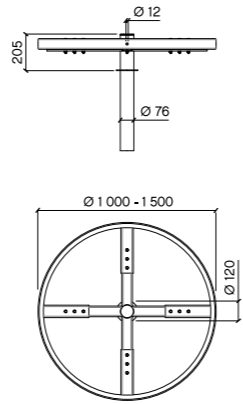
# CROWNS - ACCESSORIES



<b>ORTO</b>	<b>CROWN 1 M</b>
Reference	POC0102
Height	205 mm
Scx	0,26
Weight	40,9 kg
<b>CROWN 1,50 M</b>	
Reference	POC0103
Height	205 mm
Scx	0,40
Weight	55 kg



<b>MODUS</b>	<b>CROWN 1 M</b>
Reference	POC0100
Height	205 mm
Scx	0,22
Weight	37 kg
<b>CROWN 1,50 M</b>	
Reference	POC0101
Height	205 mm
Scx	0,30
Weight	49 kg



**MATERIALS**  
Crown in galvanized welded steel, polyester powder coated.  
Cabling: cable puller installed at our factory.

**MATERIALS**  
Crown in galvanized welded steel, polyester powder coated.  
Cabling: cable puller installed at our factory.

*Crowns delivered not assembled, an instruction note is enclosed.*

<b>CATELAM</b>	Reference	Height	Scx	Weight
SPIKE EXTENSION Ø 140 MM	PPD0148	1 000 mm	0,133	6,7 kg
SPIKE EXTENSION Ø 168 MM	PPD0149	1 000 mm	0,152	8,2 kg
<b>MATERIALS</b> Spike extension in cast aluminium, polyester powder coated.				
<b>SPIKE EXTENSION</b>	Reference	Height	Scx	Weight
SPIKE EXTENSION Ø 100 MM	PPD0123	1 100 mm	0,100	3,4 kg
SPIKE EXTENSION Ø 120 MM	PPD0248	1 200 mm	0,142	4,8 kg
SPIKE EXTENSION Ø 140 MM	PPD0252	1 535 mm	0,204	6,9 kg

<b>OHASHI</b>	Reference	Height	Scx	Weight
SPIKE EXTENSION Ø 76 MM	SZB0398	800 mm	0,141	1 kg
SPIKE EXTENSION Ø 114 MM	SZB0399	1 200 mm	0,158	3,5 kg
<b>MATERIALS</b> Spike extension in glue laminated timber certified ACERBOIS GLULAM, produced with sawn planks from sustainably managed forests and respecting HTE process. Timber finished with three coats of woodstain.				
<b>MATERIALS</b> Spike extension round tapered in cast aluminium, polyester powder coated.				

## SPIGOT

**SPIGOT FOR AUBRILAM BRACKET**  
Our standard brackets are with a lateral spigot diameter 60 mm, length 100 mm. The G-thread spigot are available only with an extra cost, and only for top fixation or suspended.

**LATERAL SPIGOT**  
Our standard lateral spigot is CENO.

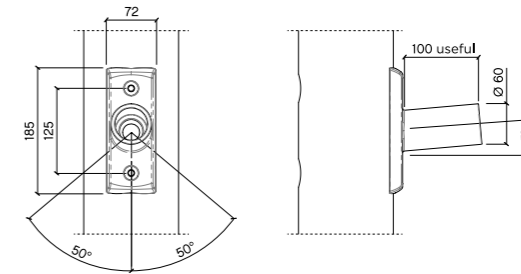
<b>SPECIFIC SPIGOTS</b>	Reference
Threaded tube Ø 27 mm - G-thread - L 50 mm on top	PPD0101
Threaded tube Ø 27 mm - G-thread - L 50 mm on bracket	PPD0102
Spigot for lateral fixing Ø 60 mm - L60 to 100 mm with an angle	PPD0103
Top spigot Ø 76 mm	PPD0105
Top spigot Ø 60 mm - L 110 to 300 mm for square column	PPD0126
Top spigot Ø 60 mm - L 110 to 300 mm for cylindrical column	PPD0127
Top spigot Ø 90 mm - L 60 to 100 mm	PPD0121

<b>CENO</b>	Reference	Inclination	Weight
LATERAL SPIGOT	SRE0149	5°	0,9 kg

Minimum 2 units.  
Only for diameter above 76 mm.

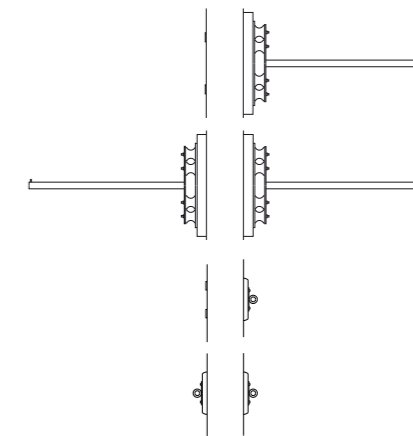
**MATERIALS**  
Spigot in cast aluminium, polyester powder coated.

**STANDARD COLOUR IDENTITY**  
Grey 900 sanded.



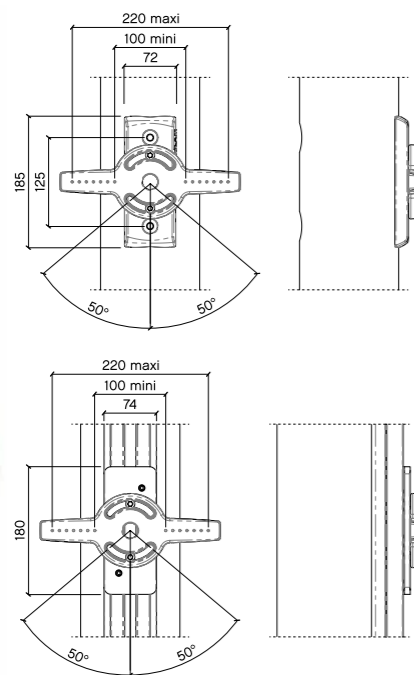
## FITTINGS FOR KAKEMONOS

	Reference
KAKEMONO ARM - Ø 30 MM SINGLE - L 600 MM	SRE0163
KAKEMONO ARM - Ø 30 MM DOUBLE - L 600 MM	SRE0164
KAKEMONO ARM - Ø 30 MM SINGLE - L 900 MM	SRE0161
KAKEMONO ARM - Ø 30 MM DOUBLE - L 900 MM	SRE0162
KAKEMONO SINGLE FITTING POINT	SRE0165
KAKEMONO DOUBLE FITTING POINT	SRE0166



**FIXATION**  
Fittings delivered not assembled, an instruction note is enclosed. Sandows and kakemonos not supplied. Paulstra seals must be changed each 2 years. A first substitution kit is supplied.

**NOTE**  
For winds up to 100 km/h, the kakemonos fittings must be disassembled.



<b>CENO</b>	Reference	Weight
INDEPENDANT FIXED ROTATING CRADLE	SRE0137	1 kg
ROTATING CRADLE FOR TRACK	SRE0138	0,8 kg
1 m TRACK FOR SQUARE COLUMN	AMP0328	-
ADDITIONAL METER FOR SQUARE COLUMN	AMP0321	-
1 m TRACK FOR CYLINDRICAL COLUMN	AMP0325	-
ADDITIONAL METER FOR CYLINDRICAL COLUMN	AMP0318	-

**MATERIALS**  
**Fixed spotlight cradle:** Consisting of a spotlight cradle and fixing plate in cast aluminium. The cradle is fixed and swivels on the fixing plate. Powder coated polyester finish.  
**Spotlight cradle:** Consisting of spotlight cradle in cast aluminium and a fixing plate in extruded aluminium. The cradle is mounted and swivels on the fixing plate which can be slid up and down the Ceno Track. Powder coated polyester finish.  
**Track:** Extruded aluminium profile to fit cylindrical or square section column with end caps to each extremity. Powder coated polyester finish. Assembled in the factory with through bolts.

<b>ACCESS DOOR WITH EXTERNAL HINGE</b>	Reference
WOOD ACCESS DOOR WITH EXTERNAL HINGE	PPD0178
METAL ACCESS DOOR WITH EXTERNAL HINGE*	PPD0179

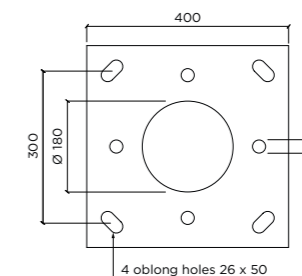
Minimum 2 units - Technical sheet on request.  
\* For diameter 114 mm. contact us for other diameters.



<b>REPLACEMENT PART</b>	Reference
WOOD ACCESS DOOR (contact us)	PPD0180

<b>BASE SECTION ADAPTATOR PLATE</b>	Reference
BASE SECTION ADAPTATOR PLATE M18	PPD0239
BASE SECTION ADAPTATOR PLATE M24	PPD0240

Minimum 2 units - Only for column without brackets.







**OPERATIONAL & FUNCTIONAL EXCELLENCE**

**PRODUCTS**

UTYL IM lighting points	> Pages 94 to 96
MOSHI lighting bollard	> Page 98
UTYL furniture	> Pages 104 to 112
UTYL shelter	> Page 115
UTYL shade shelter	> Page 114
SOLEA furniture	> Pages 116 to 120
MOSHI and MOSHI XL columns	> Page 124
SILEA and SILEA XL columns	> Page 125
SUMU and SUMU XL columns	> Page 126
DÔME and DÔME XL columns	> Page 127

**SERVICES**



**ADVICE & SUPPORT**

In the choice of products  
 In the layout  
 For all tender documents and technical specifications  
 From the beginning right through to the installation



**GRAPHIC DESIGN STUDIO**

Computer-generated images



**STUDIES & FEASIBILITY**

Studies and layout plans  
 Lighting studies  
 Dimensioning and checking operations



**SUSTAINABLE DEVELOPMENT**

Environmental data files for products  
 Environmental impact assessment



**OPTIONAL SERVICES**

Installation of the furniture  
 Maintenance of the wood



**EXCLUSIVITY & INNOVATION**

**PRODUCTS:**

**ALL OF THE PURE PRODUCTS LINE +**

UTYL LED lighting points	> Pages 87 to 93
UTYL LED lighting columns	> Page 97
LADY LED lighting bollards	> Page 99
NATTY bollards and lighting columns	> Page 100 to 103
BAMBOO charging point for electric vehicles	> Page 123
AREA shade shelter	> Page 122
RENDEZ-VOUS benches	> Page 121
SILEA and SILEA XL very high columns	> Page 128
DÔME XL and ATHENA XL very high columns	> Page 129
HELIACA and HELIACA XL very high columns	> Page 130
OHASHI and CATELAM specific columns	> Page 131
Columns with brackets, crowns and specific accessories	> Pages 136 to 137

**SERVICES:**

**ALL OF THE PURE SERVICES +**



**GRAPHIC DESIGN STUDIO**

Realistic simulations pictures  
 Colour chart study and object customisation (marking, labelling)  
 Graphic concept file for the site or brand



**STUDIES & FEASIBILITY**

Product design and adaptation  
 Specific structural calculations  
 As-built and assembling drawings



**OPTIONAL SERVICES**

Installation of the furniture  
 Maintenance of the wood

# PERMISSIBLE AREAS

## FOR LIGHTING COLUMNS

FRANCE												EUROPE								
22 m/s			24 m/s			26 m/s			28 m/s			24 m/s			27 m/s			30 m/s		
Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0

**MOSHI**

Height m	Section mm	1.92	1.75	1.21	1.58	1.44	0.98	1.31	1.20	0.80	1.10	1.00	0.67	2.03	1.62	1.06	1.55	1.26	0.80	1.23	0.97	0.58
3	120	1.92	1.75	1.21	1.58	1.44	0.98	1.31	1.20	0.80	1.10	1.00	0.67	2.03	1.62	1.06	1.55	1.26	0.80	1.23	0.97	0.58
3.5	120	1.45	1.20	0.82	1.17	0.97	0.65	0.96	0.79	0.52	0.79	0.65	0.41	1.50	1.08	0.70	1.15	0.82	0.51	0.88	0.61	0.36
4	120	1.12	0.89	0.58	0.89	0.70	0.44	0.71	0.55	0.33	0.57	0.43	0.24	1.15	0.78	0.47	0.85	0.56	0.32	0.63	0.40	0.20
4	140	1.93	1.55	1.06	1.56	1.25	0.83	1.27	1.01	0.66	1.05	0.82	0.52	1.99	1.39	0.89	1.50	1.03	0.63	1.15	0.76	0.45
5	120	0.66	0.43	0.23	0.49	0.31	0.13	0.36	0.20	0.06	0.25	0.12	-	0.67	0.35	0.15	0.45	0.21	-	0.29	0.09	-
5	140	1.25	0.86	0.54	0.97	0.65	0.38	0.75	0.48	0.25	0.57	0.35	0.15	1.26	0.73	0.41	0.90	0.48	0.23	0.63	0.31	0.10
5	160	2.26	1.61	1.09	1.80	1.27	0.83	1.45	1.00	0.63	1.17	0.79	0.46	2.33	1.43	0.91	1.76	1.04	0.62	1.30	0.74	0.40
6	140	0.73	0.44	0.20	0.51	0.28	0.08	0.35	0.15	-	0.22	0.05	-	0.72	0.33	0.10	0.45	0.15	-	0.26	-	-
6	160	1.46	0.97	0.59	1.11	0.71	0.39	0.84	0.51	0.23	0.63	0.35	0.10	1.48	0.82	0.44	1.05	0.53	0.22	0.71	0.30	-

**MOSHI XL**

Height m	Section mm	2.57	2.16	1.51	2.10	1.76	1.21	1.75	1.46	0.99	1.45	1.20	0.81	2.42	1.76	1.15	1.83	1.32	0.84	1.41	1.00	0.61
3.5	120	2.57	2.16	1.51	2.10	1.76	1.21	1.75	1.46	0.99	1.45	1.20	0.81	2.42	1.76	1.15	1.83	1.32	0.84	1.41	1.00	0.61
4	120	2.08	1.68	1.16	1.68	1.35	0.92	1.39	1.11	0.73	1.14	0.90	0.57	1.95	1.35	0.87	1.47	1.00	0.60	1.10	0.73	0.41
5	120	1.35	0.95	0.62	1.06	0.74	0.44	0.84	0.56	0.31	0.65	0.42	0.20	1.26	0.74	0.41	0.90	0.49	0.22	0.62	0.30	0.09
5	140	2.42	1.75	1.22	1.96	1.40	0.95	1.60	1.14	0.74	1.31	0.90	0.56	2.28	1.40	0.91	1.74	1.03	0.60	1.26	0.72	0.37
6	140	1.54	1.05	0.66	1.20	0.79	0.45	0.92	0.57	0.28	0.69	0.40	0.15	1.42	0.79	0.41	0.98	0.48	0.18	0.65	0.26	-
6	160	2.70	1.90	1.31	2.15	1.50	0.98	1.73	1.17	0.72	1.38	0.89	0.51	2.50	1.50	0.92	1.83	1.03	0.56	1.31	0.68	0.29

**SILEA**

Height m	Section mm	1.49	1.36	0.95	1.23	1.12	0.77	1.02	0.94	0.63	0.86	0.79	0.52	1.37	1.10	0.72	1.08	0.86	0.56	0.84	0.66	0.41
3	120/76	1.49	1.36	0.95	1.23	1.12	0.77	1.02	0.94	0.63	0.86	0.79	0.52	1.37	1.10	0.72	1.08	0.86	0.56	0.84	0.66	0.41
3.5	120/76	1.20	1.00	0.69	0.97	0.81	0.55	0.80	0.66	0.44	0.66	0.54	0.35	1.10	0.79	0.51	0.83	0.58	0.38	0.64	0.45	0.26
4	120/76	0.97	0.78	0.52	0.78	0.62	0.40	0.62	0.48	0.30	0.51	0.39	0.23	0.90	0.62	0.38	0.67	0.45	0.25	0.49	0.32	0.16
4	140/76	1.59	1.29	0.90	1.30	1.05	0.73	1.07	0.86	0.59	0.90	0.72	0.48	1.49	1.05	0.69	1.13	0.79	0.49	0.88	0.60	0.37
5	120/76	0.64	0.44	0.26	0.49	0.32	0.17	0.37	0.23	0.11	0.27	0.16	-	0.59	0.32	0.16	0.40	0.20	-	0.26	0.11	-
5	140/76	1.16	0.83	0.57	0.93	0.66	0.44	0.75	0.52	0.33	0.61	0.41	0.24	1.08	0.66	0.41	0.79	0.46	0.25	0.59	0.33	0.14
5	160/120	2.14	1.54	1.07	1.72	1.23	0.82	1.40	0.98	0.64	1.13	0.78	0.49	2.06	1.27	0.81	1.53	0.91	0.54	1.15	0.66	0.36
6	140/76	0.79	0.54	0.33	0.61	0.40	0.21	0.47	0.29	0.12	0.34	0.18	-	0.72	0.40	0.18	0.49	0.23	-	0.32	0.10	-
6	160/120	1.45	1.00	0.64	1.12	0.75	0.45	0.87	0.56	0.30	0.67	0.41	0.18	1.37	0.78	0.44	0.97	0.51	0.22	0.68	0.31	-
7	160/120	0.73	0.43	0.18	0.50	0.25	-	0.33	0.12	-	0.19	-	-	0.67	0.27	-	0.39	-	-	0.17	-	-
7	200/120	1.91	1.33	0.89	1.50	1.01	0.63	1.17	0.76	0.43	0.91	0.56	0.28	1.74	1.00	0.59	1.24	0.66	0.31	0.87	0.41	0.09
8	200/120	1.36	0.90	0.52	1.02	0.62	0.31	0.75	0.41	0.13	0.54	0.25	-	1.22	0.63	0.26	0.80	0.33	-	0.50	0.09	-
8	220/140	2.14	1.47	0.96	1.65	1.09	0.65	1.27	0.79	0.41	0.97	0.56	0.21	1.93	1.10	0.61	1.34	0.68	0.25	0.92	0.36	-
9	220/140	1.57	1.01	0.57	1.15	0.68	0.30	0.82	0.42	0.08	0.56	0.21	-	1.39	0.68	0.24	0.88	0.31	-	0.51	-	-
9	250/140	2.69	1.88	1.25	2.08	1.40	0.86	1.61	1.02	0.56	1.23	0.73	0.33	2.42	1.41	0.82	1.69	0.89	0.39	1.16	0.51	0.40
10	220/140	1.10	0.62	0.24	0.74	0.33	-	0.45	0.10	-	0.23	-	-	0.94	0.33	-	0.43	-	-	0.18	-	-
10	250/140	2.06	1.37	0.82	1.53	0.94	0.48	1.12	0.62	0.22	0.79	1.28	-	1.83	0.95	0.42	1.19	0.49	-	0.73	0.12	-

**SILEA XL**

Height m	Section mm	2.02	1.65	1.15	1.65	1.34	0.93	1.36	1.10	0.75	1.13	0.91	0.60	1.89	1.34	0.87	1.45	1.01	0.64	1.10	0.75	0.45
4	120/76	2.02	1.65	1.15	1.65	1.34	0.93	1.36	1.10	0.75	1.13	0.91	0.60	1.89	1.34	0.87	1.45	1.01	0.64	1.10	0.75	0.45
5	120/76	1.45	1.04	0.71	1.15	0.82	0.54	0.93	0.65	0.41	0.74	0.52	0.31	1.34	0.82	0.51	0.99	0.59	0.33	0.72	0.40	0.20
5	140/76	2.67	1.96	1.40	2.17	1.59	1.12	1.79	1.30	0.90	1.48	1.07	0.72	2.49	1.59	1.06	1.90	1.18	0.76	1.44	0.88	0.53
6	140/76	1.85	1.34	0.94	1.49	1.06	0.72	1.20	0.84	0.54	0.97	0.66	0.41	1.71	1.06	0.67	1.28	0.75	0.44	0.93	0.52	0.26
6	160/120	2.85	2.06	1.45	2.28	1.62	1.11	1.85	1.29	0.84	1.49	1.02	0.63	2.63	1.62	1.03	1.96	1.16	0.69	1.43	0.80	0.42
7	160/120	1.58	1.08	0.67	1.20	0.79	0.44	0.91	0.56	0.26	0.67	0.38	0.12	1.42	0.79	0.39	0.98	0.47	0.15	0.63	0.23	-
8	200/120	2.84	2.03	1.39	2.21	1.53	0.99	1.73	1.17	0.70	1.36	0.87	0.46	2.54	1.53	0.92	1.82	1.02	0.53	1.27	0.63	0.23
9	200/120	2.09	1.43	0.89	1.55	1.00	0.56	1.16	0.70	0.31	0.85	0.45	0.11	1.82	1.00	0.50	1.22	0.58	-	0.77	0.25	-
9	220/140	3.13	2.22	1.48	2.39	1.63	1.02	1.85	1.21	0.68	1.42	0.87	0.41	2.76	1.63	0.94	1.93	1.04	0.17	1.32	0.59	0.14
10	220/140	2.26	1.51	0.91	1.65	1.03	0.53	1.20	0.67	0.24	0.85	0.40	-	1.95	1.03	0.46	1.27	0.54	-	0.76	0.16	-
10	250/140	3.68	2.60	1.78	2.82	1.94	1.23	2.18	1.44	0.82	1.68	1.04	0.50	3.24	1.94	1.14	2.28	1.23	0.60	1.55	0.70	0.18

Wind catching areas (Scx) in m²: for lanterns on top without any offset.

FRANCE												EUROPE								
22 m/s			24 m/s			26 m/s			28 m/s			24 m/s			27 m/s			30 m/s		
Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0

**SUMU**

Height m	Ø mm	1.45	1.33	0.91	1.20	1.09	0.74	0.99	0.90	0.60	0.82	0.74	0.49	1.37	1.09	0.69	1.04	0.82	0.50	0.80	0.62	0.36
3	140	1.45	1.33	0.91	1.20	1.09	0.74	0.99	0.90	0.60	0.82	0.74	0.49	1.37	1.09	0.69	1.04	0.82	0.50	0.80	0.62	0.36
3.5	140	1.12	0.93	0.64	0.91	0.75	0.51	0.75	0.62	0.40	0.62	0.50	0.31	1.04	0.75	0.47	0.78	0.55	0.32	0.59	0.40	0.21
4	140	0.88	0.70	0.45	0.69	0.54	0.34	0.54	0.42	0.24	0.43	0.32	0.17	0.81	0.54	0.31	0.57	0.37	0.18	0.41	0.24	0.09
5	140	0.50	0.32	0.16	0.36	0.21	-	0.25	0.14	-	0.16	0.06	-	0.44	0.21	0.06	0.27	0.10	-	0.14	-	-
5	168	1.13	0.80	0.51	0.88	0.60	0.37	0.68	0.46	0.25	0.53	0.33	0.16	1.04	0.60	0.32	0.72	0.39	0.17	0.50	0.24	-
6	168	0.65	0.41	0.20	0.47	0.26	0.10	0.32	0.16	-	0.21	0.06	-	0.57	0.26							



# CONCRETE FOUNDATION

FRANCE												EUROPE								
22 m/s			24 m/s			26 m/s			28 m/s			24 m/s			27 m/s			30 m/s		
Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3-a	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0	Rough. 3	Rough. 2	Rough. 0

### SILEA VERY HIGH COLUMN

Height m	Section mm	1.10	0.56	0.13	0.68	0.22	-	0.35	-	-	-	-	-	0.90	0.22	-	0.32	-	-	-	-
12	250/140	1.10	0.56	0.13	0.68	0.22	-	0.35	-	-	-	-	-	0.90	0.22	-	0.32	-	-	-	-
12	300/160	2.60	1.73	1.00	1.92	1.15	0.49	1.35	0.68	0.10	0.89	0.29	-	2.26	1.16	0.47	1.42	0.53	-	0.82	-
14	350/160	3.35	2.24	1.40	2.46	1.52	0.79	1.75	0.95	0.32	1.20	0.51	-	2.88	1.53	0.72	1.82	0.74	-	1.06	0.11
16	350/160	1.91	1.00	0.30	1.17	0.40	-	0.60	-	-	0.14	-	-	1.54	0.42	-	0.65	-	-	-	-
16	400/160	3.94	2.60	1.46	2.83	1.64	0.68	1.92	0.90	-	1.18	0.31	-	3.28	1.54	0.48	1.89	0.50	-	0.90	-

### SILEA XL VERY HIGH COLUMN

Height m	Section mm	2.26	1.53	0.87	1.69	1.00	0.44	1.18	0.60	0.11	0.78	0.27	-	1.97	1.00	0.37	1.13	0.35	-	0.68	-
12	250/140	2.26	1.53	0.87	1.69	1.00	0.44	1.18	0.60	0.11	0.78	0.27	-	1.97	1.00	0.37	1.13	0.35	-	0.68	-
12	300/160	4.45	3.17	2.14	3.40	2.35	1.45	2.62	1.68	0.92	1.96	1.16	0.50	3.95	2.35	1.36	2.70	1.41	0.61	1.80	0.76
14	300/160	2.76	1.76	0.94	1.95	1.10	0.40	1.30	0.57	-	0.78	0.15	-	2.36	1.10	0.32	1.36	0.34	-	0.66	-
16	350/160	3.34	2.08	1.10	2.30	1.27	0.40	1.50	0.60	-	0.86	0.10	-	2.82	1.27	0.33	1.56	0.33	-	0.69	-

### DÔME XL VERY HIGH COLUMN

Height m	Ø mm	1.41	1.00	0.65	1.08	0.72	0.4	0.82	0.48	0.20	0.59	0.29	-	1.25	0.72	0.36	0.85	0.38	-	0.52	0.14
12	245/140	1.41	1.00	0.65	1.08	0.72	0.4	0.82	0.48	0.20	0.59	0.29	-	1.25	0.72	0.36	0.85	0.38	-	0.52	0.14
12	275/140	2.15	1.59	1.15	1.70	1.22	0.84	1.35	0.93	0.57	1.06	0.69	0.36	1.93	1.22	0.79	1.38	0.80	0.41	0.98	0.47
14	275/140	1.41	0.97	0.62	1.05	0.67	0.37	0.77	0.44	0.17	0.54	0.25	-	1.23	0.67	0.33	0.79	0.34	-	0.47	-

### ATHENA XL VERY HIGH COLUMN

Height m	Ø mm	2.92	2.04	1.30	2.24	1.46	0.80	1.66	0.98	-	1.24	0.60	-	2.59	1.46	0.76	1.72	0.84	-	1.04	-
12	245/140	2.92	2.04	1.30	2.24	1.46	0.80	1.66	0.98	-	1.24	0.60	-	2.59	1.46	0.76	1.72	0.84	-	1.04	-
12	275/140	4.30	3.18	2.30	3.40	2.44	1.68	2.70	1.86	1.14	2.12	1.38	0.72	3.86	2.44	1.58	2.76	1.60	0.82	1.96	0.94
14	275/140	3.10	2.16	1.42	2.34	1.54	0.92	1.74	1.06	-	1.30	0.68	-	2.83	1.54	0.81	1.78	0.84	-	1.12	-

### HELIACA VERY HIGH COLUMN

Height m	Section mm	5.20	3.46	1.00	3.84	2.30	0.98	2.70	1.36	-	1.78	-	-	4.52	2.32	0.94	2.84	1.06	-	1.64	-
12	300/160	5.20	3.46	1.00	3.84	2.30	0.98	2.70	1.36	-	1.78	-	-	4.52	2.32	0.94	2.84	1.06	-	1.64	-
14	350/160	6.70	4.48	1.40	4.92	3.04	1.58	3.50	1.90	-	2.40	1.02	-	5.76	3.06	1.44	3.64	1.48	-	2.12	-
16	350/160	3.82	2.00	0.30	2.34	-	-	1.20	-	-	-	-	-	3.08	0.84	-	1.30	-	-	-	-
16	400/160	7.88	5.20	1.46	5.66	3.28	1.36	3.84	1.80	-	2.36	0.62	-	6.56	3.08	0.96	3.78	1.00	-	1.80	-

### HELIACA XL VERY HIGH COLUMN

Height m	Section mm	4.52	3.06	1.74	3.38	2.00	0.88	2.36	1.20	0.22	1.56	0.54	-	3.94	2.00	0.74	2.26	0.7	-	1.36	-
12	250/140	4.52	3.06	1.74	3.38	2.00	0.88	2.36	1.20	0.22	1.56	0.54	-	3.94	2.00	0.74	2.26	0.7	-	1.36	-
12	300/160	8.90	6.34	2.14	6.80	4.70	2.90	5.24	3.36	1.84	3.92	2.32	-	7.90	4.70	2.72	5.40	2.82	1.22	3.60	1.52
14	300/160	5.52	3.52	0.94	3.90	2.20	0.80	2.60	1.14	-	1.56	-	-	4.72	2.20	0.64	2.72	0.68	-	1.32	-
16	350/160	6.68	4.16	1.10	4.60	2.54	0.80	3.00	1.20	-	1.72	-	-	5.64	2.54	0.66	3.12	0.66	-	1.38	-

### OHASHI

Height m	Ø mm	2.42	2.04	1.53	2.00	1.68	1.22	1.71	1.43	1.02	1.42	1.18	0.82	2.25	1.68	1.14	1.76	1.31	0.86	1.07	0.89
3,5	160/76	2.42	2.04	1.53	2.00	1.68	1.22	1.71	1.43	1.02	1.42	1.18	0.82	2.25	1.68	1.14	1.76	1.31	0.86	1.07	0.89
4	160/76	2.17	1.76	1.32	1.73	1.40	1.02	1.47	1.18	0.84	1.20	0.96	0.66	1.95	1.40	0.95	1.50	1.07	0.70	0.90	0.72
5	160/76	1.57	1.22	0.85	1.26	0.94	0.65	1.06	0.78	0.53	0.85	0.62	0.40	1.42	0.94	0.61	1.07	0.70	0.43	0.64	0.47
6	250/114	4.36	3.20	2.40	3.60	2.63	1.92	3.00	2.20	1.56	2.50	1.80	1.26	4.05	2.63	1.79	3.09	2.00	1.32	1.52	1.10
7	250/114	2.68	1.95	1.42	2.14	1.55	1.10	1.76	2.30	0.86	1.45	1.01	0.68	2.41	1.55	1.03	1.81	1.66	0.72	0.88	0.62
8	250/114	2.04	1.48	1.05	1.64	1.14	0.80	1.34	0.92	0.59	1.06	0.71	0.41	1.85	1.14	0.75	1.35	0.82	0.47	0.65	0.43

### CATELAM

Height m	Ø mm	2.62	1.93	1.41	2.16	1.58	1.14	1.80	1.31	0.93	1.50	1.09	0.76	2.46	1.58	1.09	1.88	1.19	0.80	1.88	0.92
5	178/140	2.62	1.93	1.41	2.16	1.58	1.14	1.80	1.31	0.93	1.50	1.09	0.76	2.46	1.58	1.09	1.88	1.19	0.80	1.88	0.92
8	224/168	1.90	1.36	0.94	1.50	1.04	0.70	1.19	0.80	0.50	0.94	0.61	0.35	1.72	1.04	0.66	1.24	0.70	0.39	1.24	0.46

Wind catching areas (Scx) in m²: for lanterns on top without any offset.

MOSHI		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort V <sub>d</sub> (daN)	Moment M <sub>d</sub> (daN.m)	H (m)	A (m)
3	120	262	539	0.60	0.50
3,5	120	251	537	0.60	0.50
4	120	225	518	0.60	0.50
4	140	339	817	0.70	0.50
5	120	167	466	0.60	0.50
5	140	280	770	0.70	0.50
5	160	451	1252	0.80	0.60
6	140	232	738	0.70	0.50
6	160	345	1158	0.80	0.60

MOSHI XL		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort V <sub>d</sub> (daN)	Moment M <sub>d</sub> (daN.m)	H (m)	A (m)
3,5	120	300	707	0.70	0.50
4	120	285	689	0.70	0.50
5	120	230	643	0.70	0.50
5	140	386	1071	0.80	0.60
6	140	293	974	0.80	0.60
6	160	463	1532	1.00	0.60

SILEA		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort V <sub>d</sub> (daN)	Moment M <sub>d</sub> (daN.m)	H (m)	A (m)
3	120/76	203	390	0.60	0.50
3,5	120/76	199	396	0.60	0.50
4	120/76	180	384	0.60	0.50
4	140/76	265	596	0.70	0.50
5	120/76	140	366	0.70	0.50
5	140/76	225	587	0.70	0.50
5	160/120	372	1056	0.80	0.60
6	140/76	186	563	0.70	0.50
6	160/120	313	1014	0.80	0.60
7	160/120	276	979	0.80	0.60
7	200/120	504	1854	0.90	0.60
8	200/120	448	1804	0.90	0.60
8	220/140	612	2533	1.00	0.60
9	220/140	557	2497	1.00	0.60
9	250/140	807	3699	1.10	0.70
10	220/140	446	2331	1.00	0.70
10	250/140	721	3624	1.10	0.70

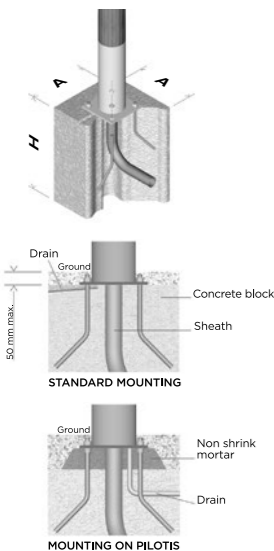
SILEA XL		DOWNWARD LOADING			
----------	--	------------------	--	--	--

SUMU		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
3	140	171	342	0.60	0.50
3.5	140	166	340	0.60	0.50
4	140	134	313	0.60	0.50
5	140	102	286	0.60	0.50
5	168	180	526	0.70	0.50
6	168	145	489	0.70	0.50

SUMU XL		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
3	115	178	391	0.60	0.50
4	115	157	365	0.60	0.50
4	140	242	650	0.70	0.50
5	115	119	331	0.60	0.50
5	140	209	615	0.70	0.50
6	140	170	568	0.70	0.50
6	168	295	1011	0.80	0.60

DÔME		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
3	140/76	128	232	0.60	0.50
3.5	140/76	117	232	0.60	0.50
3.5	168/120	217	491	0.70	0.50
4	140/76	110	239	0.60	0.50
4	168/120	212	496	0.70	0.50
5	140/76	86	234	0.60	0.50
5	168/120	179	483	0.70	0.50
6	168/120	151	473	0.70	0.50
6	194/120	258	855	0.80	0.60
6	220/140	328	1096	0.80	0.60
7	194/120	219	790	0.80	0.60
7	220/140	298	1093	0.80	0.60
8	194/120	184	769	0.80	0.60
8	220/140	250	1063	0.80	0.60
8	275/140	480	1998	1.00	0.60
9	220/140	213	1038	0.80	0.60
9	275/140	433	1958	1.00	0.60
10	275/140	370	2026	1.00	0.60

DÔME XL		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
3	115/76	175	390	0.60	0.50
3,5	115/76	160	374	0.60	0.50
3,5	140/76	254	668	0.70	0.50
4	115/76	151	359	0.60	0.50
4	140/76	235	648	0.70	0.50
5	115/76	125	341	0.60	0.50
5	140/76	215	619	0.70	0.50
5	168/120	324	1050	0.80	0.60
6	140/76	175	567	0.70	0.50
6	168/120	311	1032	0.80	0.60
7	168/120	251	955	0.80	0.50
7	194/120	390	1462	0.90	0.60
8	194/120	327	1394	0.90	0.60
8	220/140	517	2239	1.00	0.60
9	194/120	273	1321	0.90	0.60
9	220/140	432	2113	1.00	0.60
10	220/140	381	2030	1.00	0.60
10	245/140	523	2823	1.10	0.70



These values are given for information only and are based on a reference surface with bearing capacity of 0,2 N/mm<sup>2</sup> (2 bars).

SILEA VERY HIGH COLUMN		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
12	250/140	544	3320	1.20	0.80
12	300/160	963	5723	1.30	0.80
14	350/160	1359	9213	1.50	0.80
16	350/160	1172	9113	1.50	0.80
16	400/160	1614	12609	1.60	0.90

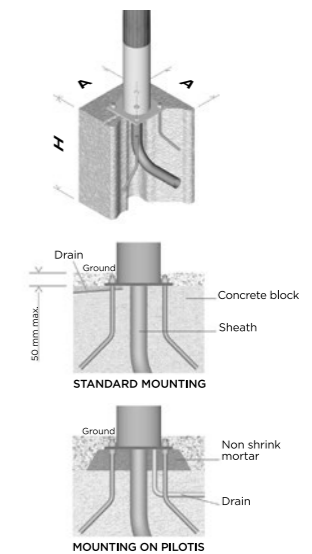
SILEA XL VERY HIGH COLUMN		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
12	250/140	770	4659	1.40	0.80
12	300/160	1291	7800	1.40	0.80
14	300/160	1044	7358	1.40	0.80
16	350/160	1409	10950	1.60	1.00

DÔME XL VERY HIGH COLUMN		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
12	245/140	446	2331	1.00	0.70
12	275/140	544	3320	1.20	0.80
14	275/140	770	4659	1.40	0.80

ATHENA XL VERY HIGH COLUMN		DOWNWARD LOADING	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)
12	245/140	840	5600
12	275/140	1080	7650
14	275/140	1050	7450

HELIACA VERY HIGH COLUMN		DOWNWARD LOADING	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)
12	300/160	1900	11150
14	350/160	2550	10900
16	350/160	2300	17800
16	400/160	3200	23200

HELIACA XL VERY HIGH COLUMN		DOWNWARD LOADING	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)
12	250/140	1540	9318
12	300/160	2300	14500
14	300/160	2020	14200
16	350/160	2780	21500



OHASHI		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
3.5	160/76	230	610	0.70	0.50
4	160/76	220	610	0.70	0.50
5	160/76	210	610	0.70	0.50
6	250/114	470	2120	1.00	0.60
7	250/114	450	2080	1.00	0.60
8	250/114	425	2150	1.00	0.60

CATELAM		DOWNWARD LOADING		RECOMMENDED FOUNDATION	
Total height above ground (m)	Dimension at base (mm)	Effort $V_d$ (daN)	Moment $M_d$ (daN.m)	H (m)	A (m)
5	178/140	309	1042	0.80	0.60
8	224/168	452	2025	1.00	0.60

These values are given for information only and are based on a reference surface with bearing capacity of 0,2 N/mm<sup>2</sup> (2 bars).



# GENERAL CONDITIONS OF SALE

Any order transmitted to the vendor confirms that the purchaser has accepted the general conditions of sale below and has renounced the purchaser's own general conditions of purchase.

Clauses included on purchase documents or correspondence from the purchaser cannot alter this, unless there is express agreement on the part of the vendor mentioned on this latter's offer or on his confirmation of order.

## 1. GENERAL POINTS

Prices and information contained in catalogues, brochures or price lists are for information purposes only, and the vendor reserves the right to make any alterations to lay-out, form and dimensions of, or materials used in apparatus, devices or parts of devices whose illustrations and descriptions figure in this printed matter for the purpose of publicity.

Estimates and offers are valid for a period of two months. It is understood that what we supply is limited solely to the material specified in the offer.

Our offers may be subject to revision contingent on the conventions for the revision of offers published by " Le Syndicat de l'éclairage ".

Our acceptance of an order, even when preliminary estimates or offers have been submitted, is only valid upon written confirmation from us, the vendor, of the purchaser's order. Unless the vendor contests our confirmation of order within 48 hours, then the terms and conditions contained therein are deemed accepted.

The weights given on estimates or marketing material are for information only; they may on no account form the basis for any claim for compensation or price reduction when the goods are sold as part of a package.

When the goods are sold unpackaged, the prices are calculated on the basis of the product supplied. Dimensions for the foundation blocks are given only as a guide; these blocks must be prepared by the purchaser at his entire responsibility and take account of the variations dictated by local conditions.

For follow-up orders, prices and delivery times are renegotiated by the vendor and the purchaser. Conditions agreed for the main order should not in any way prejudice those agreed for additional orders.

Sample goods should be returned within two months. If not, they will be invoiced according to terms stated in the offer, as stipulated by law.

## 2. INTELLECTUAL PROPERTY

The vendor retains in full all intellectual property rights for his plans, studies and documents of whatever nature, and none of these may be passed on or executed without the vendor's written permission. In the case of written communications, these must be returned to the vendor upon first demand. The technology and know-how, whether patented or not, as well as all intellectual and industrial property rights relating to its products and services remain the sole property of the vendor. The purchaser is accorded only the right to use the products in a non-exclusive way.

## 3. DELIVERY DATES

Delivery is deemed made when goods leave the factory or warehouse of the vendor.

The vendor is released in full from all obligations relating to delivery dates if the general payment conditions have not been respected by the purchaser or:

- in the case of force majeure. Any circumstance beyond the control of the vendor and preventing his normal function in the production or despatch of the products constitutes force majeure.
- in the case of events such as lock-outs, strikes or go slows effecting the smooth function of the vendor's company or that of one of his suppliers, subcontractors or shipping agents, in the interruption of transport, supply

of energy, raw material, or parts, in the case of epidemic, war, requisition, fire, extreme weather, natural catastrophe, equipment accidents, or any other events leading to short time working.

- when information to be supplied by the purchaser does not reach the vendor at the requested time., as well as in the case of modifications or new specifications.

### a. Delays

Delivery dates are given solely as a guide and without guarantee. A delay does not give the purchaser the right to cancel the order, to refuse delivery or to be entitled to damages or interest payments.

In the case of delay, the purchaser may not cancel his order out of hand: he must send the vendor formal notice.

### b. Penalties

No penalties for delays in delivery will be accepted unless they are part of special contractual clauses. In that case they may not exceed 5% of the value, in the workshop or in the warehouse, of goods remaining undelivered. These constitute fixed damages in full discharge, and exclude any other form of reparation.

## 4. TRANSPORT

Our goods are shipped at the risk of the purchaser, and it is his responsibility to check shipments on arrival, to note possible damage and to make any claims to the shipper, even if the delivery was made carriage-paid.

Shipping and packaging costs may be charged to vendor or purchaser according to what was decided at the time when the order was made and accepted by both parties.

All additional shipping costs occasioned by the purchaser (in the case of incorrect delivery address or non-availability of the recipient to take delivery) will be automatically recharged to the purchaser.

### a. Claims

In order for them to be considered, all complaints concerning the nature, type, characteristics, delivery parameters and apparent quality of the products, not withstanding legal obligations, must be reported to the vendor by registered letter with signed receipt within 8 calendar days of delivery.

### b. Packaging

Non consigned packaging is the responsibility of the customer and is not taken back by the vendor. In the absence of any special guidelines on the subject, packaging is prepared by the vendor acting in the customer's best interests.

### c. Returns

A product that has been delivered may only be returned in exceptional cases and after prior written agreement from the vendor. Once the vendor has agreed to accept the return, the product must be shipped back within 8 calendar days in the condition in which it was delivered, as regards both the product and the packaging. In the case that the goods have suffered materially, costs for repairing them will be charged to the purchaser.

## 5. TERMS AND CONDITIONS OF PAYMENT

The contract sets out the conditions of payment.

The invoice states the date by which payment should be made as well as the scale of penalties chargeable from the day following the settlement date shown on the invoice.

Payment term is set at 30 calendar days from the date of invoicing.

Any extension of this term that has not been previously agreed by the parties will be deemed a contravention according to article 66 of French law no. 2001-240 dated 15th May 2001.

The non payment of a sum due entails by law the forfeiture of the term and therefore the payability of all sums owing, even those not yet due for payment.

All sums not paid on the due date will be, without any need for formal notice to be given, subject to interest charges at the rates of the European Central Bank surcharged by 7 points in accordance with the clauses set out by the European Directive 2000/35 of the 29th June 2000 and by French law no. 2001-420 of the 15th May 2001, and this without prejudice to bringing about the cessation of the infraction. The vendor reserves the right to apply a penalty surcharge equal to 15% of the amount of the sums owing. For the first order, payment is due immediately upon receipt of invoice. In the case that a contract has been only partially fulfilled, payment is due on that part of the contract not in dispute or partially fulfilled.

Payment is deemed made on the date upon which funds are made available by the customer to the beneficiary or his agent.

Services associated with the supply are payable immediately, net and without deduction

## 6. RETENTION OF OWNERSHIP

The vendor retains ownership of the goods sold until payment in full of the principal and any secondary amount charged. In any case, the transfer of risk to the purchaser's account is effective from despatch.

Default of payment by a party whatever the due date may result in a claim on the goods

## 7. GUARANTEES

### a. Faults resulting in a claim on the guarantee

The vendor promises to put right any technical malfunction arising from a fault in design, materials or manufacture (including installation if this operation is entrusted to the vendor) within the bounds of the clauses that follow. This obligation on the vendor may not be enforced if the malfunction is occasioned by materials supplied by the purchaser or by a design insisted upon by the latter.

Any guarantee is invalidated for incidents resulting from unintentional events or force majeure, as well as for replacements or repairs resulting from normal wear and tear, or deterioration and accidents caused by negligence, faulty installation, monitoring or maintenance, or by use of the goods that is abnormal or that does not conform to the vendor's instructions.

### b. Duration and start of the guarantee

This commitment remains in force for faults that become evident during a guarantee period of one year. Replacement parts or parts replaced are guaranteed for the period left to run in terms of the guarantee.

The period of the guarantee runs from the date of delivery as set out in paragraph 3 above

### c. Purchaser's responsibilities

In order to be in a position to call upon the benefits of these clauses, the purchaser must:

- communicate to the vendor, prior to ordering, the destination of the goods and the conditions in which they will be used.
- advise the vendor, without delay and in writing, any faults which he attributes to the goods and provide any evidence to back these up.
- afford the vendor every opportunity to establish the nature of the faults and proceed with their rectification.
- not attempt, moreover, without the vendor's express agreement, to carry out repairs himself or to have these carried out by a third party.

### d. Modalities relating to the guarantee

Once the vendor has been advised as set out above, he must remedy faults at his costs and without delay, but he reserves the right if the need arises to make adjustments to the equipment in order to fulfil his obligations.

Work occasioned by the obligations of the guarantee is generally carried out in the vendor's workshops after the purchaser has returned to the former the defective equipment or parts to be repaired or replaced.

Nevertheless, taking into account the type of equipment to be repaired, when repairs have to be done on site, the vendor will pay for the labourcharges arising from the repair operation itself, not including time spent on preliminary works, dismantling or reinstalling made necessary by the conditions of use or installation pertaining at the site and costs relating to parts not included with the supply in question.

The shipping costs of the faulty equipment or parts, as well as the return of equipment and repaired or replaced parts back to site are to be paid by the purchaser as well as, for repairs carried out on site, the travel expenses of the vendor's agents.

Parts replaced free of charge return to the vendor's ownership.

## 8. RESPONSIBILITY

### a. Responsibility for direct material damage

The vendor is bound to repay direct damage caused to the purchaser which results from faults attributable to the vendor in the execution of the contract. By this title, the vendor is not bound to repay either the harmful consequences of the purchaser's errors or those of third parties relating to the execution of the contract, nor damages resulting from the use by the vendor of technical documents, data or any other technical means supplied or imposed upon the vendor by the purchaser and containing errors not detected by the vendor.

### b. Responsibility for indirect damage and/or resulting financial loss

Under no circumstances will the vendor be responsible for compensating non material or indirect damage such as, in particular, trading losses, loss of profit, harm to commercial interests...

The responsibility of the vendor is limited strictly to the obligations expressly stipulated in the contract. All penalties and compensation scheduled therein have the nature of fixed damages and interest, and discharge the vendor in full, so excluding any other sanction or obligation to compensation.

### c. General remarks

part from the case of gross negligence by the vendor and the compensation for bodily harm, the vendor's responsibility is limited, for all reasons, to a sum which, in the absence of a different stipulation in the contract, is limited to the sums received for the supply of the goods or services on the day the claim is made.

The purchaser guarantees not to take legal action through his insurers or third parties in a contractual relationship with him against the vendor or his insurers beyond the limits and exclusions stipulated below.

## 9. DISPUTES

In the event that an amiable agreement cannot be reached, it is to be clearly understood that any litigation pertaining to the contract will be put in the hands of a tribunal having jurisdiction for the area where the vendor's domicile is situated, even in the case of claim under warranty or when a number of defendants are involved.

GENERAL SALES CONDITIONS: GUARANTEES  
FOR EXTERIOR LIGHTING EQUIPMENT  
*See the guarantees of the Syndicat Français de l'Eclairage*  
([www.feder-eclairage.fr](http://www.feder-eclairage.fr))

# CONTACTS

## FRANCE

Sales manager  
AUBRILAM  
**David Madeore**  
+33 (0)6 42 16 05 96  
[madeore@aubrilam.fr](mailto:madeore@aubrilam.fr)

France / DOM-TOM Prescription  
AUBRILAM  
**Laure Ajavon**  
+33 (0)6 71 70 67 52  
[ajavon@aubrilam.fr](mailto:ajavon@aubrilam.fr)

AUBRILAM  
**Lynda Laker Ghedbane**  
+33 (0)6 88 20 16 54  
[laker@aubrilam.fr](mailto:laker@aubrilam.fr)  
Departments  
18 . 28 . 36 . 37 . 41 . 45 . 54 . 55  
57 . 67 . 68 . 72 . 75 . 77 . 78 . 86  
88 . 90 . 91 . 92 . 93 . 94 . 95

AUBRILAM  
**Jérémy Raillot**  
+33 (0)6 29 47 44 14  
[raillot@aubrilam.fr](mailto:raillot@aubrilam.fr)  
Departments  
2A . 2B . 04 . 05 . 06 . 11  
13 . 30 . 34 . 48 . 66 . 83 . 84

AUBRILAM  
**Régis Aubertier**  
+33 (0)6 37 00 23 60  
[aubertier@aubrilam.fr](mailto:aubertier@aubrilam.fr)  
Departments  
01 . 03 . 07 . 09 . 12 . 15 . 19 . 21  
23 . 25 . 26 . 31 . 32 . 38 . 39 . 42  
43 . 46 . 52 . 58 . 63 . 65 . 69 . 70  
71 . 73 . 74 . 81 . 82 . 87 . 89

Sales assistant  
AUBRILAM  
**Daniela De Domenico**  
+33 (0)4 73 31 86 92  
[de-domenico@aubrilam.fr](mailto:de-domenico@aubrilam.fr)

### MANAGEMENT

AUBRILAM <b>Marc Montrieul CEO</b> <a href="mailto:montrieul@aubrilam.fr">montrieul@aubrilam.fr</a>	AUBRILAM <b>Soufyane Miloudi GM</b> <a href="mailto:miloudi@aubrilam.fr">miloudi@aubrilam.fr</a>
-----------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------

### SALES OUTLETS

**AGENORE**  
3, rue Nicephore Niepce – BP 293  
76306 Sotteville Les Rouen  
+33 (0)2 32 91 73 73  
[agenore@wanadoo.fr](mailto:agenore@wanadoo.fr)  
Departments  
14 . 27 . 50 . 60 . 61 . 76

**CONTRASTE**  
Actiburo - Bât B - 99, rue Parmentier  
59650 Villeneuve d'Ascq  
+33 (0)3 20 05 58 11  
[info@contraste.eu](mailto:info@contraste.eu)  
Departments  
02 . 08 . 10 . 51 . 59 . 62 . 80

**SAMEG**  
19, rue de Fleurenne  
BP 86 - ZI de Blanquefort  
33293 Blanquefort  
+33 (0)5 56 35 39 78  
[sameg-julie@cea-sameg.fr](mailto:sameg-julie@cea-sameg.fr)  
Departments  
16 . 17 . 24 . 33 . 40 . 47 . 64

**LE MENE**  
ZAC de Porte Océane  
Rue du Danemark  
56400 Auray  
+33 (0)2 97 50 77 50  
[contact@lemene.fr](mailto:contact@lemene.fr)  
Departments  
22 . 29 . 35 . 44 . 49 . 53 . 56 . 79 . 85

### RESTAURANTS CHAINS, MOTORWAY SERVICE AREAS

AUBRILAM <b>Edwige Marcos</b> +33 (0)6 27 78 45 92 <a href="mailto:marcos@aubrilam.fr">marcos@aubrilam.fr</a>	Sales assistant AUBRILAM <b>Mélanie Maistre</b> +33 (0)4 73 31 86 91 <a href="mailto:maistre@aubrilam.fr">maistre@aubrilam.fr</a>
------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------

### PROPERTIES DEVELOPERS, RETAIL CHAINS

AUBRILAM <b>Sébastien Boyer</b> +33 (0)6 72 60 24 90 <a href="mailto:boyer@aubrilam.fr">boyer@aubrilam.fr</a>	AUBRILAM <b>Jean-Philippe Le Gloanec</b> +33 (0)6 89 62 44 10 <a href="mailto:legloanec@aubrilam.fr">legloanec@aubrilam.fr</a>
------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------

### MANAGEMENT

AUBRILAM <b>Marc Montrieul CEO</b> <a href="mailto:montrieul@aubrilam.fr">montrieul@aubrilam.fr</a>	AUBRILAM <b>Soufyane Miloudi GM</b> <a href="mailto:miloudi@aubrilam.fr">miloudi@aubrilam.fr</a>
-----------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------

### RESTAURANTS CHAINS

AUBRILAM <b>Katell Lagarrigue</b> +33 (0)4 73 31 86 97 <a href="mailto:lagarrigue@aubrilam.fr">lagarrigue@aubrilam.fr</a>	AUBRILAM <b>Catherine Fouret</b> +33 (0)4 73 31 86 89 <a href="mailto:fouret@aubrilam.fr">fouret@aubrilam.fr</a>
------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------

## INTERNATIONAL

Export sales manager  
AUBRILAM  
**Caroline Lagier**  
+33 (0)6 45 68 26 98  
[lagier@aubrilam.fr](mailto:lagier@aubrilam.fr)

### SALES NETWORK

#### SAUDI ARABIA

GARGASH LIGHTING SYSTEMS  
Al Nasr Square, Deira, Dubai  
+971 4 259 0600  
[sales@glsdubai.ae](mailto:sales@glsdubai.ae)

#### BAHRAIN

GARGASH LIGHTING SYSTEMS  
Al Nasr Square, Deira, Dubai  
+971 4 259 0600  
[sales@glsdubai.ae](mailto:sales@glsdubai.ae)

#### CANADA

STRUCTURA  
19922 W. 162nd St.  
Olathe KS 66062  
913.390.8787  
[projects@structura.com](mailto:projects@structura.com)

#### CYPRUS

LUCE ATALIOTIS Ltd  
10, Katsonis Str.  
Neolen Marina Buld  
3rd floor, Off. 301-302,P.O.  
Box 25121 - 1082 Nicosia  
+357 22515511  
[luce@cytanet.com.cy](mailto:luce@cytanet.com.cy)

#### DENMARK

ALFRED PRIESS A/S  
Sevelvej 51  
DK-7830 Vinderup  
+45 9744 1011  
[priess@priess.dk](mailto:priess@priess.dk)

#### SPAIN

PHILIPS INDAL  
Coordinacion logistica  
CTRA ARCAS REALES S/N  
47008 EDIF. INDAL  
APTDO.191 - Valladolid  
+34 983 45 75 75  
[indal@indal-lighting.com](mailto:indal@indal-lighting.com)

#### UNITED ARAB EMIRATES

GARGASH LIGHTING SYSTEMS  
Al Nasr Square, Deira, Dubai  
+971 4 259 0600  
[sales@glsdubai.ae](mailto:sales@glsdubai.ae)

#### UNITED STATES

STRUCTURA  
19922 W. 162nd St.  
Olathe KS 66062  
913.390.8787  
[projects@structura.com](mailto:projects@structura.com)

#### GREECE

LUCE ATALIOTIS (HELLAS) LTD  
360A, Kifisias Ave.  
15233 Chalandri, Athens  
+30 210 6899011/12  
[info@luce.gr](mailto:info@luce.gr)

#### ITALY

COMILUCE srl  
Via Mario Idiomi 4B/4C  
20090 Assago - Milano  
+39 02 32 48 53  
[info@comiluce.com](mailto:info@comiluce.com)

#### KUWAIT

GARGASH LIGHTING SYSTEMS  
Al Nasr Square, Deira, Dubai  
+971 4 259 0600  
[sales@glsdubai.ae](mailto:sales@glsdubai.ae)

#### LUXEMBOURG

LUX AMENAGEMENTS  
37, Rue Romain Fandel  
L-4149 Esch-Sur-Alzette  
+352 26 17 82 40  
[info@lux-amenagements.lu](mailto:info@lux-amenagements.lu)

#### MOROCCO

NABILUM SARL  
Mr Hassan Belghiti  
646 Bir Rami Est  
14000 Kénitra  
+212 537.53.48.48  
Mob : +212 661.06.38.70  
[nabilum.kenitra@gmail.com](mailto:nabilum.kenitra@gmail.com)

#### NORWAY

STOLPER AS  
Henning Holmoy - Managing Director  
Johan Scharffenbergsv. 91  
0694 Oslo  
+47 40 45 40 90  
Mob: +47 23 89 84 40

#### OMAN

GARGASH LIGHTING SYSTEMS  
Al Nasr Square, Deira, Dubai  
+971 4 259 0600  
[sales@glsdubai.ae](mailto:sales@glsdubai.ae)

#### NETHERLANDS

INDUSTRIELICHT BV  
Postbus 58  
2952 AB Alblasserdam  
+31 (078) 6920 900  
[info@industrialicht.nl](mailto:info@industrialicht.nl)

#### PORTUGAL

PHILIPS INDAL  
Coordinacion logistica  
CTRA ARCAS REALES S/N  
47008 EDIF. INDAL  
APTDO.191 - Valladolid  
+34 983 45 75 75  
[indal@indal-lighting.com](mailto:indal@indal-lighting.com)

#### QATAR

GARGASH LIGHTING SYSTEMS  
Al Nasr Square, Deira, Dubai  
+971 4 259 0600  
[sales@glsdubai.ae](mailto:sales@glsdubai.ae)

#### UNITED KINGDOM

WOODHOUSE UK PLC  
Spa Park, LEAMINGTON SPA  
CV31 3HL Leamington Spa  
+44 (0) 1926 314 313  
[enquire@woodhouse.co.uk](mailto:enquire@woodhouse.co.uk)

#### SWISS

SCHREDER SWISS SA  
Z.I de l'Ecorcheboeuf  
CH-1084 Carrouge  
+ +41 21 903 02 35  
[info@agschreder.ch](mailto:info@agschreder.ch)