

OBJETS LUMIERE

BOLLARDS.



BOLLARDS.

A range of bollards to illuminate, punctuate and highlight public spaces.

Athènes ²	p.04
Olympie ²	p.09
Louxor ²	p.13
Aurore	p.17
Lumino	p.21
Lampion	p.25



ATHÈNES².


Section  100x200mm

A RECTANGULAR AND
WITH CONTEMPORARY LINES
FOR ALL STYLES **OF ARCHITECTURE**
OR **LANDSCAPED AREAS.**

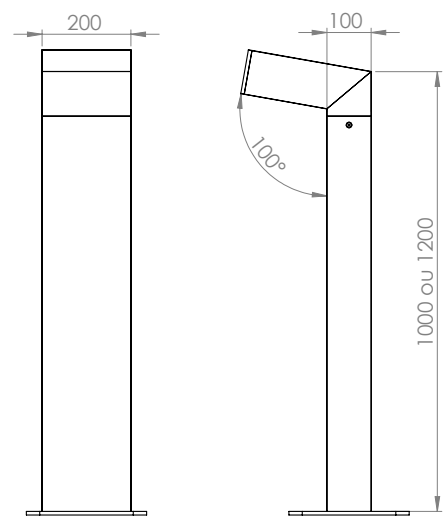
MONOLITHIC,



SET COMPOSITION

Section	 100x200mm
Rectangular fixture	
Back gate - Other position on request	

DIMENSIONS



✓ Satisfies with the requirements of the decree of December 27, 2018 regarding light pollution.



MATERIALS AND FINISHES

- Aluminium rectangle profile 100x200mm, Height 1000 or 1200mm
- Lighting fixture in injected casting, embedded in the head of the bollard with 10° inclination and access to the equipment opening the gate
- Center to center distance of anchor base's holes : 200 x 200 mm
- RAL powder coating of your choice, seaside option on request

EQUIPMENT

• IP66 OPTICAL BLOCK :

- Class II luminaire
- 4LED
- PMMA lenses
- «R» optics
- Lifetime for 3000K : L90B10 100000h
- ULR < 1%, CIE flux code 3 > 95%
- Colour temperature : 3000K standard. 2700K, 2200K on demand, 1800K as a special option.

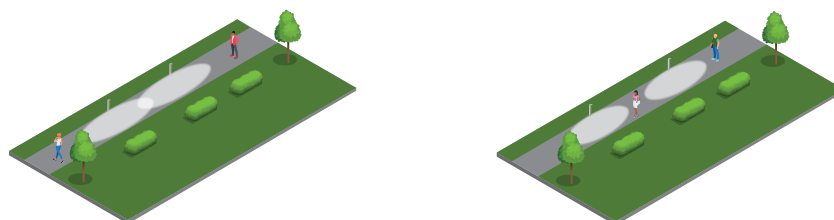
• REMOTE EQUIPMENT IN THE POLE :

- IP66 sealing
- Fullpro driver
- Waterproof connectors for cabling between luminaire and driver
- Electrical connection box between terminal block and circuit breaker

• OPTIONS :

- Presence detection
- Electrical plug
- Other optics on demand

• All our components are ENEC certified



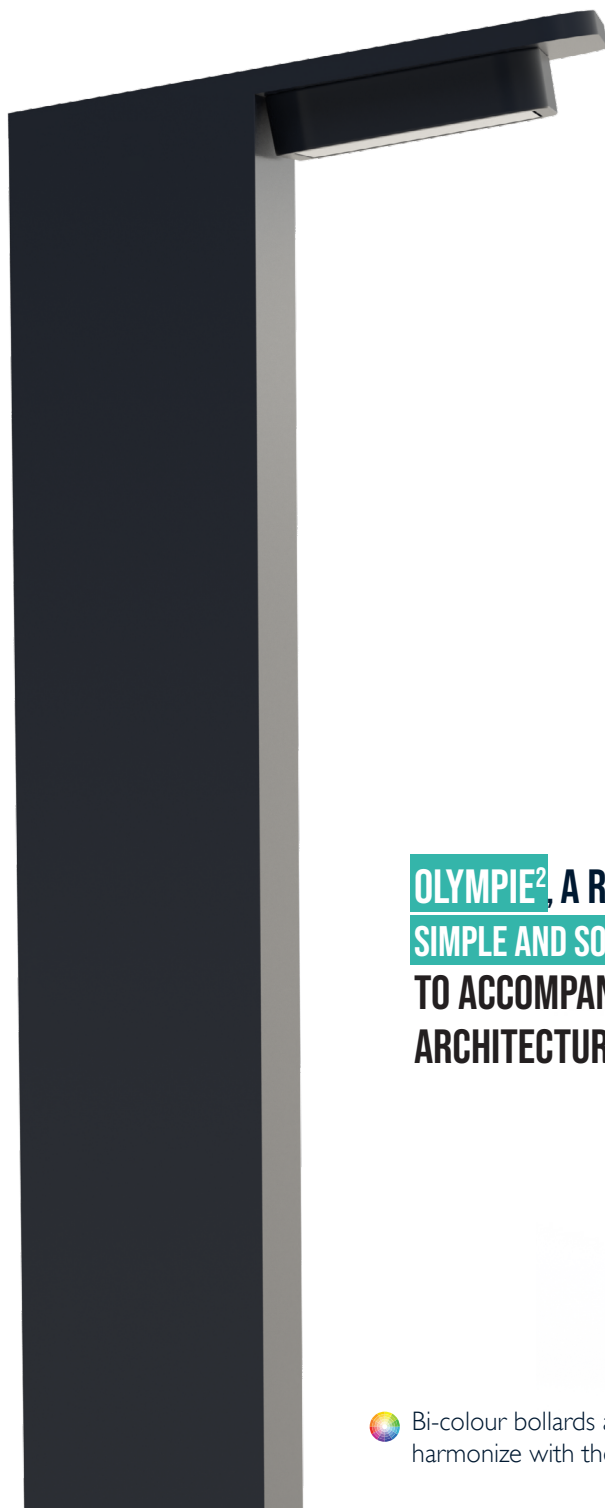
Recommendation examples

Use	PMR		Punctuation	
Bollard height	1.2m	1m	1.2m	1m
Interdistance	10m	8m	18m	15m
Path width	2.5m	2m	2.5m	2m
Average lighting	21 lux	20 lux	11 lux	10 lux
Uniformity	0.2	0.2	not applicable	not applicable
Power	9.5W	6.5W	9.5W	6.5W



OLYMPIE².

Section  100x200mm



**OLYMPIE², A RECTANGULAR
SIMPLE AND SOBER SECTION
TO ACCOMPANY CONTEMPORARY
ARCHITECTURES**

 Bi-colour bollards are possible to personalize projects and harmonize with the environment

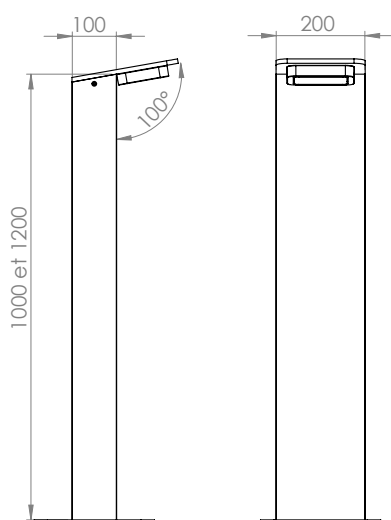
SET COMPOSITION

Section  100x200mm

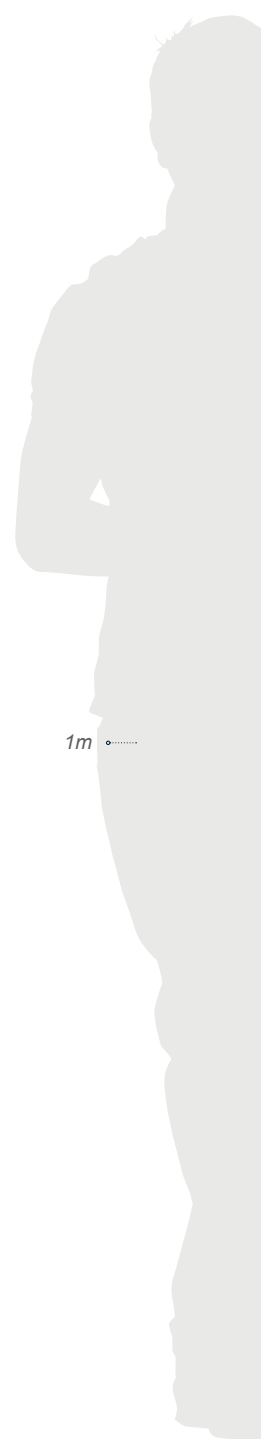
Rectangular fixture

Back gate - *Other position on request*

DIMENSIONS



1m 



- ✓ Satisfies with the requirements of the decree of December 27, 2018 regarding light pollution.



MATERIALS AND FINISHES

- Aluminium rectangle profile 100x200mm, Height 1000 or 1200mm
- Lighting fixture in injected casting, embedded in the head of the bollard with 10° inclination
- Access to the equipment opening the gate
- Center to center distance between anchor base's holes : 200 x 200 mm
- RAL powder coating on request, seaside option on request
- Finish : bi-tonality with no extra cost

EQUIPMENT

• IP66 OPTICAL BLOCK :

- Class II luminaire
- 4LED
- PMMA lenses
- «R» optics
- Lifetime for 3000K : L90B10 100000h
- ULR < 1%, CIE flux code 3 > 95%
- Colour temperature : 3000K standard. 2700K, 2200K on demand, 1800K as a special option.

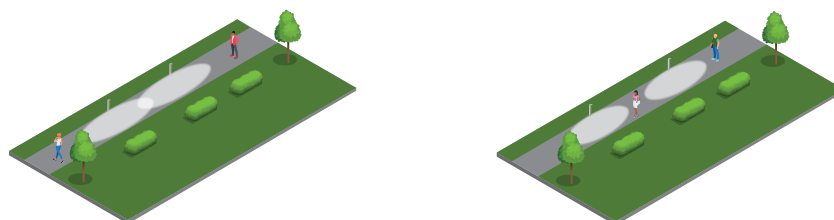
• REMOTE EQUIPMENT IN THE POST :

- IP66 sealing
- Fullpro driver
- Waterproof connectors for cabling between luminaire and driver
- Electrical connection box between terminal block and circuit breaker

• OPTIONS :

- Presence detection
- Electrical plug
- Other optics on demand

• All our components are ENEC certified



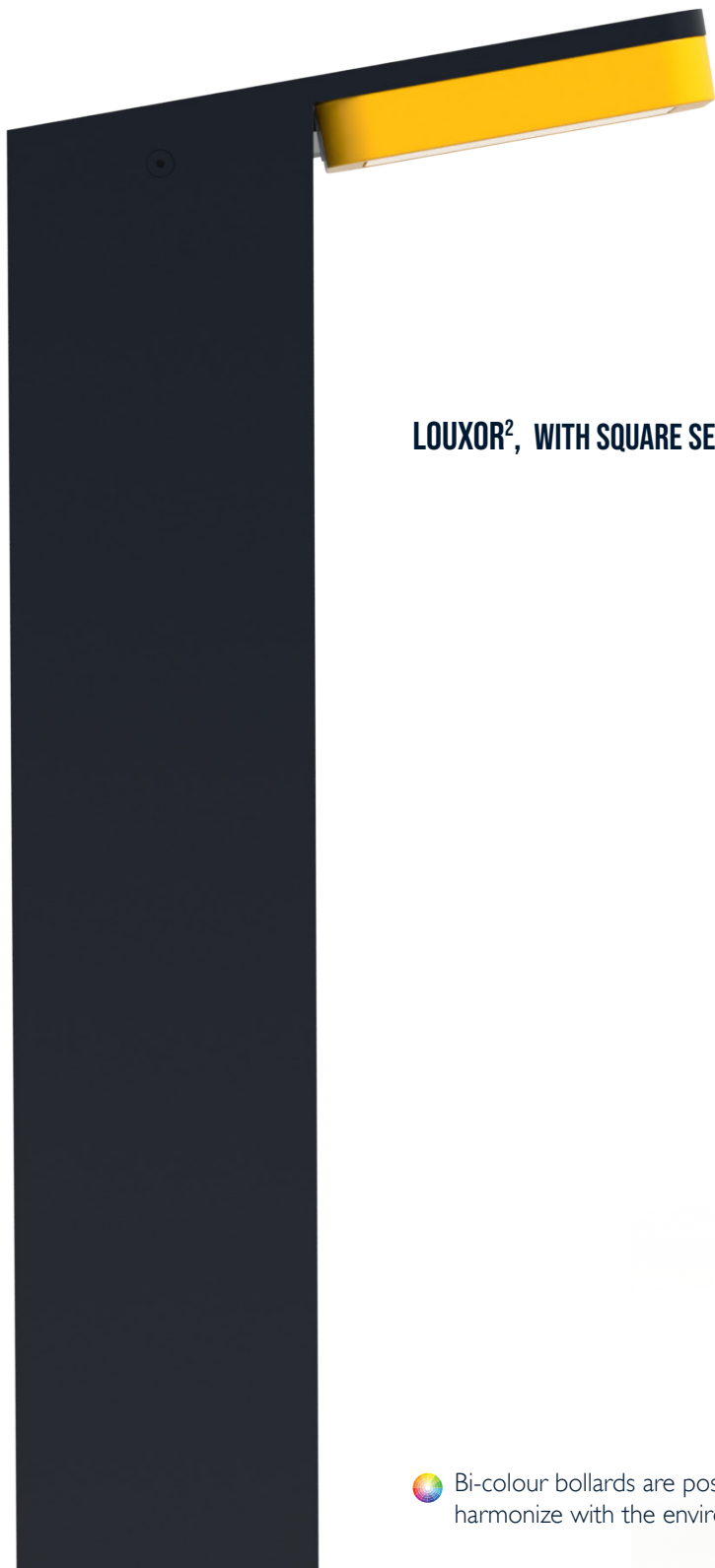
Recommendation examples

Use	PMR		Punctuation	
Bollard height	1.2m	1m	1.2m	1m
Interdistance	10m	8m	18m	15m
Path width	2.5m	2m	2.5m	2m
EAverage lighting	21 lux	20 lux	11 lux	10 lux
Uniformity	0.2	0.2	not applicable	not applicable
Power	9.5W	6.5W	9.5W	6.5W



LOUXOR².

Section □ 115x115mm



LOUXOR², WITH SQUARE SECTION & **MINIMALISM**



Bi-colour bollards are possible to personalize projects and harmonize with the environment

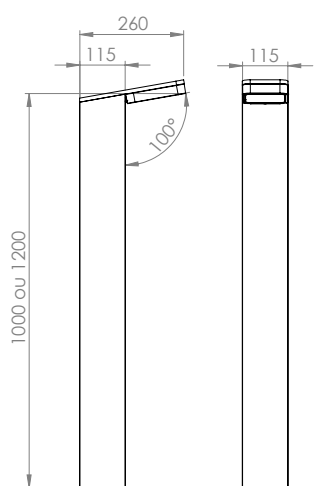
SET COMPOSITION

Section □ 115x115mm

Rectangular fixture

Back gate - *Other position on demand*

DIMENSIONS



1m

- ✓ Satisfies with the requirements of the decree of December 27, 2018 regarding light pollution.



MATÉRIAUX ET FINITIONS

- Aluminium square profile 100x200mm, Height 1000 or 1200mm
- Lighting fixture in injected casting, embedded in the head of the bollard with 10° inclination
- Access to the equipment opening the gate
- Center to center distance between anchor base's holes : 200 x 200 mm
- RAL powder coating on request, seaside option on request
- Finish : bi-tonality with no extra cost

EQUIPMENT

• IP66 OPTICAL BLOCK :

- Class II luminaire
- 4LED
- PMMA lenses
- «R» optics
- Lifetime for 3000K : L90B10 100000h
- ULR < 1%, CIE flux code 3 > 95%
- Colour temperature : 3000K standard. 2700K, 2200K on demand, 1800K as a special option.

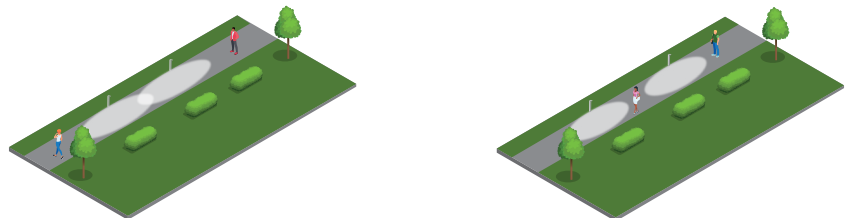
• REMOTE EQUIPMENT IN THE POST :

- IP66 sealing
- Fullprog driver
- Waterproof connectors for cabling between luminaire and driver
- Electrical connection box between terminal block and circuit breaker

• OPTIONS :

- Presence detection
- Electrical plug
- Other optics on demand

- All our components are ENEC certified



Recommendation examples

Use	PMR		Punctuation	
Bollard height	1.2m	1m	1.2m	1m
Interdistance	10m	8m	18m	15m
Path width	2.5m	2m	2.5m	2m
Average lighting	21 lux	20 lux	11 lux	10 lux
Uniformity	0.2	0.2	not applicable	not applicable
Power	9.5W	6.5W	9.5W	6.5W

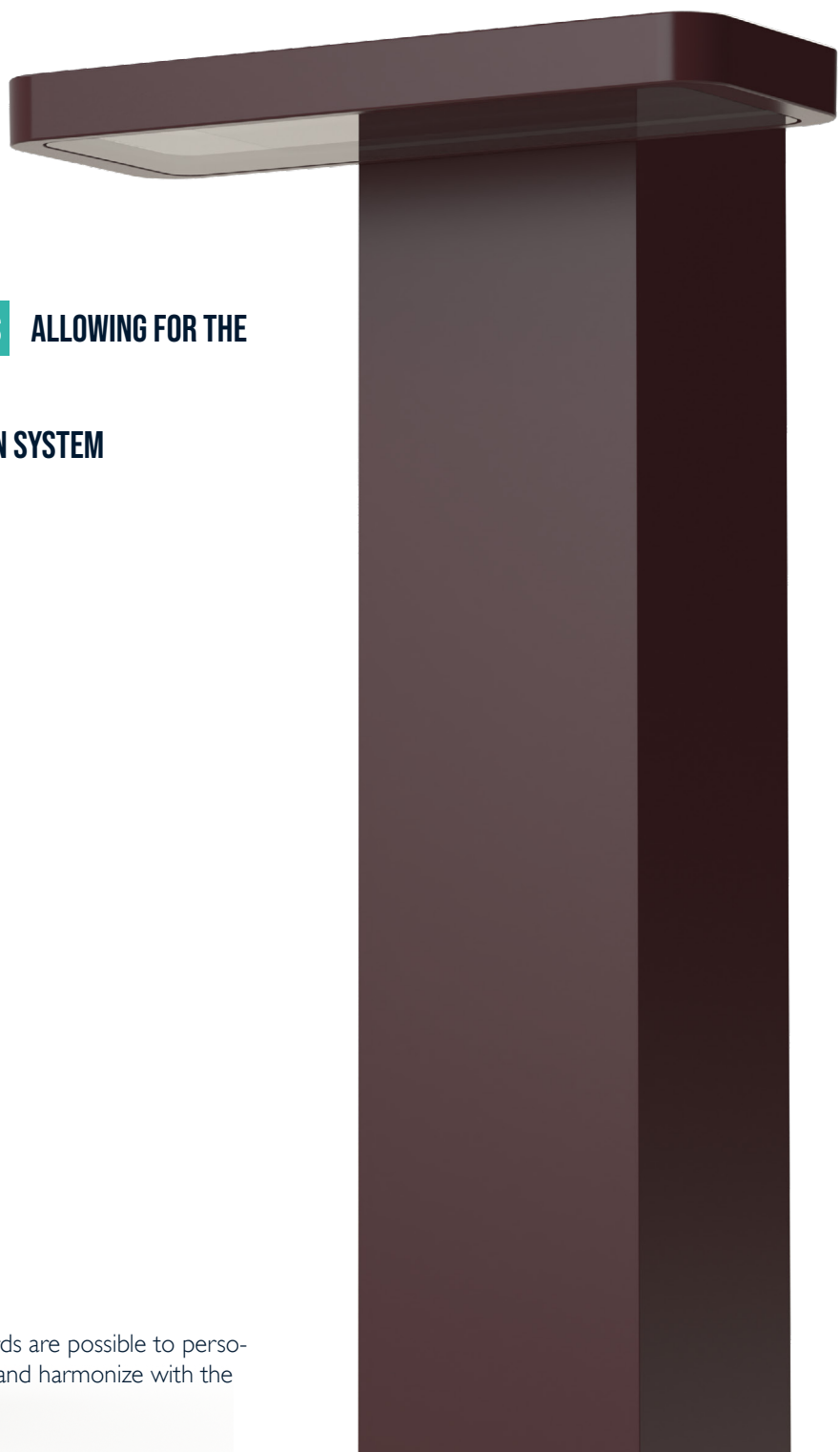


A SPECIAL BOLLARD **WITH ANGLES** ALLOWING FOR THE
INCLUSION OF

BIODIV[®] SPECIES CONSERVATION SYSTEM



Bi-colour bollards are possible to personalize projects and harmonize with the environment



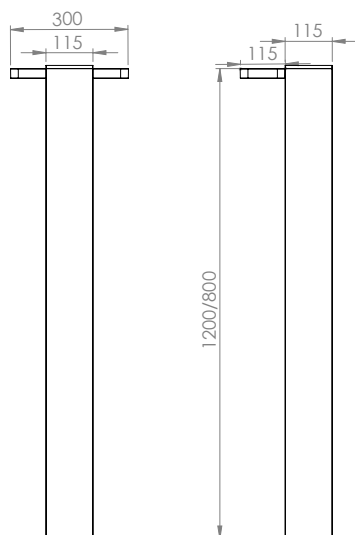
SET COMPOSITION

Section □ 115x115mm

Rectangular luminaire

Back gate - *Other position on request*

DIMENSIONS



1m •••••

Satisfies with the requirements of the decree of December 27, 2018 regarding light pollution.



MATERIALS AND FINISHES

- Square aluminium profile 115x115mm, Height 1000 or 1200mm
- Lighting fixture in injected casting 300 x 115 mm
- Access to the equipment opening the gate
- Center to center distance between anchor base's holes : 200 x 200 mm
- RAL powder coating on request, seaside option on request
- Finish : bi-tonality with no extra cost

EQUIPMENT

• IP 66 OPTICAL BLOCK :

- Class II luminaire
- 4 LED
- PMMA lenses
- «R» optics
- Lifetime for 3000K : L90B10 100000h
- ULR < 1%, CIE flux code 3 > 95%
- Colour temperature : 3000K standard. 2700K, 2200K on demand, 1800K as a special option. BioDiv® System in option, according to projects

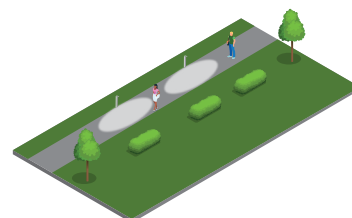
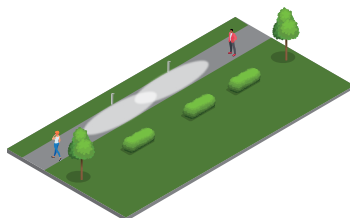
• REMOTE EQUIPMENT IN THE POST :

- IP66 sealing
- Fullpro driver
- Waterproof connectors for cabling between luminaire and driver
- Electrical connection box between terminal block and circuit breaker

• OPTIONS :

- Presence detection
- Electrical plug
- Other optics on demand

• All our components are ENEC certified



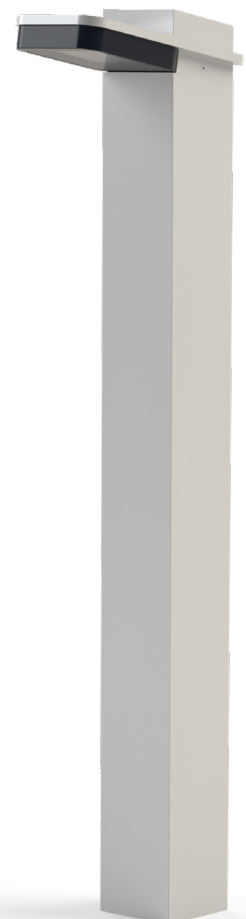
Recommendation examples

Use	PMR		Punctuation	
Bollard height	1.2m	1m	1.2m	1m
Interdistance	10m	8m	18m	15m
Path width	2m	1.5m	2m	1.5m
Average lighting	23 lux	21 lux	13 lux	11 lux
Uniformity	0.2	0.2	not applicable	not applicable
Power	9.5W	6.5W	9.5W	6.5W





AESTHETIC VARIATION OF THE SQUARE SECTION
WITH THE ADDITION OF A RISER.



Bi-colour bollards are possible to personalize projects and harmonize with the environment

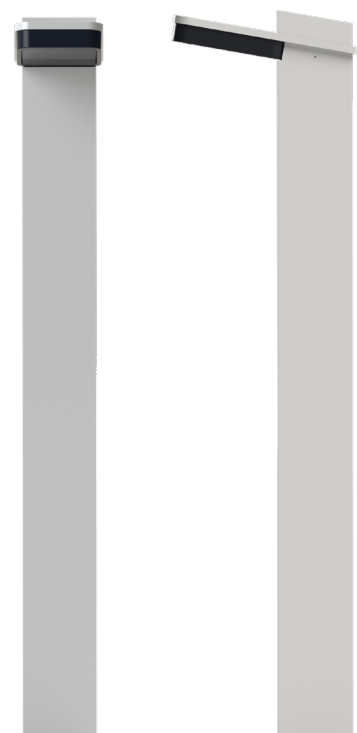
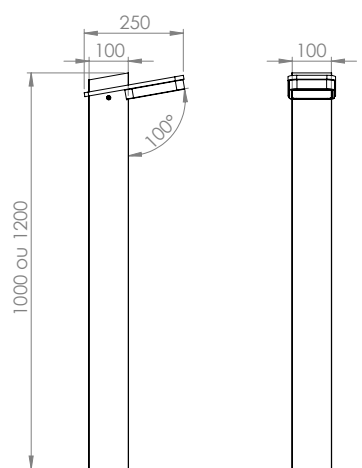
SET COMPOSITION

Section □ 100x100mm

Rectangular luminaire

Back gate - *Other position on request*

DIMENSIONS



1m •.....

- ✓ Satisfies with the requirements of the decree of December 27, 2018 regarding light pollution.

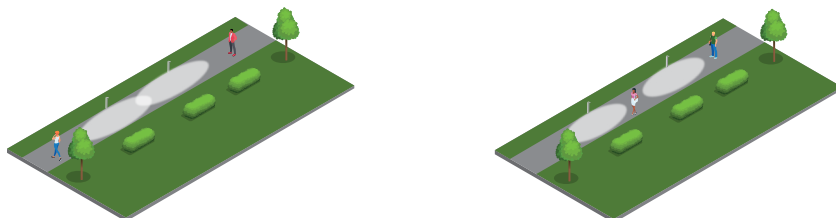


MATERIALS AND FINISHES

- Square aluminium profile 100x100mm, Height 1000 or 1200mm
- Lighting fixture in injected casting, embedded in the head of the bollard with inclination 10°
- Access to the equipment opening the gate
- Center to center distance between anchor base's holes : 200 x 200 mm
- RAL powder coating on request, seaside option on request
- Finish : bi-tonality with no extra cost

EQUIPMENT

- **IP 66 OPTICAL BLOCK :**
 - Class II luminaire
 - 4 LED
 - PMMA lenses
 - «R» optics
 - Lifetime for 3000K : L90B10 100000h
 - ULR < 1%, CIE flux code 3 > 95%
 - Colour temperature : 3000K standard. 2700K, 2200K on demand, 1800K as a special option. BioDiv® System in option, according to projects
- **REMOTE EQUIPMENT IN THE POST :**
 - IP66 sealing
 - Fullpro driver
 - Waterproof connectors for cabling between luminaire and driver
 - Electrical connection box between terminal block and circuit breaker
- **OPTIONS :**
 - Presence detection
 - Electrical plug
 - Other optics on demand
- **All our components are ENEC certified**



Recommendation examples

Use	PMR		Punctuation	
Bollard height	1.2m	1m	1.2m	1m
Interdistance	10m	8m	18m	15m
Path width	2.5m	2m	2.5m	2m
Average lighting	20.8 lux	20 lux	11 lux	21 lux
Uniformity	0.2	0.2	non applicable	0.2
Power	9.5W	6.5W	9.5W	6.5W



LAMPION.

Section ○ Ø90mm



SILHOUETTE **ROUND, AIRY OR ORGANIC**
SUITS PERFECTLY TO NATURAL SPACES



DECORATIVE OPTIONAL VEIL
TO **PERSONALIZE PREMISES**



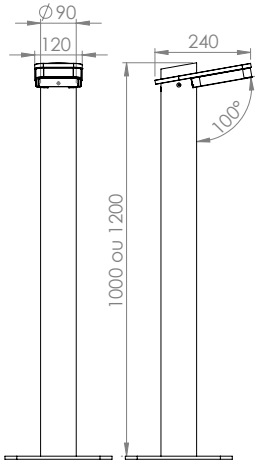
Bi-colour bollards are possible to personalize projects and harmonize with the environment

STANDARD VERSION

SET COMPOSITION

Section	○	Ø90mm
Rectangular luminaire		
Back gate		
<i>Other position on demand</i>		

DIMENSIONS



1m

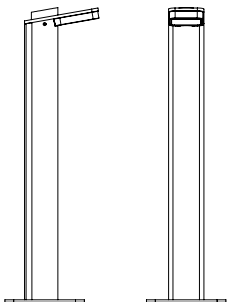
OPTIONNAL VERSION WITH DECORATIVE VEIL

SET COMPOSITION

Section	○	Ø90mm with decorative veil on the back
Veil patterns en option, Laser-cutting to be validated		
Rectangular luminaire		
Lateral gate	→	○

VARIATION

Optional back veil



1m

- ✓ Satisfies with the requirements of the decree of December 27, 2018 regarding light pollution.



MATERIALS AND FINISHES

- Aluminium tube Ø90mm, height 1000 or 1200mm
- Lighting fixture in injected casting, fixed as an applique at 25mm of the top of the tube with inclination 10°
- Access to the equipment opening the gate
- Center to center distance between anchor base's holes : 200 x 200 mm
- RAL powder coating on request, seaside option on request
- Finish : bi-tonality with no extra cost

EQUIPMENT

• IP 66 OPTICAL BLOCK :

- Class II luminaire
- 4 LED
- PMMA lenses
- «R» optics
- Lifetime for 3000K : L90B10 100000h
- ULR < 1%, CIE flux code 3 > 95%
- Colour temperature : 3000K standard. 2700K, 2200K on demand, 1800K as a special option. BioDiv® System in option, according to projects

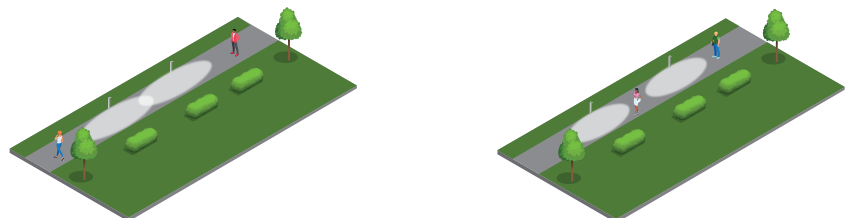
• REMOTE EQUIPMENT IN THE POST :

- IP66 sealing
- Fullprog driver
- Waterproof connectors for cabling between luminaire and driver
- Electrical connection box between terminal block and circuit breaker

• OPTIONS :

- Presence detection
- Electrical plug
- Other optics on demand

• All our components are ENEC certified



Examples of recommendation

Use	PMR		Ponctuation	
Bollard height	1.2m	1m	1.2m	1m
Interdistance	10m	8m	18m	15m
Path width	2.5m	2m	2.5m	2m
Average lighting	20.8 lux	20 lux	11 lux	21 lux
Uniformity	0.2	0.2	non applicable	0.2
Power	9.5W	6.5W	9.5W	6.5W

LES NUANCES.

LET'S COORDINATE «LES NUANCES» **HARMONIOUSLY**
AND COMBINE TONES FOR THE UPMOST **BALANCED**
PERSPECTIVES THANKS TO OUR SELECTION OF AXALTA COLORS
IN MATTE OR POWDER TEXTURE



BLACK BLUE
AE03055500420



COBALT BLUE
AE03055501320



SIGNAL BLUE
AE03055500520



CAPRI BLUE
AE03055501920



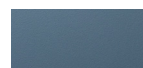
AZURE BLUE
AE03055500920



SKY BLUE
AE03055501520



LIGHT BLUE
AE03055501220



PASTEL BLUE
AE03055502420



WATER BLUE
AE03055502120



MINT TURQUOISE
AE03056603320



EMERALD GREEN
AE03056600120



MINT GREEN
AE03056602920



ZINC YELLOW
AE03051101820



RAPE YELLOW
AE03051102120



SIGNAL YELLOW
AE03051100320



MELON YELLOW
AE03051102820



DEEP ORANGE
AE03052201120



PURE ORANGE
AE03052200420



TRAFFIC RED
AE03053302020



RUBY RED
AE03053300320



PURE WHITE
AE03059901020



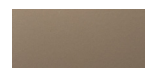
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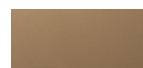
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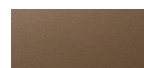
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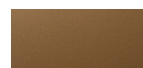
STAINLESS
STEEL C3I
SD201C7331121



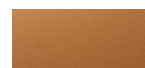
LIGHT
BRONZE C32
SD201C1164121



BRONZE
SD201C8000320



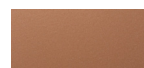
MEDIUM BRONZE
C33
SD201C8210521



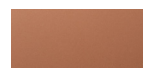
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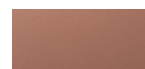
GOLD
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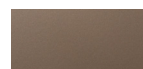
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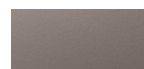
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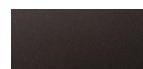
AUBERGINE
SD201C8214520



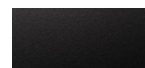
MINK 7048
SD201C7704820



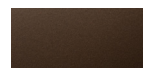
NIMBUS 9022
SD201C7902220



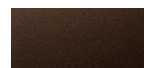
STERLING
SD201C7357220



BLACK C35
SD201C4000720



BROWN
SD201C8000420



DARK
BRONZE C34
SD201C8210621



Representation of colors for information only.
Colors on screen may vary from actual paint..

CHRYSA LIS



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