



**LUMEA**

Bollard Range







## LUMEA Bollard Range



The Lumea bollard is ideal for the marking and lighting of pedestrian paths in urban areas. The minimalist rectangular design of Lumea allows it to melt into the background of many projects, while being highly functional. Available in two heights, unidirectional or bidirectional lighting, Dorix embedded spotlight, anti-vandalism protection and silk screen decoration. Lumea never stops contributing to the architectural highlighting of urban areas.





## LUMEA Bollard Range

### Highlights



#### Technical characteristics

- Simple and resistant form.
- Invisible LED light source.
- Possibility of bidirectional lighting.
- Available in 2 sizes, other heights on request.
- IP66 optical unit.



#### Lighting performance

- One of the best LEDs on the market.
- Efficient and soothing lighting, ideal to indicate pedestrian and cycling paths, for example.
- LED life cycle: up to 120 000 hours.
- Possibility of bidirectional lighting.



#### Appearance

- Ragni's conception and design.
- Minimalist and architectural design
- Black or personalised screen printed on one face, on request.
- Creation of coordinated projects by associating with Dorix recessed floodlight.



#### Environmental and social responsibility

- Ecofriendly conception.
- Limits nuisance for roadside properties and the environment.
- Low CO2 emissions thanks to the choice of materials, the high-performance optical system and a reduced amount of packaging.
- Zhaga compliant optics.





## LUMÉA Bollard Range



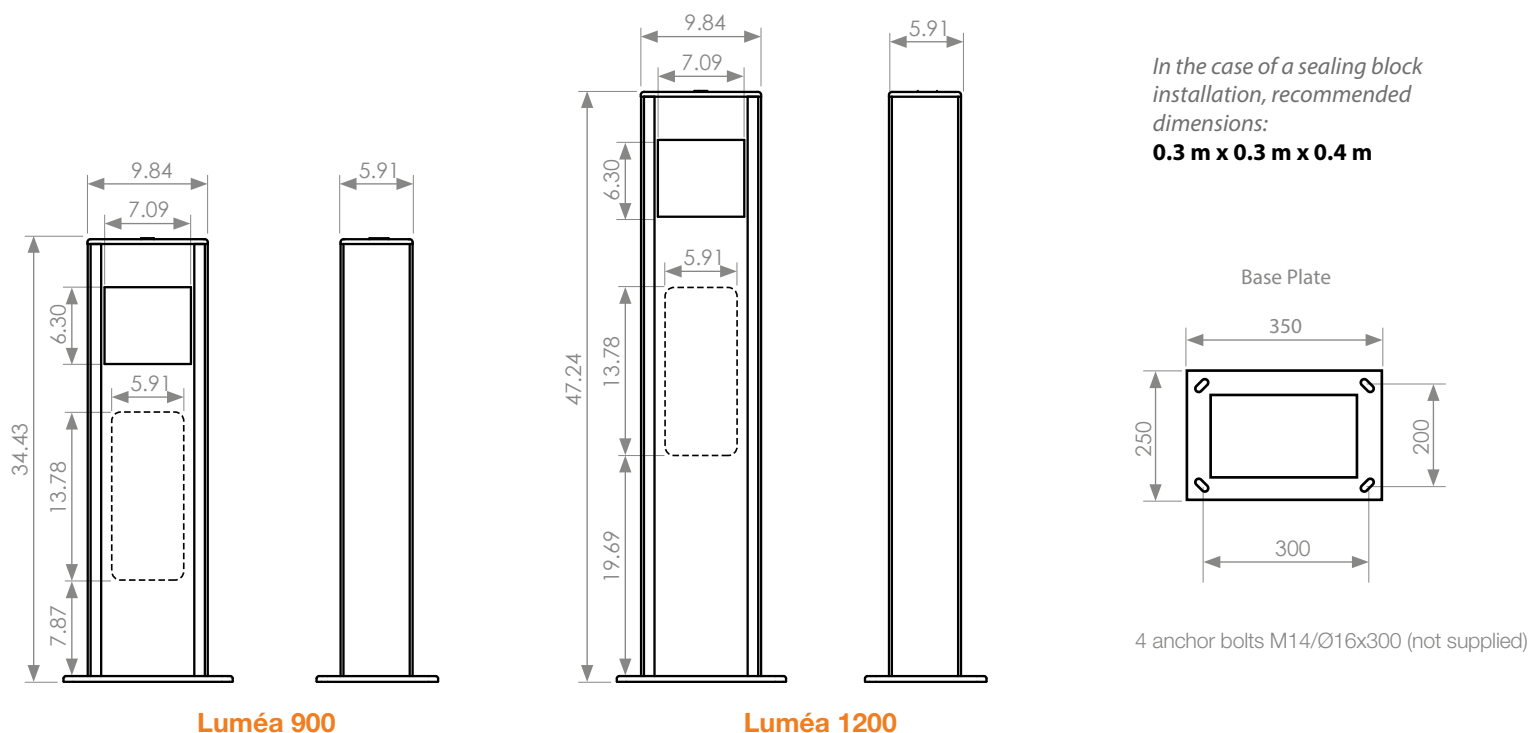
### Technical characteristics

The Luméa is available in 2 sizes to integrate all environments, ensuring efficient and economical lighting thanks to its LED technology.

	Luméa
<b>Weight (lbs)</b>	
Luméa 900	24
Luméa 1200	29
<b>Protection index</b>	
Optical unit	IP 66
<b>Shock resistance</b>	IK 10
<b>Materials</b>	
Housing	Injected aluminum
Bollard	Extruded aluminum
Front	ME

### Dimensions (in)

Other heights on request.





Bollard Range **LUMEA**

Technical characteristics



Electrical characteristics

- Power current up to 700mA
- Electrical class: I and II
- Incorporated driver.
- Optional surge protector or over/under voltage protection.

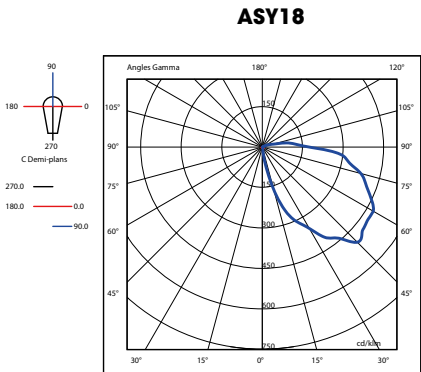
Lighting performance



LED module

- LED manufacturer: CREE
- LED life cycle: up to 120 000 hours, Lumen maintenance: L80 100 000hrs – B10.
- Color temperature: 2700, 3000K or 4000K
- CRI above 70

Photometric distribution



Extensive asymmetric distribution particularly adapted to the illumination of pedestrian paths.

Powers and luminous intensities

LUMINAIRE OUTPUT DATA (Tj @ 185°F)

Number of LED	350 mA			500 mA			700 mA		
	P <sub>t</sub> (W)	Φ (lm)	(lm/W)	P <sub>t</sub> (W)	Φ (lm)	(lm/W)	P <sub>t</sub> (W)	Φ (lm)	(lm/W)
3000 K									
12	14	1050	75	20	1500	75	28	1950	71
4000 K									
12	14	1200	86	20	1600	80	28	2100	76

P<sub>t</sub> (W) = Puissance totale / P<sub>t</sub> (W) = Total power Φ Flux nominal (lm) / Nominal flux (lm) Efficacité lumineuse (lm/W) / Luminous efficiency (lm/W)

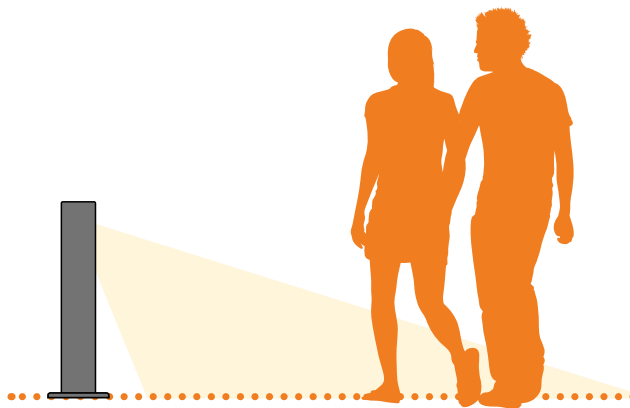


## LUMEA Bollard Range

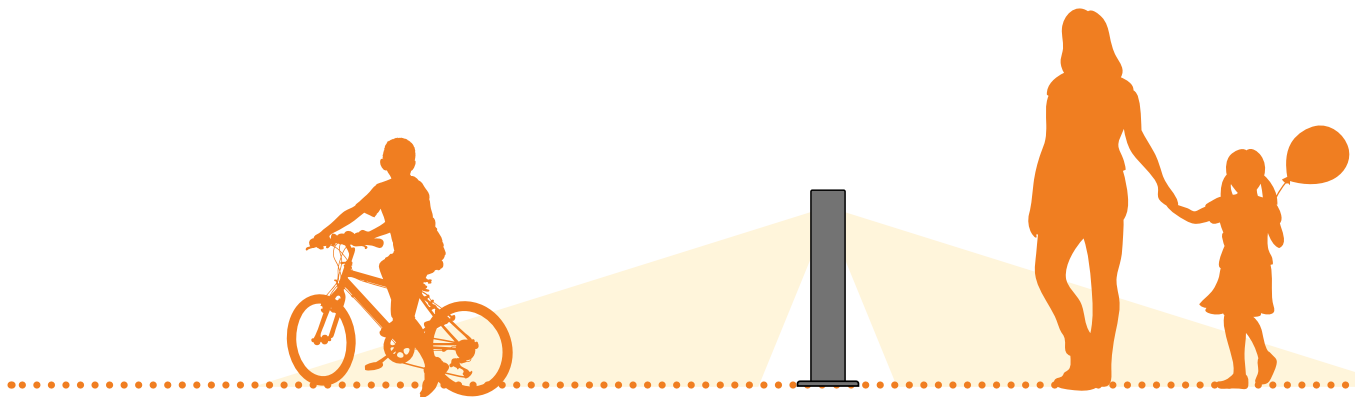


### Technical characteristics

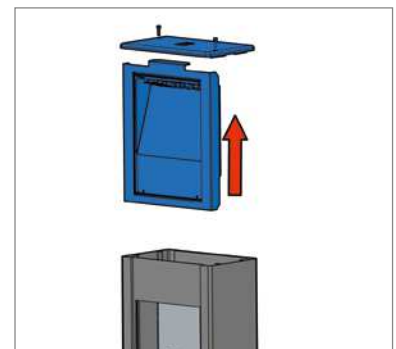
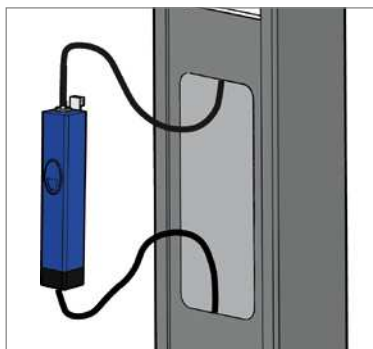
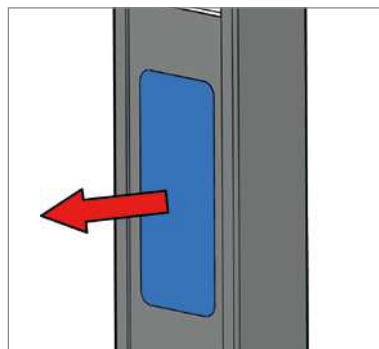
#### Unidirectional bollard



#### Bidirectional bollard



#### Installation .....





## LUMEA Bollard Range

### Appearance



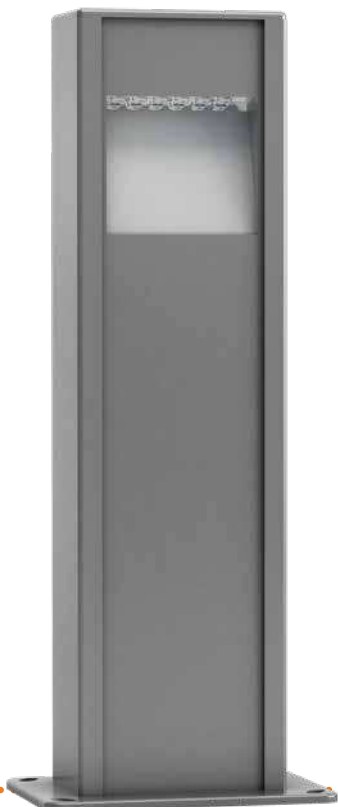
With 3 possible aesthetic configurations, Lumea knows how to be discreet or assertive. Painted with a color on choice, adorned with a black screenprinted facade to which can be added a personalized decorative pattern, it meets all levels of requirements and combines with the Dorix projector to create a harmonious lighting effect.

### Finishes

Without facade.

With black screen printed facade.

With black screen printed facade + personalized decorative motif.





# LUMEA Bollard Range

- **Standard colors:** Sanded Grey 2900.
- **Optional:** RAL on choice.

■ Sanded Grey 2900

■ RAL 5009

■ Sanded Grey 2900

■ RAL 8012



## Ordering Information

Fixture	# LED	Size	CCT	Drive Current	Distribution	Line Voltage	Color	Facade
LUM	12	900 - (34.4")	3 - (3000K)	35- (350 mA)	T2	120 - (120 V)	BLK - (Black)	NG- (No Glass)
		1200 - (47.2")	4 - (4000K)	50 - (500 mA)	T3	220 - (220 V)	BRZ - (Bronze)	D- (Decorative)
		D- (Dorix)		70 - (700 mA)		277 - (277 V)	SLV - (Silver)	BP- (Black Screen Printed)
		C - (Custom)		Custom		UNV	WHT - (White)	
							RAL #	

