

Needoo

by

Davide Oppizzi

Artemide®

Author

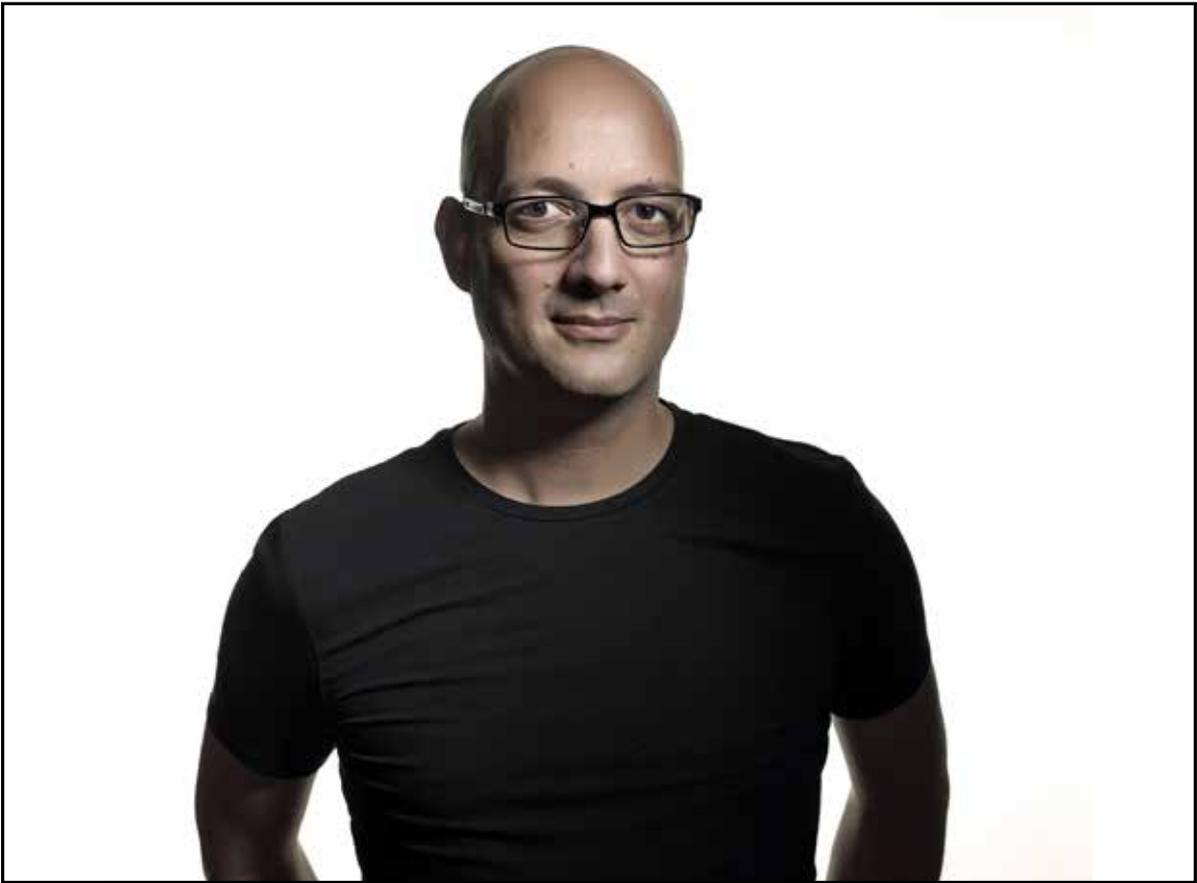
Davide Oppizzi

Founder of DCUBE design espaces lumière SA, Davide Oppizzi founded the agency DCUBE design espaces lumière SA in Geneva in 2001. He specializes in the creation and development of high quality projects related to lighting, greentech and architecture.

Light and matter: the constant quest for pure and authentic lines, those that raise the object to a level of timeless aesthetic refinement that is both exclusive and functional, Davide Oppizzi is specialised in the art of lighting, the only way, in his words, to sublimate the matter he works in.

Davide Oppizzi's imagination, his emotional vision of the tangible and intangible world, as well as his expertise in niche areas has brought him to the forefront of the international scene.

Global prestige brands such as Chanel, Louis Vuitton or Graff have entrusted him with projects that illustrate the profound link between a being and the surrounding nature, the nature that feeds their inspiration at all times. Davide Oppizzi possesses rare and unique mastery of two worlds that appear paradoxical at first: technology and creative sensitivity.



Needoo

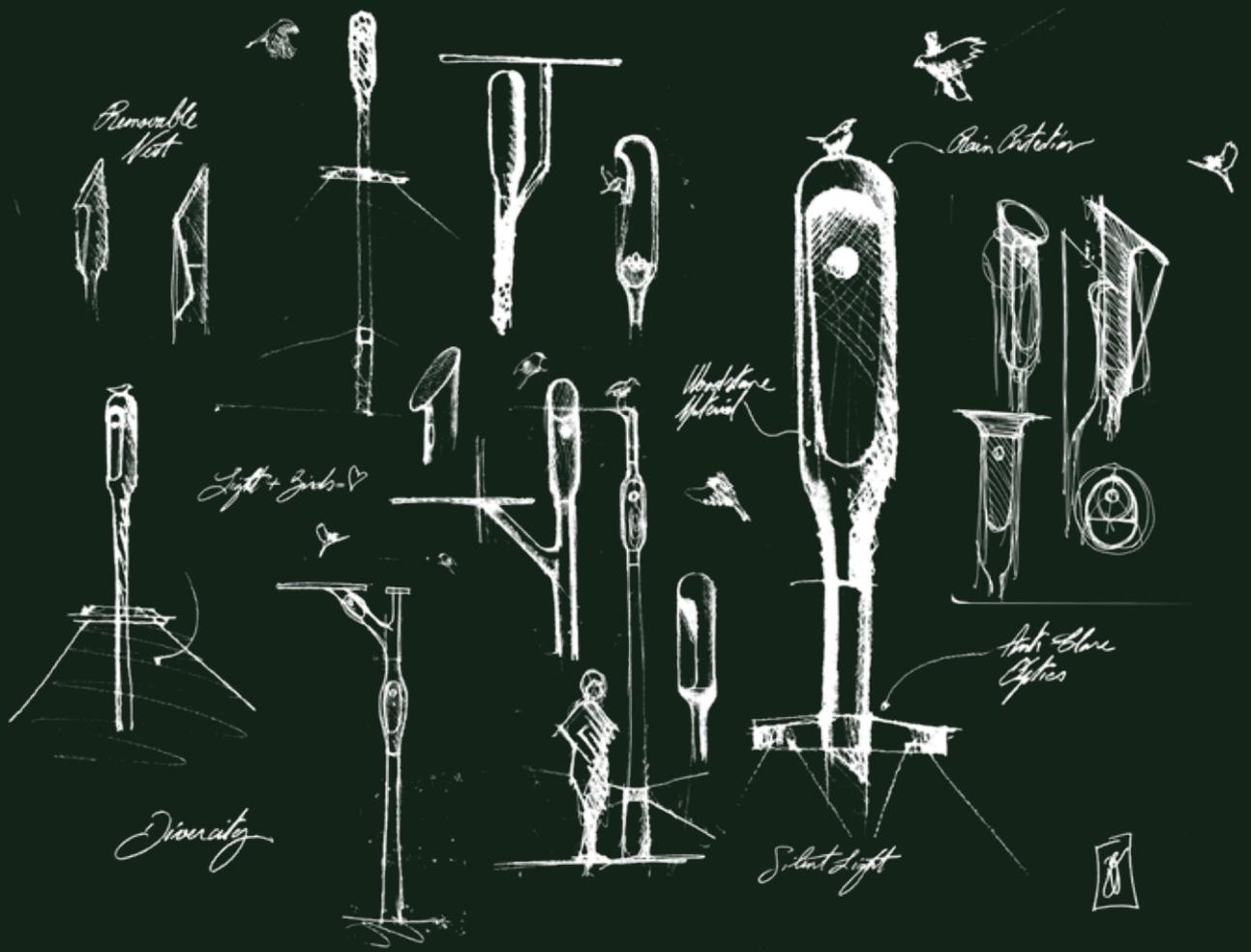
Davide Oppizzi
2021

Needoo is a new project that puts the environment first. Comprised of a bollard and three different poles, it offers perfectly controlled light that respects nature by illuminating only what is strictly necessary. Perched atop the pole there is a shelter for birds. The light head is positioned below the nest and consists of a plate which screens the light and forms a surface upon which small animals can rest.

It combines an approach that is mindful of the perceptive needs of humans and animals and that speaks of respecting and sharing spaces. Birds must be able to navigate their way using their natural reference points which are the night sky with the stars and the moon. The controlled light of Needoo does not interfere with this perception and does not dazzle them.

The carefully designed optics, their positioning, the quality of light and its control via integrated sensors help to ensure harmonious co-existence of humans and nature, respecting the circadian rhythms of each species and a positive energy balance.

The interaction between light, humans and nature is guided by smart programming that calibrate light intensity based on presence, employing a gradual progression that creates no unsettling contrasts.





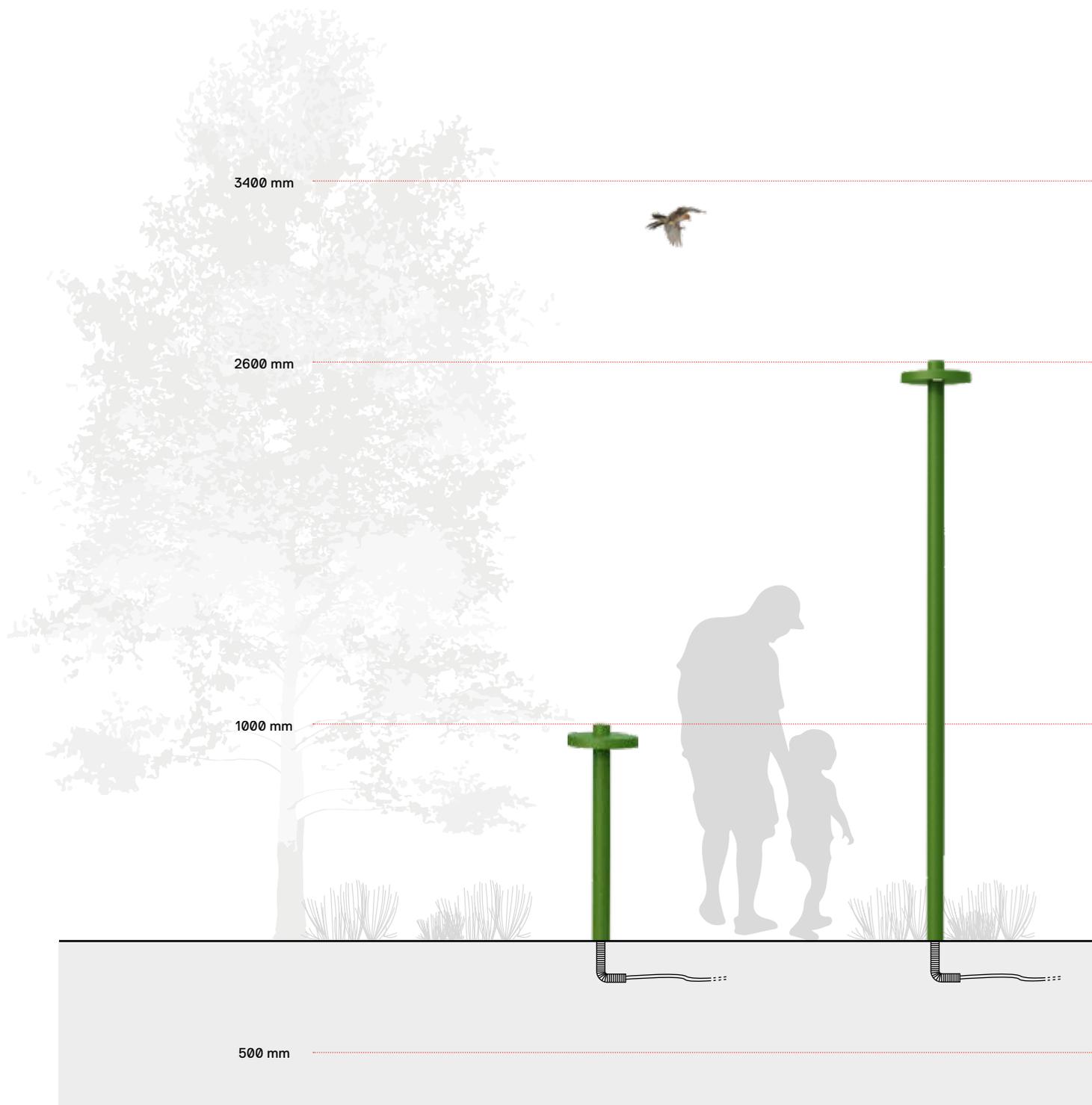
Needoo The silent light

"Needoo respects the alchemy of night and nature. It significantly reduces light pollution and the impact on flora and fauna so that it does not interfere with their photobiological cycle. It is a silent light that becomes an integral part of the delicate balance of biodiversity by supporting it."

Davide Oppizzi



Needoo



Needoo bollard

Needoo pole

Colors:

● Green

● Rust

Needoo Bollard

Ø 300 x 1000 mm

Total Power: 10W

IP65

Needoo Pole

Ø 300 x 2600 mm

Total Power: 10W

IP65

Needoo

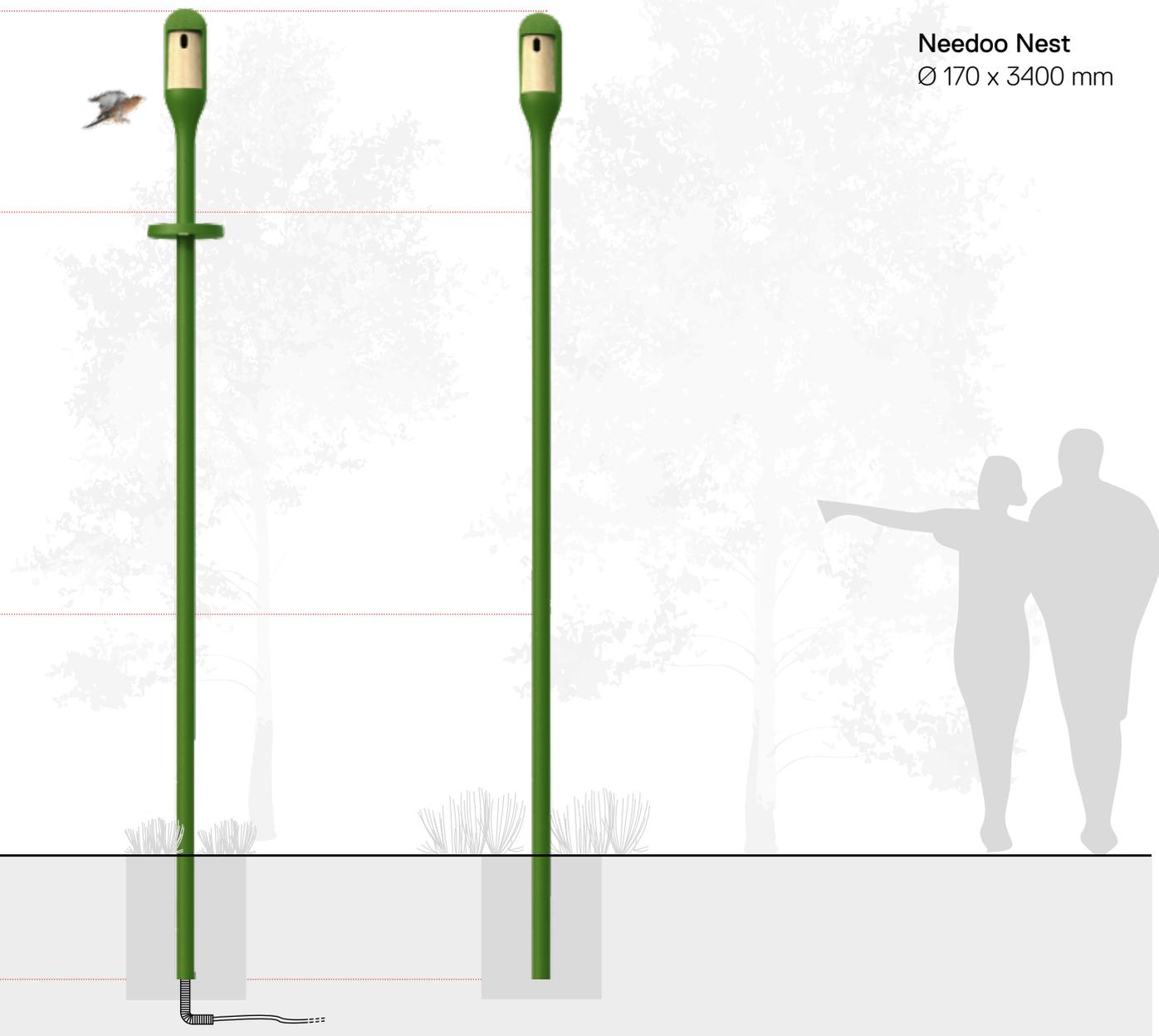
Ø 300 x 3400 mm

Total Power: 10W

IP65

Needoo Nest

Ø 170 x 3400 mm



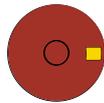
Needoo

Needoo Nest

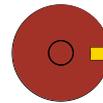
Different lighting performance



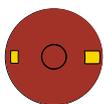
Single light emissions
Light Blade



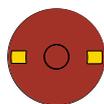
Single light emissions
Asymmetric



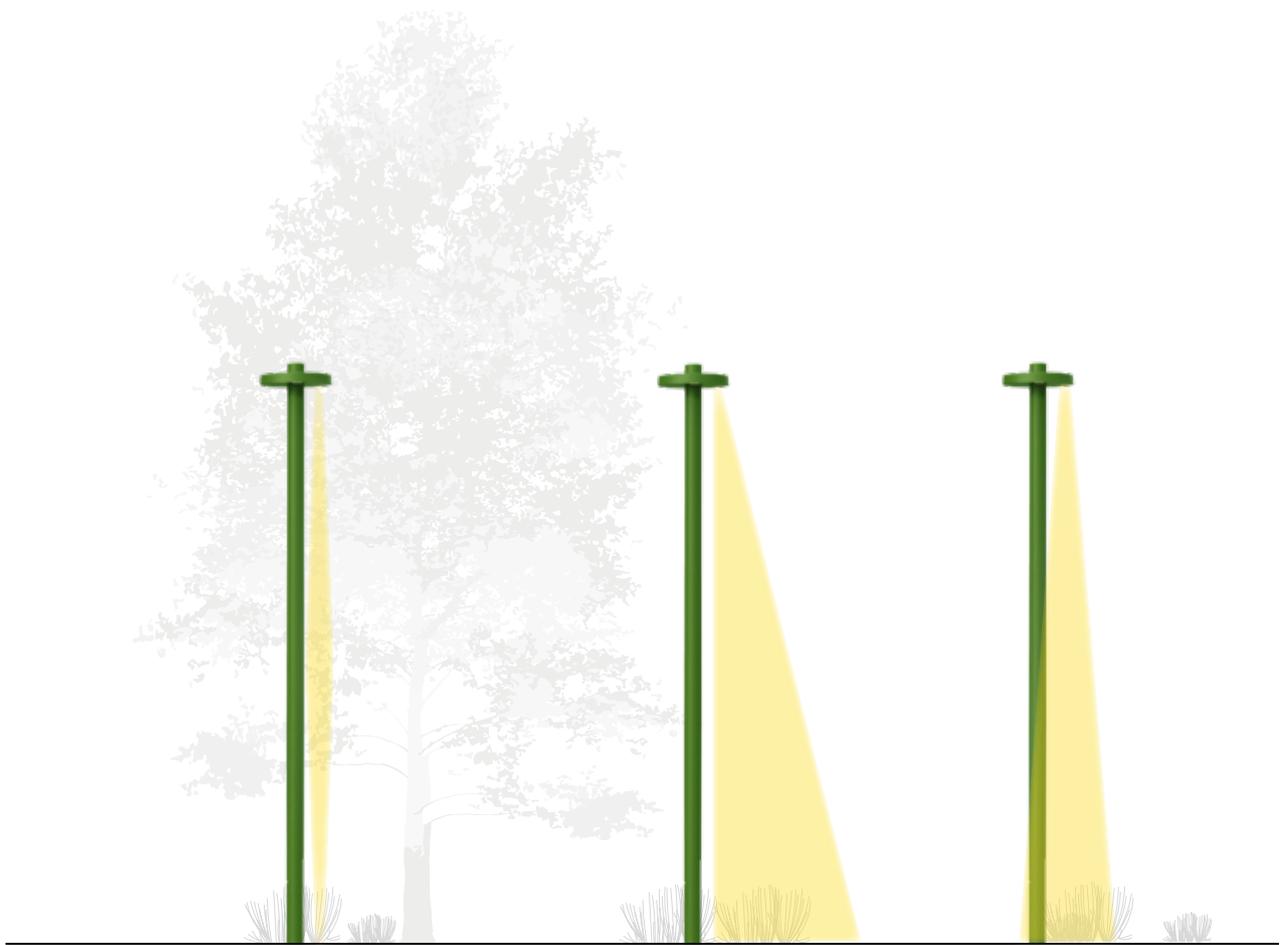
Single light emissions
Rotosymmetric



Double light emissions
Light Blade + Asymmetric



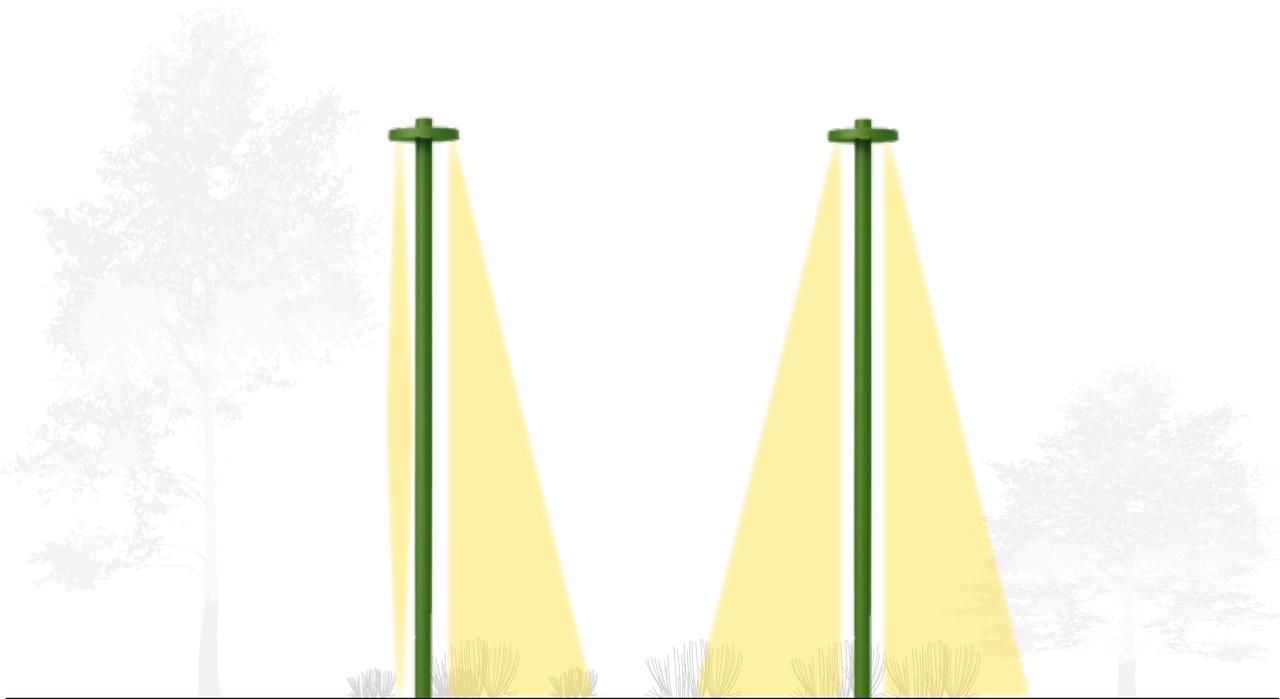
Double light emissions
Asymmetric + Asymmetric



Single light
Light Blade emission

Single light
Asymmetric emission

Single light
Rotosymmetric emission



Double light
Asymmetric + Light Blade
emission

Double light
Asymmetric emission



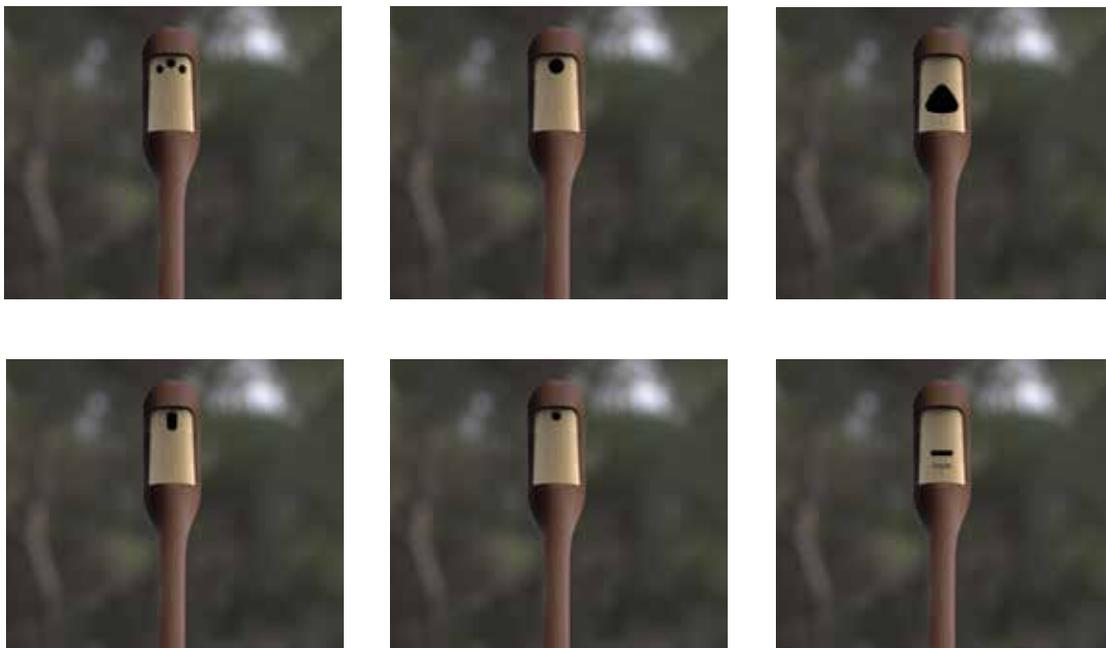


Needoo and Biodiversity

Needoo is not just an outdoor lighting system but above all a place ready to embrace biodiversity.

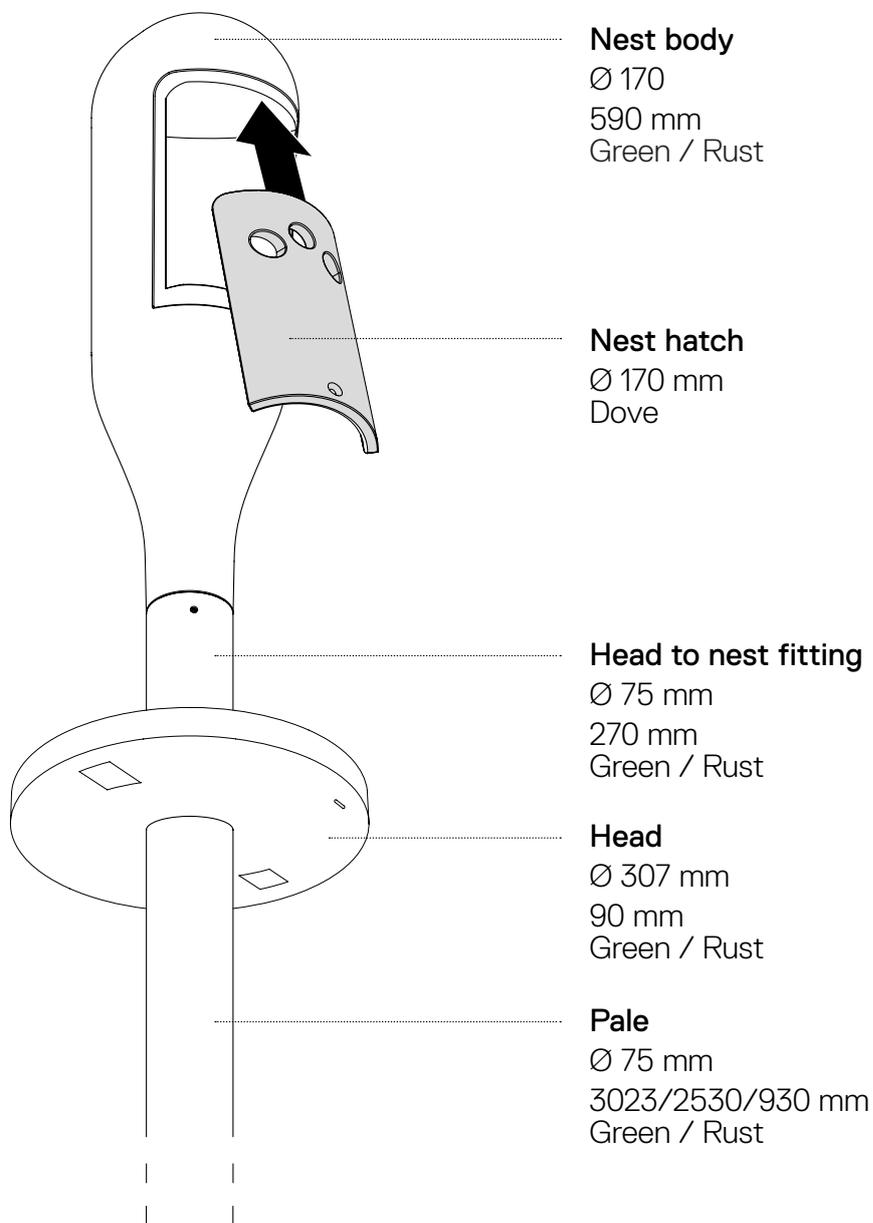
Needoo is the perfect system for helping animals in our contemporary spaces, offering suitable shelter in parks to help repopulate urban areas with different species, enriching our quality of life. As indicated by numerous studies, the lack of nesting spaces is one cause of the loss of biodiversity. Needoo aims to be a small but practical step, an action to help reverse this worrying trend.

Needoo project opened a collaboration with Birdlife Suisse on all aspects linked to the different species' behaviour.





Needoo structure composition



Nesting hatch holes



→ Ø 26 mm

Code T031700

Blue Tit
Marsh Tit
Coal Tit
Crested Tit
Common Redstart
Eurasian Nuthatch
Collared Flycatcher
European Pied Flycatcher
Eurasian Wryneck
House Sparrow
Eurasian Tree Sparrow
European greenfinch
Common Firecrest
Common Chiffchaff
European Serin
Common Chaffinch
Eurasian Blackcap
European Goldfinch
Eurasian Bullfinch



→ Ø 32 mm

Code T031710

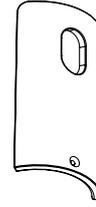
Common Starling
Great Spotted Woodpecker
Middle Spotted Woodpecker
Collared Flycatcher
Song Thrush
Great Tit
Coal Tit
Crested Tit
Eurasian Wryneck
Song Thrush
Eurasian Nuthatch
European Greenfinch
Marsh Tit
Common Chiffchaff
European Serin
Common Chaffinch
Eurasian Blackcap
Red-backed Shrike
European Goldfinch



→ Ø 45 mm

Code T031720

Common Starling
Great Spotted Woodpecker
Middle Spotted Woodpecker
Collared Flycatcher
European Pied Flycatcher
Song Thrush
Great Tit
Coal Tit
Crested Tit
Eurasian Wryneck
Eurasian Nuthatch
European Greenfinch
Marsh Tit
Common Chiffchaff
European Serin
Common Chaffinch
Eurasian Blackcap
Red-backed Shrike
European Goldfinch



→ Ø 55x29 mm

Code T031730

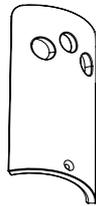
Blue Tit
Marsh Tit
Coal Tit
Crested Tit
Common Redstart
Eurasian Nuthatch
Collared Flycatcher
European Pied Flycatcher
Eurasian Blackcap
House Sparrow
Eurasian Tree Sparrow
European Greenfinch
Common Firecrest
Common Chiffchaff
European Serin
Common Chaffinch
European Goldfinch
Eurasian Bullfinch



→ Ø 84x93 mm

Code T031750

White Wagtail
European Pied Flycatcher
Black Redstart
Northern Wren
European Robin
Song Thrush



→ 3 holes Ø 26 mm

Code T031740

Blue Tit
Marsh Tit
Coal Tit
Crested Tit



→ For bats

Code T031760

Soprano Pipistrelle





Rust Green
 00. 10.

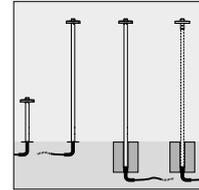
** Only on demand

CRI = 90
 * CRI = 80

IP65

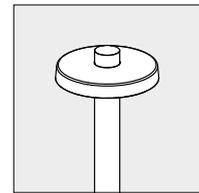
POLE

Height	Color	Code
900 mm	● ●	T0310.00/10
2500 mm	● ●	T0311.00/10
3000 mm	● ●	T0312.00/10
3300 mm	● ●	T0313.00/10



HEAD

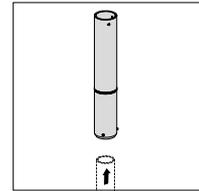
SINGLE LIGHT EMISSION					Code
	W	Flux	CCT	Color	
Light Blade*	4 W	23 lm	3000K	● ●	T0304.00/10
Asymmetric	11 W	443 lm	3000K	● ●	T0301.00/10
Rotosymmetric	11 W	328 lm	3000K	● ●	T0300.00/10



DOUBLE LIGHT EMISSION					Code
	W	Flux	CCT	Color	
Light Blade* + Asymmetric	13 W	466 lm	3000K	● ●	T0303.00/10
Asymmetric + Asymmetric	21 W	886 lm	3000K	● ●	T0302.00/10

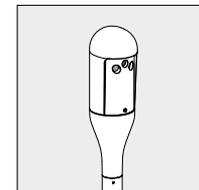
HEAD TO NEST FITTING **

Color	Code
● ●	T031920
● ●	T031930



NEST BODY **

Color	Code
● ●	T0314.00/10



Rust Green Dove



** Only on demand

CRI = 90

IP65



NESTING HATCH **

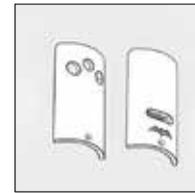
NESTING HATCH HOLE

	Color	Code
Ø 26	●	T031700
Ø 32	●	T031710
Ø 45	●	T031720
Ø 55x29 mm	●	T031730
Ø 84x93 mm	●	T031750



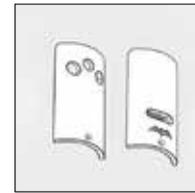
NESTING 3 HOLES

	Color	Code
Ø 26	●	T031740



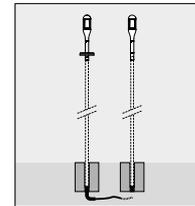
HATCH FOR BATS

	Color	Code
	●	T031760



REDUCTION FOR INSTALLATION ON COMMERCIAL POLE Ø 60 mm

	Color	Code
For head	● ●	T0318.00/10
For nest	● ●	T0319.00/10







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