



# Needoo

Davide Oppizzi

**Artemide**<sup>®</sup>

# Author

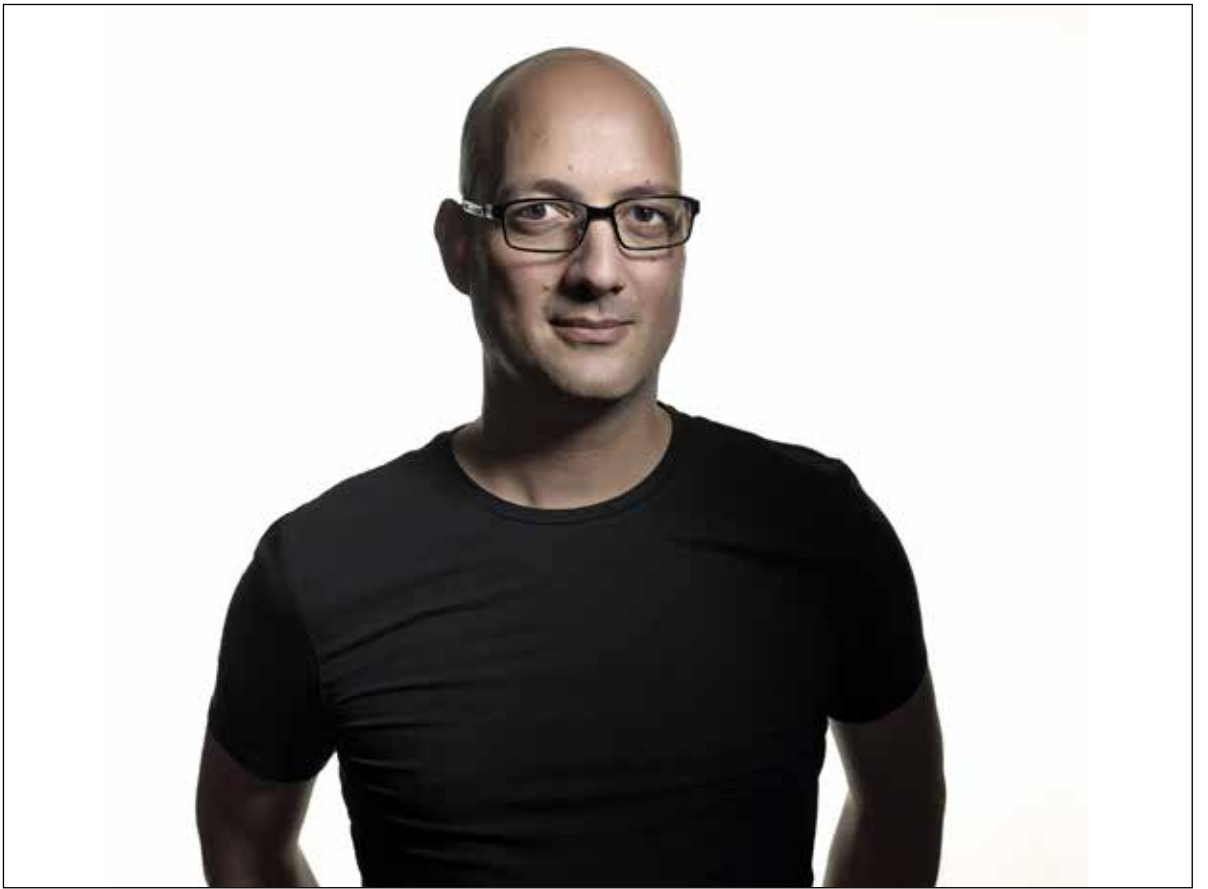
## Davide Oppizzi

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

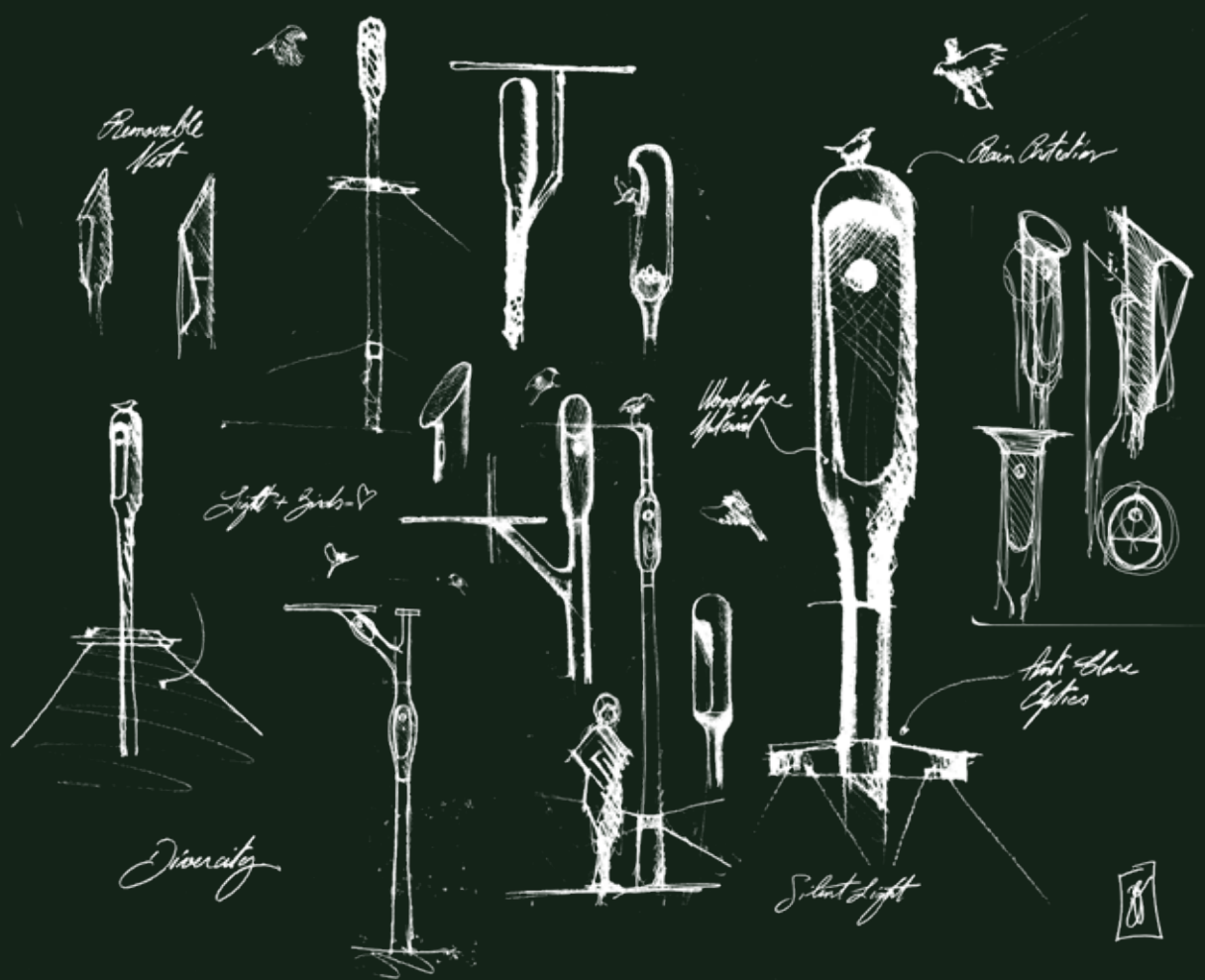
Davide Oppizzi  
2021

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.



Removable Nest

Plain Protector

Wooden Stand

Light + Grids

Anti-Blare Optics

Diversity

Silent Light



A landscape photograph at dusk or dawn. In the foreground, a gravel path curves through a grassy area. Three low-profile, cylindrical ground lights are spaced along the path, casting a soft, warm glow. The background features a line of trees and a sky with a gradient of colors from blue to orange, suggesting the time is either early morning or late evening.

# 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

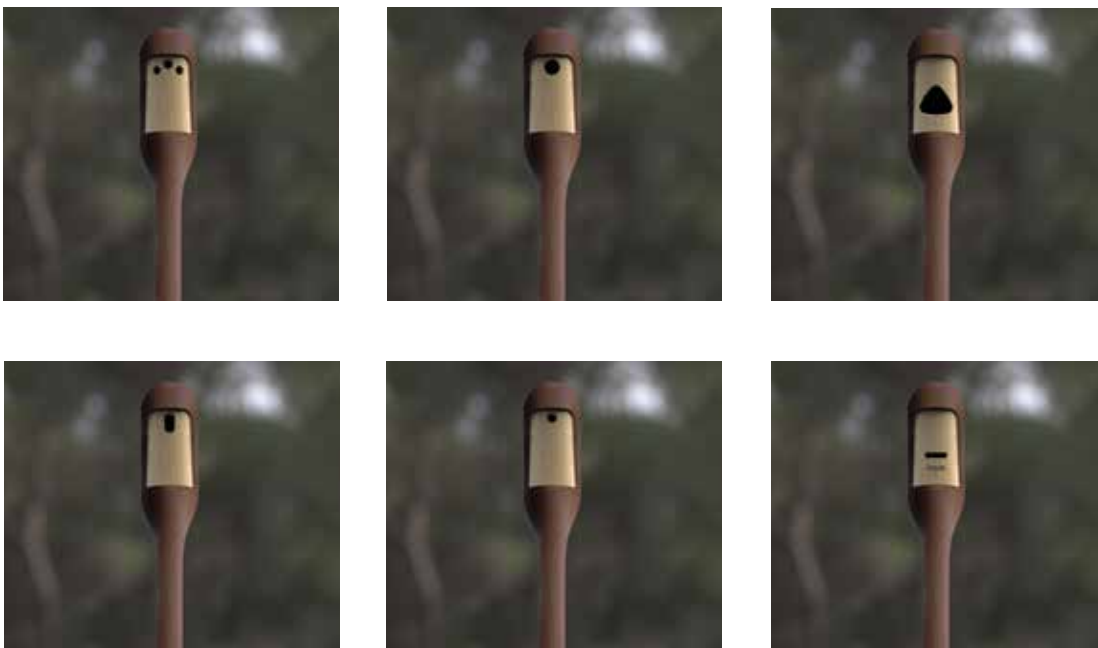


# Needoo and Biodiversity

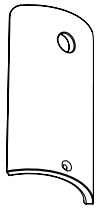
Needoo is not just an outdoor lighting system but above all a place ready to embrace biodiversity.

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.



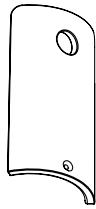
# Nesting hatch holes



→ Ø 26 mm

Code T031700

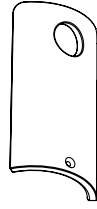
Blue Tit  
Marsh Tit  
Coal Tit  
Crested Tit  
Common Redstart  
Eurasian Nuthatch  
Collared Flycatcher  
European Pied Flycatcher  
Eurasian Wryneck  
House Sparrow  
Eurasian Tree Sparrow  
European greenfinch  
Common Firecrest  
Common Chiffchaff  
European Serin  
Common Chaffinch  
Eurasian Blackcap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



→ Ø 32 mm

Code T031710

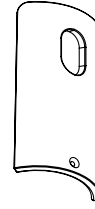
Common Starling  
Great Spotted Woodpecker  
Middle Spotted Woodpecker  
Collared Flycatcher  
Song Thrush  
Great Tit  
Coal Tit  
Crested Tit  
Eurasian Wryneck  
Song Thrush  
Eurasian Nuthatch  
European Greenfinch  
Marsh Tit  
Common Chiffchaff  
European Serin  
Common Chaffinch  
Eurasian Blackcap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



→ Ø 45 mm

Code T031720

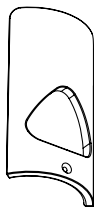
Common Starling  
Great Spotted Woodpecker  
Middle Spotted Woodpecker  
Collared Flycatcher  
European Pied Flycatcher  
Song Thrush  
Great Tit  
Coal Tit  
Crested Tit  
Eurasian Wryneck  
Eurasian Nuthatch  
European Greenfinch  
Marsh Tit  
Common Chiffchaff  
European Serin  
Common Chaffinch 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



→ Ø 55x29 mm

Code T031730

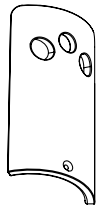
Blue Tit  
Marsh Tit  
Coal Tit  
Crested Tit  
Common Redstart  
Eurasian Nuthatch  
Collared Flycatcher  
European Pied Flycatcher  
Eurasian Blackcap  
House Sparrow  
Eurasian Tree Sparrow  
European Greenfinch  
Common Firecrest  
Common Chiffchaff  
European Serin  
Common Chaffinch  
European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

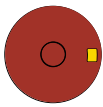


→ For bats

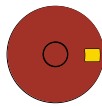
Code T031760

Soprano Pipistrelle

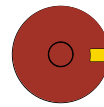
# Head different lighting performance



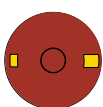
Single light emissions  
Light Blade



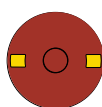
Single light emissions  
Asymmetric



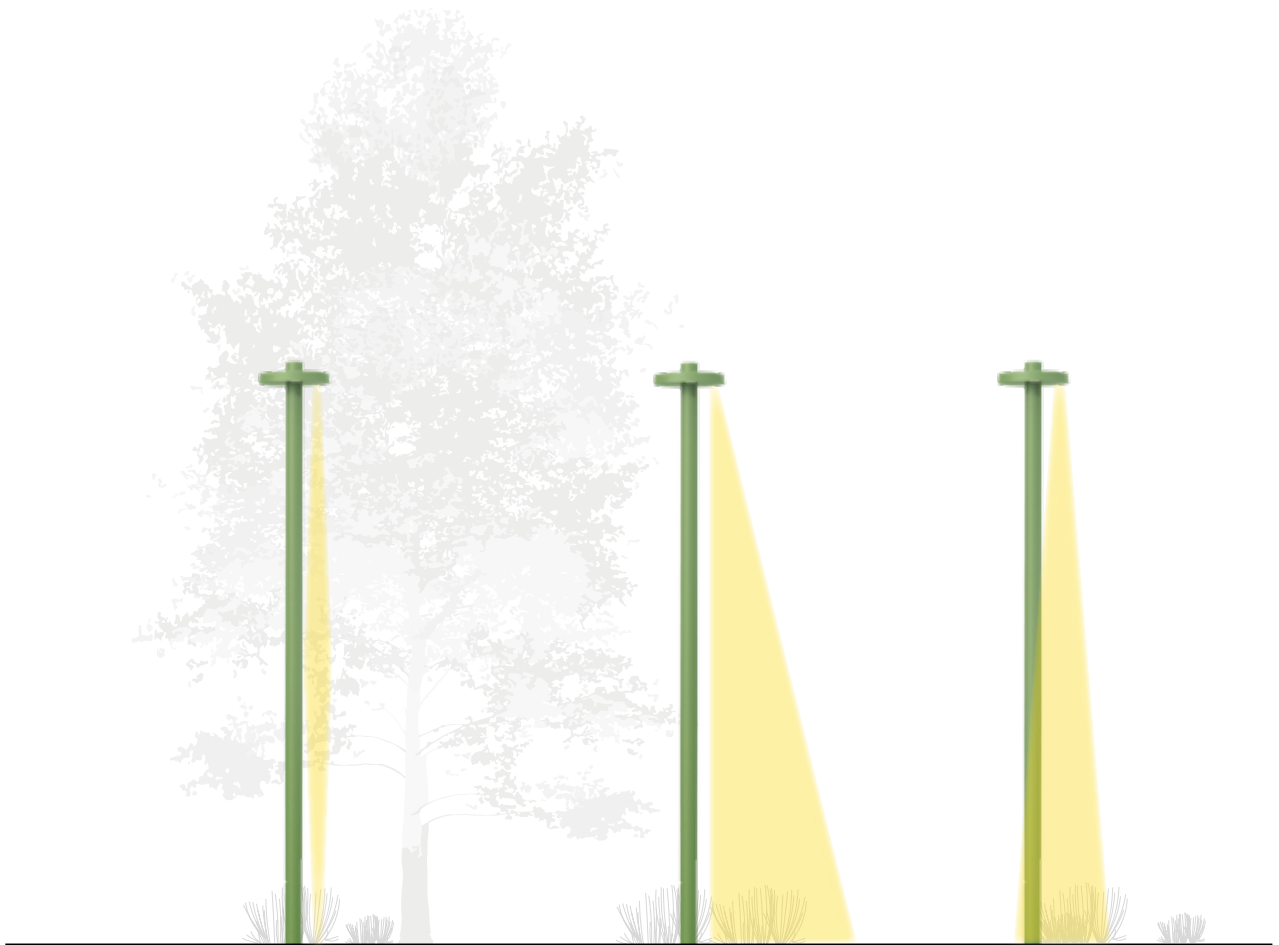
Single light emissions  
Rotosymmetric



Double light emissions  
Light Blade + Asymmetric



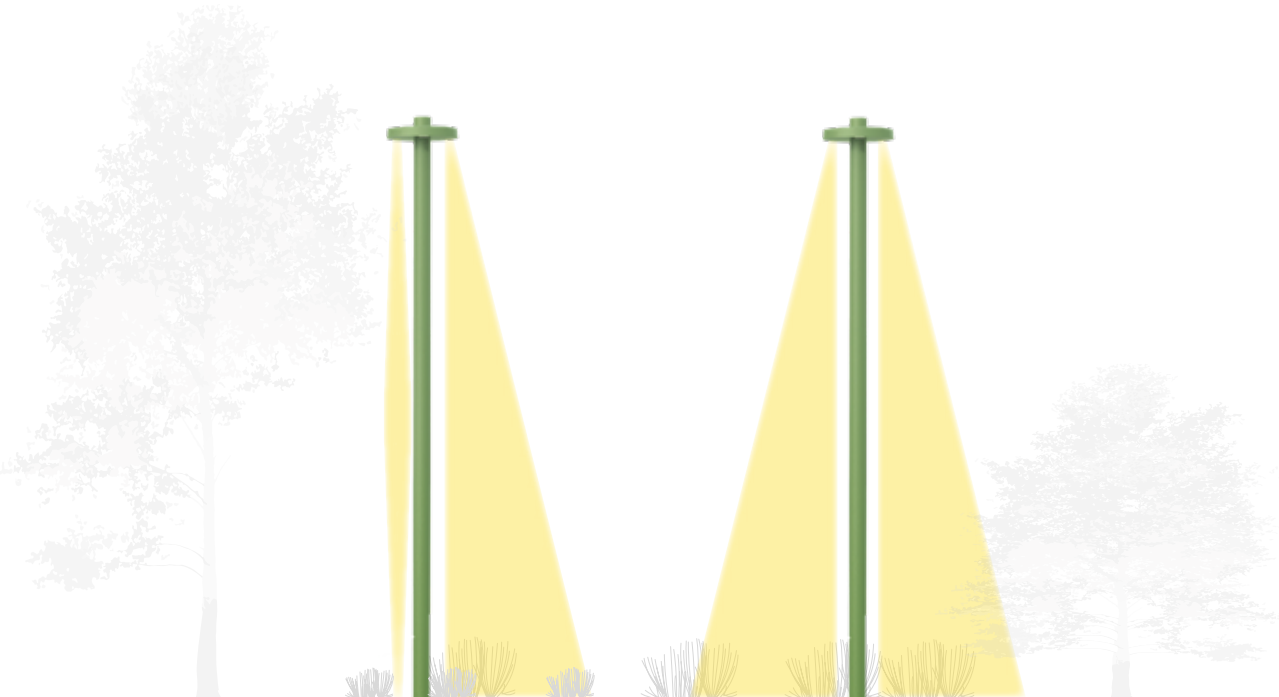
Double light emissions  
Asymmetric + Asymmetric



Single light  
Light Blade emission

Single light  
Asymmetric emission

Single light  
Rotosymmetric emission



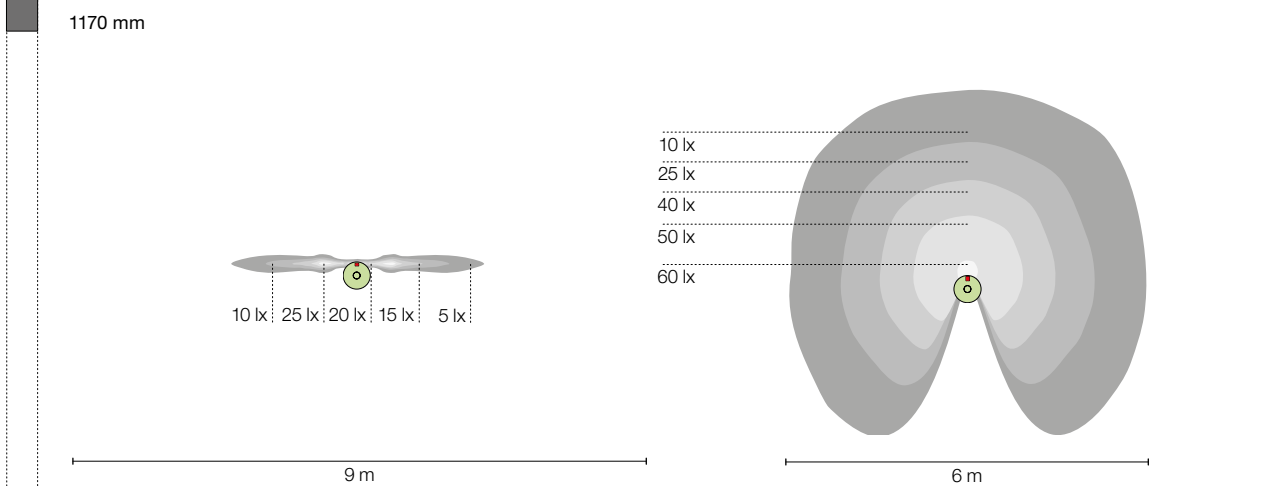
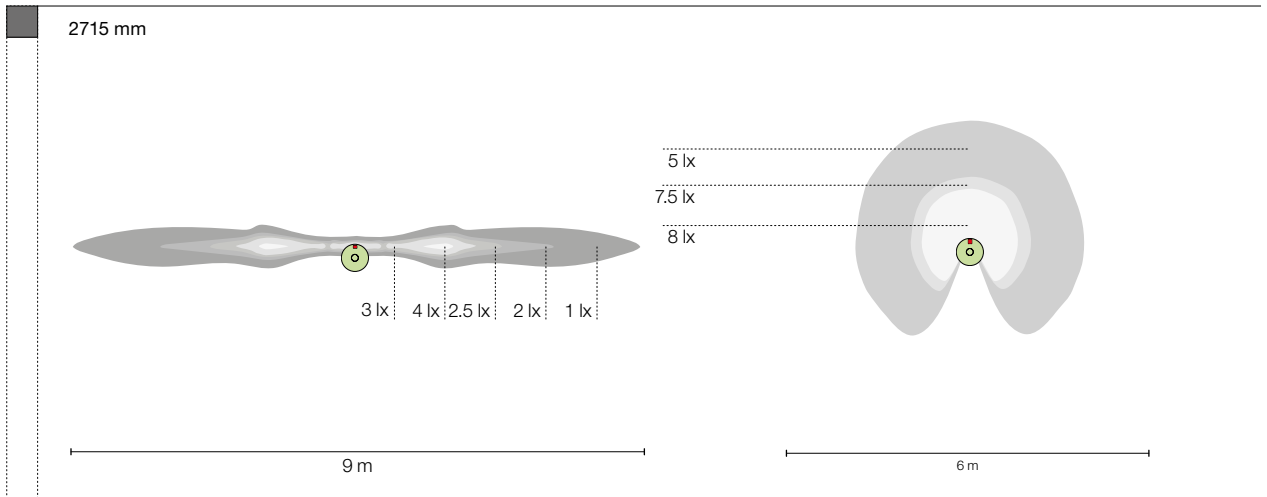
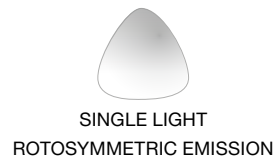
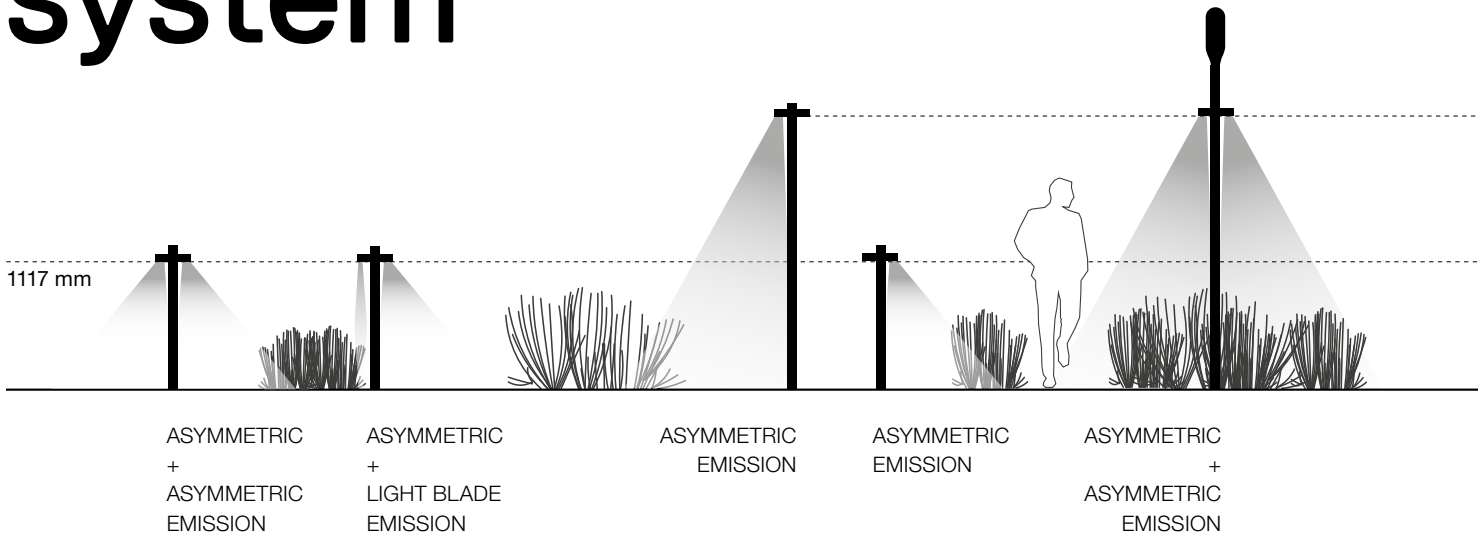
Double light  
Asymmetric + Light Blade  
emission

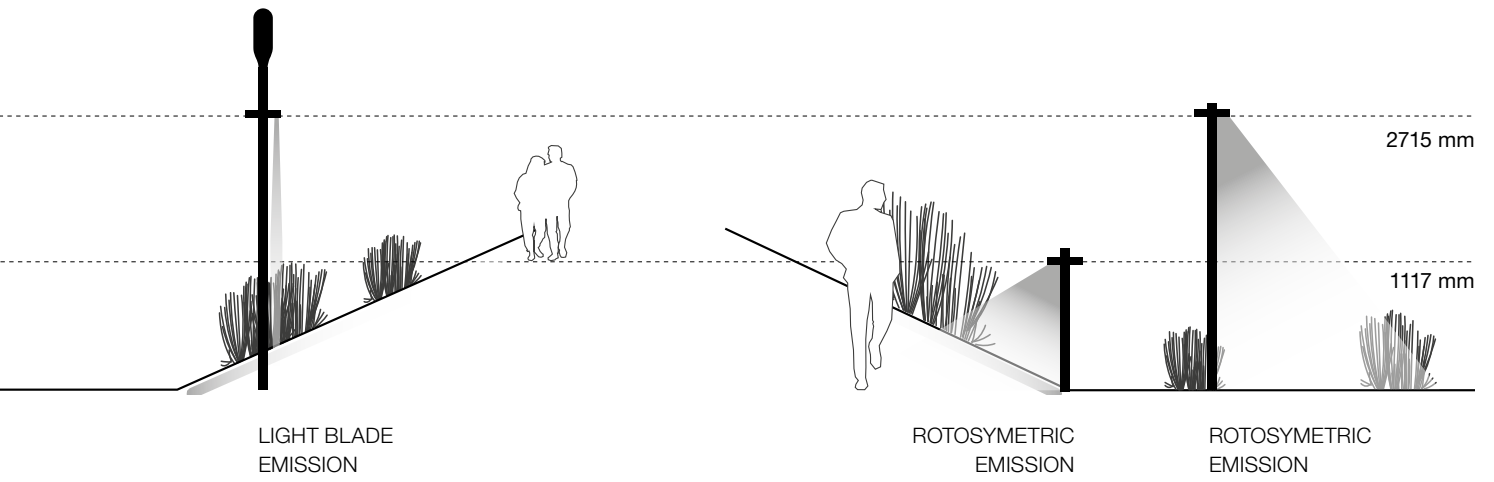
Double light  
Asymmetric emission





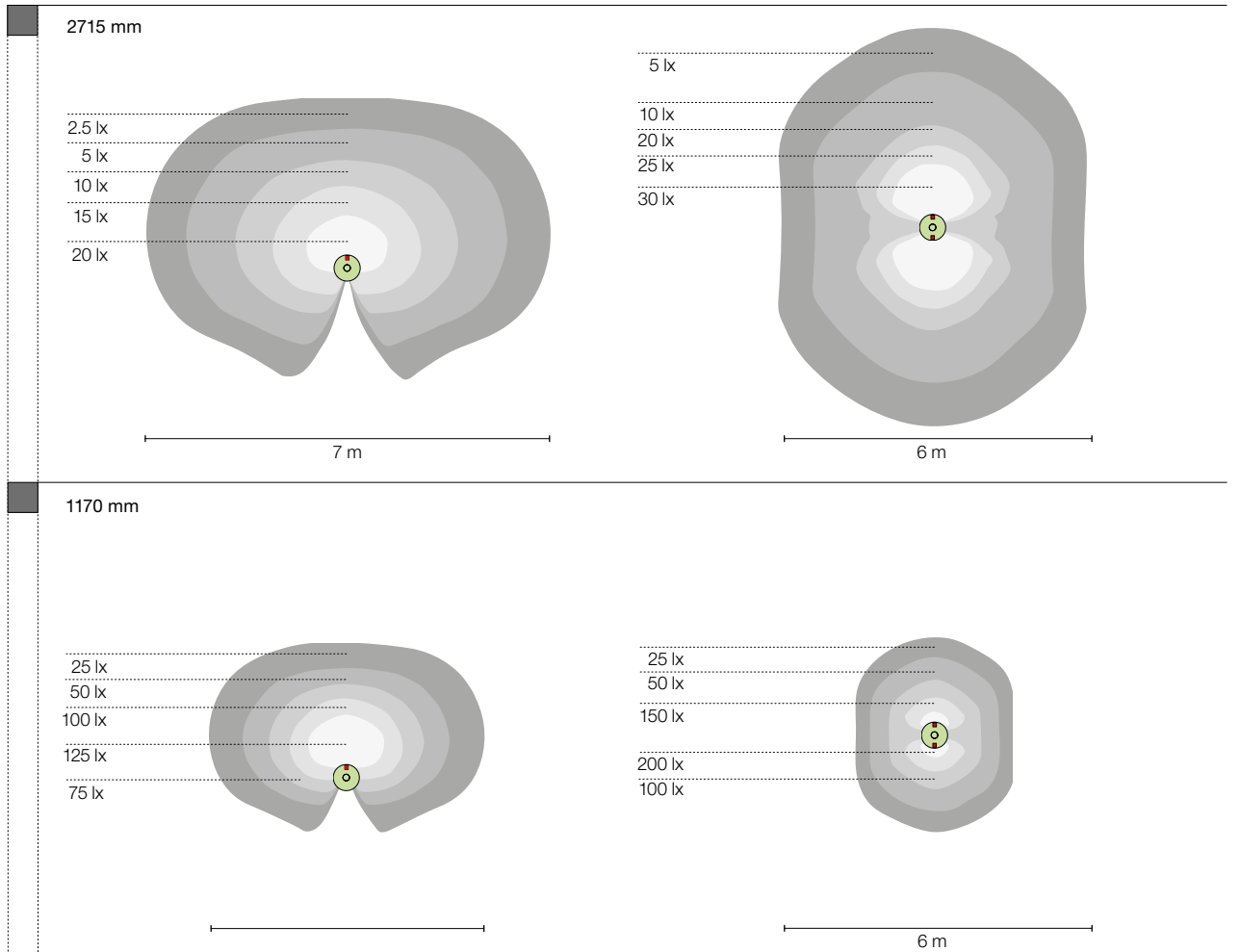
# Needoo optical system





SINGLE LIGHT  
ASYMMETRIC EMISSION

DOUBLE LIGHT  
ASYMMETRIC EMISSION



# Needoo pole compatibility of components

3400 mm

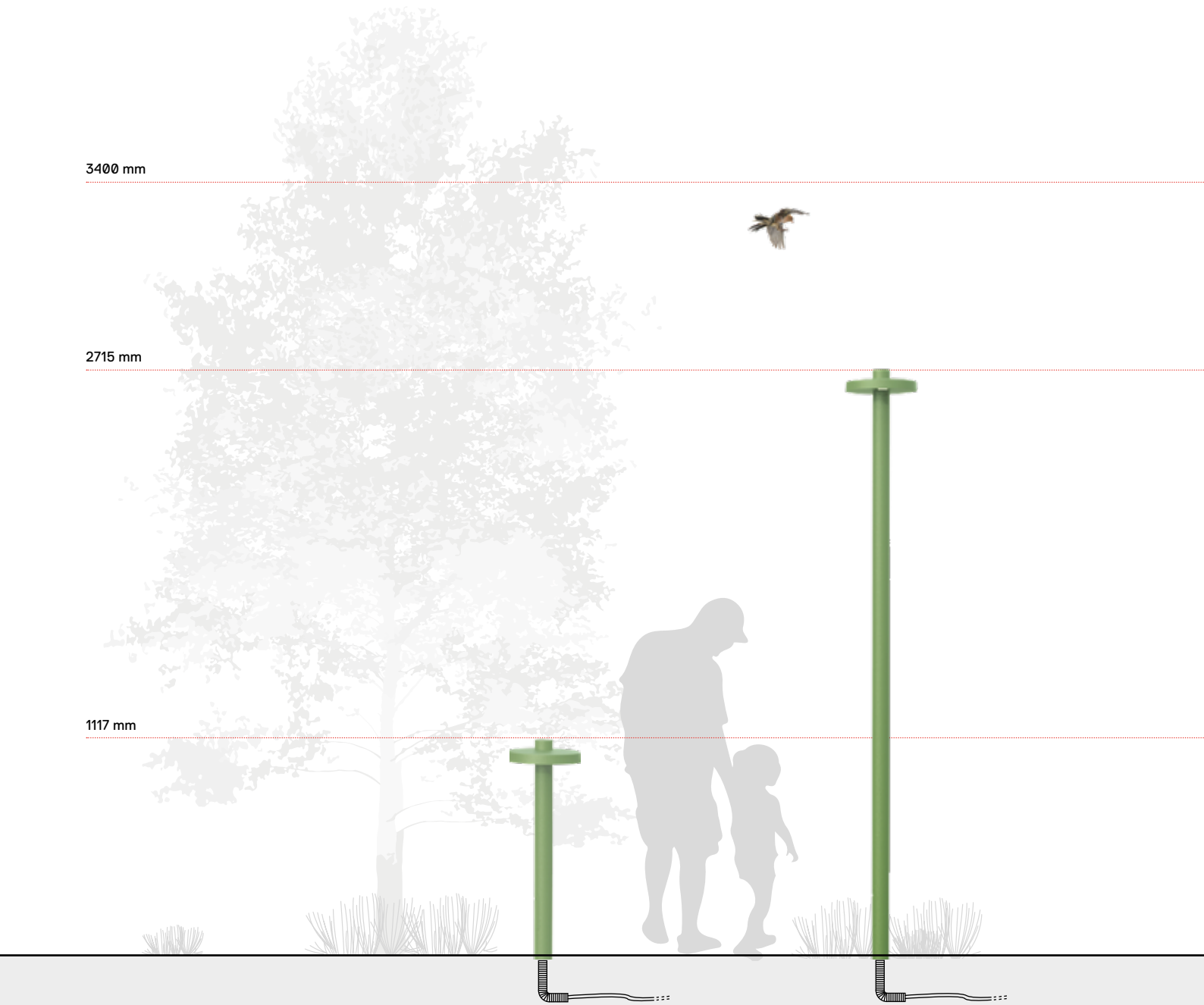
2715 mm

1117 mm

500 mm

Needoo pole 900

Needoo pole 2500



**Colors:**

● Green

● Rust

**Needoo pole 900<sup>1</sup>**

Ø 75 x 900 mm

Use with:

Head

**Needoo pole 2500<sup>1</sup>**

Ø 75 x 2500 mm

Use with:

Head

**Needoo pole 3000<sup>2</sup>**

Ø 75 x 3000 mm

Use with:

Head

Head to nest fitting

Nest

**Needoo pole 3300<sup>2</sup>**

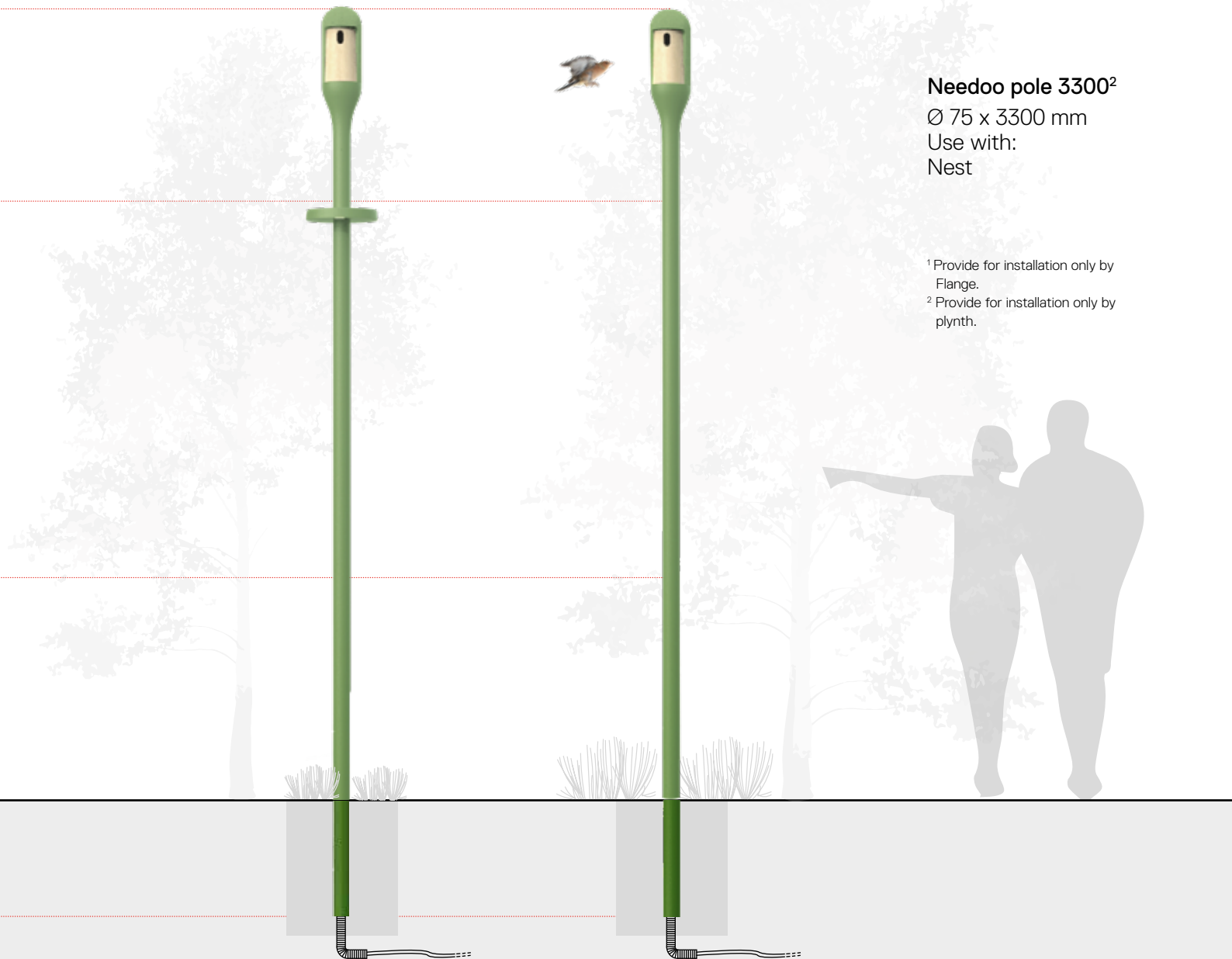
Ø 75 x 3300 mm

Use with:

Nest

<sup>1</sup> Provide for installation only by Flange.

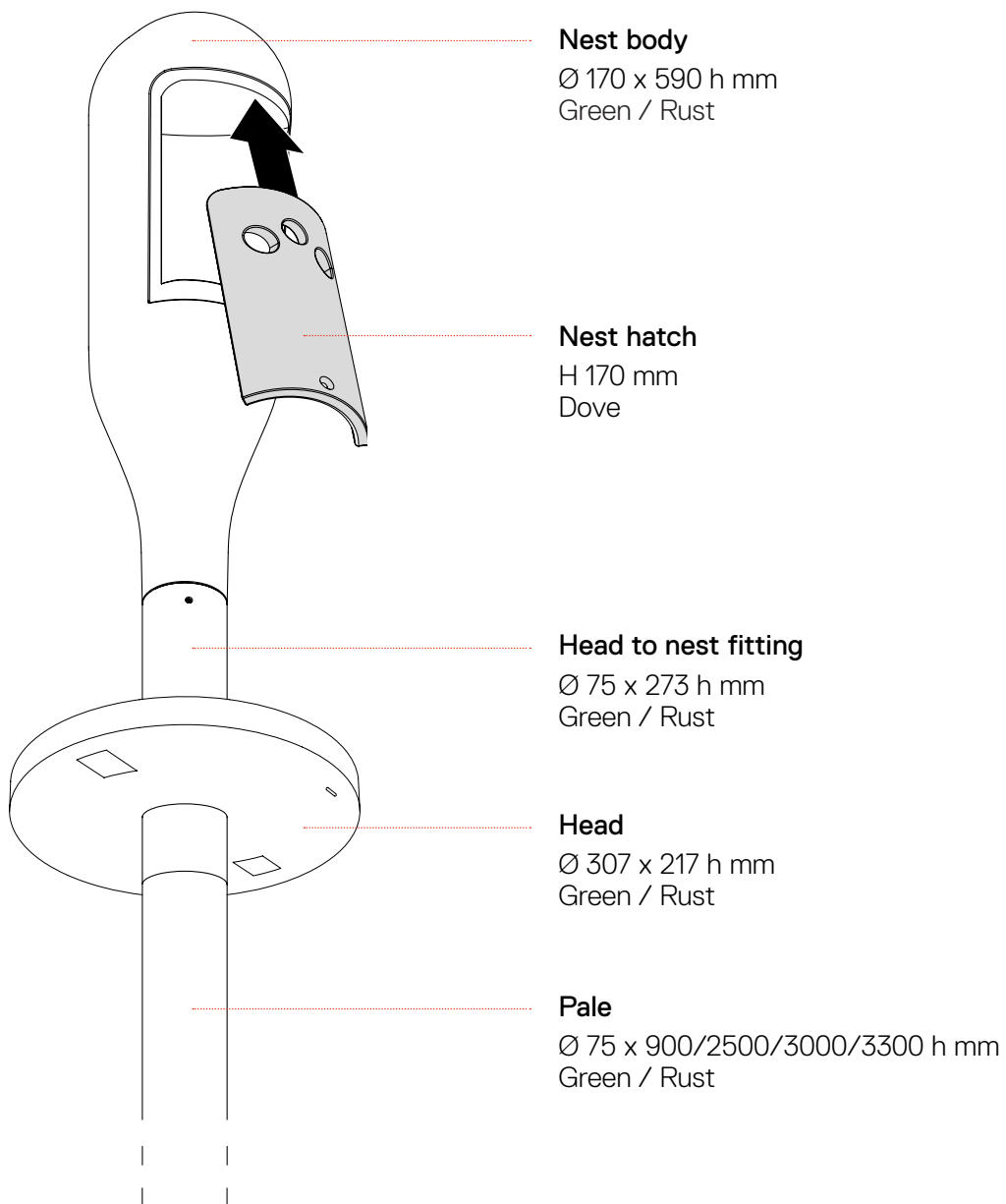
<sup>2</sup> Provide for installation only by plynth.



Needoo pole 3000

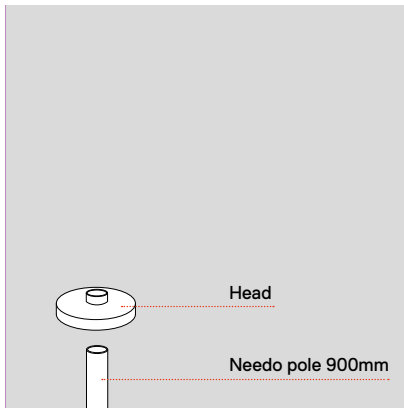
Needoo pole 3300

# Needoo structure

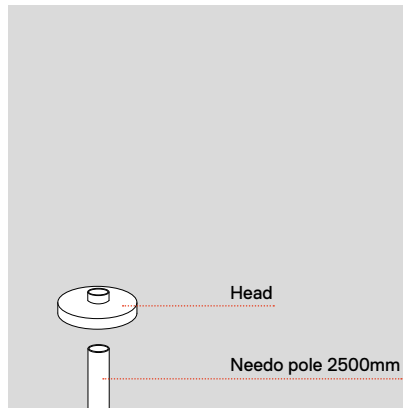


# Needoo composition

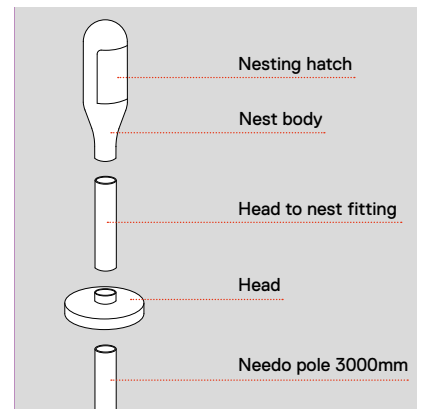
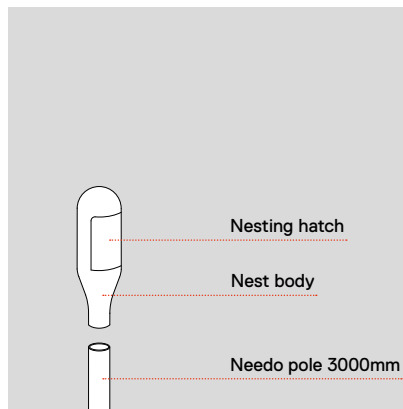
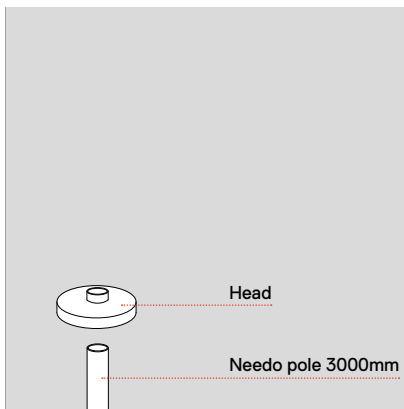
NEEDOO POLE 900 mm



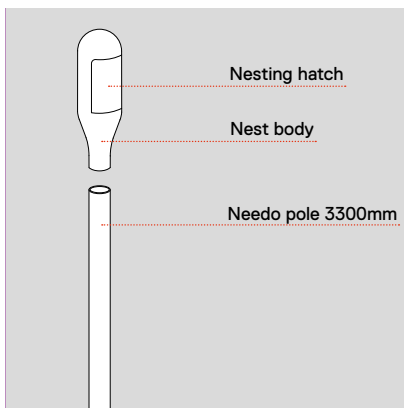
NEEDOO POLE 2500 mm



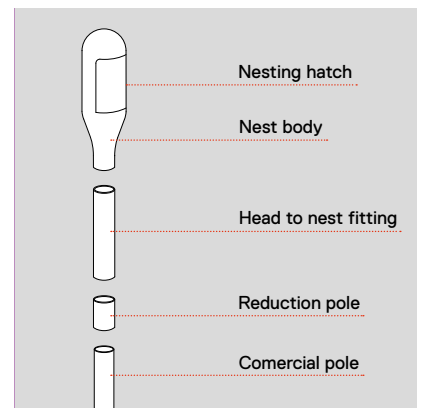
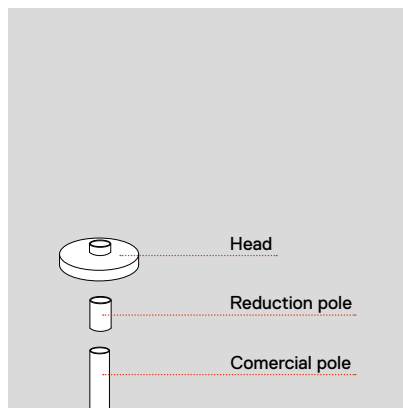
NEEDOO POLE 3000 mm



NEEDOO POLE 3300 mm



COMMERCIAL POLE Ø 60







# NEEDOO

Rust Green



00.



10.

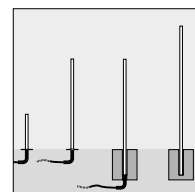
MacAdam 2SDCM  
Life L70 (24K) 145000h  
CRI 90

IP65

\* MacAdam 3SDCM  
\* Life L70 (9K) 50000h  
\* CRI 80

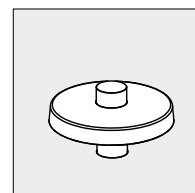
## POLE

Height	Installation	Color	Code
900 mm	Flange		<b>T0310.00/10</b>
2500 mm	Flange		<b>T0311.00/10</b>
3000 mm	Plynth		<b>T0312.00/10</b>
3300 mm	Plynth		<b>T0313.00/10</b>



## HEAD

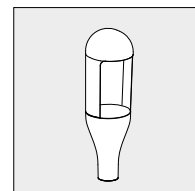
SINGLE LIGHT EMISSION					Code
	W	Flux	CCT	Color	
Light Blade*	4 W	23 lm	3000K		<b>T0304.00/10</b>
Asymmetric	11 W	455 lm	3000K		<b>T0301.00/10</b>
Rotosymmetric	11 W	337 lm	3000K		<b>T0300.00/10</b>



DOUBLE LIGHT EMISSION					Code
	W	Flux	CCT	Color	
Light Blade* + Asymmetric	13 W	478 lm	3000K		<b>T0303.00/10</b>
Asymmetric + Asymmetric	21 W	910 lm	3000K		<b>T0302.00/10</b>

## NEST BODY

Color	Code
Use only poles for plynths	<b>T0314.00/10</b>



## NESTING HATCH

NESTING HATCH 1 HOLE		Code
	Color Dove	
Ø 26		<b>T031700</b>
Ø 32		<b>T031710</b>
Ø 45		<b>T031720</b>
Ø 55x29 mm		<b>T031730</b>
Ø 84x93 mm		<b>T031750</b>



NESTING HATCH 3 HOLES		Code
	Color Dove	
Ø 26		<b>T031740</b>

NESTING HATCH FOR BATS		Code
	Color Dove	
		<b>T031760</b>

# NEEDOO

Rust Green



00.




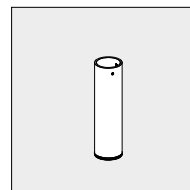
10.

IP65



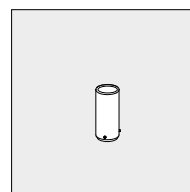
## HEAD TO NEST FITTING

	Color	Code
	 	<b>T0320.00/10</b>



## REDUCTION POLE FOR INSTALLATION ON COMMERCIAL POLE Ø 60 mm

	Color	Code
For head	 	<b>T0318.00/10</b>
For nest body	 	<b>T0319.00/10</b>







## Headquarters

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2025

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