NERI

Nebula | 2020

A nebula is a truly wondrous thing to behold. Nebulae are places where new stars are born.

In collaboration with
Skidmore, Owings
& Merrill architects

Skidmore, Owings & Merrill

Skidmore, Owings, and Merrill are three names hardly unrecognizable. Still one of America's largest architecture practices and pioneers of the modern skyscraper. They made the history of American architecture as we know it.

Skidmore, Owings & Merrill (SOM) is a global architectural, urban planning, and engineering firm. It was founded in Chicago in 1936 by Louis Skidmore and Nathaniel Owings; in 1939 they were joined by engineer John O. Merrill. The firm opened its second office in New York City in 1937, and has since expanded all over the world, with offices in San Francisco (1937), Los Angeles, Washington, D.C., London, Hong Kong, Shanghai, Mumbai and Dubai.

With a portfolio spanning thousands of projects across 50 countries, SOM is one of the most significant architectural firms in the world.

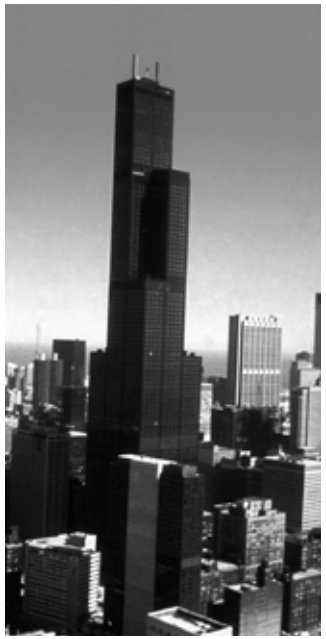
Masters of architecture

1952
Lever House
New York

1961
One Chase
Manhattan Plaza
New York

1962
Cadet Chapel
Colorado Springs
Colorado

1969
John Hancock Center
Chicago



1973
The Willis Tower
Chicago

1999
Jin Mao Tower
Shanghai

2009
Burj Khalifa
Dubai

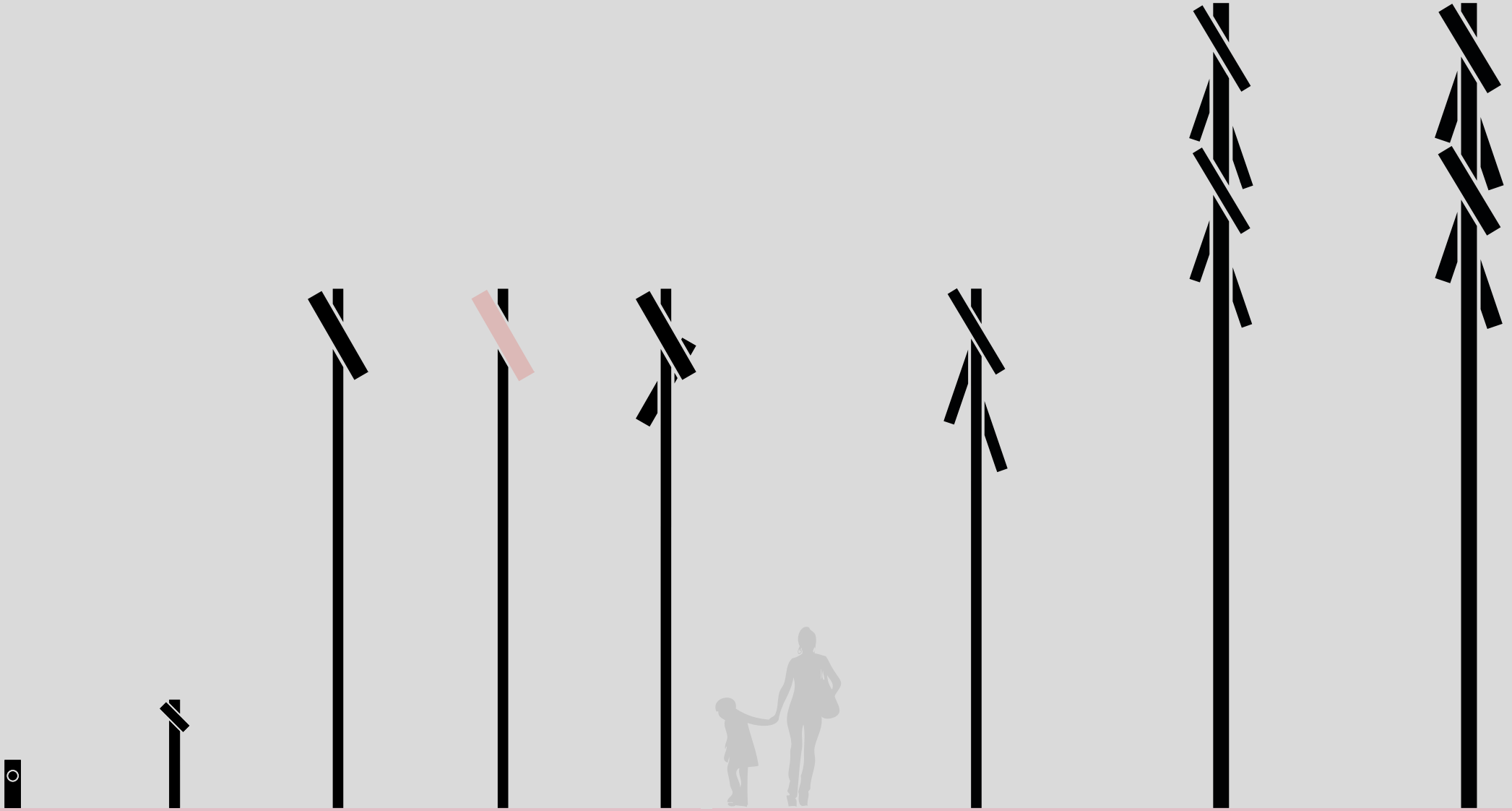
Nebula
collection

The collection

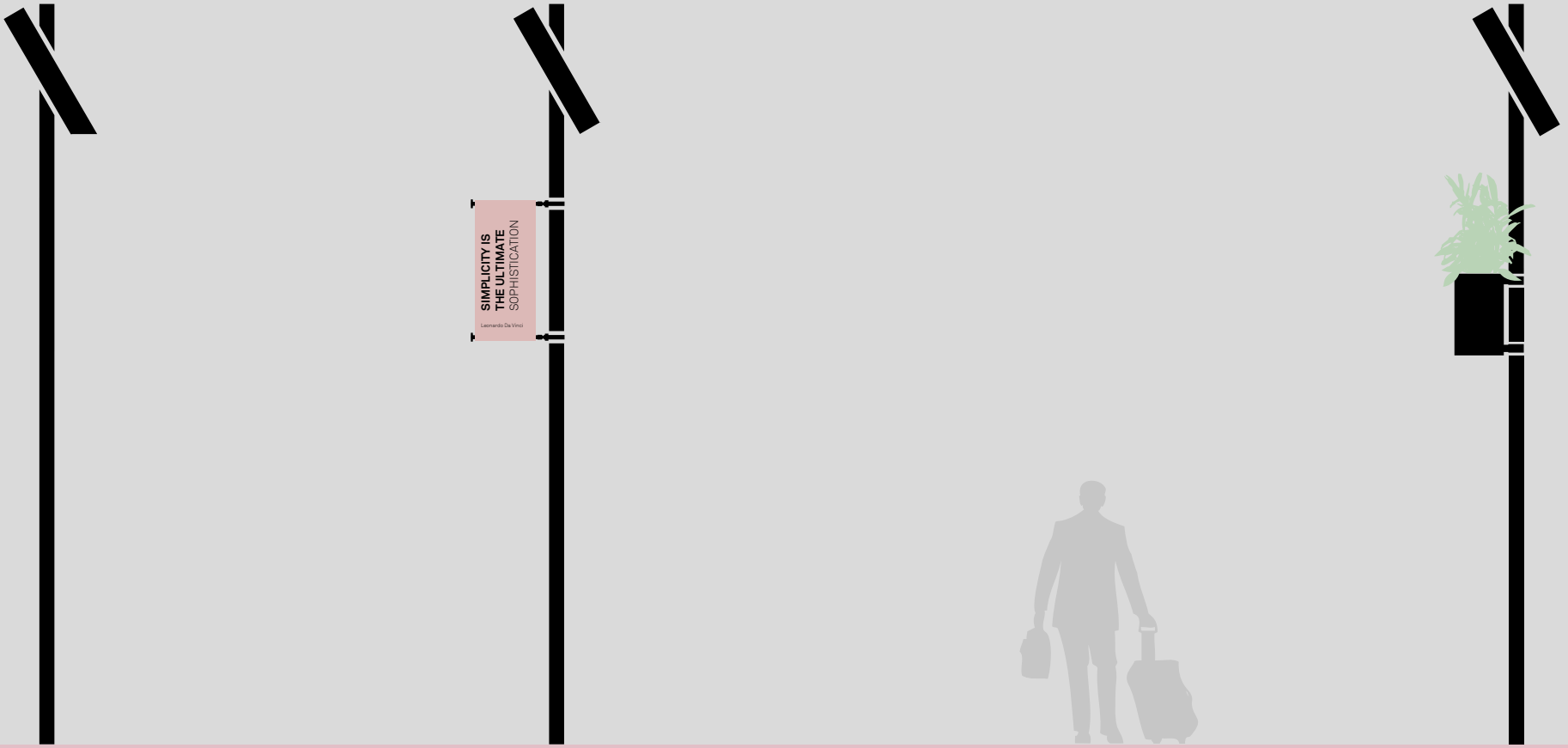
The collection is composed of:
- pathlight
- illuminating bollard
- lighting system

The latter features three luminaire head types and
two poles of four different heights.

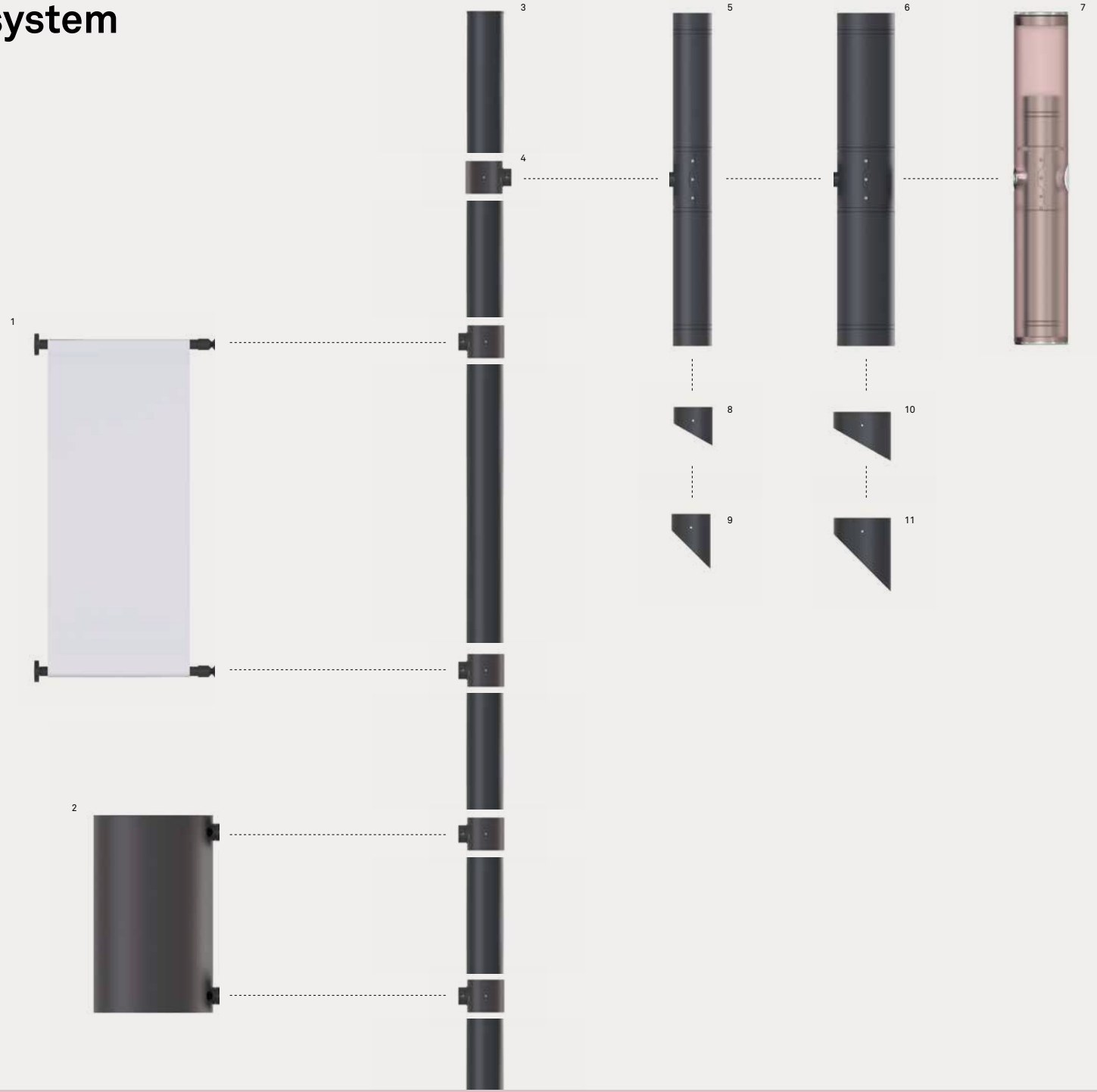
Nebula collection overview



Nebula accessories



The lighting system



CONFIGURING THE SYSTEM STEP BY STEP

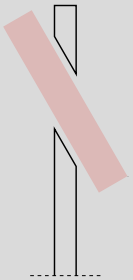
Planning with Nebula modular system is easy. Follow our step by step guide to achieve your desired configuration.

1. Luminaire head types

Select luminaire size and decide how many you need for your scheme. Three luminaire head types are available: Nebula Small (S), Nebula Large (L) and Nebula Venezia (V).

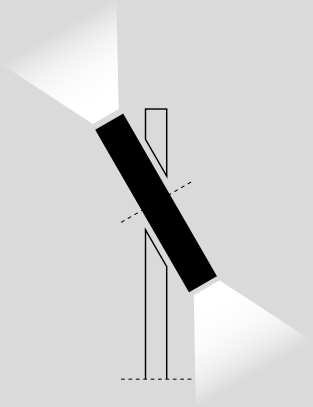
Nebula Small
luminaire head
h 900 mm, Ø 105 mm
see page 16

Nebula Large
luminaire head
h 900 mm, Ø 155 mm
see page 17



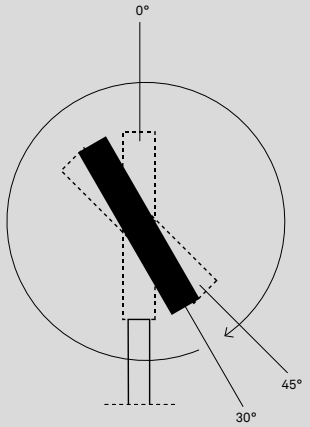
Nebula Venezia
luminaire head
decorative,
transparent rose tint
h 916 mm, Ø 150 mm
see page 18

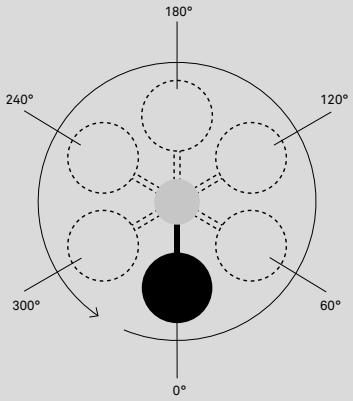
Nebula luminaire heads are composed of two light sources. They can be controlled together or separately. Symmetric and asymmetric distributions as well as beam angles from very narrow (10°) to wide (80°), colour temperatures from 2,700K to 4,000K, including Amber and RGBW, are only some of the options to choose from to configure.



2. Arrangement

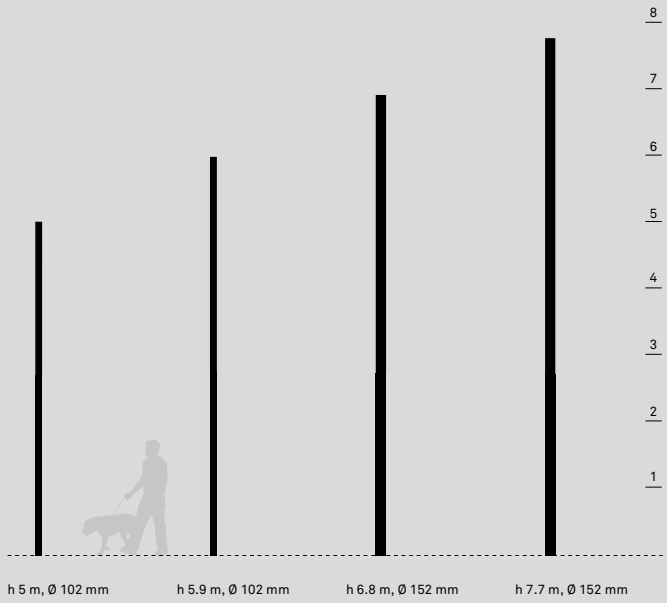
Nebula system luminaire heads can tilt (0°, 30°, 45° or any other angle) and revolve (0° - 120°). Select your preferred tilt and revolving angles.





3. Pole height and diameter

Choose between four standard pole heights and two pole diameters.

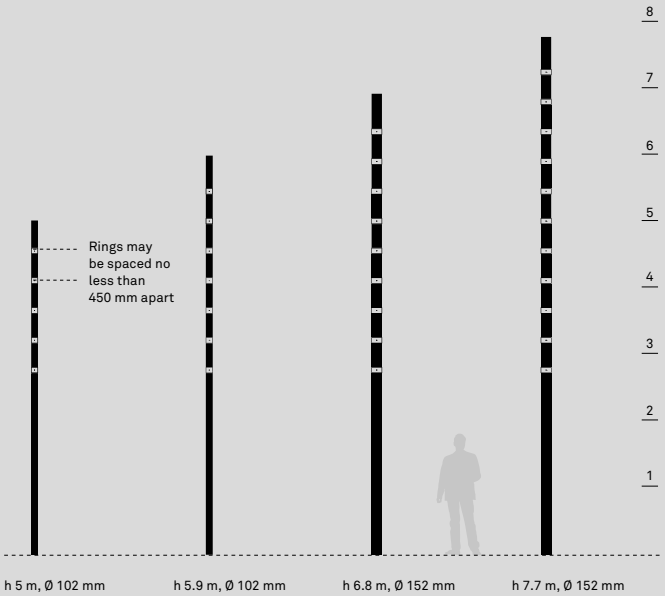


CONFIGURING THE SYSTEM STEP BY STEP

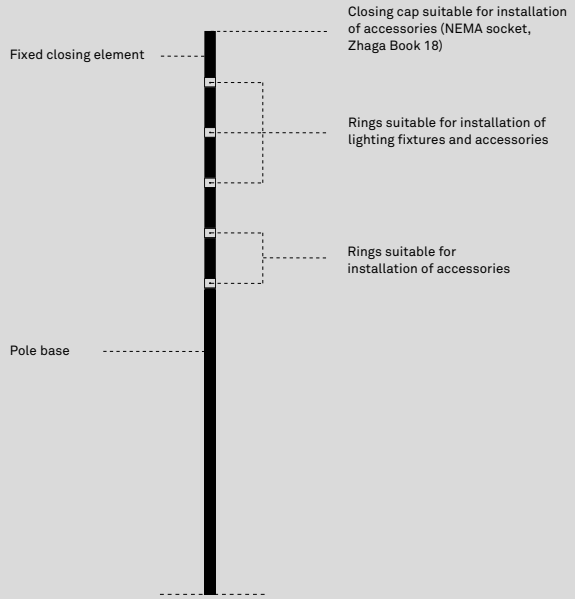
4. Rings

Different heights can accomodate a different number of rings. Rings are the mounting devices designed to hold luminaires or accessories part of the system.

The diagram on the right shows the maximum number of rings per pole. Each ring can accomodate one or two luminaire heads or accessories. Choose the required rings on the specified height and choose type of luminaire head or accessory.

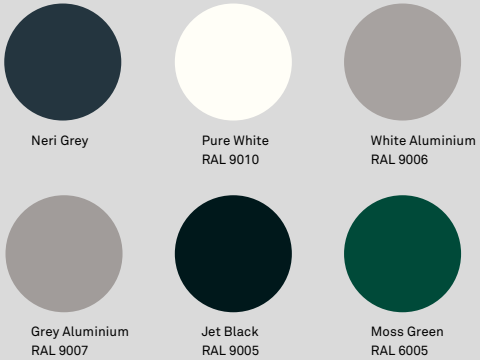


When positioning luminaire heads and accessories on the pole, the lowest 2 rings may be used only for accesories. The rings above these may be used for luminaire heads or accessories.

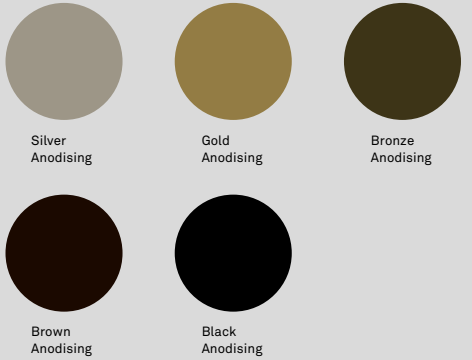


5. Colour

Standard colour for the system is Neri grey. Other colours available are: pure white, white aluminium, grey aluminium, jet black, moss green.



Additional finishes are available for luminaire heads: silver, gold, bronze, brown and black anodising.

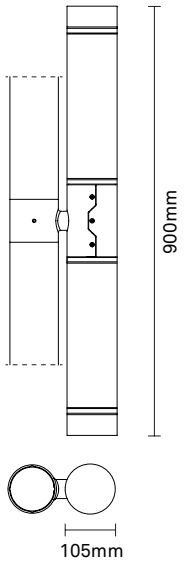


Nebula Small

Luminaire head

Nebula Small

Luminaire head



Luminaire head	Optic system	CCT	Delivered lumen choices	Driver functions	Screen shape
Up	Type II	2,700K	350	1-10V	Prismatic flat glass
	Type V	3,000K	500	DALI	Transparent flat glass
	15° Very narrow spot	3,500K	1,000	DMX	
	25° Narrow spot	4,000K	1,500		
	30° Medium narrow spot	RGBW	2,500		
	35° Medium narrow spot	Amber			
	60° Medium flood				
	70° Medium wide flood				
	80° Medium wide flood				
Down	Type II	2,700K	350	1-10V	Prismatic flat glass
	Type V	3,000K	500	DALI	Transparent flat glass
	15° Very narrow spot	3,500K	1,000	DMX	
	25° Narrow spot	4,000K	1,500		
	30° Medium narrow spot	RGBW	2,500		
	35° Medium narrow spot	Amber			
	60° Medium flood				
	70° Medium wide flood				
	80° Medium wide flood				

Nebula Small

Configuring

UP light

☐ **NEBULA S - EMPTY**

☐ **NEBULA S - ST** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ 2,700K	☐ 1,000 lm	☐ 1-10V	☐ Prismatic flat glass
☐ Type V	☐ 3,000K		☐ DALI	
	☐ 3,500K			
	☐ 4,000K			

☐ **NEBULA S - PR** **COB LED (REFLECTOR, PC)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 30° Medium narrow spot	☐ 2,700K	☐ 1,500 lm	☐ 1-10V	☐ Transparent flat glass
☐ 60° Medium flood	☐ 3,000K	☐ 2,500 lm	☐ DALI	
☐ 70° Medium wide flood	☐ 3,500K			
☐ 80° Medium wide flood	☐ 4,000K			

☐ **NEBULA S - RGBW** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 15 ° Very narrow spot	☐ RGBW	☐ 333 lm (R)	☐ DMX	☐ Transparent flat glass
☐ 25° Narrow spot		☐ 289 lm (G)		
☐ 35° Medium narrow spot		☐ 89 lm (B)		
		☐ 500 lm (W)		

☐ **NEBULA S - A** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ Amber	☐ 350 lm (A)	☐ 1-10V	☐ Prismatic flat glass
☐ Type V			☐ DALI	

Nebula Small

Configuring
DOWN light

☐ **NEBULA S - EMPTY**

☐ **NEBULA S - ST** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ 2,700K	☐ 1,000 lm	☐ 1-10V	☐ Prismatic flat glass
☐ Type V	☐ 3,000K		☐ DALI	
	☐ 3,500K			
	☐ 4,000K			

☐ **NEBULA S - PR** **COB LED (REFLECTOR, PC)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 30° Medium narrow spot	☐ 2,700K	☐ 1,500 lm	☐ 1-10V	☐ Transparent flat glass
☐ 60° Medium flood	☐ 3,000K	☐ 2,500 lm	☐ DALI	
☐ 70° Medium wide flood	☐ 3,500K			
☐ 80° Medium wide flood	☐ 4,000K			

☐ **NEBULA S - RGBW** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 15 ° Very narrow spot	☐ RGBW	☐ 333 lm (R)	☐ DMX	☐ Transparent flat glass
☐ 25° Narrow spot		☐ 289 lm (G)		
☐ 35° Medium narrow spot		☐ 89 lm (B)		
		☐ 500 lm (W)		

☐ **NEBULA S - A** **HIGH POWER LED (SINGLE LENS, PMMA)**

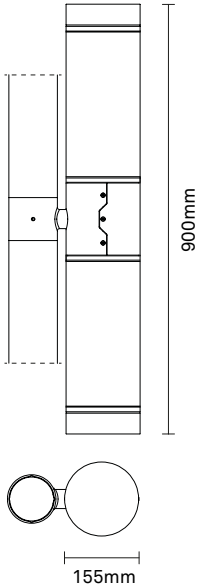
Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ Amber	☐ 350 lm (A)	☐ 1-10V	☐ Prismatic flat glass
☐ Type V			☐ DALI	

Nebula Large

Luminaire head

Nebula Large

Luminaire head



Luminaire head	Optic system	CCT	Delivered lumen choices	Driver functions	Screen shape
Up	Type II	2,700K	700	1-10V	Prismatic flat glass
	Type IV	3,000K	1,000	DALI	Transparent flat glass
	Type V	3,500K	2,500	DMX	
	10° Very narrow spot	4,000K	3,500		
	15° Very narrow spot	RGBW	4,500		
	20° Narrow spot	Amber			
	25° Narrow spot				
	35° Medium narrow spot				
	70° Medium wide flood				
Down	Type II	2,700K	700	1-10V	Prismatic flat glass
	Type IV	3,000K	1,000	DALI	Transparent flat glass
	Type V	3,500K	2,500	DMX	
	10° Very narrow spot	4,000K	3,500		
	15° Very narrow spot	RGBW	4,500		
	20° Narrow spot	Amber			
	25° Narrow spot				
	35° Medium narrow spot				
	70° Medium wide flood				

Nebula Large
Configuring
UP light

☐ **NEBULA L - EMPTY**

☐ **NEBULA L - ST** **COB LED (SINGLE LENS, SILICONE)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ 2,700K	☐ 2,500 lm	☐ 1-10V	☐ Prismatic flat glass
☐ Type IV	☐ 3,000K	☐ 3,500 lm	☐ DALI	
☐ Type V	☐ 3,500K	☐ 4,500 lm		
	☐ 4,000K			

☐ **NEBULA L - PR** **COB LED (REFLECTOR, PC)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 10° Very narrow spot	☐ 2,700K	☐ 2,500 lm	☐ 1-10V	☐ Transparent flat glass
☐ 20° Narrow spot	☐ 3,000K	☐ 3,500 lm	☐ DALI	
☐ 35° Medium narrow spot	☐ 3,500K	☐ 4,500 lm		
☐ 70° Medium wide flood	☐ 4,000K			

☐ **NEBULA L - RGBW** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 15 ° Very narrow spot	☐ RGBW	☐ 666 lm (R)	☐ DMX	☐ Transparent flat glass
☐ 25° Narrow spot		☐ 578 lm (G)		
☐ 35° Medium narrow spot		☐ 178 lm (B)		
		☐ 1,000 lm (W)		

☐ **NEBULA L - A** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ Amber	☐ 700 lm (A)	☐ 1-10V	☐ Prismatic flat glass
☐ Type V			☐ DALI	

Nebula Large

Configuring
DOWN light

☐ **NEBULA L - EMPTY**

☐ **NEBULA L - ST** **COB LED (SINGLE LENS, SILICONE)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ 2,700K	☐ 2,500 lm	☐ 1-10V	☐ Prismatic flat glass
☐ Type IV	☐ 3,000K	☐ 3,500 lm	☐ DALI	
☐ Type V	☐ 3,500K	☐ 4,500 lm		
	☐ 4,000K			

☐ **NEBULA L - PR** **COB LED (REFLECTOR, PC)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 10° Very narrow spot	☐ 2,700K	☐ 2,500 lm	☐ 1-10V	☐ Transparent flat glass
☐ 20° Narrow spot	☐ 3,000K	☐ 3,500 lm	☐ DALI	
☐ 35° Medium narrow spot	☐ 3,500K	☐ 4,500 lm		
☐ 70° Medium wide flood	☐ 4,000K			

☐ **NEBULA L - RGBW** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 15 ° Very narrow spot	☐ RGBW	☐ 666 lm (R)	☐ DMX	☐ Transparent flat glass
☐ 25° Narrow spot		☐ 578 lm (G)		
☐ 35° Medium narrow spot		☐ 178 lm (B)		
		☐ 1,000 lm (W)		

☐ **NEBULA L - A** **HIGH POWER LED (SINGLE LENS, PMMA)**

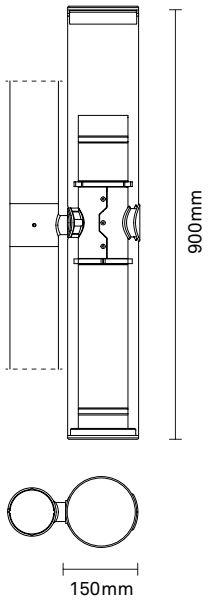
Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ Amber	☐ 700 lm (A)	☐ 1-10V	☐ Prismatic flat glass
☐ Type V			☐ DALI	

Nebula Venezia

Luminaire head

Nebula Venezia

Luminaire head



Luminaire head	Optic system	CCT	Delivered lumen choices	Driver functions	Screen shape
Up	Decorative Light				
Down	Type II	2,700K	1,000	1-10V	Prismatic flat glass
	Type V	3,000K	1,500	DALI	Transparent flat glass
	30° Medium narrow spot	3,500K	2,500		
	60° Medium flood	4,000K			
	70° Medium wide flood				
	80° Medium wide flood				

Nebula Venezia

Configuring
DOWN light

☐ **NEBULA V - ST** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ 2,700K	☐ 1,000 lm	☐ 1-10V	☐ Prismatic flat glass
☐ Type V	☐ 3,000K		☐ DALI	
	☐ 3,500K			
	☐ 4,000K			

☐ **NEBULA V - PR** **COB LED (REFLECTOR, PC)**

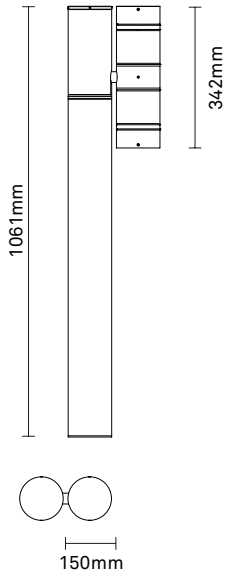
Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 30° Medium narrow spot	☐ 2,700K	☐ 1,500 lm	☐ 1-10V	☐ Transparent flat glass
☐ 60° Medium flood	☐ 3,000K	☐ 2,500 lm	☐ DALI	
☐ 70° Medium wide flood	☐ 3,500K			
☐ 80° Medium wide flood	☐ 4,000K			

Nebula

Pathlight and illuminating bollard

Nebula

Illuminating bollard



Luminaire head	Optic system	CCT	Delivered lumen choices	Driver functions	Screen shape
Up	15° Very narrow spot 25° Narrow spot 30° Medium narrow spot 35° Medium narrow spot 60° Medium flood 70° Medium wide flood 80° Medium wide flood	2,700K 3,000K 3,500K 4,000K RGBW	500 1,500 2,500	1-10V DALI DMX	Transparent flat glass
Down	Type II Type V	2,700K 3,000K 3,500K 4,000K Amber + White	800 1,000	1-10V DALI	Prismatic flat glass

Nebula Bollard

Configuring

UP light

☐ **NEBULA BOLLARD - EMPTY**

☐ **NEBULA BOLLARD - PR** **COB LED (REFLECTOR, PC)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 30° Medium narrow spot	☐ 2,700K	☐ 1,500 lm	☐ 1-10V	☐ Transparent flat glass
☐ 60° Medium flood	☐ 3,000K	☐ 2,500 lm	☐ DALI	
☐ 70° Medium wide flood	☐ 3,500K			
☐ 80° Medium wide flood	☐ 4,000K			

☐ **NEBULA BOLLARD - RGBW** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ 15 ° Very narrow spot	☐ RGBW	☐ 333 lm (R)	☐ DMX	☐ Transparent flat glass
☐ 25° Narrow spot		☐ 289 lm (G)		
☐ 35° Medium narrow spot		☐ 89 lm (B)		
		☐ 500 lm (W)		

Nebula Bollard

Configuring
DOWN light

☐ **NEBULA BOLLARD - EMPTY**

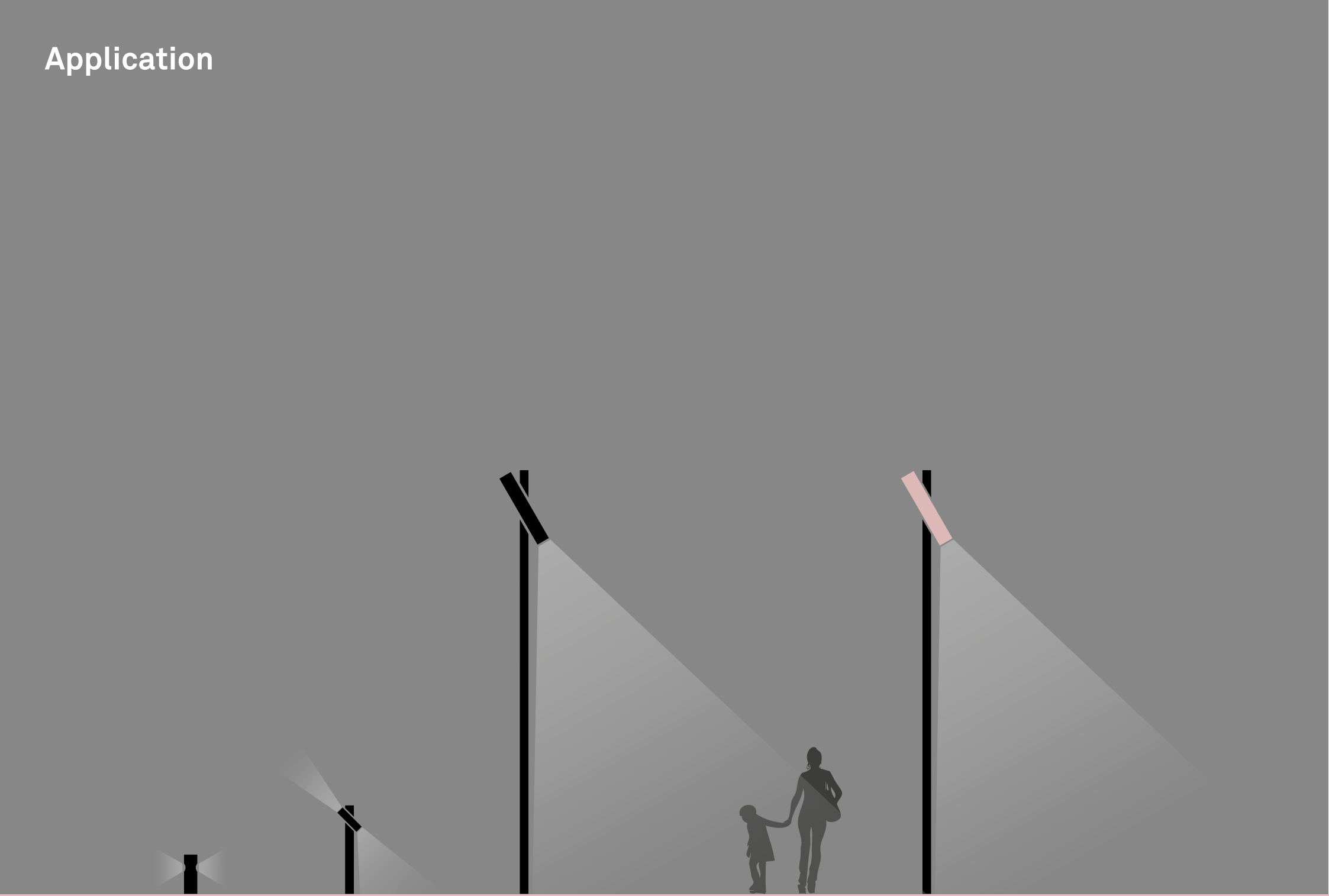
☐ **NEBULA BOLLARD - ST** **HIGH POWER LED (SINGLE LENS, PMMA)**

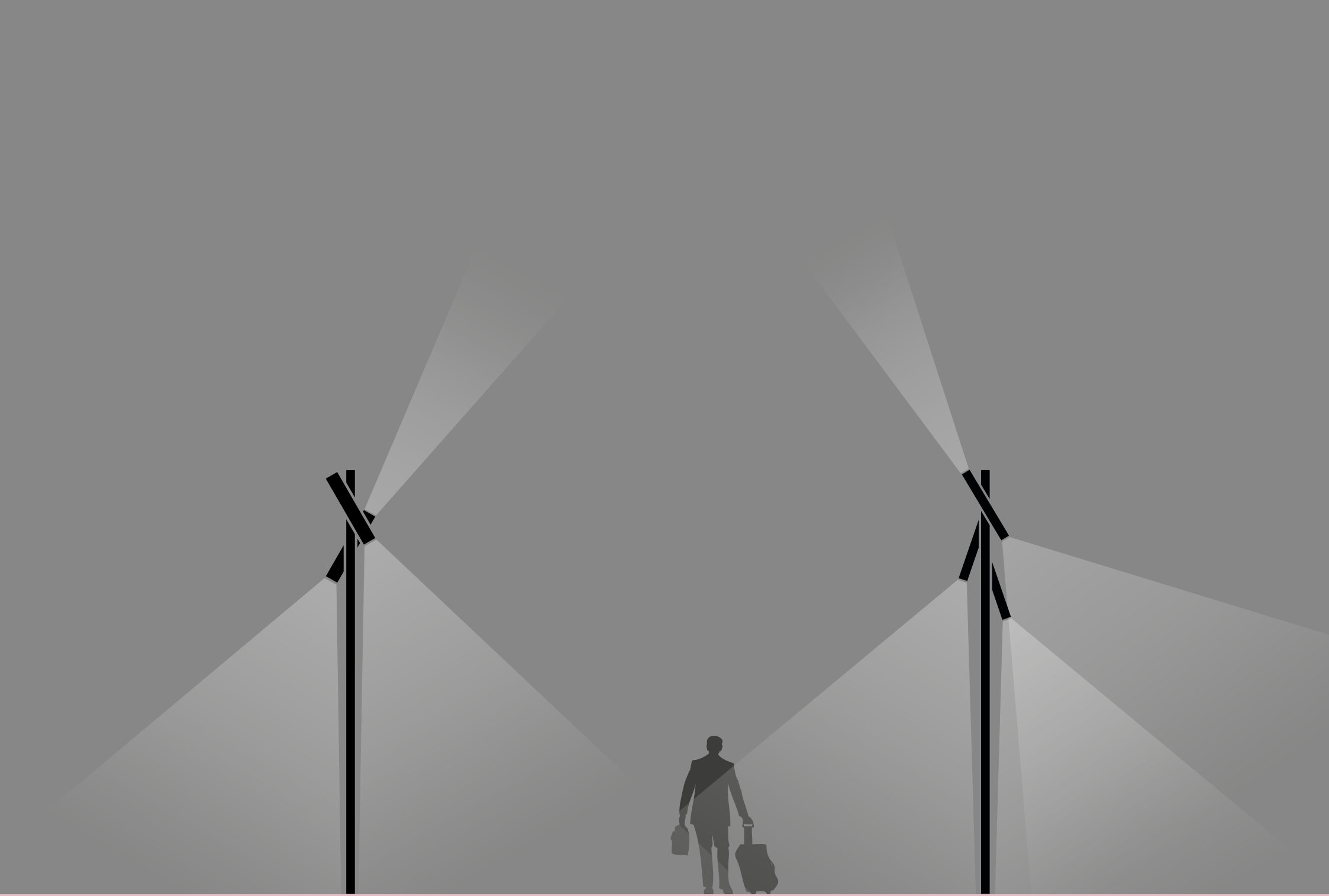
Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ 2,700K	☐ 1,000 lm	☐ 1-10V	☐ Prismatic flat glass
☐ Type V	☐ 3,000K		☐ DALI	
	☐ 3,500K			
	☐ 4,000K			

☐ **NEBULA BOLLARD - A + W** **HIGH POWER LED (SINGLE LENS, PMMA)**

Optic system	CCT	Lumen output	Driver function	Screen shape
☐ Type II	☐ Amber +	☐ 180 lm (A)	☐ 1-10V	☐ Prismatic flat glass
☐ Type V	White	☐ 800 lm (W)	☐ DALI	

Application





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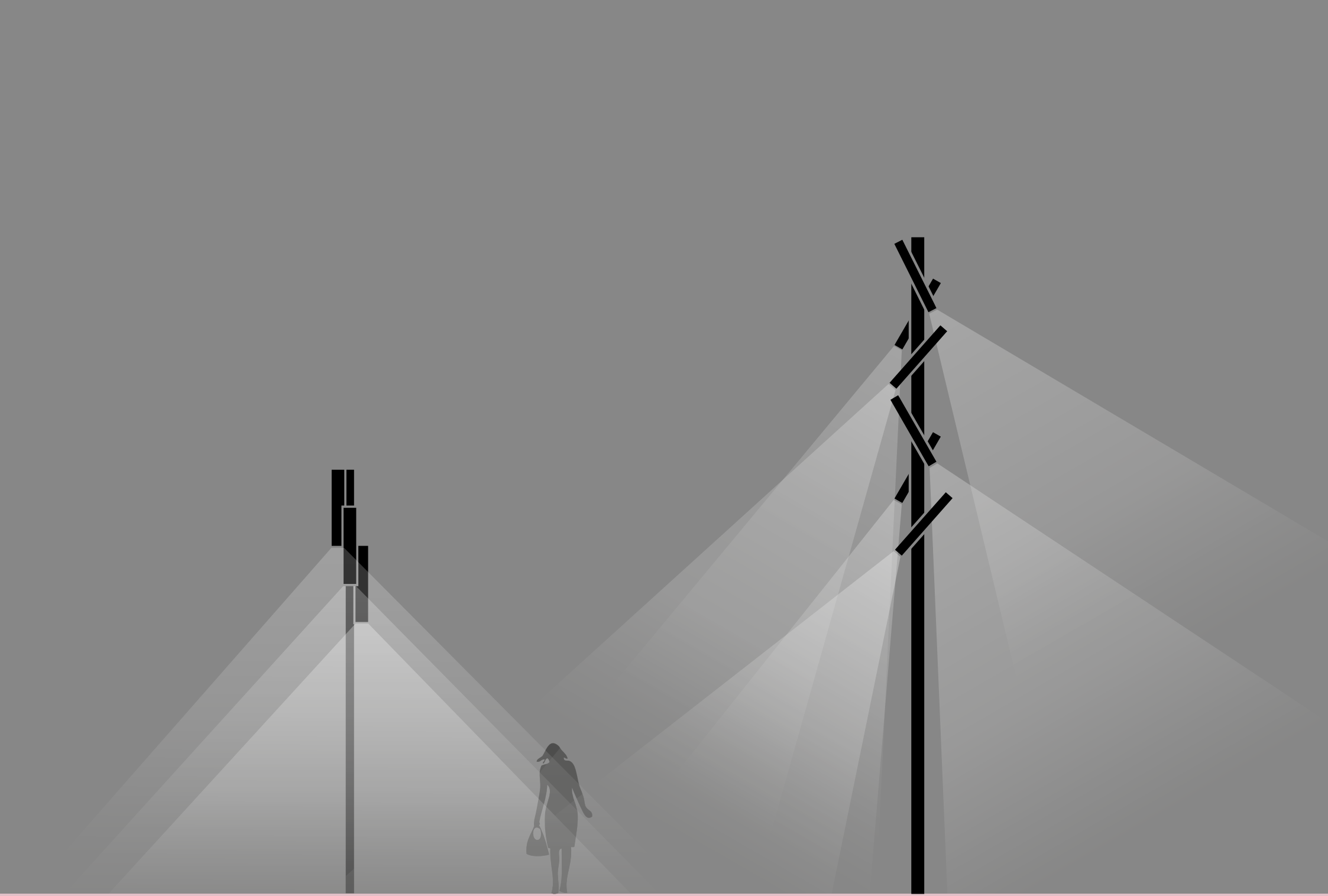

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Thank you