

LUCERA

The LUCERA range was developed to provide an extremely flexible solution for illumination of modern urban spaces that can flow through exterior environments providing illumination for safety, efficiency and versatility.

The LUCERA range is a fully customizable modular system in height, optical distribution and adjustability.



Customizable modular system

This minimal square form factor is available in 2 pole heights, 1 bollard, and 7 luminaire assembly options. LUCERA is a completely customizable modular system with both fixed and adjustable positions, 9 optical distributions including Types I–V for path and street lighting illumination, 4 static colour temperatures or Tunable White and RGBW dynamic lighting.



Square
15cmx15cm

The optical system features a double sided chamfered edge with inset luminaires in fixed or adjustable optics.



Overall Height Range
570cm – 634cm
420cm – 485cm

*Consult factory for other configurations.



Pole
H. 5.00m
H. 3.50m



Wind Resistance
225km/h
200km/h

Bollard

H. 100cm



Optical head - Fixed
Type I
Type II
Type III
Type IV
Type V

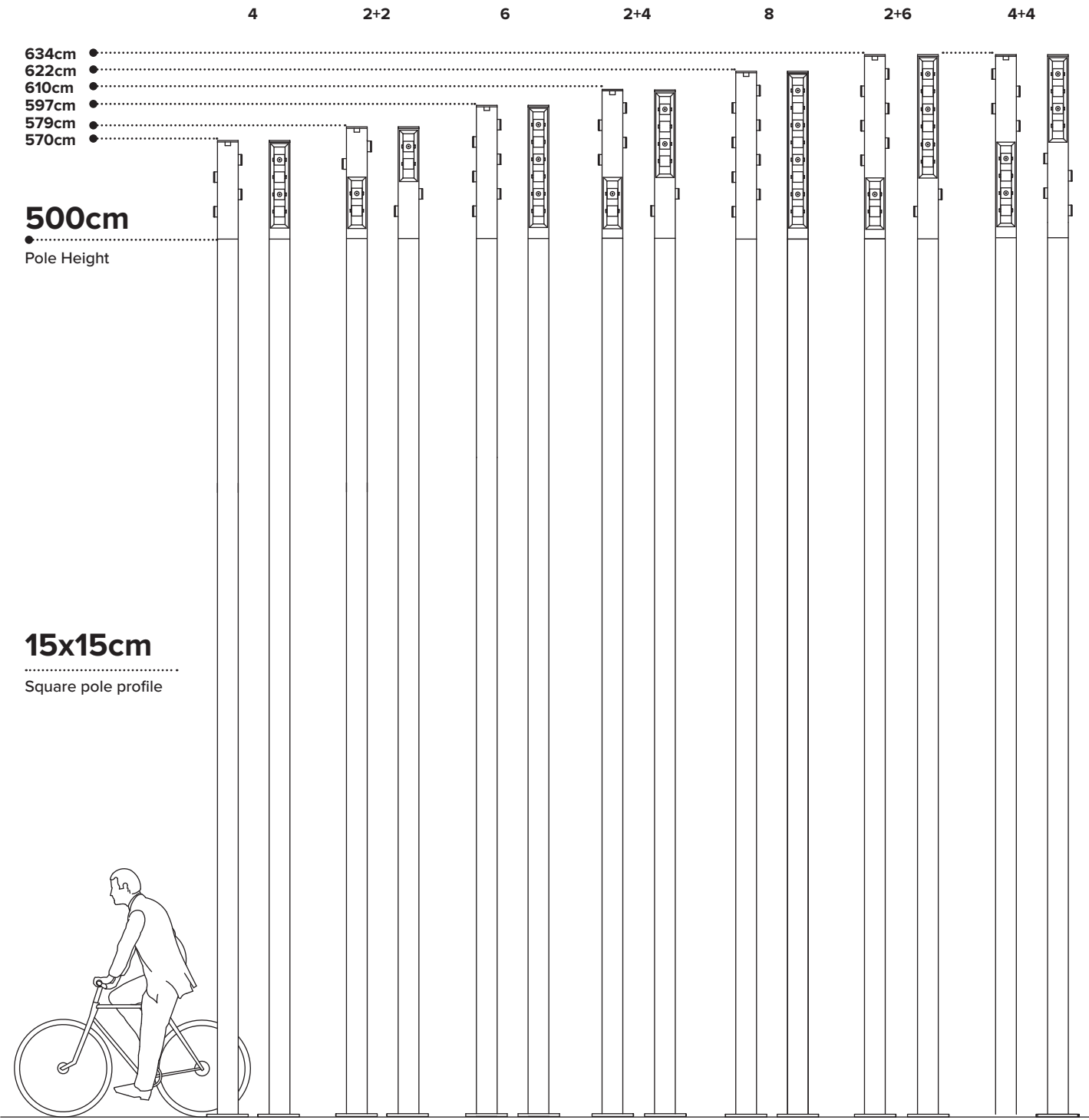
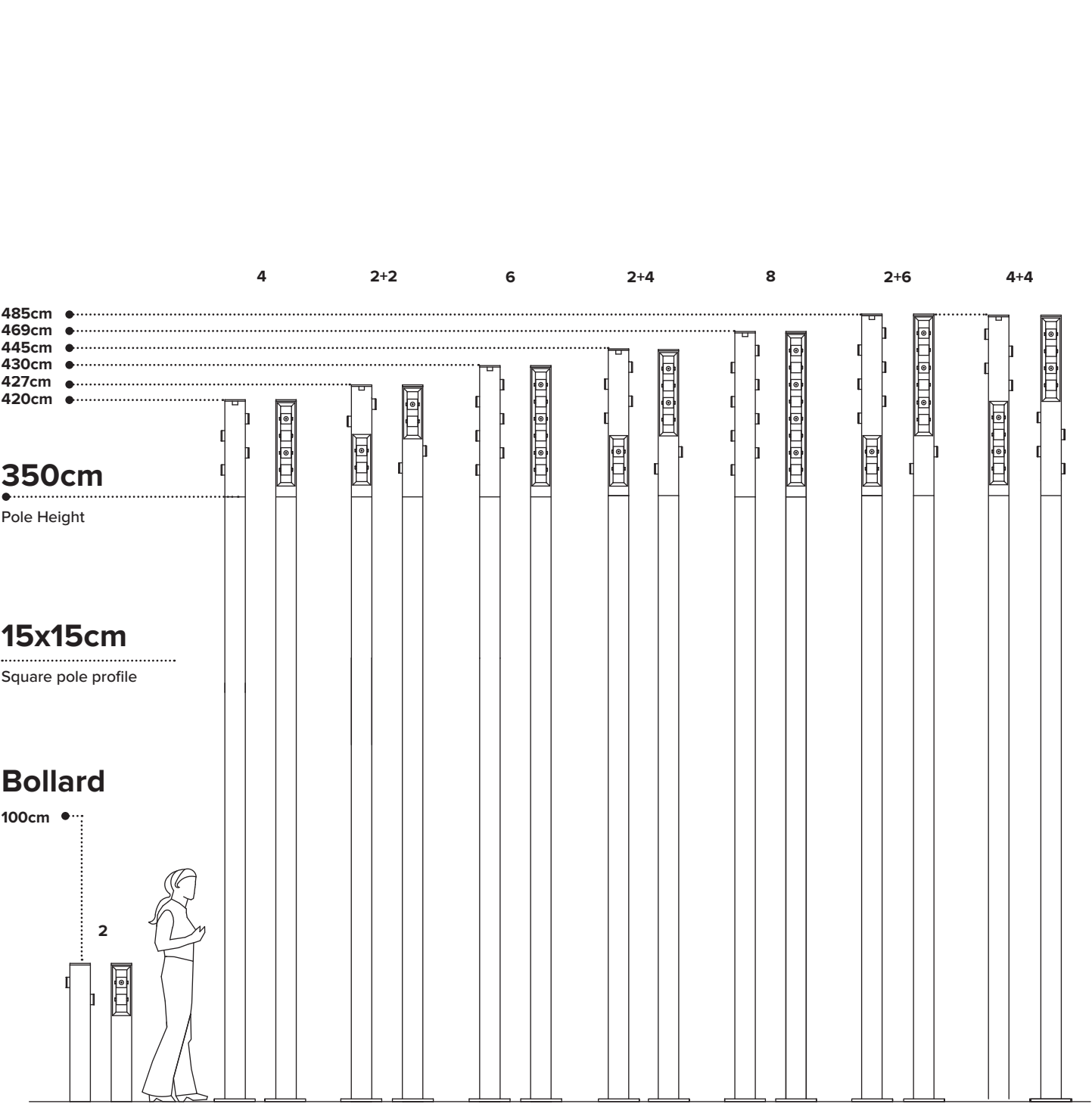
Optical head - Adjustable
SP 15°
NFL 29°
FL 36°
MWFL 44°



LED
2700K
3000K
3500K
4000K
Tunable White
RGBW

Configurations

With the wide variation of luminaire assemblies and pole height options, the LUCERA range make it possible to easily adapt to any surrounding environment.



Adjustable optics

When there are specific design needs, LUCERA is the ideal solution due to its ability to conform to both general lighting as well as specialty accent lighting.

Luminaire Assembly Options

One of the largest advantages to the adjustable LUCERA version is its optical versatility within the 7 luminaire assembly options and flexibility with multiple projector optics. This allows for different beam angles depending on the needs of the surrounding environments.

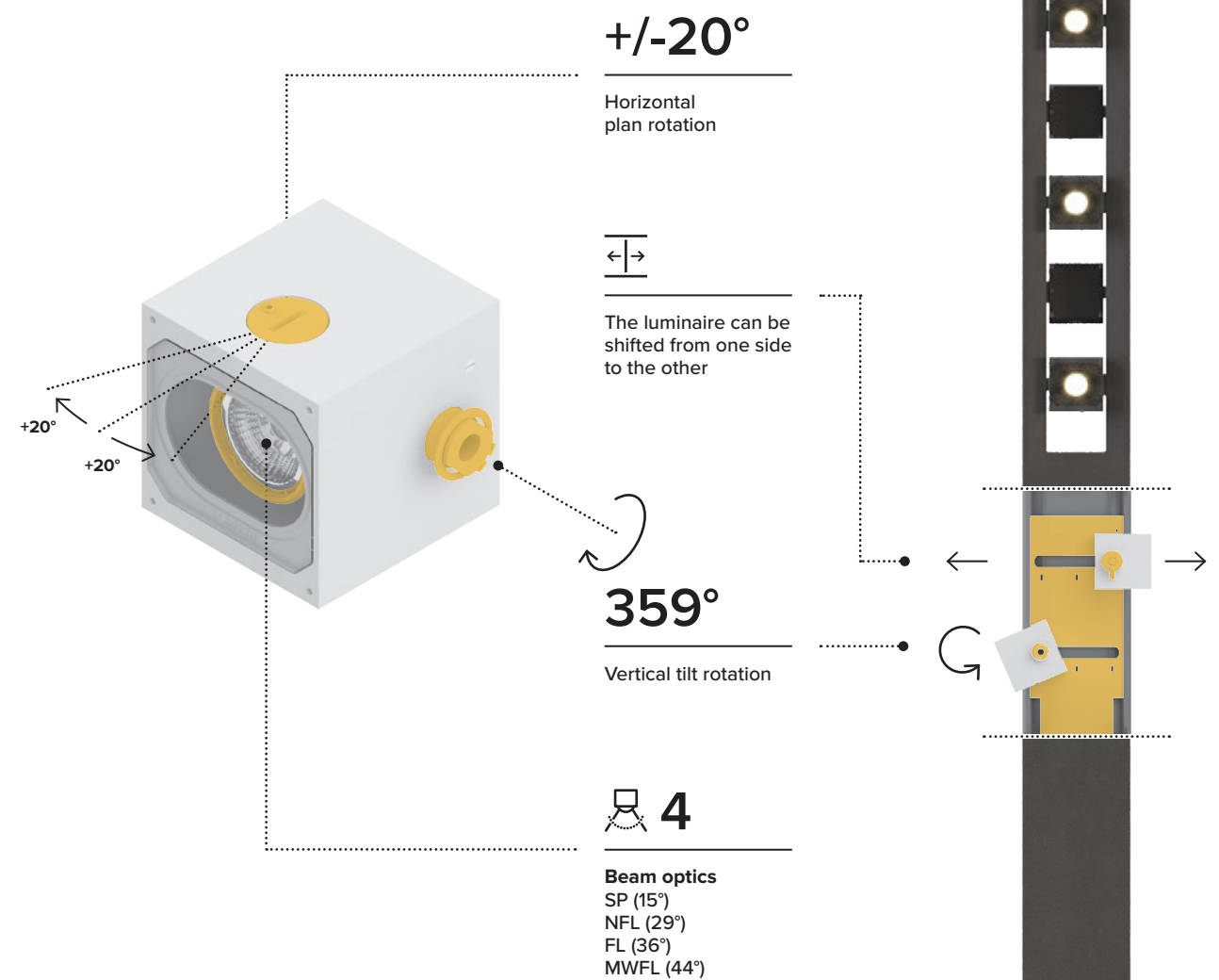
Every pole can be equipped with 4, 6 or 8 total projectors positioned on a single axis or on 2 axes for maximum project flexibility.



Maximum Flexibility

Every luminaire has the ability to be shifted to either side of the pole and rotated by 359° vertical tilt rotation with variable luminaire positions, flush or extracted.

In addition, each luminaire optic can be externally rotated by +/-20° horizontal plan rotation for ultimate flexibility.



A1 – A2

The luminaire assembly is equipped with pairs of projectors available in 4 different beam optics

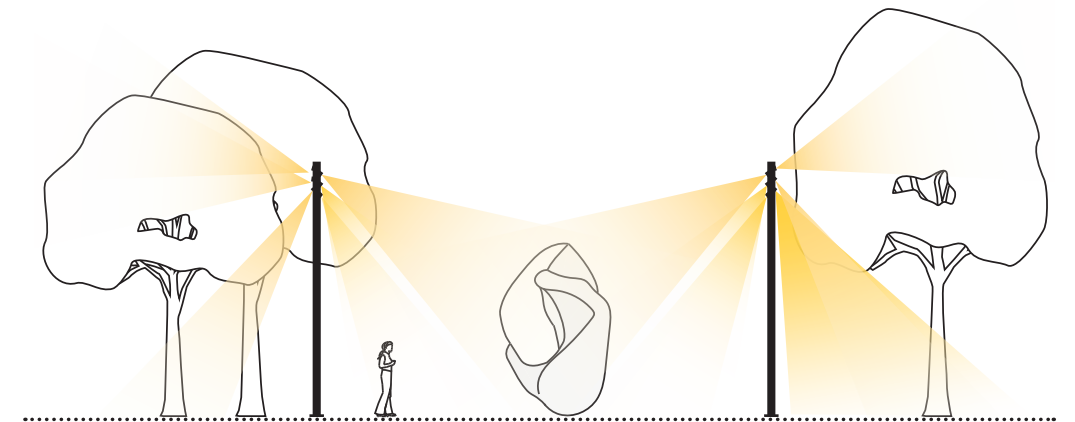


Application Environments

The flexibility LUCERA offers makes it easy to conform to a variety of different architectural environments.



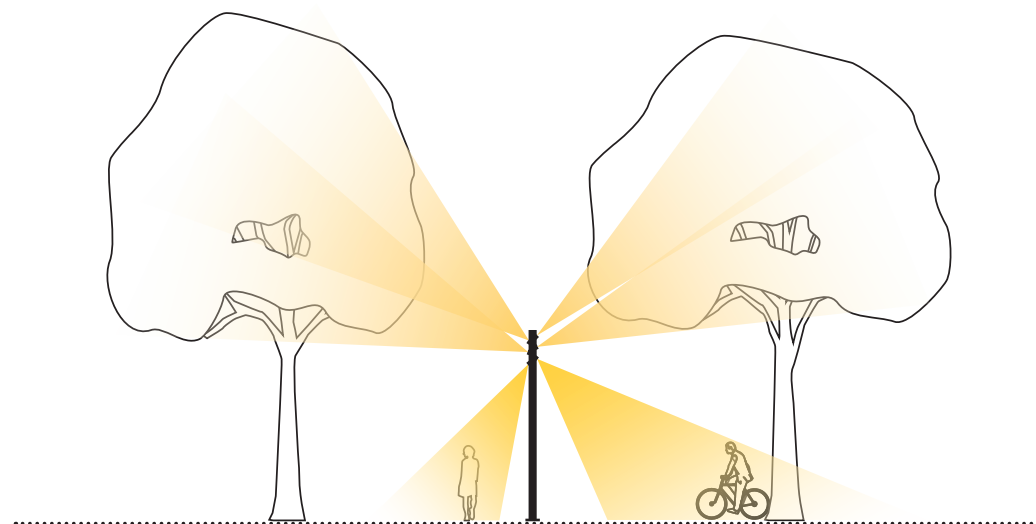
6 projectors
597cm



Sculptural
Accent and Ambiance



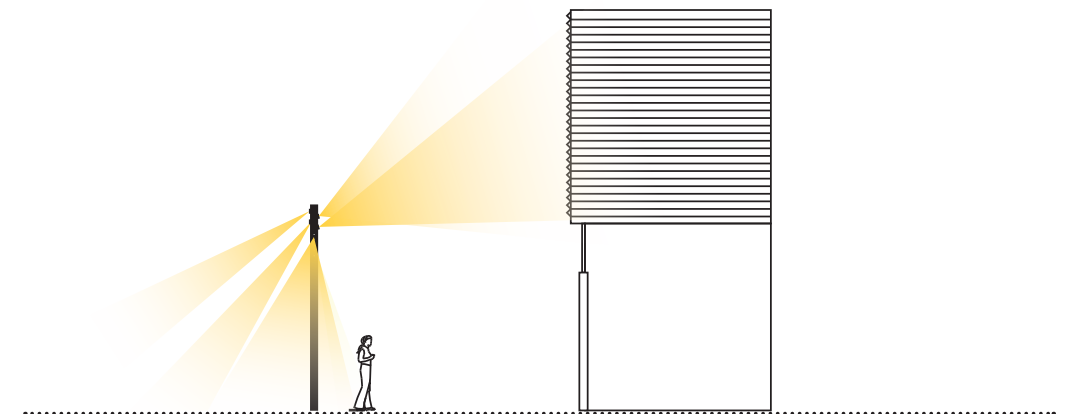
6 projectors
445cm



Landscape
Trees and Pathways



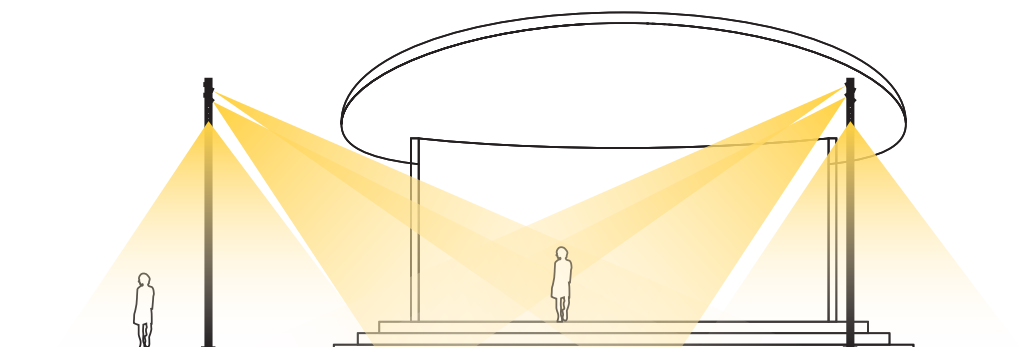
4+4 projectors
485cm



Streetscape
Pedestrian and Facade



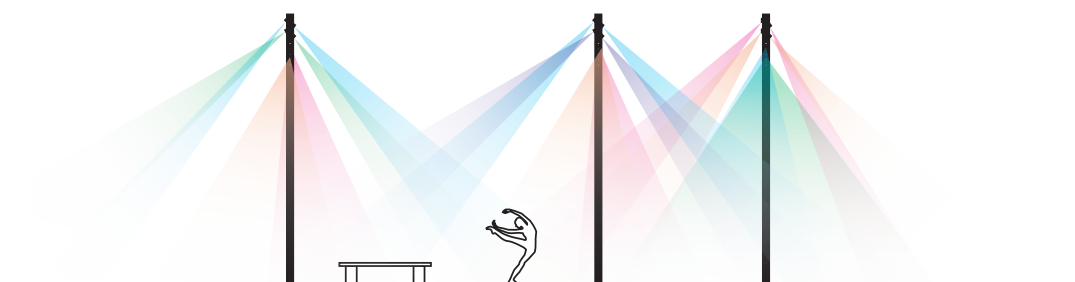
4+4 projectors
634cm



Performance
Stage and Area Lighting



4+4 projectors
634cm



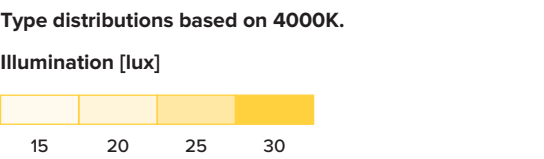
Entertainment
Colour Changing Feature Lighting



Fixed optics

The LUCERA range of fixed optics are factory set luminaire positions designed to deliver specific IES Type distributions, optimizing on center spacing and candle requirements.

There are five projector assemblies available

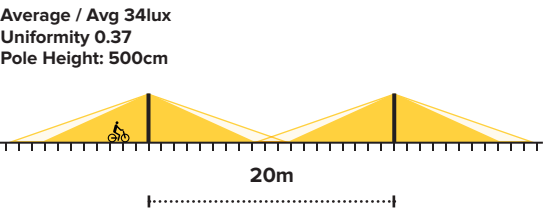
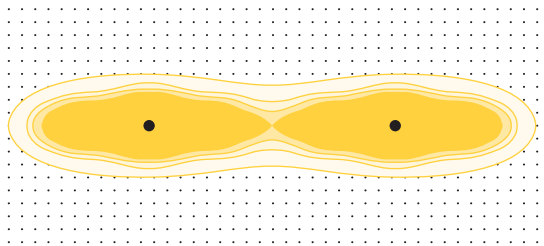


Type I Fixed distribution

2+6 Luminaires



This distribution is the ideal choice for applications such as walkways, paths or footpaths. The optical system has a 15°+15° beam opening that makes it suitable for lighting paths that have a width of up to 2 times the installation height of the light units.

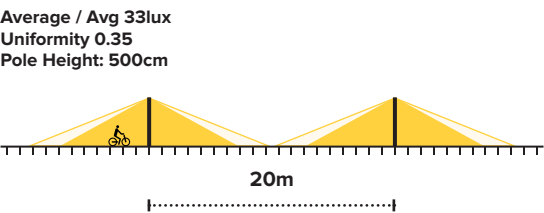
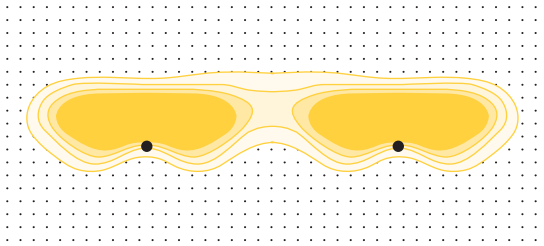


Type II Slightly asymmetrical Fixed distribution

2+6 Luminaires



Ideal for wide walkways, access roads, ramps or any other area that requires long and narrow lighting. The optical system has a 25° beam opening, ideal for lighting areas up to 4 times the width of the installation height and 1.75 times the depth. In a single pole configuration, the 350cm pole has a distribution of 14m and a 500cm pole has a distribution of 20m.

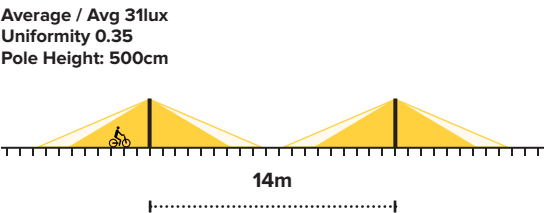
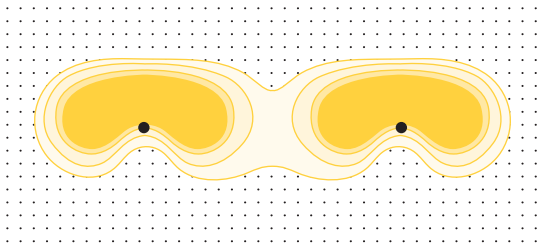
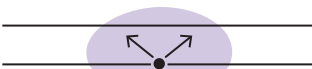


Type III Asymmetrical bat wing distribution

2+6 Luminaires



This type of distribution is used in areas where it is important to push the light in both depth and width, typically finding use in applications such as plazas or courtyards. The optical system has a 40° beam opening, ideal for lighting wide areas up to 2.75 times the installation height. In a single pole configuration, the 350cm pole has a distribution of 9.60m and a 500cm pole has a distribution of 14m.

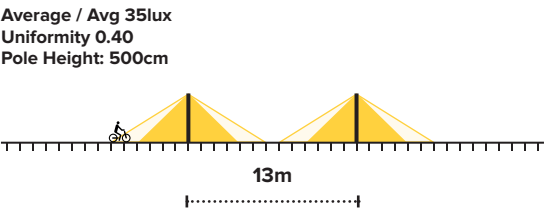
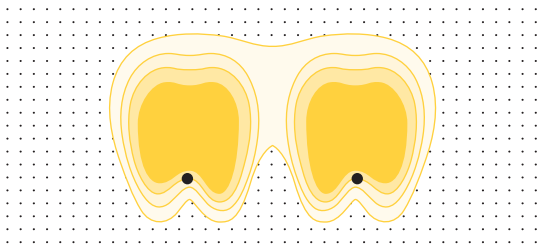


Type IV Semicircular distribution

2+6 Luminaires



The marked asymmetrical optic has a 60° beam opening, making it the most suitable solution for lighting both horizontal planes like parking areas, as well as vertical surfaces like building facades. It is ideal to light areas up to 2.75 times the installation height. In a single pole configuration, the 350cm pole has a distribution of 9,60m and a 500cm pole has a distribution of 13,75m.

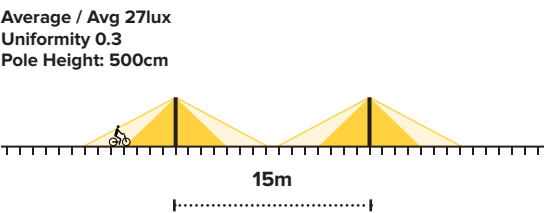
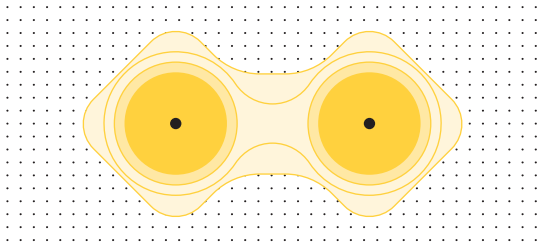
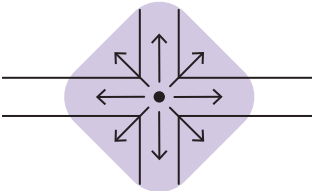


Type V Spherical distribution

4+4 Luminaires



A spherical 360° distribution that has equal illumination on all sides. A single 350cm pole has a 10m diameter distribution and a 500cm pole has a 15m diameter distribution.



LUCERA Specification Guide

1

Select the pole

Height

H 350cm

H 500cm

2

Select between a fixed or adjustable optical system

Fixed optics

Type I
Linear

Type II
Asymmetrical
linear

Type III
Asymmetrical
bat wing

Type IV
Semi-circular

Type V
Circular

Adjustable optics

4
Four projectors
on the same axis

2+2
Two projectors on
an axis and two
on the other

6
Six projectors on
the same axis

2+4
Two projectors on
an axis and four
on the other

8
Eight projectors
on the same axis

2+6
Two projectors on
an axis and six on
the other

4+4
Four projectors
on an axis and four
on the other

3

Select the colour temperature for the fixed luminaires

2700K 3000K 3500K 4000K

LUCERA Bollard
Select optics

Beam optics

SP
(15°)

NFL
(29°)

FL
(36°)

MWFL
(44°)

Select the colour temperature for adjustable optics or bollard luminaires

2700K 3000K 3500K 4000K

Tunable white

RGBW

Targetti

LUCERA

Requisites and information

All fixtures of the Targetti collection have been designed and produced to comply with European Standard EN60598-1 relative to the safety requisite of light fixtures.

CE DIRECTIVES EUROPEAN COUNCIL

All fixtures comply with the following directives:

- ➔ EMC Directive 2014/30/EU
- ➔ LV Directive 2014/35/EU
- ➔ RoHS Directive 2011/65/EU

Unless specified otherwise

- ➔ all fixtures are supplied without lamps;
- ➔ all fixtures are sold separately;
- ➔ all measurements are expressed in millimeters;
- ➔ all fixtures at low voltage are supplied without transformer;
- ➔ For products in Class III performance is only guaranteed using the electronic power supplies and drivers indicated in the catalogue.

Consorzio ecolight

Targetti Sankey Spa is a member of the Ecolight consortium that was set up in 2004 (D.Lgs. 49/2014) to comply with the provisions of the European Directive that was adopted in Italy as the European Directive 2012/19/EU for WEEE on managing, recovering and treating waste electrical and electronic equipment, used batteries and accumulators in compliance with all applicable legislation.

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TARGETTI SANKEY SpA

Certificated ISO 9001 n° 9130. TAR1
Certificated ISO 14001 n° IT319206

The Enec mark, ISO9001 and ISO14001 certifications and the CE marking all guarantee that the activities carried out internally in the company are governed and controlled by procedures which assure constant level of quality.

Accredited laboratory in accordance with ISO 17025.

Light beam apertures

from	to	beam	
5°	10°	Narrow Spot	NSP
11°	25°	Spot	SP
26°	40°	Flood	FL
41°	50°	Medium Wide Flood	MWFL
51°	70°	Wide Flood	WFL
71°	120°	Very Wide Flood	VWFL
		Wall Washer	WW
		Narrow Asymmetric	N. ASYM
		Asymmetric	ASYM

Icons legend

	Class I luminaire in which the protection against electrical shock is guaranteed by the connections of the conductive elements accessible to a protective conductor (earth connection).
	Class II luminaire (double insulation), protected against the accidental contact with parts under tension from the user.
	Class III luminaire, suitable for connection to very low voltage circuits.
	Solid particle and liquid ingress protection degree.
	Protection degree - Recessed part . Protection degree - Exposed part.
	Impact protection degree.

Particular symbols

	Cable length.
	Walk-over.
	Fixtures that have parameters below the minimum visibility threshold PstLM≤1 and SVM≤0.4 (IEC TR 61547-1 and IEC TR 63158).
	LED with Ra__ where not present in the catalogue, available on request.
	Different colour temperatures available on request.
	Custom finish of your choice from the Targetti Colours range and RAL indicated in the colour chart can be downloaded on line from the download section.
	Cataphoresis treatment carried out on request.
	Power supply
	Supplied on request with an integrated or remote 110-277Vac power supply as indicated for the standard model.
	Emergency light module available

Note

- ➔ Please contact us for on request treatments and versions.
- ➔ The performances reported on the products refer to the use of the recommended drivers.
- ➔ The drivers selected by Targetti make the fixtures “Safe Flicker”.

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