

SIMES

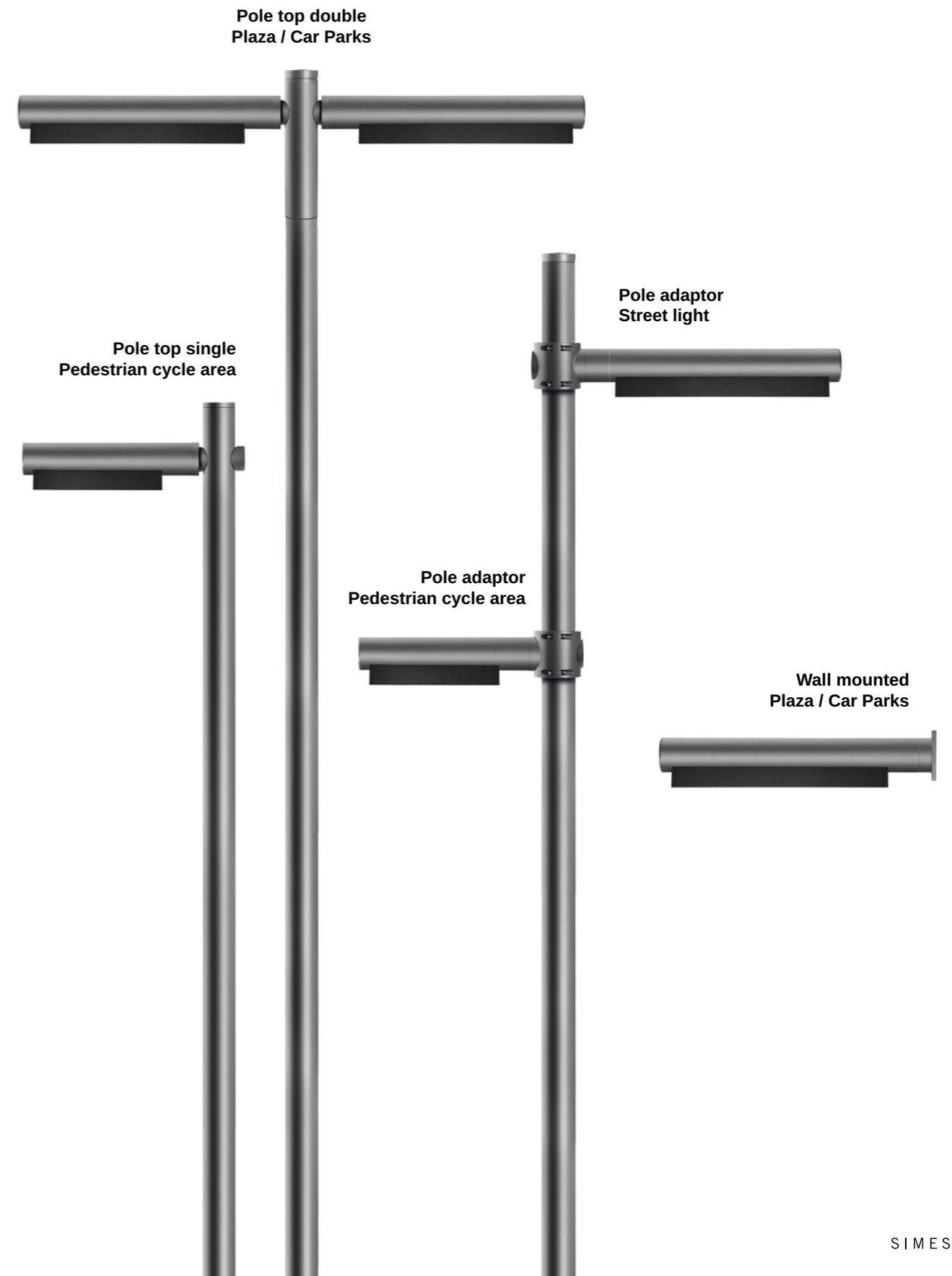


Boulevard
Urban lighting

Elegance in the urban space

Great performances and elegance in an urban minimal element.

Boulevard is a solid and intelligent design urban element that knows how to fit into any context: from paths, to plazas, from pedestrian crossings to urban streets. It integrates high-performance optics and is compatible with smart systems for a correct eco-sustainable management of public light. It can be configured as a pole head to be installed on the upper end of the pole, as a “collar” pole connection or as a wall attachment.



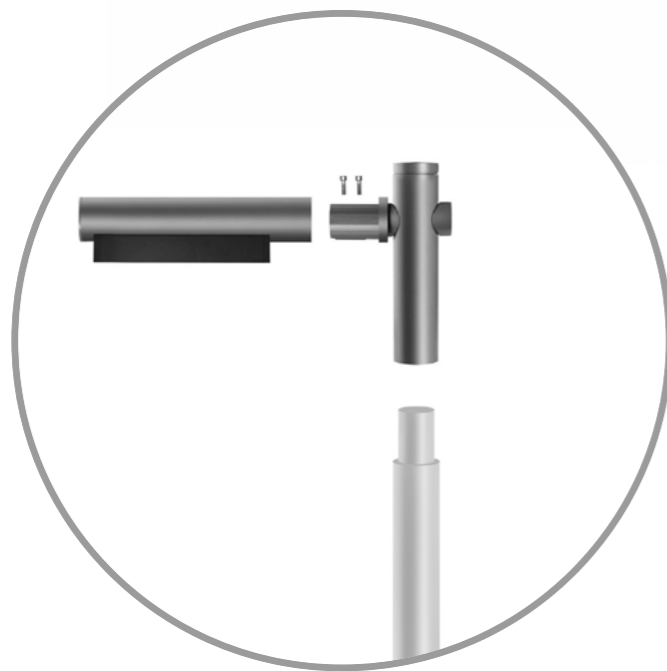
Pole top



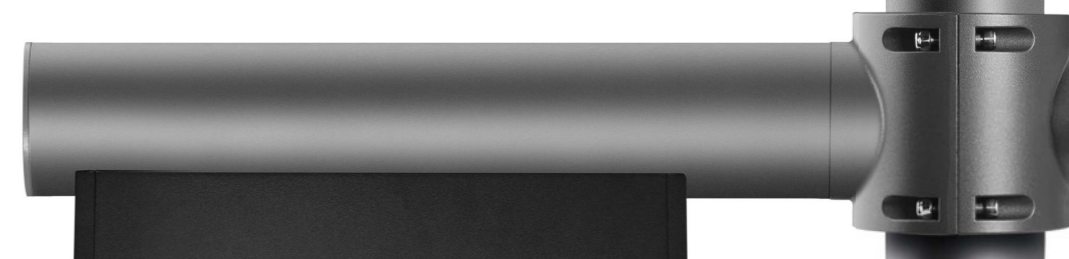
The pure solution that best expresses the minimal design for urban environment.

Boulevard direct pole fixation ideally blends into a single element the luminaire body to the pole itself.

With the Simes pole $\varnothing 102$ mm provided with a pole adaptor of $\varnothing 76$ mm, the result is a perfect and unique continuity between the luminaire and the pole.

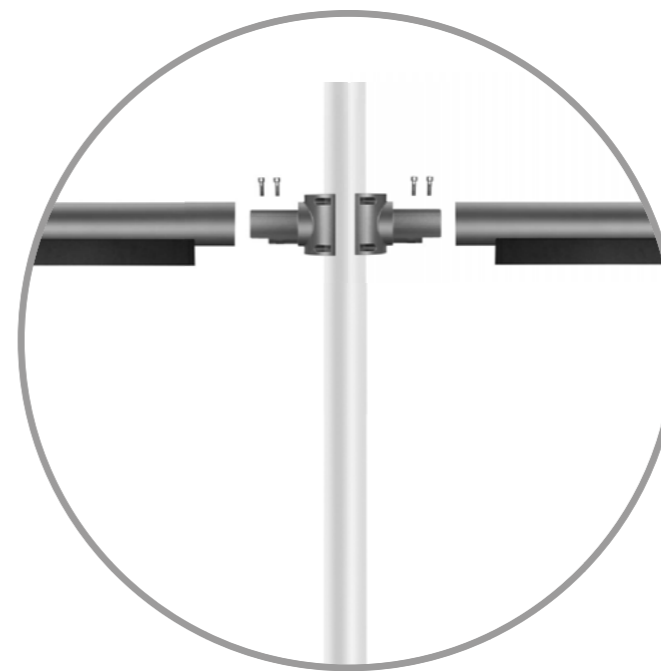


Pole adaptor



The most flexible solution for an easy installation maintaining the style.

The collar version allows Boulevard to be easily installed to 102 mm diameter poles. The particular attachment is composed of two brackets that embrace the pole and allow to anchor the lighting fixture at the desired height. This version of Boulevard can also be installed in a double version by connecting the two collars supplied with the products.



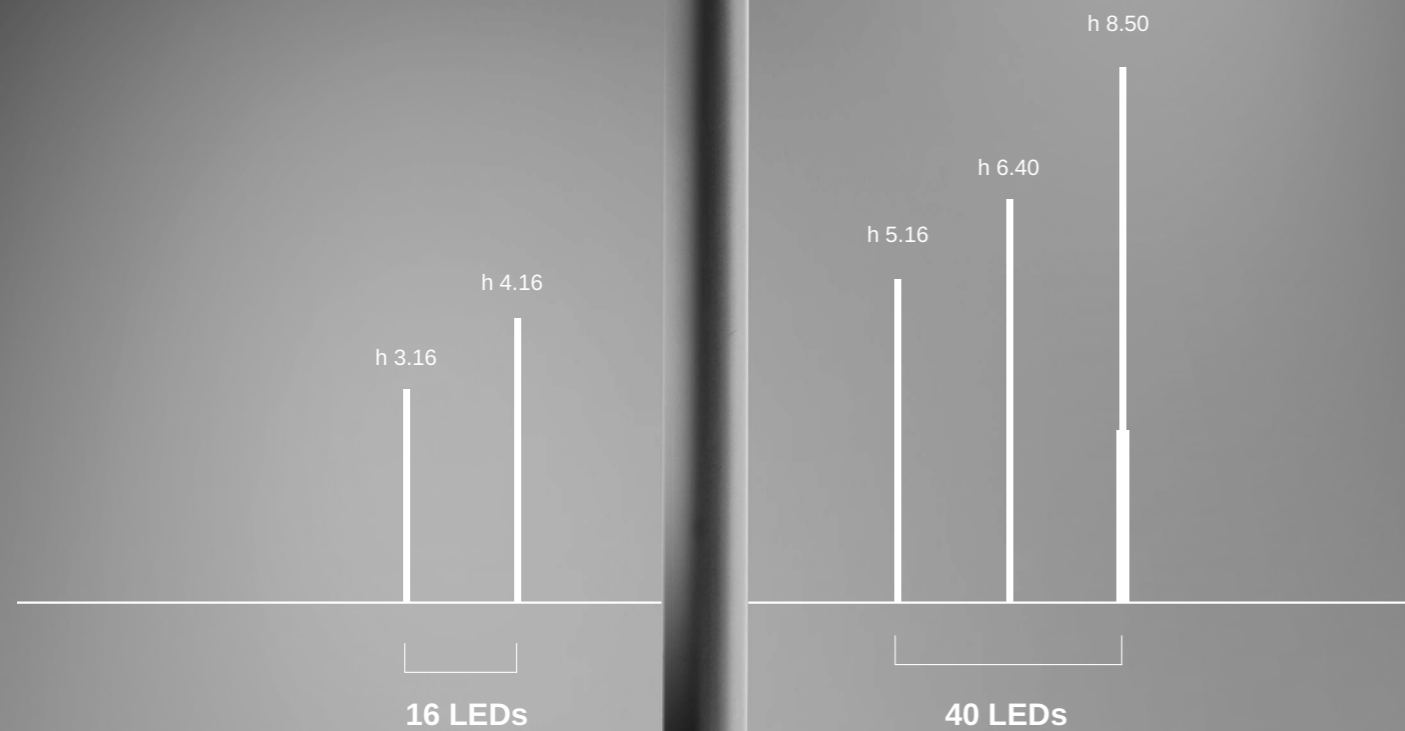
Plaza / Car Parks / Street 40 LEDs

Two dimensions to offer power and performance to various urban contexts.

The short version with 16 LEDs perfectly covers the lighting needs of cycle paths, sidewalks, paths and pedestrian areas. It is preferably installed at heights between 3 and 6 meters.

The long 40 LEDs version is perfect for street lighting and when integrated with specific optics it becomes the right element also for plazas and car parks. The installation of this version is suggested at heights between 6 meters and 8.50 meters.

Pedestrian and cycle 16 LEDs



Protection class
IP65

Isolation class
CLASS II

Mechanical resistance
IK 06

Colour
 Anthracite Grey

Fitting
Anthracite grey

Visor
Black

Technology and design, the combination for innovation.

Robust, solid and resistant to the most extreme weather conditions, Boulevard incorporates aesthetics and functionality in an elegant and not obvious design.

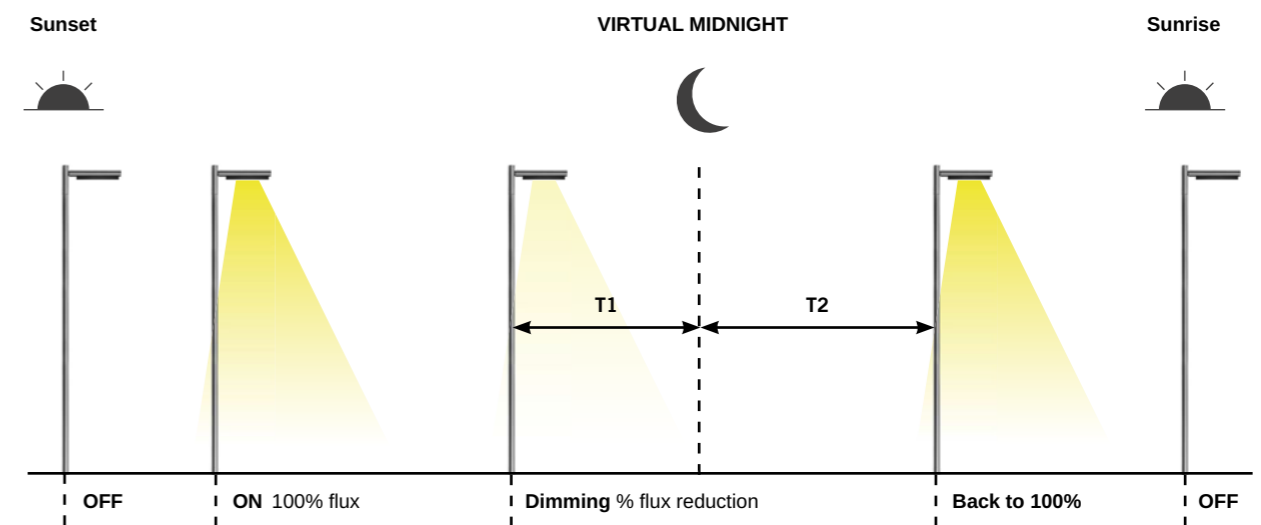
The cylindrical shape of the body creates a visual continuity with the pole while the technological part of the optics is contained in a protruding black aluminum case that characterizes the shape. The structure and the design of this optical system, visually separated from the supporting cylinder, have been designed to house different optics to give the designer the opportunity to choose the light distribution that better satisfy the urban context to be illuminated.

The product is supplied with high performing LEDs CRI>80, which guarantee a high colour rendering of the light in urban contexts.

The city of tomorrow begins today. Smart solutions for energy saving.

The control and dimming of light in the urban space is essential to achieve the correct illumination and compliance with the required standards. Boulevard is supplied standard with dimmable power supply (**DALI 2 / PUSH**). It can also be set with protocol **U6Me2** or **NFC** to activate the **VIRTUAL MIDNIGHT** mode. Boulevard can be supplied on request in special version with integrated **IoT READY ZHAGA** power supply. This leads to a dynamic light management, achieving important results of energy saving.

Control and light management



VIRTUAL MIDNIGHT

VIRTUAL MIDNIGHT mode is particularly useful in street lighting since it automatically reduces the power at certain times of the night, without the need of any other external control system. Both the level of power reduction and the times (hours before midnight T1 - hours after midnight T2) can be set on site or in the company, during the assembly phase of the product. This leads to an important optimization of the energy consumption and a consequent energy saving.

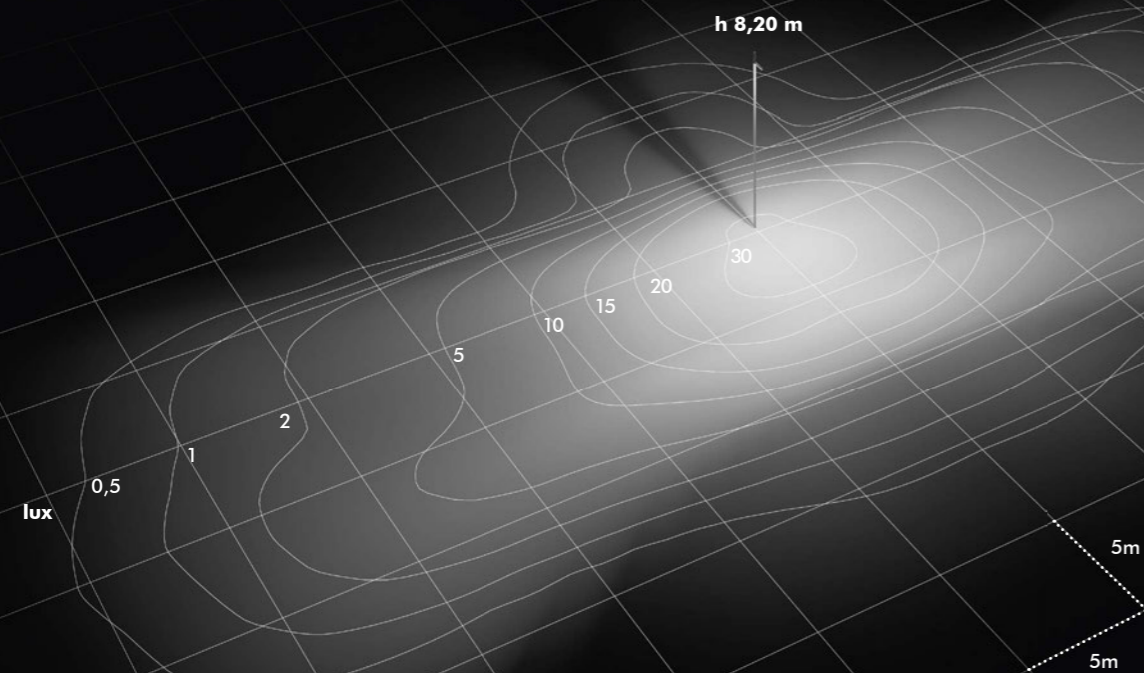
IoT Ready Zhaga

(Versions on request with price change)

This intelligent solution allows to program a reduction of the luminous flux remotely via WI-FI communication systems. When it is not required the maximum flux of fitting, as example in the middle of the night or in low vehicular and pedestrian areas, the reduction of the luminous flux will keep lighting levels within safety standards while saving energy. The system requires the addition of a special sensor on the head of the product.

Boulevard street optics

Boulevard pole top is particularly recommended to illuminate roads of category M3 and M4 (as per the european norm EN 13201) and is supplied with a highly performing and versatile optical system, suitable for a wide range of cases.



EN13201 - 2 Requirements of road for motorized traffic

Road category	Lighting Class	Luminance of the road surface of the carriageway for the dry road surface condition			Disability glare	Lighting of the surrounding
		L Minimum maintained luminance cd / m ²	U _o Overall uniformity	U _l Longitudinal uniformity		
A1	M1	2,00	0,40	0,70	10%	0,35
A2, B, C, D, F	M2	1,50	0,40	0,70	10%	0,35
B, C, E, F	M3	1,00	0,40	0,60	15%	0,30
F	M4	0,75	0,40	0,60	15%	0,30

BOULEVARD STREET OPTICS



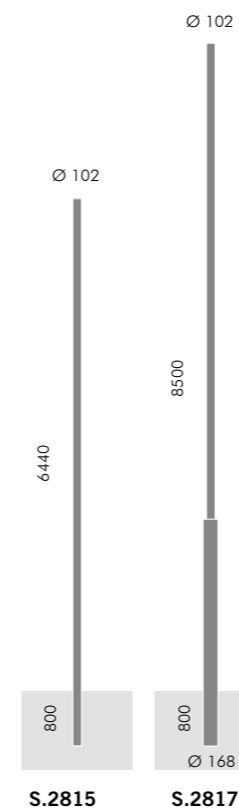
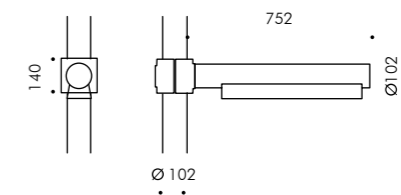
40 LEDs
Street optics

SINGLE POLE ADAPTOR 40 LEDs

S.7750N

40 HIGH-POWER LED **4000K** CRI80 12460lm
 Rated luminaire luminous flux 8678lm @ 680mA standard programme
 Rated input power 89,5W
 220V-240V AC 50/60Hz / DC dimmable **DALI 2 / PUSH**,
 settable with **U6Me2** or **NFC technology**
 Luminous flux wasted upward 0%

Version with crosswalks optic available on request.
 Version with integrated IoT READY ZHAGA power supply available on request.



POLE ACCESSORIES

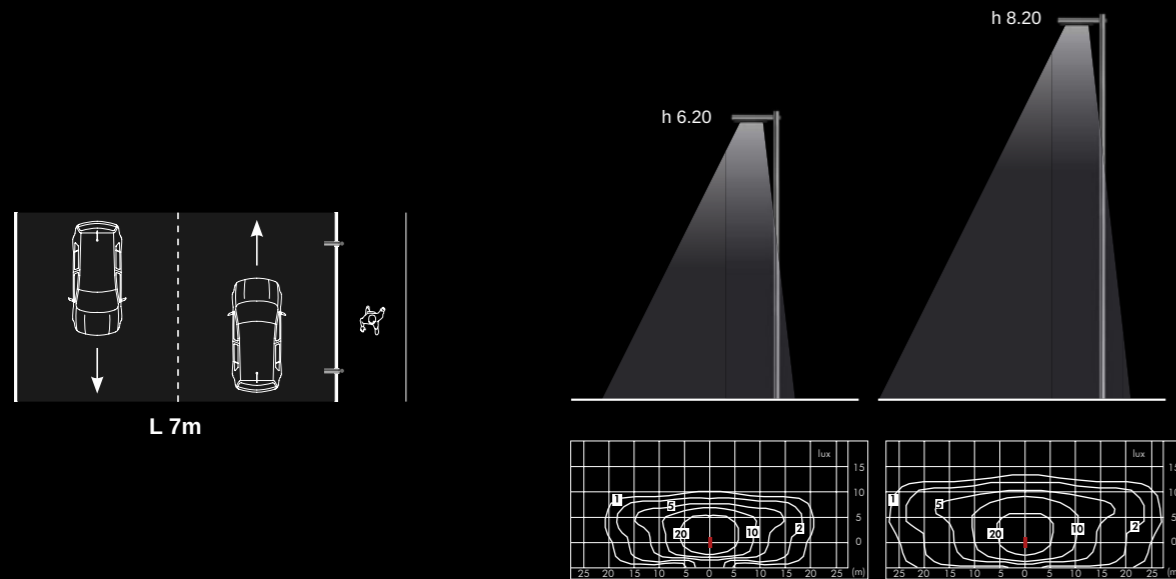
S.2815

CILINDRICAL POLE Ø 102 mm TO BE RECESSED
 Total height above ground 6440 mm
 Height of installation of the product 6200 mm

S.2817

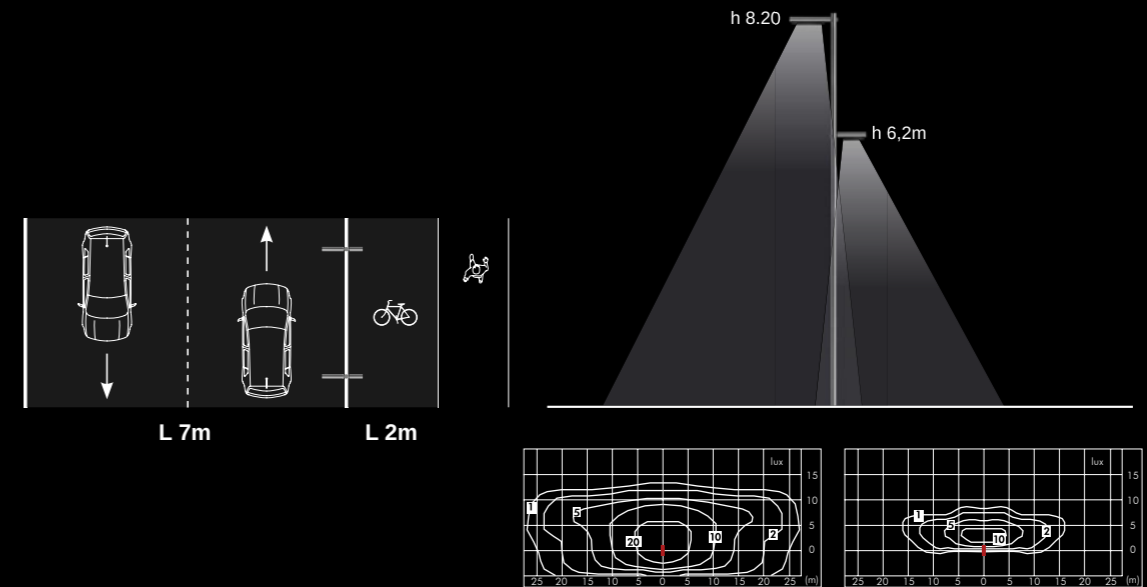
CILINDRICAL POLE WITH ATTACHMENT Ø 168 mm / Ø 102 mm TO BE RECESSED
 Total height above ground 8500 mm
 Height of installation of the product 8200 mm

Example with street optic 40 LEDs and Simes poles.
Street L 7m two-way road + path.



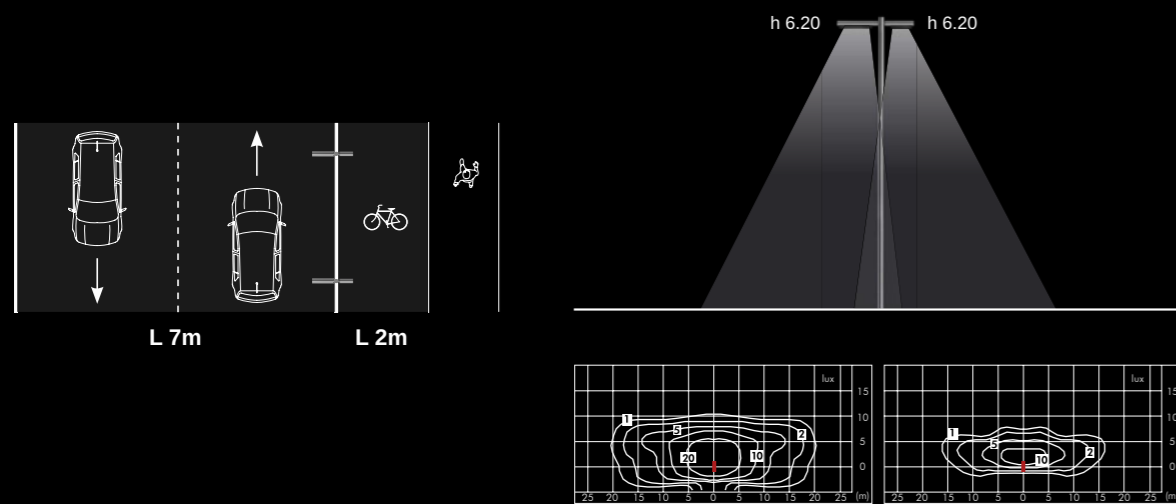
Version	40 LEDs	40 LEDs
Pole height	H 6,2 m	H 8,2 m
Dimming	Rated flux at 70%	Rated flux at 100%
Rated flux	6074 lm	8678 lm
Rated power	61 W	89,5 W
Luminaire efficacy	100 lm/W	97 lm/W
Interdistance	27 m	35 m
Street lighting cat.	M4/P3	M4/P3

Example with street optic 40 LEDs (H 8,2 m) + Cycling optic 16 LEDs (H 6,2 m) and Simes poles. Street L 7m two-way street + cycle path + pedestrian crossing.



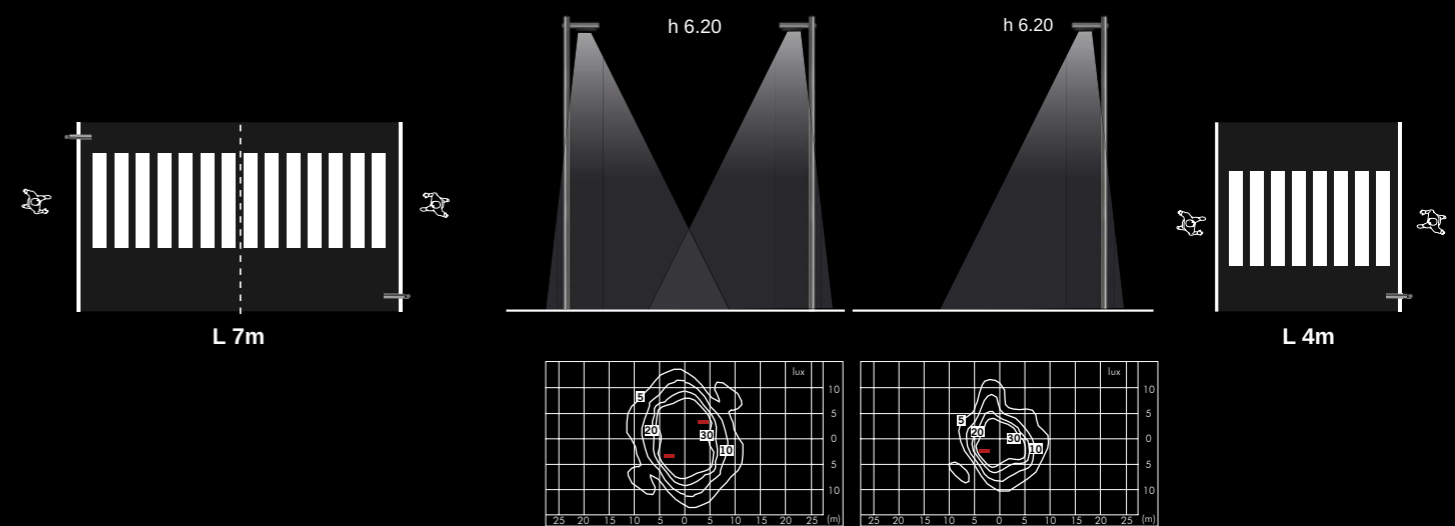
Version	40 LEDs	16 LEDs
Pole height	H 8,2 m	H 6,2 m
Dimming	Rated flux at 100%	Rated flux at 88%
Rated flux	8678 lm	1482 lm
Rated power	89,5 W	13,6 W
Luminaire efficacy	97 lm/W	109 lm/W
Interdistance	35 m	35 m
Street lighting cat.	M4	P2/P3

Example with street optic 40 LEDs (H 6,2 m) + Cycling optic 16 LEDs (H 6,2 m) and Simes poles. Street L 7m a two-way road + cycle path + path.



Version	40 LEDs	16 LEDs
Pole height	H 6,2 m	H 6,2 m
Dimming	Rated flux at 68%	Rated flux at 85%
Rated flux	5901 lm	1615 lm
Rated power	59 W	14,9 W
Luminaire efficacy	100 lm/W	109 lm/W
Interdistance	28 m	28 m
Street lighting cat.	M4	P2/P3

Example with pedestrian crossing optic 40 LEDs (on request) and Simes poles.

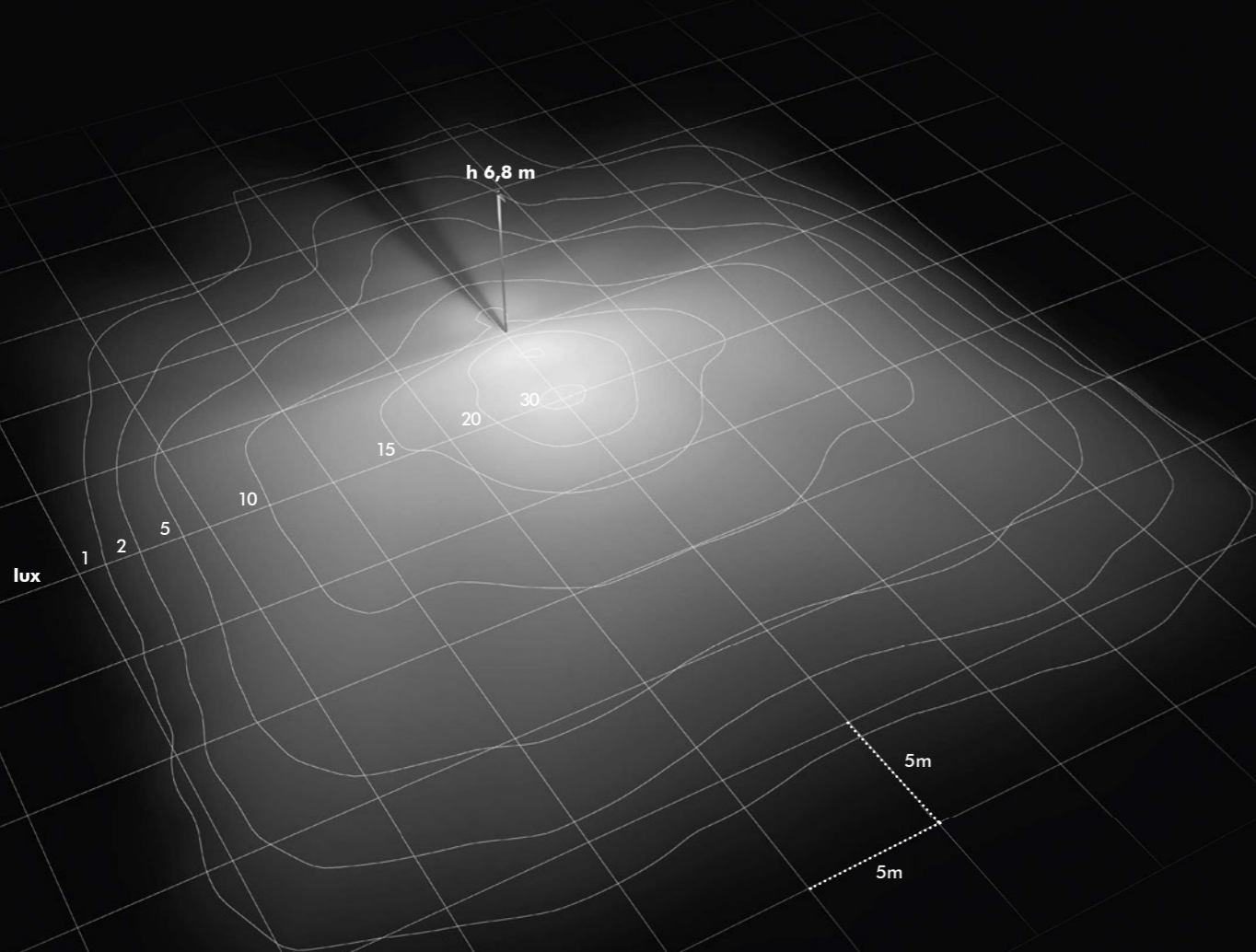


Street	Two-way street	One-way
Fitting installation	Before pedestrian crossings with respect to the direction of travel	
Version	2 x 40 LEDs	40 LEDs
Pole height	H 6,2 m	H 6,2 m
% Dimming	Rated flux at 100%	Rated flux at 100%
Rated flux	2 x 8678 lm	8678 lm
Rated power	2 x 89,5 W	89,5 W
Luminaire efficacy	97 lm/W	97 lm/W
Street lighting cat.	EV2 30lux M3 and M4	EV2 30lux M3 and M4



BOULEVARD PLAZA / CAR PARKS

Boulevard for plaza and car parks



Boulevard can hosts different optics designed to offer variety of shape and distribution of the light beam. In the version for plaza and car parks, the luminaire body houses 40 LEDs and the light spread with great uniformity in the front area of the pole.

(Boulevard can be supplied with integrated IoT READY ZHAGA power supply with price change)

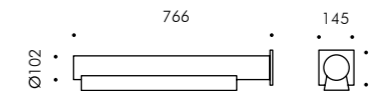


40 LEDs
Optic for plaza / car parks

WALL MOUNTED 40 LEDs

S.7620N

40 HIGH-POWER LED 4000K CRI80 12460lm
Rated luminaire luminous flux 8678lm @ 680mA standard programme
Rated input power 89,5W
220V-240V AC 50/60Hz / DC dimmable DALI 2 / PUSH,
settable with U6Me2 or NFC technology
Luminous flux wasted upward 0%

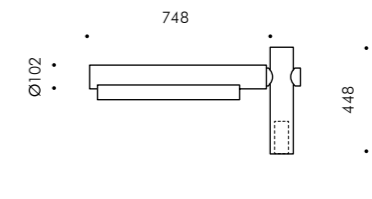


40 LEDs
Optic for plaza / car parks

SINGLE POLE TOP 40 LEDs

S.7650N

40 HIGH-POWER LED 4000K CRI80 12460lm
Rated luminaire luminous flux 8678lm @ 680mA standard programme
Rated input power 89,5W
220V-240V AC 50/60Hz / DC dimmable DALI 2 / PUSH,
settable with U6Me2 or NFC technology
Luminous flux wasted upward 0%



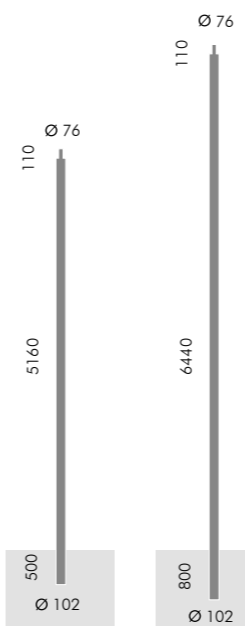
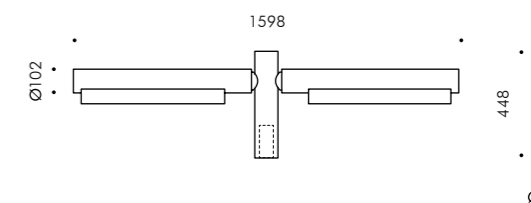
40 LEDs
Optic for plaza / car parks

40 LEDs
Optic for plaza / car parks

DOUBLE POLE TOP 40 LEDs

S.7680N

2 x 40 HIGH-POWER LED 4000K CRI80 12460lm
Rated luminaire luminous flux 2 x 8678lm @ 680mA standard programme
Rated input power 2 x 89,5W
220V-240V AC 50/60Hz / DC dimmable DALI 2 / PUSH,
settable with U6Me2 or NFC technology
Luminous flux wasted upward 0%



S.2816

S.2818

POLE ACCESSORIES

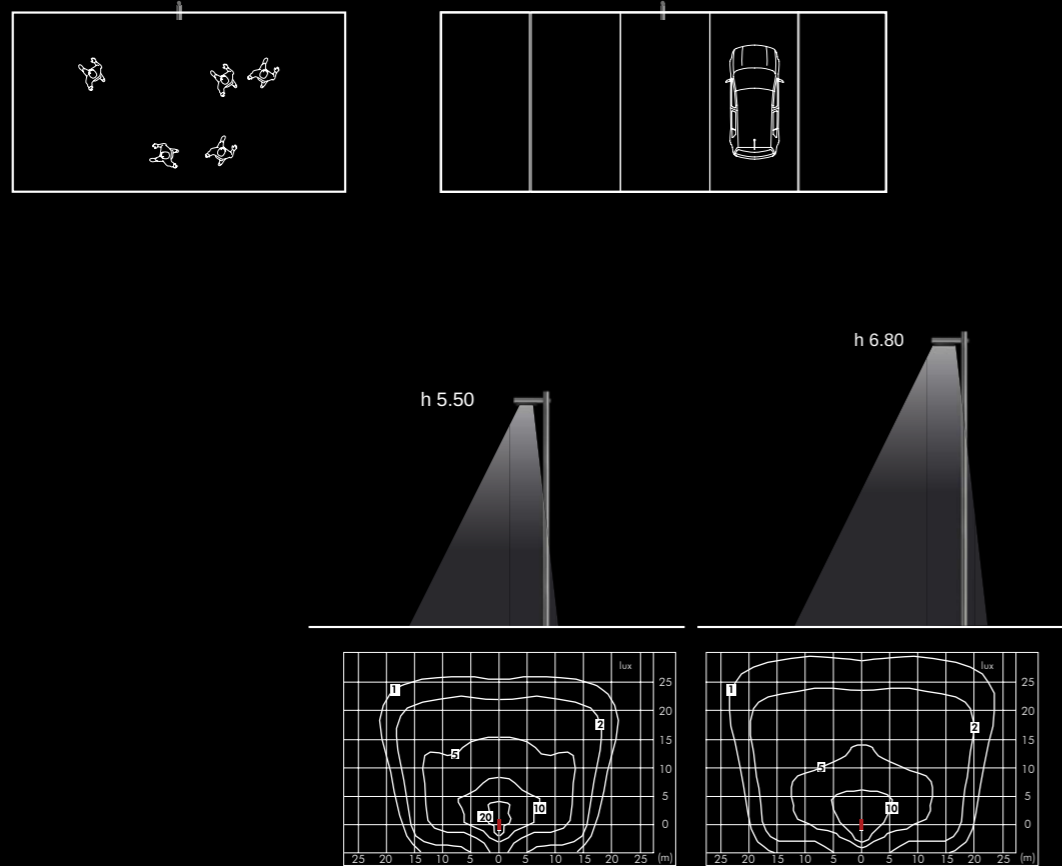
S.2816

CYLINDRICAL POLE $\varnothing 102 \text{ mm}$ TO BE RECESSED
with SPIGOT ATTACHMENT $\varnothing 76 \text{ mm}$
Total height above ground of the product + post top 5500 mm

S.2818

CYLINDRICAL POLE $\varnothing 102 \text{ mm}$ TO BE RECESSED
with SPIGOT ATTACHMENT $\varnothing 76 \text{ mm}$
Total height above ground of the product + post top 6800 mm

Example with optic for plaza and car parks 40 LEDs and Simes poles.



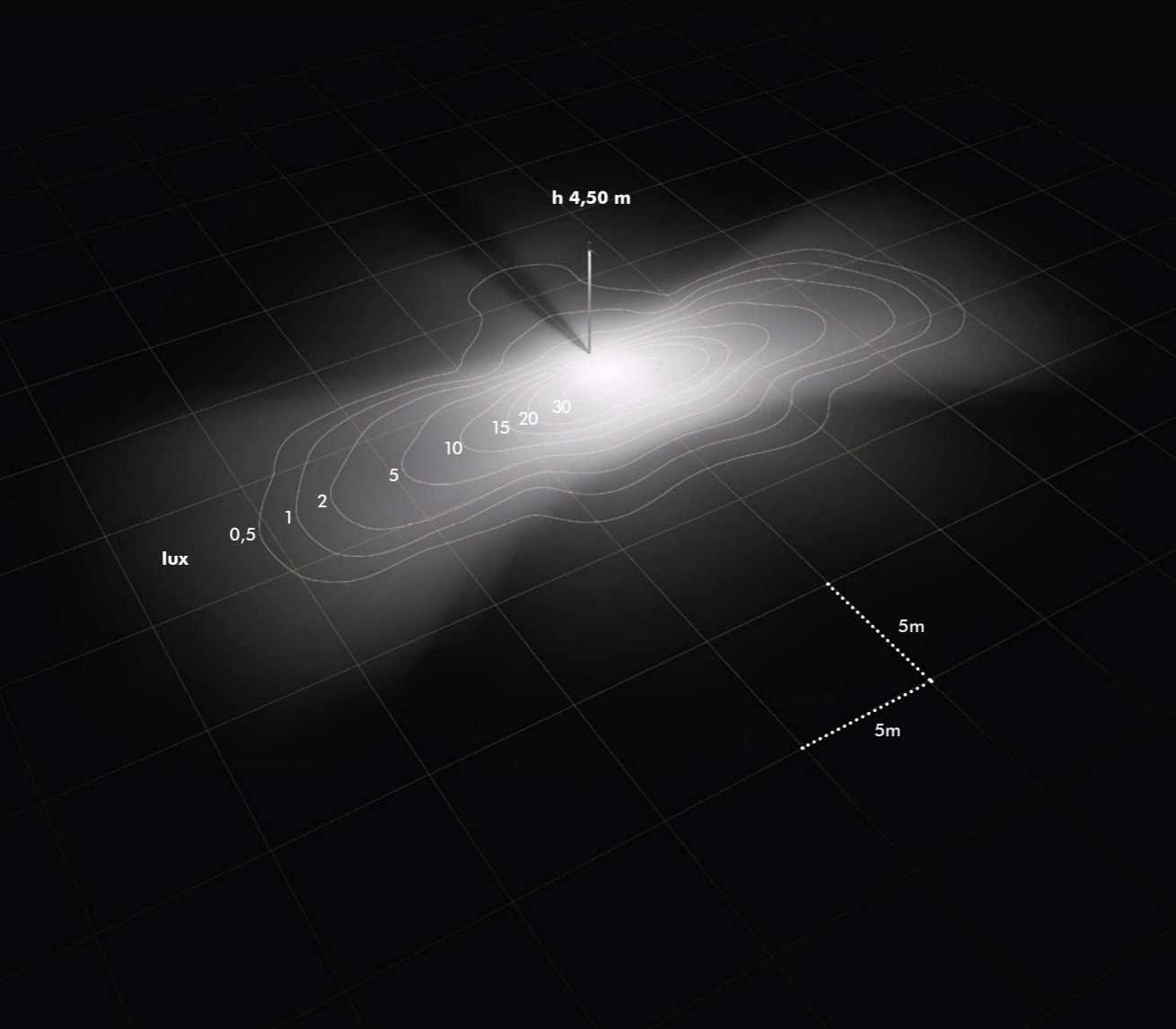
Version	40 LEDs	40 LEDs
Pole height	H 5,5m	H 6,8m
Dimming	Rated flux at 100%	Rated flux at 100%
Rated flux	8678 lm	8678 lm
Rated power	81,6 W	81,6 W
Luminaire efficacy	106 lm/W	106 lm/W
Illuminated area and lighting category	22 x 15 m (P1)	-
	25 x 17 m (P2)	-
	-	30 x 20 m (P3)

EN13201 - 2 Requirements for plaza and car parks

Lighting Class	Horizontal illuminance	
	E_{av} Average horizontal illuminance	E_{min} Minimum horizontal illuminance
P1	15,00	3,00
P2	10,00	2,00
P3	7,50	1,50
P4	5,00	1,00
P5	3,00	0,60
P6	2,00	0,40
P7	---	---



Boulevard pedestrian and cycling path



Boulevard 16 LEDs with cyclo-pedestrian optics distributes its performing beam in a narrow and longitudinal way. It is available in pole head version or with collar connection. The latter can be installed in combination with Boulevard street optics 40 LEDs.



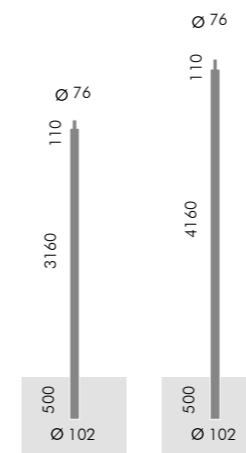
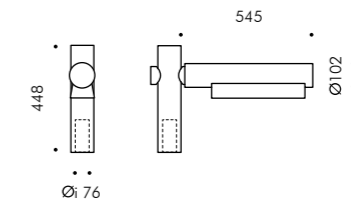
16 LEDs
Optic for cycling areas

SINGLE POLE TOP 16 LEDs

S.7640N

16 HIGH-POWER LED 4000K CRI80 2776lm
Rated luminaire luminous flux 1900lm @ 350 mA standard programme
Rated input power 17,6W
220V-240V AC 50/60Hz / DC dimmable DALI 2 / PUSH,
settable with U6Me2 or NFC technology
Luminous flux wasted upward 0%

(Boulevard can be supplied with integrated IoT READY ZHAGA power supply with price change)



S.2810

S.2811

POLE ACCESSORIES

S.2810

CYLINDRICAL POLE Ø 102 mm TO BE RECESSED
with SPIGOT ATTACHMENT Ø 76 mm
Total height above ground of the product + post top 3500 mm

S.2811

CYLINDRICAL POLE Ø 102 mm TO BE RECESSED
with SPIGOT ATTACHMENT Ø 76 mm
Total height above ground of the product + post top 4500 mm



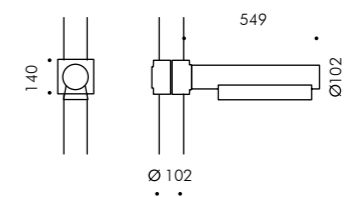
16 LEDs
Optic for cycling areas

SINGLE POLE ADAPTOR 16 LEDs

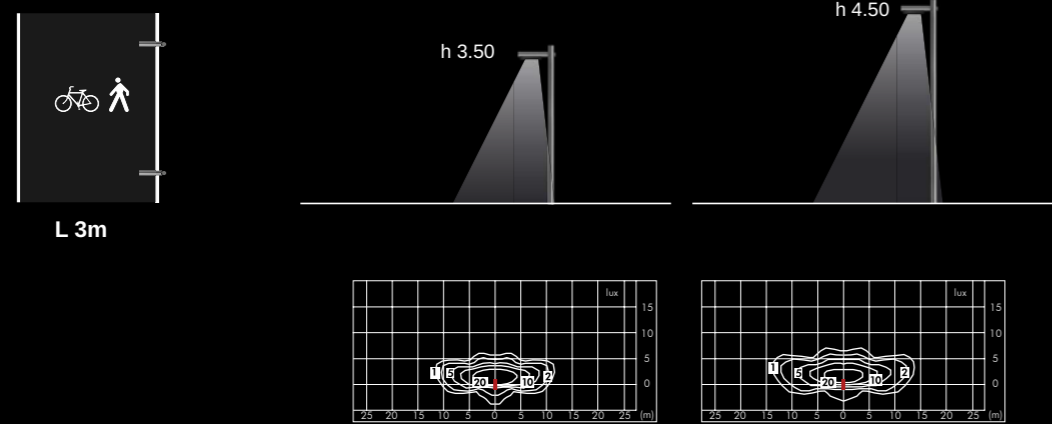
S.7740N

16 HIGH-POWER LED 4000K CRI80 2776lm
Rated luminaire luminous flux 1900lm @ 350 mA standard programme
Rated input power 17,6W
220V-240V AC 50/60Hz / DC gradable dimmable DALI 2 / PUSH,
settable with U6Me2 or NFC technology
Luminous flux wasted upward 0%

(Boulevard can be supplied with integrated IoT READY ZHAGA power supply with price change)



Example with optic for pedestrian and cycling path 16 LEDs (L 3m) and Simes poles.



Version	16 LEDs	16 LEDs
Pole height	H 3,5 m	H 4,5 m
Dimming	Rated flux at 100%	Rated flux at 100%
Rated flux	1900 lm	1900 lm
Rated power	17,6 W	17,6 W
Luminaire efficacy	108 lm/W	108 lm/W
Interdistance	21 m	24 m
Street lighting cat.	P2	P2

EN13201 - 2 Requirements for pedestrian and cycling path

Lighting Class	Horizontal illuminance	
	E_{av} Average horizontal illuminance	E_{min} Minimum horizontal illuminance
P1	15,00	3,00
P2	10,00	2,00
P3	7,50	1,50
P4	5,00	1,00
P5	3,00	0,60
P6	2,00	0,40
P7	---	---





SIMES

luce per l'architettura

SIMES S.p.A. VIA G. PASTORE 2/4 - 25040 CORTE FRANCA (BRESCIA) - ITALY
Tel. (+39) 030 9860411 - Fax (+39) 030 9828308
simes@simes.com - www.simes.com