

# CITY ELEMENTS 200

Evolution in light and multifunctionality



.hess



**More than just a luminaire.**

CITY ELEMENTS, a comprehensive lighting system, answers virtually every urban lighting need and even more.

Thanks to the variety and versatility of its elements, diameters of 180mm, 200mm and 230 and variable heights up-to-9-metre and even above, the system easily configures to match its specific architectural environment proportionately.

**CITY ELEMENTS 200 – the new cutting edge**

With the new CITY ELEMENTS 200, Hess is bringing together the advantages and decades of experience of the globally successful CITY ELEMENTS 180 and CITY ELEMENTS 230 in an innovative yet simple illuminating column. With a diameter of 200 mm as well as many innovations and new features, the CITY ELEMENTS 200 is the new cutting edge, destined for use in attractive design and supply concepts in urban areas.

**A holistic solution for cities**

The potential of CITY ELEMENTS 200 goes far beyond illumination: The most innovative LED technology and individually combinable basic, intermediate and terminating elements offer a variety of additional features and supply solutions for the urban requirements of today and tomorrow – whether loudspeakers, cameras, spotlights, power and water connections, or charging infrastructures for e-mobility. Despite this versatility, it is extremely easy to handle, that is to say, easy to set up and easy to install.

CITY ELEMENTS 200: Simply variable, simply multifunctional – simply smart.





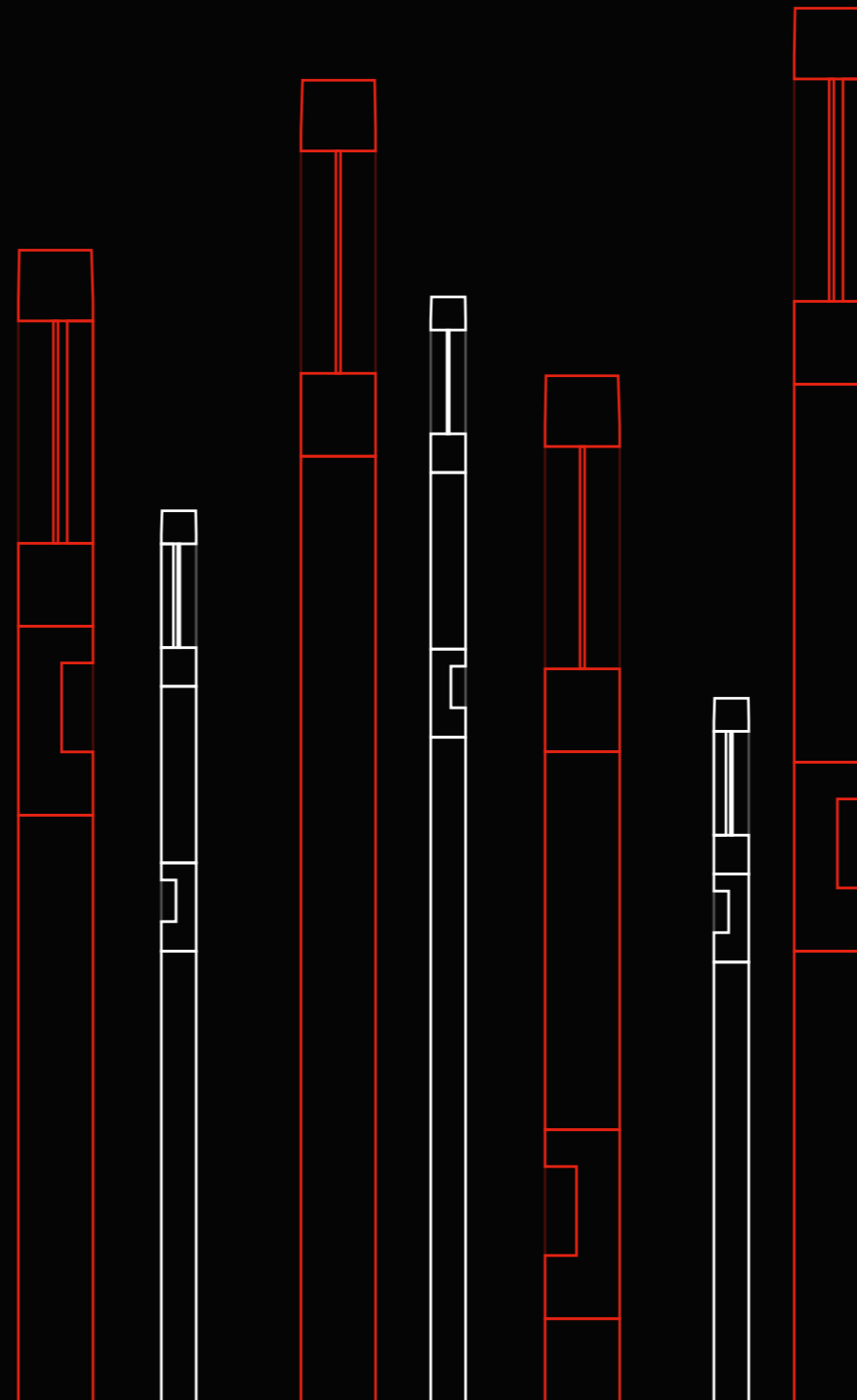
**1** Optimum integration in both modern and older architectural settings.

**2** Various column heights configurable with multiple varied optical systems.

**3** Extremely efficient due to high-efficacy LED-technology.

**4** Ideal for numerous lighting and utility functions for Cities and Municipalities (WLAN, security solutions, public address speakers, electricity and water supply, RGB, projectors, e-mobility charging infrastructure).

**5** Minimum installation work – only 1 tool. Extremely easy to install and handle – in all weathers.



- AREA LIGHTING
- FAÇADE LIGHTING
- WALKWAY LIGHTING
- STREET LIGHTING
- ACCENT LIGHTING



Area lighting

Street lighting

Street and  
façade illumination

Street and  
façade illumination

Street, walkway and  
area lighting



## CITY ELEMENTS – GET CREATIVE!

With Hess' CITY ELEMENTS, both your creativity and the column's future uses are free to develop, as need dictates – now and in the future.

CITY ELEMENTS delivers more than unlimited lighting potential, adding many useful functions and expanding your creative repertoire.

Light and multifunctionality.

**1** Light + communication (display integrated in the column for temperature/date/UV radiation/ozone/pollen)

**2** Security solutions (for example camera)

**3** Emergency call functions

**4** Electricity and water supply

**5** WLAN

**6** E-mobility charging infrastructure



OUR CITY ELEMENTS  
EVOKE EMOTION

The ability to customize the colour scheme of illuminating columns can intensify emotions. Colour is a powerful design element. Colour adds character and is a truly urban element. Which makes colour a CITY ELEMENT.

Whether white, red, green, grey, blue or black— which colour is your colour?

CITY ELEMENTS by Hess. Individual and unique.



## CITY ELEMENTS 200

Thanks to its completely new design and construction, it takes just a few simple movements and simple tools to allow the CITY ELEMENTS 200 to be quickly and effortlessly...

... set up, added to, scaled down or retrofitted according to modular principles – in any weather!

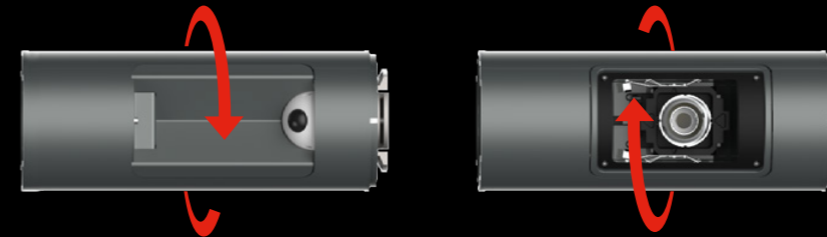
We make this a reality on the basis of a completely new concept. This means the illuminating column consists of initially empty basic and intermediate elements. This basic framework is then equipped as needed with self-contained and thus sealed elements, so-called inserts. These inserts are simply placed into the recesses provided and affixed, without it being necessary to open them, resulting in a whole new dimension of simplicity.

The terminating elements are factory sealed and only need to be put on and connected.

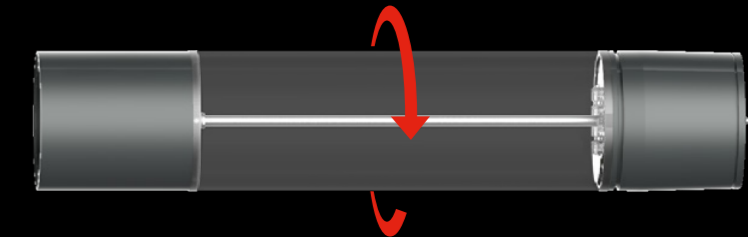
CITY ELEMENTS 200 by Hess – modularity and simplicity par excellence.



BASE ELEMENT



INTERMEDIATE  
ELEMENT



TOP ELEMENT



## MOUNTING

The CITY ELEMENTS 200 consists of individual, open-tube elements with fixed standard heights – and corresponding recesses for the (multifunctional) elements, the inserts. These tube elements are affixed from the outside by four screws attached in a narrow shadow gap.

The internal mechanism guarantees absolutely secure connection of the individual elements without restricting their rotation.

## ROTATING

The intermediate and terminating elements can be steplessly rotated by 360° and aligned as needed before the mechanical inner closure is finally tightened – in an unproblematic and simple manner.

After that, the element can also be easily adjusted by slight unscrewing of the screws.

## EQUIPPING

The multifunctional elements, such as the lighting and supply modules, are available as self-contained inserts and are placed into the recesses provided for the tube elements.

Fine alignment of the reflector in a light element can be accomplished after opening the cover of the insert from the front with a simple hand movement. Each individual multifunctional or illuminating element is connected individually to the cable junction box in the basic element.

The steps of installation and putting into service are separated in this way. Or in other words: Installation and handling is made easy – while ingress of humidity is prevented (no opening) regardless of prevailing weather conditions.

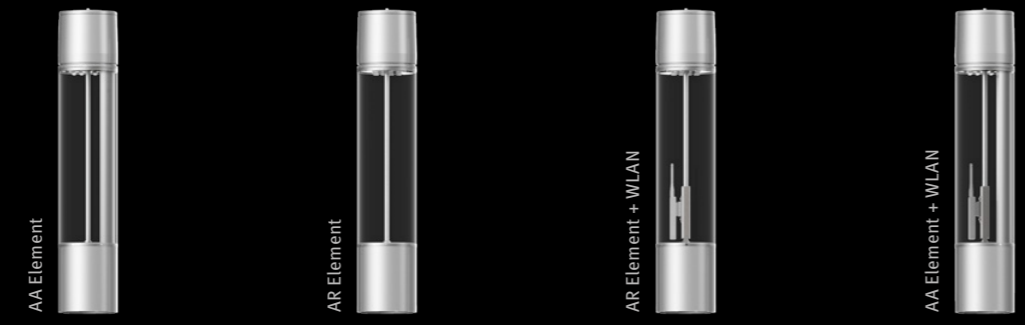
## STYLING

Thanks to its modular system, the CITY ELEMENTS 200 can be individually tailored to your needs, impressing in every configuration with its elegant design – a design made for attractive styling and supply solutions in modern and historical surroundings – and with a diameter that guarantees a wide variety of multifunctional possibilities while simultaneously meeting the highest aesthetic standards.



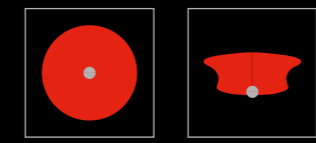


**TOP ELEMENT**



**OPTICAL SYSTEM 1**  
downwards

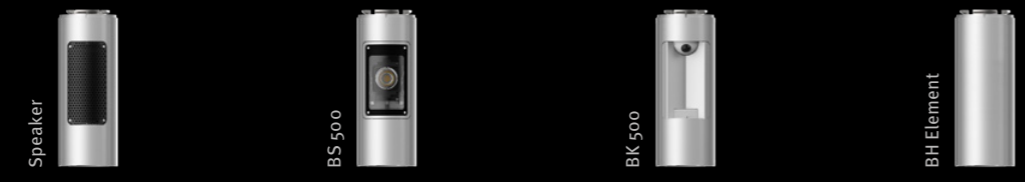
**L1.9 / LEVO3**  
LED-module for asym. & sym.  
street or area lighting



Rot. sym      Asym.

L1

**INTERMEDIATE ELEMENT**



**OPTICAL SYSTEM 3**  
lateral

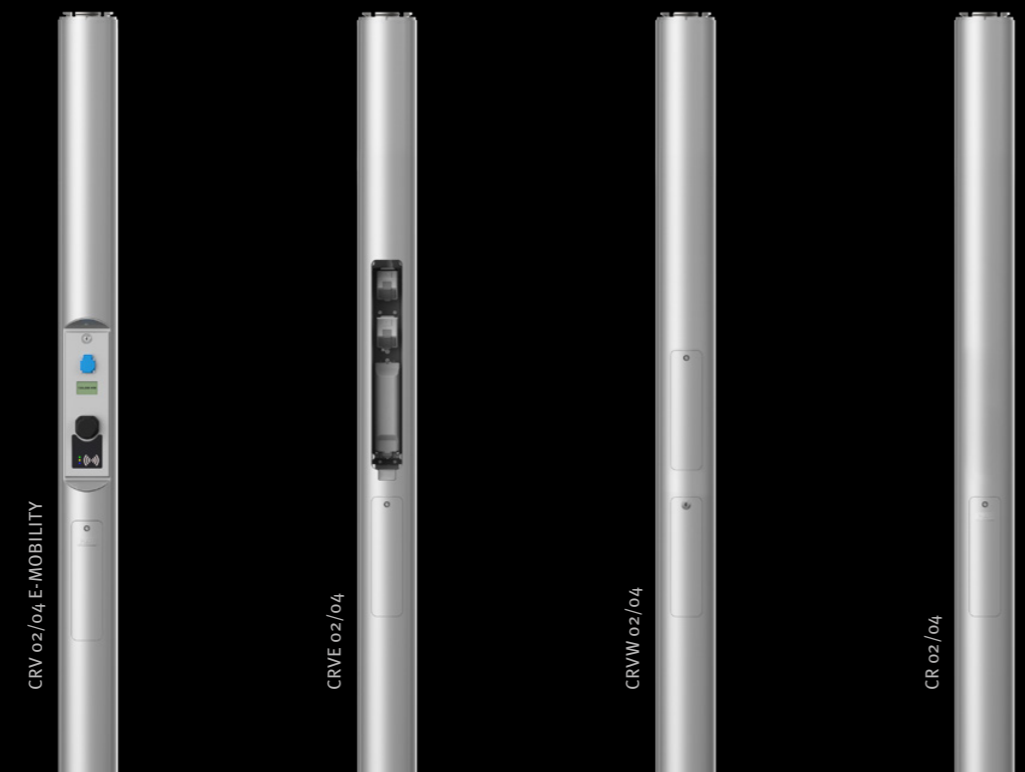
**L3.1** Reflector  
Asym. distribution area/walkway lighting downwards  
LED

**L3.2** Reflector  
Asym. distribution for facade lighting upwards  
LED

**L3.3** Rot. sym. reflector  
-35° up to +35° inclinable for facade lighting  
LED

L3

**BASE ELEMENT**





## CITY ELEMENTS 200



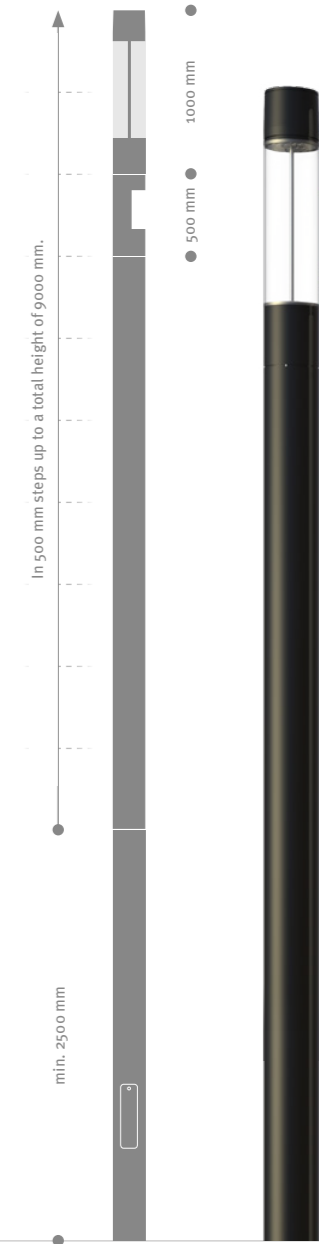
Product information  
[www.hess.eu/3400](http://www.hess.eu/3400)

Hess columnar lighting system with top, base and, if required, intermediate extension elements. Constructed from round aluminium section. 200 mm diameter, for a maximum height of 9 m. All of the elements pivot through 360°. As a standard painted in DB 703. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

If illuminated columns are installed up to a total installation height of 5500 mm, the total length of the embedded base or attached embedded base is 800 mm. If illuminated columns are installed up to a total installation height of 6000 to 9000 mm, the total length of the base is 1200 mm.

### CHOOSE YOUR HEIGHT:

Starting from the base element with a minimum height of 2500 mm, it can be extended in 500 mm steps according to your wishes and the needs of the lighting situation. CITY ELEMENTS 200 reaches a maximum total height of up to 9000 mm.







### Top Element AR | CITY ELEMENTS 200-2

Terminating element made of aluminium. Ø 200 mm, for asymmetrical or rotationally symmetrical plaza and street lighting, foot and cycle path lighting, and carpark lighting. Without inspection door. Luminaire glass made of PMMA, element height 1000 mm. Colour: DB 703.

Ingress protection IP 65, IK 07, protection class I/II, CE

Optional: WLAN. Night-time dimming with or without control line. DALI dimming and special shapes.



### Top Element AA | CITY ELEMENTS 200-2

Terminating element made of aluminium with inner 120° shade. Ø 200 mm, for asymmetrical plaza or street lighting, foot and cycle path lighting, and carpark lighting. Without inspection door. Luminaire glass made of PMMA, element height 1000 mm. Colour: DB 703.

Ingress protection IP 65, IK 07, protection class I/II, CE

Optional: WLAN. Night-time dimming with or without control line. DALI dimming and special shapes.



### Intermediate Element BS 500 | CITY ELEMENTS 200-2

Intermediate element made of aluminium. Ø 200 mm, with side recess for receiving an insert. Insert with lateral light emission for asymmetrical or symmetrical illumination of plazas, paths and façades. Lateral PMMA cover, clear. Element height 500 mm. Colour: DB 703.

Ingress protection IP 65, IK 07, protection class I/II

Note: With L3.3 LED optionally 18°, 28° or 46° emission characteristics.

Optional: Ribbed glass. Night-time dimming with or without control line. DALI dimming and special shapes.



### Intermediate Element BK 500 | CITY ELEMENTS 200-2

Intermediate element made of aluminium. Ø 200 mm, with integrated camera and lining of the recess without additional element cover. Camera field of view approx. 120°, lens inclinable by up to -90°. Connection and extension provided by the customer. Connection only via PoE, 48V, 0.5A, max. connected load 4.5 W. Element height 500 mm. Colour: DB 703.

Ingress protection IP 66, IK 10, CE



### Intermediate Element Speaker | CITY ELEMENTS 200-2

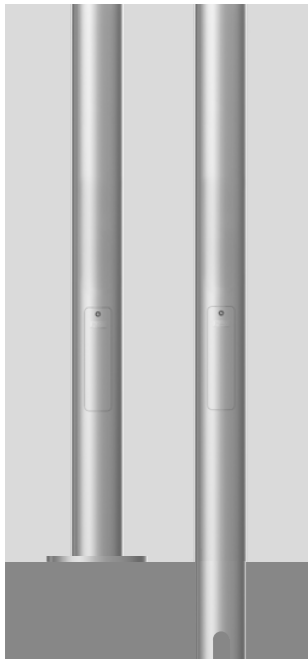
Intermediate element made of aluminium. Ø 200 mm, with integrated loudspeaker and perforated metal cover. Connection and extension provided by the customer. Beam angle 170° H x 160° V, continuous load capacity 216 W (64 W peak), nominal impedance 8 Ω (transformer bypassed). Element height 500 mm. Colour: DB 703.

Protection class IP 55, CE



### Intermediate Element BH | CITY ELEMENTS 200-2

Intermediate element made of aluminium. Ø 200 mm. Element height min. 500 mm. Prolongable in 500 mm steps. Colour: DB 703.



### Base Element CR02/04 | CITY ELEMENTS 200-2

Basic element made of aluminium tubing for a total column height up to 9000 mm. ø 200 mm, with inspection door and top C rail for cable junction box. Element height at least 2500 mm above the ground. External fixing via welded flange plate Q400/25 mm or Q400/35 mm. Colour: DB 703

### Base Element CR03 | CITY ELEMENTS 200-2

Basic element made of aluminium tubing for a total column height up to 9000 mm. ø 200 mm, with inspection door and top C rail for cable junction box. Element height at least 2500 mm above the ground. Secured by attached embedded base. Length of base 800 or 1200 mm, depending on total height, with two cable entry openings. Colour: DB 703.

### Base CR02/CRV02 | CITY ELEMENTS 200-2

Embedded base for basic element CR02/CRV02. Made of steel, galvanized. With connecting screws. With two cable entry openings. Length of base 800 or 1200 mm, depending on total column height.



### Base Element CRVE02/04 | CITY ELEMENTS 200-2

Basic element made of aluminium tubing for a total column height up to 9000 mm. ø 200 mm, with two inspection doors and top C rail below for cable junction box. Inspection door above for customer-provided supply unit, door with cable outlet and cylinder lock for operation with the door closed. Element height at least 2500 mm above the ground. External fixing via welded flange plate Q400/25 mm or Q400/35 mm. Colour: DB 703.

### Base Element CRVE03 | CITY ELEMENTS 200-2

Basic element made of aluminium tubing for a total column height up to 9000 mm. ø 200 mm, with two inspection doors and top C rail below for cable junction box. Inspection door above for supply unit, door with cable outlet and cylinder lock for operation with the door closed. Element height at least 2500 mm above the ground. Secured by attached embedded base. Length of embedded base 800 or 1200 mm, depending on attachment height, with two cable entry openings. Colour: DB 703.



### Base Element CRVW02/04 | CITY ELEMENTS 200-2

Basic element made of aluminium tubing for a total column height up to 9000 mm. ø 200 mm, with two inspection doors and top C rail above for cable junction box. Lower inspection door for supply unit OF 01, 1 x outlet valve 3/4" with aerator in discharge shape and backflow preventer. 1 x oblique seat shut-off valve 3/4" with backflow preventer and drain. Door with cylinder lock for operation with the door open. Element height at least 2500 mm above the ground. External fixing via welded flange plate Q400/25 mm or Q400/35 mm. Colour: DB 703.

### Base Element CRVW03 | CITY ELEMENTS 200-2

Basic element made of aluminium tubing for a total column height up to 9000 mm. ø 200 mm, with two inspection doors and top C rail above for cable junction box. Lower inspection door for supply unit OF 01, 1 x outlet valve 3/4" with aerator in discharge shape and backflow preventer. 1 x oblique seat shut-off valve 3/4" with backflow preventer and drain. Door with cable outlet and cylinder lock for operation with the door closed. Element height at least 2500 mm above the ground. Secured by attached embedded base. Length of embedded base 800 or 1200 mm, depending on attachment height, with two cable entry openings. Colour: DB 703.



### Base Element CRV02/04 E-MOBILITY | CITY ELEMENTS 200-2

Basic element made of aluminium tubing for a total column height up to 6000 mm. ø 200 mm, with inspection door and top C rail below for cable junction box. EBEE charger above with charging socket: type 2 (3-phase, 400VAC, 32A), automatic locking, rated power up to 22 kW, earthed socket (1-phase, 230VAC, up to 16A), integrated meter EHZ - EDL 21/40, meter display, status indicator: LED (green, yellow, blue), LCD optional, authorisation/activation: RFID Mifare Classic, via SMS or mobile app (iPhone, Android). Element height at least 2500 mm above the ground. Mounting via welded flange plate Q400/35 mm. Colour: DB 703.



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March 2018

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