CITY ELEMENTS

Lighting and Other Functions

hess

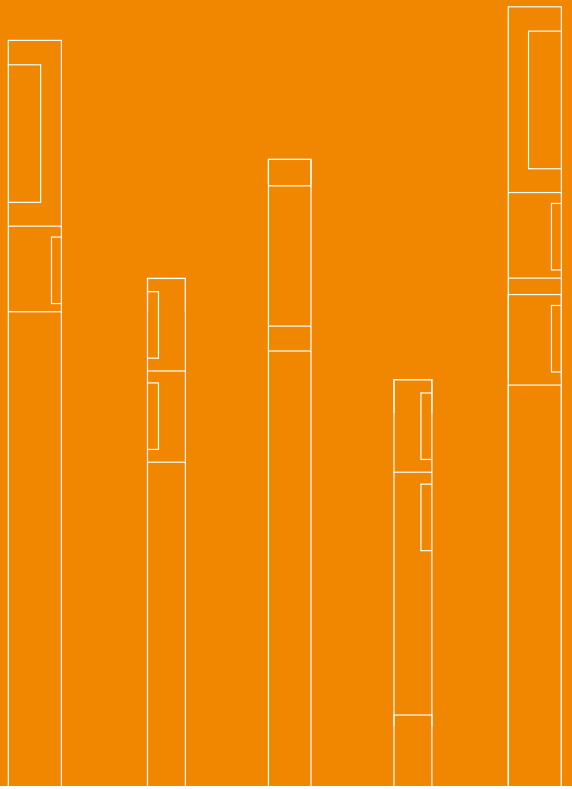
Hess . A member of the Nordeon Group Fox Design AB Tellusgången 8, 126 26 Hägersten Telefonplan www.foxdesign.se 08-440 85 40

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

Proportionate to its surroundings.
Thanks to the variety and versatility of its elements, two diameters and up-to-9-metre height, the system easily configures to match its specific architectural environment proportionately.

A holistic solution for cities.
The CITY ELEMENTS product family's diversity, however, goes beyond just lighting, offering architects and planners an ideal means to place public utilities, such as electricity, water, CCTV systems, etc., exactly where they're needed. The potential is unlimited!

CONFIGURATOR: www.hess.eu/3400



CITY ELEMENTS – THE LIGHTING SYSTEM

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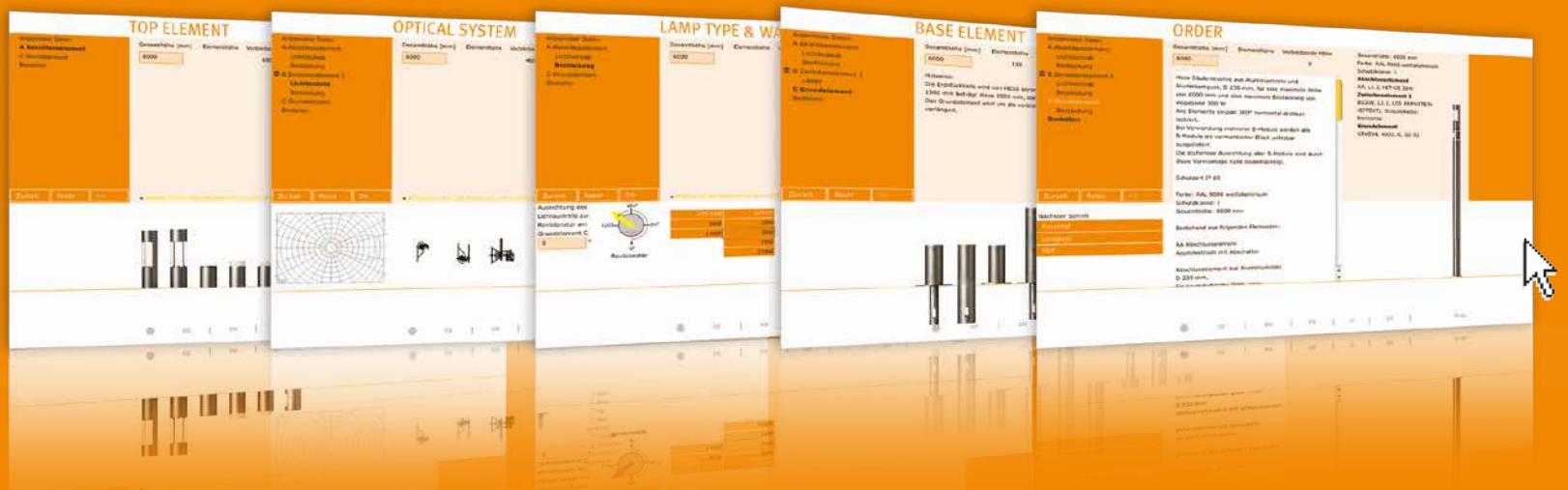
CITY ELEMENTS CONFIGURATOR

Architects, lighting designers, cities, utilities and decision-makers can put together their own CITY ELEMENTS at hess.eu/3400.



SELECT THE ELEMENTS AND PUT THEM TOGETHER.

With the CITY ELEMENTS Configurator, you can select and combine the various elements, reflectors and lamps based on your specific requirements.

CONFIGURE – PRINT PDF – ORDER YOUR LUMINAIRE

Once you have configured your own CITY ELEMENTS system, you can download a PDF with the data and order the system direct from Hess.

Configure your own CITY ELEMENTS system at
www.hess.eu/3400

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Titisee-Neustadt . Germany

1

Optimum integration in both modern and older architectural settings.

3

Extremely efficient due to high-efficacy electronic components and optics.

Ludwigshafen . Germany

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2

Two diameters, various column heights and configurable with multiple varied optical systems.

4

Ideal for numerous lighting and utility functions, including water, power, CCTV systems, projectors, colours, public address speakers, WLAN, etc.

AREA LIGHTING

FACADE LIGHTING

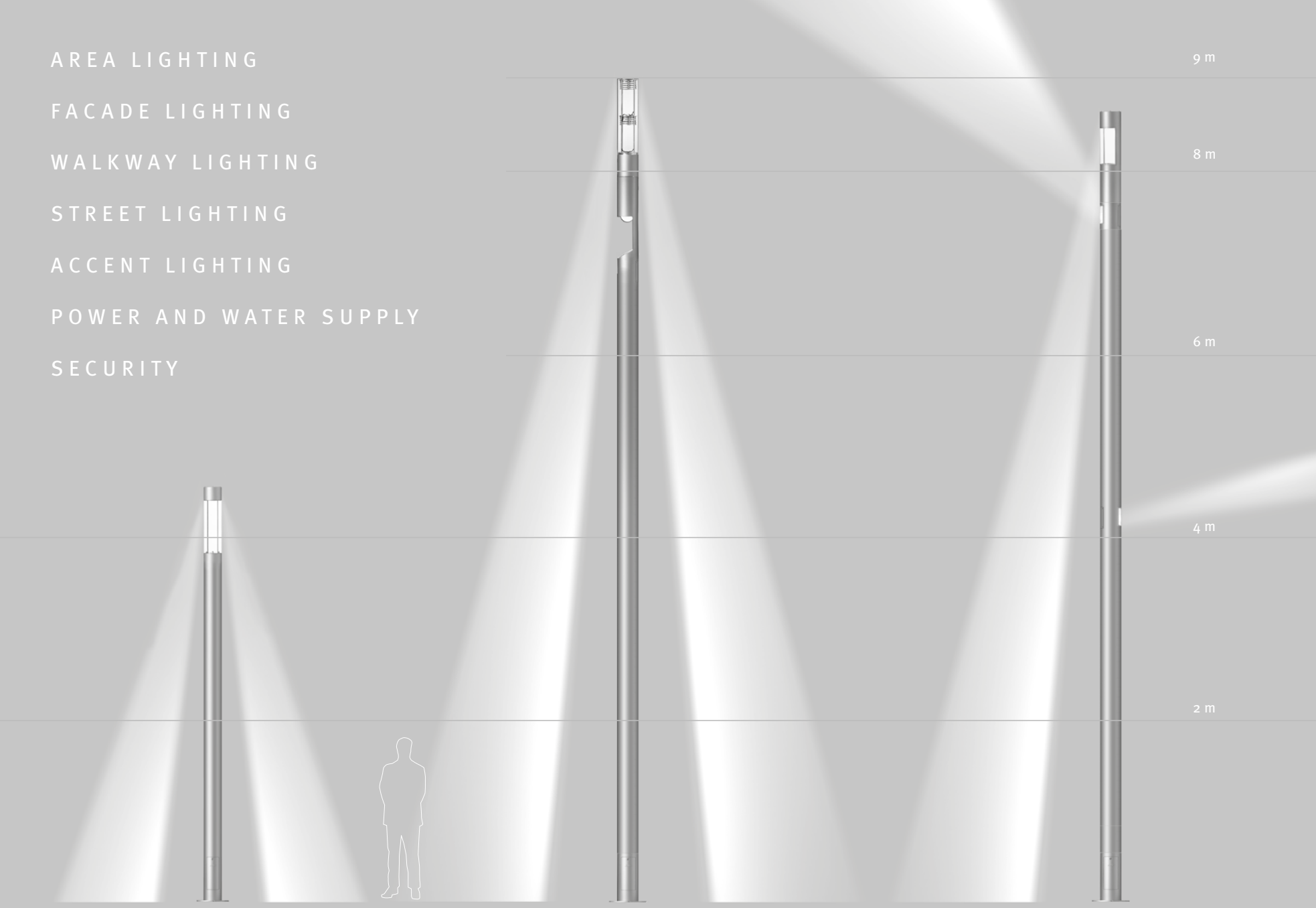
WALKWAY LIGHTING

STREET LIGHTING

ACCENT LIGHTING

POWER AND WATER SUPPLY

SECURITY



CITY ELEMENTS 230

Area lighting

CITY ELEMENTS 230

Street lighting with two reflectors
and camera element

CITY ELEMENTS 230

Street and
facade illumination

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CITY ELEMENTS 230

Street lighting and
projector element

CITY ELEMENTS 230

Ground bollard

CITY ELEMENTS 180

Street and
facade illumination

CITY ELEMENTS 180

Illuminating bollard for walkway
illumination

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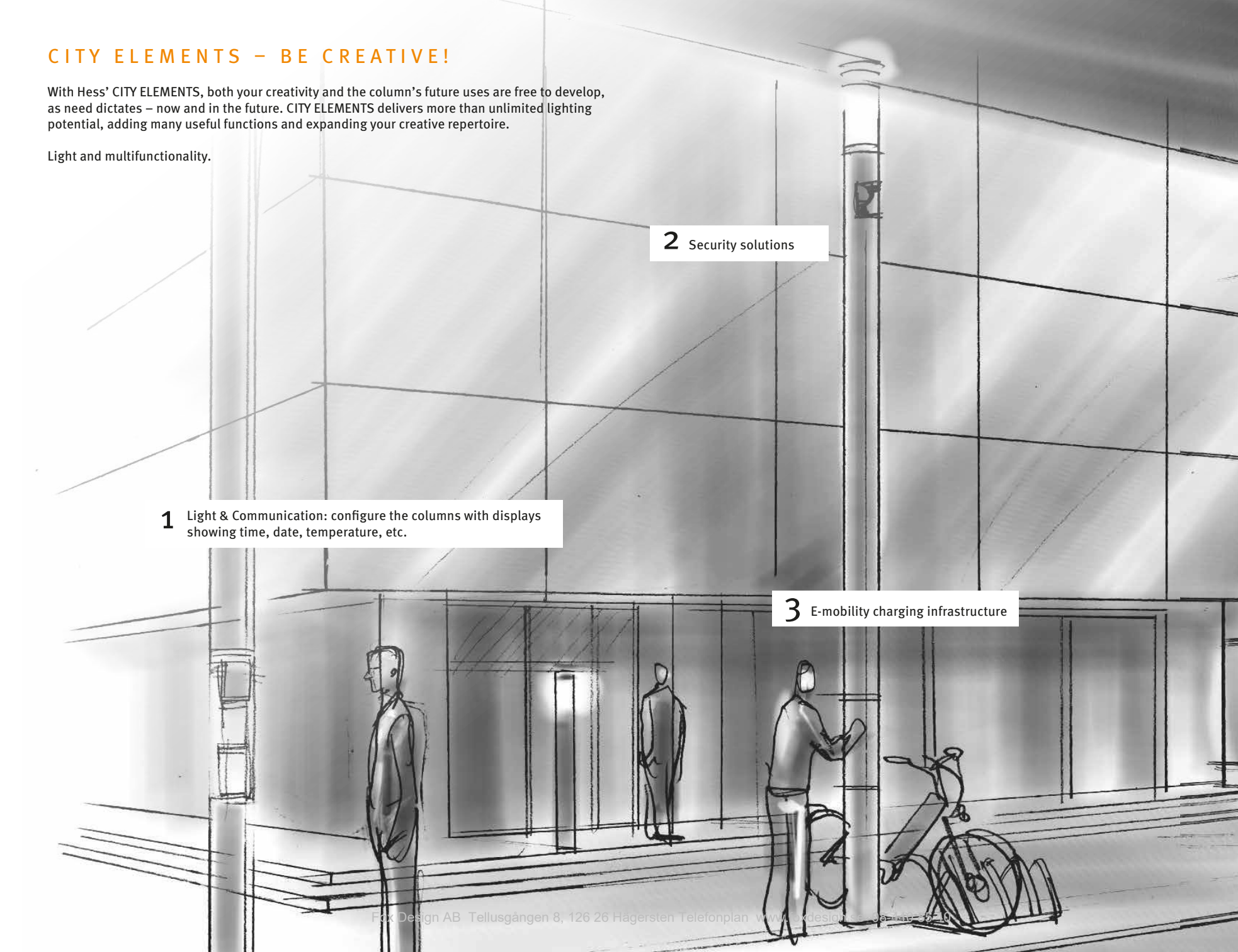
CITY ELEMENTS – BE CREATIVE!

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.



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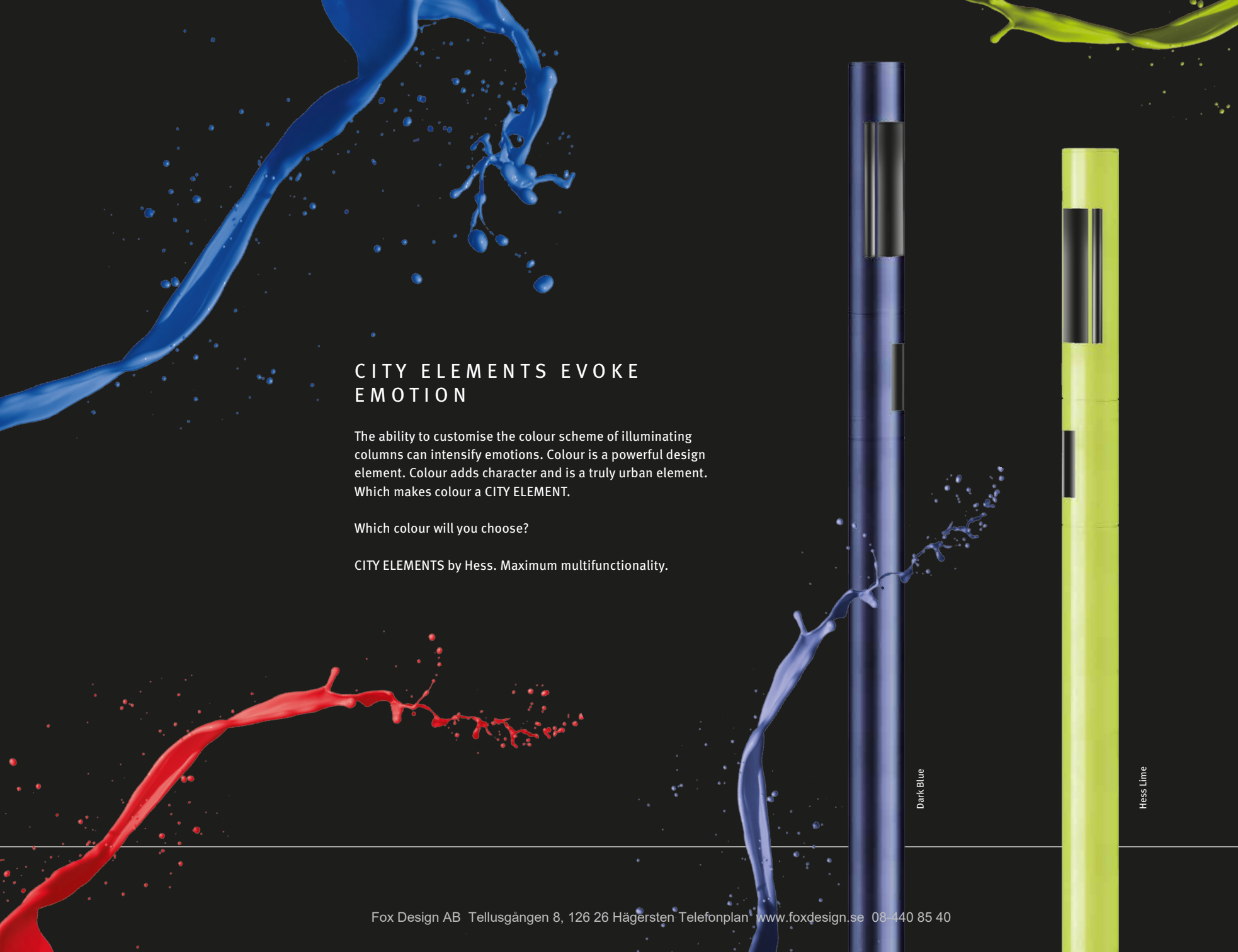
Fox Design AB Teliusgängen 8, 126 26 Hagersten Telefonplan www.foxdesign.se 08-440 85 40

CITY ELEMENTS EVOKE EMOTION

The ability to customise 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.

Which colour will you choose?

CITY ELEMENTS by Hess. Maximum multifunctionality.



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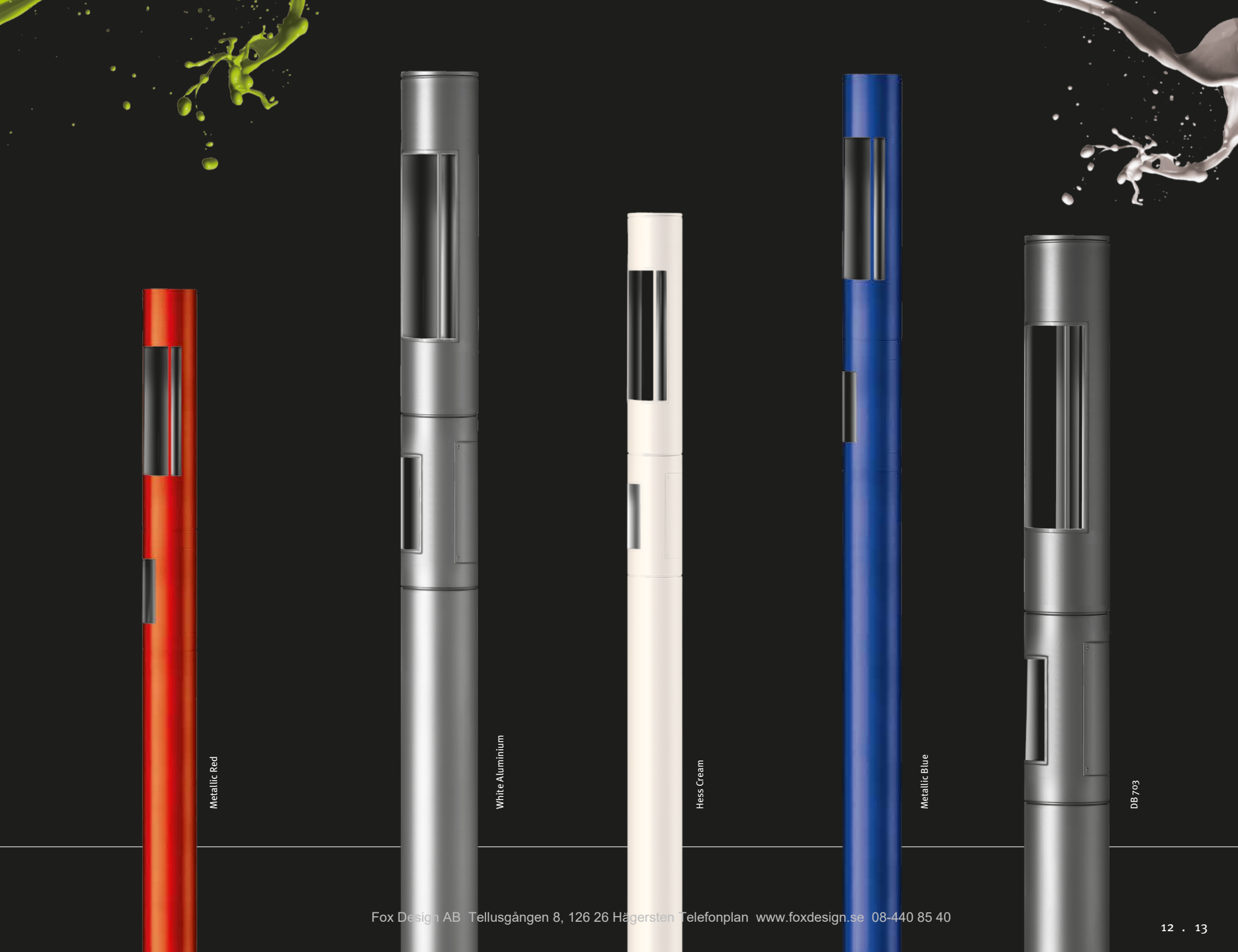

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CITY ELEMENTS

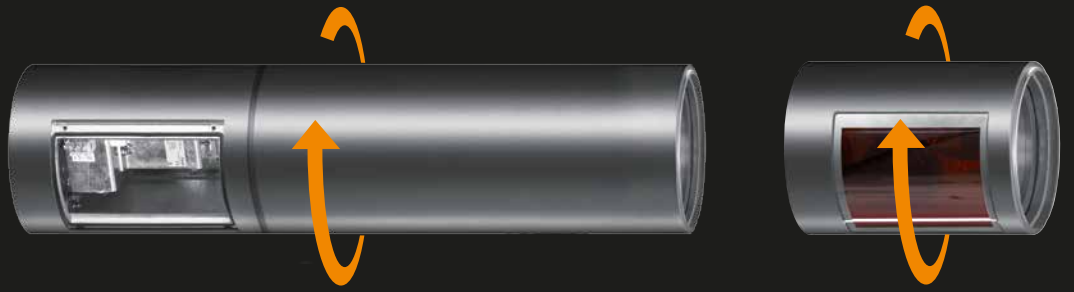
With common tools and minimum effort, CITY ELEMENTS, like building blocks, quickly and easily ...

assemble, expand, reduce and retrofit.

All elements come pre-assembled upon request. The infinite adjustment of the elements remains unaffected by pre-assembly.

CITY ELEMENTS by Hess – a patent protected modular system.

BASE ELEMENT



INTERMEDIATE

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SUPPLY

The base elements may also serve as power or water subdistribution.

LAMPING

Lamping and relamping are possible via access doors in the intermediate elements or from above in the top elements.

DESIGN

Optional spread lenses, shielding or colour filters may be added.

PIVOTING

All of the top and intermediate elements turn with the assistance of an inner mechanism through 360° on their vertical axes to provide the required adjustment.

ELEMENT

TOP ELEMENT

CITY ELEMENTS and DALVIK – the perfect combination

The CITY ELEMENTS stand for the most diverse multifunctionality – and that at its best. Due to the impressive combination of the illuminating column with the DALVIK S LED luminaire, the CITY ELEMENTS offer even more possibilities for holistic lighting solutions.

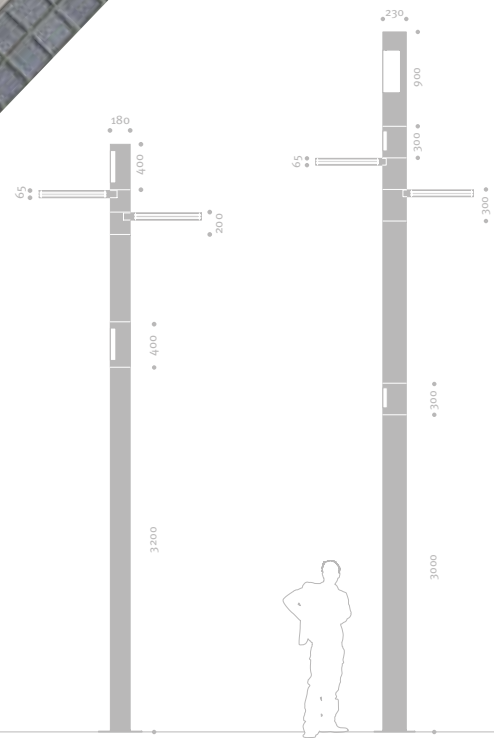
CITY ELEMENTS and DALVIK – for holistic lighting and infrastructure solutions.

www.hess.eu/dalvik

CITY ELEMENTS and DALVIK
the perfect combination

As a result of the connection of the DALVIK S to the CITY ELEMENTS, its lighting technology becomes more flexible and versatile and thus offers architects, planners and lighting designers an even broader spectrum of applications – and simultaneously, a highly attractive appearance.

Reflecting the DALVIK slogan – „Your city will love them“ – CITY ELEMENTS incorporates the best of both worlds in this configuration – namely maximum multifunctionality and the best lighting.



CITY ELEMENTS 180 (max. 6m)

CITY ELEMENTS 230 (max. 9m)

Featuring 2 diameters, the CITY ELEMENTS are adaptable to every surrounding and every requirement.

CITY ELEMENTS 180 with DALVIK S
In combination with the DALVIK S, the CITY ELEMENTS 180 is designed for heights of up to 6 meters. The 180 model can be fitted with up to 6 DALVIK S luminaire heads.

CITY ELEMENTS 230 with DALVIK S
In combination with the DALVIK S, the CITY ELEMENTS 230 is designed for heights even up to 9 meters. The 230 model can also be fitted with up to 6 DALVIK S luminaire heads.

TECHNICALLY FLEXIBLE – ENTIRELY ACCORDING TO YOUR NEEDS

A choice of 1 to 3 LEVO Q modules, each providing a system capacity of 30 watts, can be fitted with the DALVIK S. The modules are available with asymmetrical as well as rotationally symmetrical optics.

Cluster optics of polymethyl methacrylate (PMMA) thereby ensures optimum light control. For need-based control of light, the DALVIK can of course be coupled with various Hess control systems that enable an individual and intelligent control.

The light colours 3000 K, 4000 K and, upon request, 5600 K are available.

CITY ELEMENTS and DALVIK – the best light!

1 x LEVO Q asymmetric

3 x LEVO Q rotationally symmetric

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GRIVEN and Hess – Lighting solutions par excellence

GRIVEN and Hess offer an impressive and virtually unique product and solution portfolio:

From sophisticated architectural solutions to holistic concepts for the design of urban spaces.

Attractive outdoor areas, impressive buildings and an outstanding lighting and luminaire design are playing an increasingly important role in public spaces as well as in the private and commercial sector. For cities and municipalities, industry and private sectors, light is proving to be an important instrument in staging areas and features attractively and with presence.

GRIVEN and Hess offer the complete spectrum, to enable attractive and special lighting scenarios to become a reality, whether they are spectacular or conservative, multi-coloured or white. Attractiveness at night; and also during the day. With their high design aesthetics Hess luminaires set accents during the night and become design features themselves during the day.

Architects, planners, lighting designers, municipal decision-makers and building owners are offered products and solutions for different requirements – anything from a single source to many and with comprehensive consulting and project support from the Hess and Griven team.

GRIVEN and Hess – the perfect combination.

GRIVEN
world lighting challenge

www.hess.eu/griven

GRIVEN . A member of the Nordeon Group

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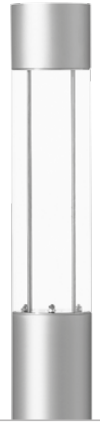
TOP ELEMENT

Asymmetric with shield

Rotationally symmetric



Rotationally symmetric with two lighting units

Projector element

Uplighting

INTERMEDIATE ELEMENT

Side lighting

CCTV element

Projector element

Illuminating bollard ø 180 mm

BASE ELEMENT

Mount via welded-on flange. Separate, galvanised steel embedded base.

Anchor via integral embedded base

Access door or utilities element

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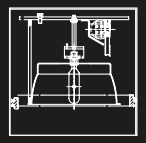
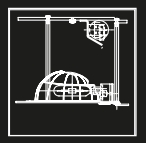
L1.1



Ring reflector w.
rot. sym. wide distr. for
area/ street lighting

HIE · HIT · HSE · HIT-CE-od

L1.3



Mini reflector w.
asym. wide distr.
for street lighting

HIT · HST · HIT-CE-od

L1.4

Asym. reflector, downward,
wide distr. area/walkway
lighting

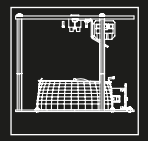
HIT

L1.6

LED module for asym. & sym.
street or area lighting

LED LEVO

L1.7



Sym. reflector for area or
street lighting

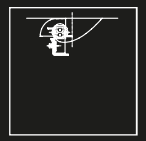
HIT-CE · HIT-CE-od · HST-MF

L1.8

LED module for asym. &
sym. street or area lighting

LED LEVO-Q

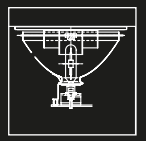
L2.1



Asym. wide distr. for
facade lighting

HIT

L2.2



Rot. sym. narrow
distr. for upward
accent lighting

HIT · HIT-CE-od

L2.3

Rot. sym. wide distr.
for upward accent
lighting

HIE · HSE · LED

L3.1

Asym. reflector, downward
wide distr. area/walkway
lighting

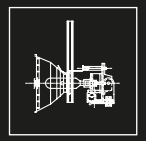
HIT · LED

L3.2

Asym. wide distr.
for facade lighting

HIT · LED

L3.3



Rot. sym. spot for facade
lighting with 0-20° vertical
adjustment

HIT · HIT-CE-od · LED

L1

OPTICAL SYSTEM 1

downwards

L2

OPTICAL SYSTEM 2

upwards

L3

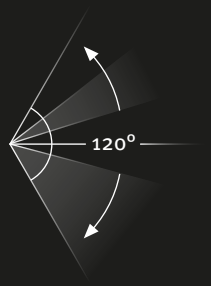
OPTICAL SYSTEM 3

lateral

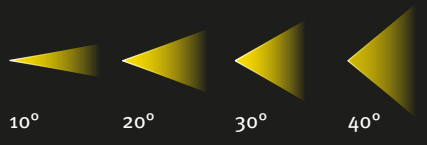
XICATO LED

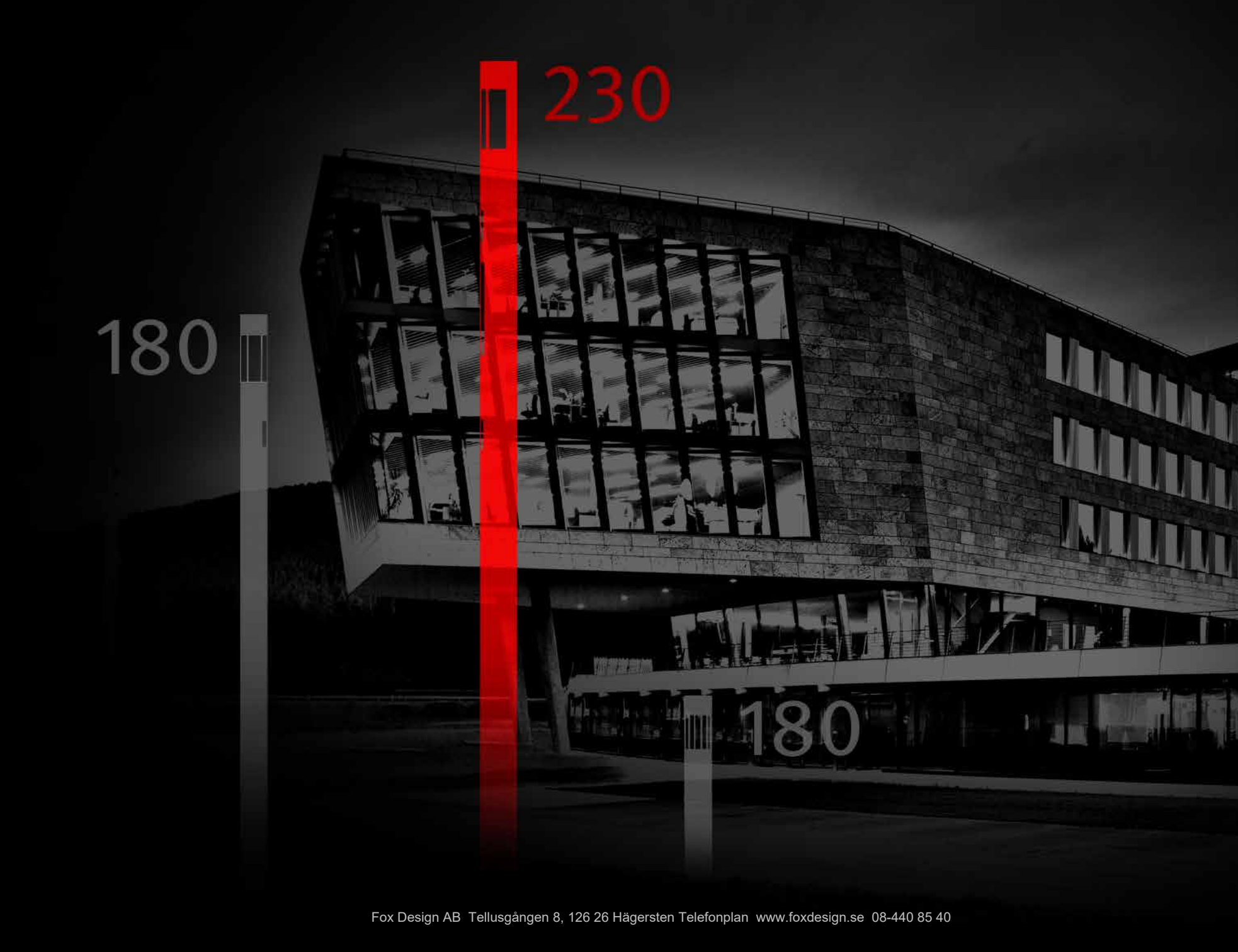
LED modules from XICATO introduce a fundamental change to the world of illumination.
It is a fundamental change because XICATO combines the efficiency of LEDs with ultimate colour stability.

The patented Corrected Cold Phosphor Technology© reduces the harmful heat generation sustainably. This ensures a high colour stability, which is guaranteed for the full service life of the modules.



Rotation Angle



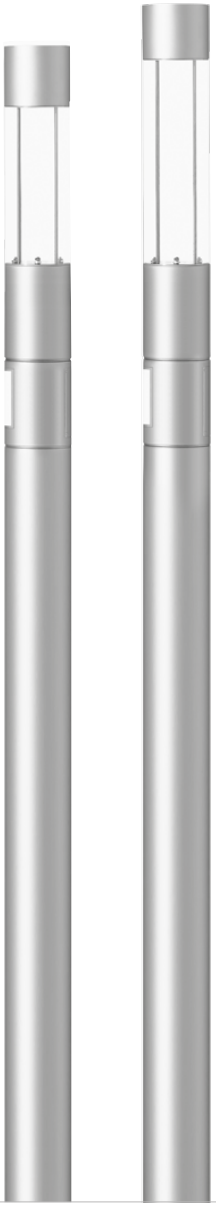

230
180
180

CITY ELEMENTS 230

Product information
www.hess.eu/3400

Hess columnar lighting system with top, base and, if required, intermediate extension elments. Constructed from round aluminium section. 230 mm diameter, for a maximum height of 9 m. All of the elements pivot through 360°. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

For a total height of 3500 mm, the embedded base's required length is 600 mm. If the total height is 6000 mm, a 800-mm embedded base is necessary. Heights up to 8000 mm require embedded bases with 1000-mm length, and up to 9000 mm high columns should have 1200-mm long embedded bases.



CITY ELEMENTS 230 AA Top Element

Aluminium and PMMA housing construction with 230-mm diameter, 900-mm length and 120° shielding. Element is for asymmetric area or street lighting.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Night economy feature with or without control lead. DALI dimming and special forms. Safety class II. Anti-glare enclosure.

CITY ELEMENTS 230 AF Top Element

230-mm diameter cast aluminium construction with clear single-pane safety glass flat top and access hatch.
The element is 325 mm long and comes with choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Night economy feature with or without control lead. DALI dimming and special forms. Safety class II.

CITY ELEMENTS 230 AR Top Element

Aluminium and PMMA housing construction with 230-mm diameter, 900-mm length or 1200-mm length and side access hatch.
Includes optical system for rotationally symmetric area or street lighting. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Night economy feature with or without control lead. DALI dimming and special forms. Safety class II. Anti-glare enclosure.

CITY ELEMENTS 230 AS Top Element

Cast aluminium housing with 230-mm diameter, 325-mm length, access hatch and clear polycarbonate side enclosure. Choice of any RAL (classic-unifarb),
Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE NOTE: 15°, 35° or 55° reflectors are possible for L3.3 optical systems with HIT-CE lamps.

Options: Spread lens. Colour filter (yellow, red, green or blue). Safety class II. Louvre system.

CITY ELEMENTS 230 ARR Top Element

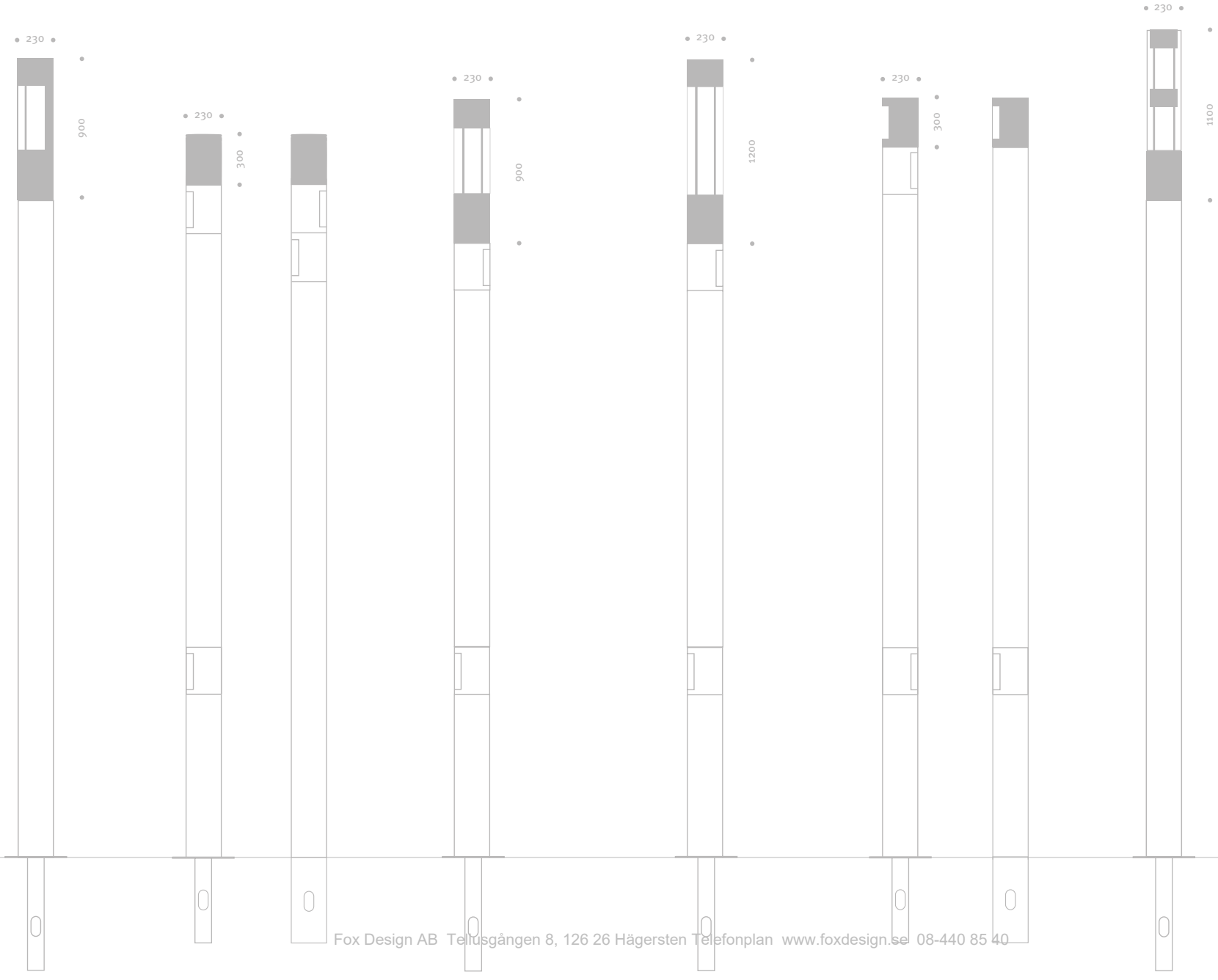
1100-mm long top element constructed from 230-mm diameter aluminium and PMMA with two lighting units for rotationally symmetric or asymmetric area or street lighting. Maximum of two 70 W lamps possible. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Night economy feature with or without control lead. DALI dimming and special forms. Safety class II. Anti-glare enclosure.

CITY ELEMENTS 230 APR Top Element

Top projector element for facade or ground display includes extra long access hatch for added convenience, projector unit, customer-specified gobo motif.
Length is 1100 mm and diameter is 230 mm. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

NOTE: A maximum of 3 projector elements are possible per column. Planning configuration and combining of the projector elements only with Hess‘ assistance.


230
900
230
300
230
900
230
1200
230
300
230
1100

CITY ELEMENTS 230 BS300 Intermediate Element

230-mm diameter aluminium housing with clear real glass side enclosure, side access hatch and 300-mm length.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE
NOTE: 10°, 20°, 30° or 40° reflectors are possible for L3.3 optical systems with LED.

Options: Spread lens. Colour filter (yellow, red, green or blue). Safety class II. Louvre system.

CITY ELEMENTS 230 BS 900 Intermediate Element

230-mm diameter aluminium housing with clear polycarbonate side enclosure, side access hatch and 300-mm length.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE
NOTE: 10°, 20°, 30° or 40° reflectors are possible for L3.3 optical systems with LED.

Options: Spread lens. Colour filter (yellow, red, green or blue). Safety class II. Louvre system.

CITY ELEMENTS 230 BK Intermediate Element

Constructed from round aluminium section and equipped to accommodate a Bosch AutoDome 600 Series Intelligence PTZ camera or comparable.
Camera field of view is 240° and the element's length is 1500 mm. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

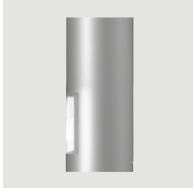
NOTE: Only mounts to CRK base element. No other BS Elements possible below. 900 mm can be positioned above.

CITY ELEMENTS 230 BPR Intermediate Element

Intermediate projector element for facade or ground display includes extra long access hatch for added convenience, projector unit, customer-specified gobo motif.
Length is 900 mm and diameter is 230 mm. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE Order separately: Lens unit, reference gobo, max. 1 colour filter (red, blue, green, yellow).

NOTE: May be used with AR, AA or APR top elements, but a maximum of 3 projector elements
are possible per column. Planning configuration and combining of the projector elements only with Hess' assistance.

CITY ELEMENTS 230 BHS Intermediate Element

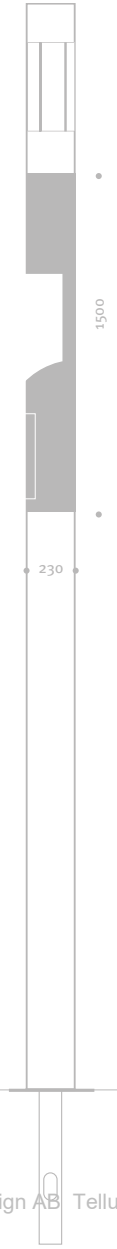


230-mm diameter aluminium housing with clear real glass side enclosure. Customer-specified lengths must exceed minimum of 600 mm and are to span the height required to reach the top element's specified mounting height. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

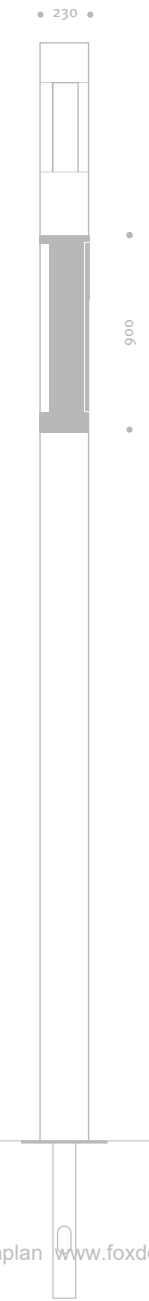
Options: Element extensions in 300-mm increments. Spread lens. Colour filter (yellow, red, green or blue). Louvre system. Safety class II.

230 BS Intermediate Element

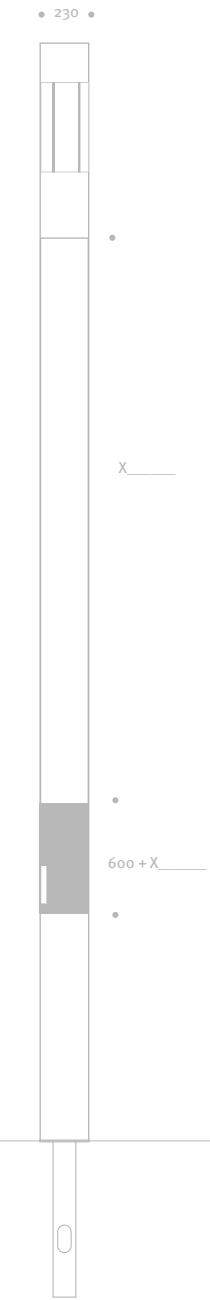
230 BK Intermediate Element



230 BS 900 Intermediate Element



230 BHS Intermediate Element

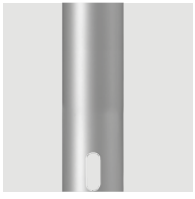


CITY ELEMENTS 230 CR02/04 Base Element

Constructed from 230-mm diameter round aluminium section and comes with access opening and C-channel to accommodate junction box provided by others. Element length is minimum 800 mm above grade. Attaches on the exterior via welded-on flange. CRV04 only with flange plate. Order separately for CRV02: Separate galvanised steel embedded base.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

Options: Base element extensions in 100-mm increments. Fitting for Christmas lighting.

CITY ELEMENTS 230 CR03 Base Element



Constructed from 230-mm diameter round aluminium section and comes with access opening and C-channel to accommodate junction box provided by others. Element length is minimum 800 mm above grade. Anchors via integral embedded base. Embedded base length may be 600, 800, 1000 or 1200 mm, depending on specific static requirements.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

Options: Base element extensions in 100-mm increments. Fitting for Christmas lighting.

CITY ELEMENTS 230 CRVE/CRVW 02/04 + 03 Base Element

Constructed from 230-mm diameter round aluminium section. Comes with access opening for a junction box provided by others and a door for the supply unit. Element length is min. 1300 mm above grade, painted. Attaches on the exterior via welded-on flange with CR 02/04. Separate galvanised steel embedded base. Anchors via integral embedded base with CR03. Embedded base length: 600, 800, 1000 or 1200 mm depending on static load requirements according to the total height of the column. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

* Power supply with CRVE: Door with cable outlet and safety lock for second access door. Operation with closed door.

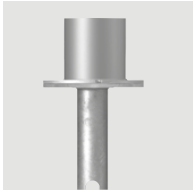
Options: Base element extensions in 100-mm increments. Fitting for Christmas lighting.

CITY ELEMENTS 230 CRK02/04 + 03 Base Element

Constructed from 230-mm diameter round aluminium section. For a total column height of 9000 mm. The element height is customer specific, however, min. 2500 mm, painted. With cable routing for the camera element. Comes with access opening for a junction box provided by others. Attaches on the exterior via welded-on flange with CR 02/04. Separate galvanised steel embedded base. Anchors via integral embedded base with CR03. Embedded base length: 800, 1000 or 1200 mm depending on static load requirements according to the total height of the column. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

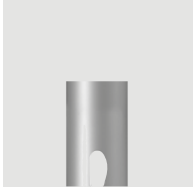
Options: Base element extensions in 100-mm increments.

CITY ELEMENTS 230 C05 Base Element



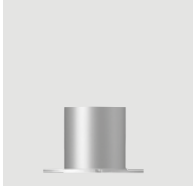
230-mm round aluminium section with flange plate. Minimum element height is 150 mm. Top elements attach via interior hardware in the base element. Includes separate 600-mm long galvanised steel embedded base. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

CITY ELEMENTS 230 C07 Base Element



150-mm long, 230-mm diameter round aluminium section with integral 600-mm through embedded base and two cable openings. Top elements attach via interior hardware in the base element. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

CITY ELEMENTS 230 C08 Base Element

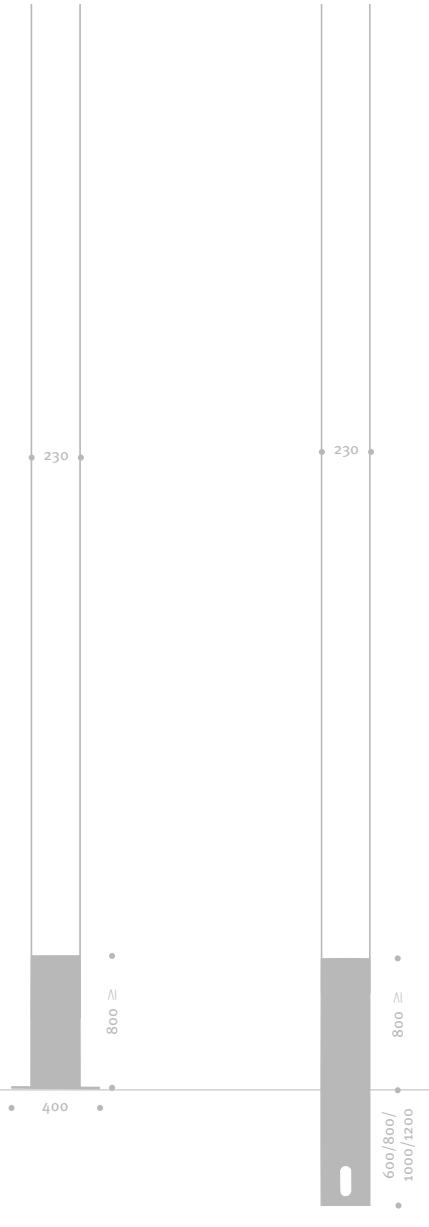


230-mm round aluminium section with flange plate. Minimum element height is 150 mm. Top elements attach via interior hardware in the base element. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

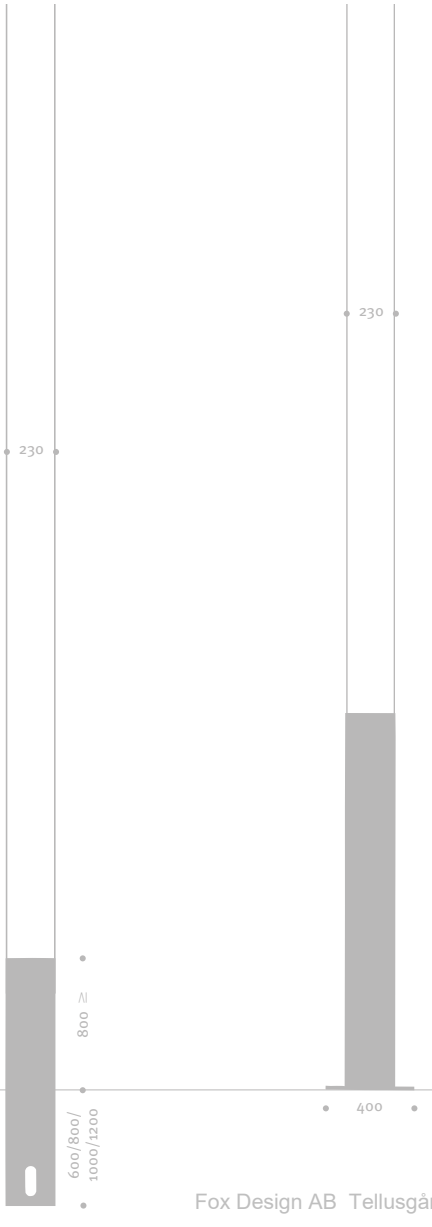
CITY ELEMENTS 230 Separate Order Item: CR02/CRV02 Embedded Base

Separate galvanised steel embedded base for 230 CR02/CRV02/CRVP02. Includes bolts for mounting and two cable openings.

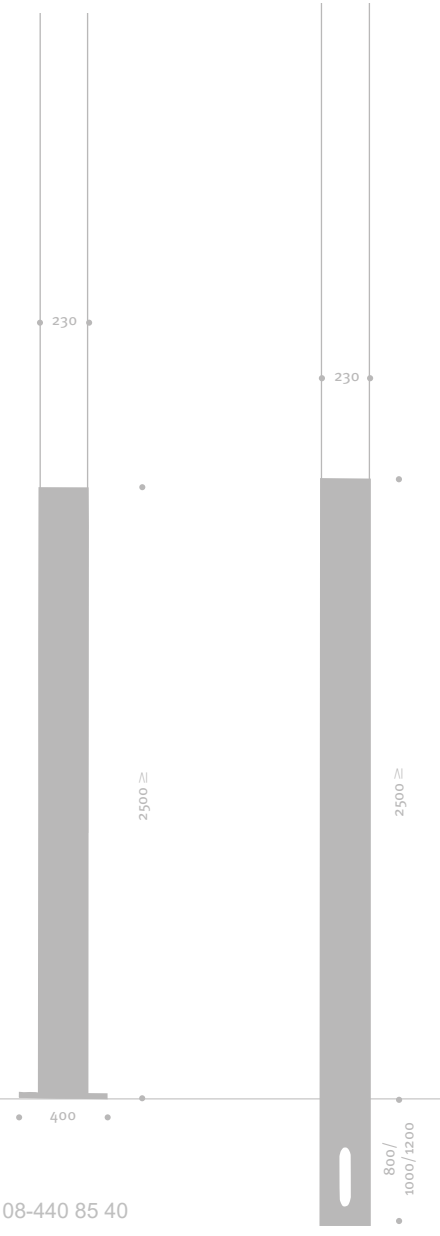
230 CR02/04 Base Element



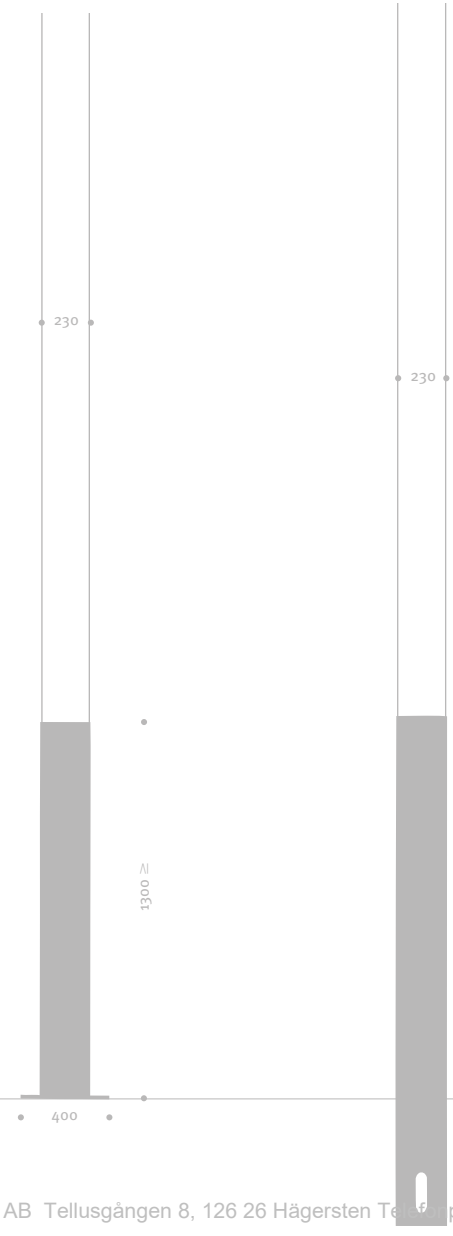
230 CRV02/04 Base Element



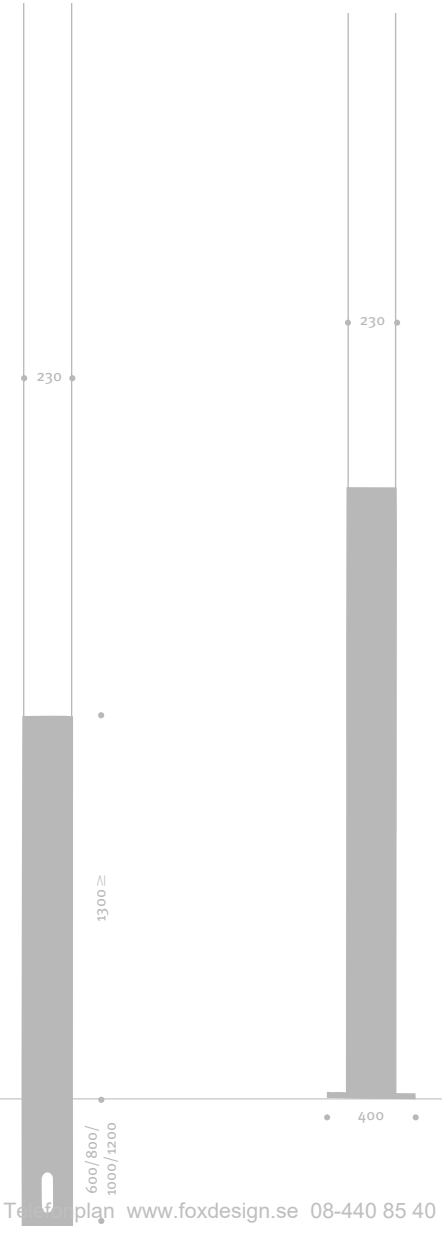
230 CRK02/04 Base Element



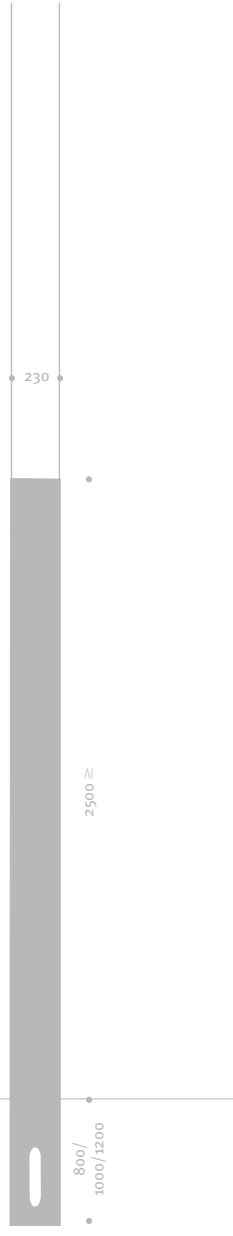
230 CR03 Base Element



230 CRV03 Base Element



230 CRK03 Base Element

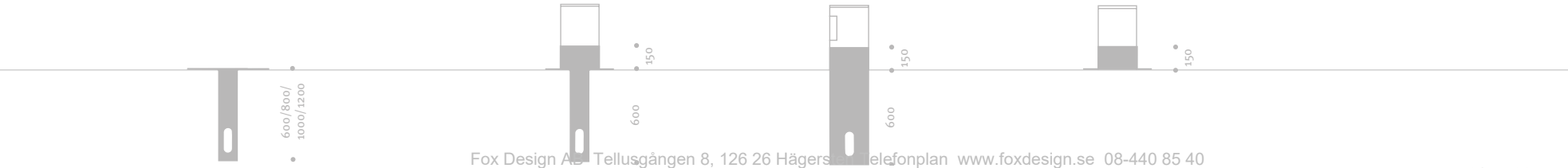


230 C05 Base Element

230 C08 Base Element

230 CR/CRV02/CRK02
Embedded Base

230 C07 Base Element



230
180
180

CITY ELEMENTS 180

Product information
www.hess.eu/3400

Hess columnar lighting system with top, base and, if required, intermediate extension elements. Constructed from 180-mm round aluminium section for a maximum length of 6000 mm and a maximum total wattage of 300 W. All elements horizontally pivot through 360°.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

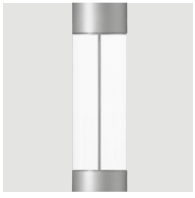
Illuminating columns higher than 1500 mm require embedded bases of 1000 mm. Heights under 1500 mm require an embedded base of 500 mm. The base element is extended by the remaining length.

CITY ELEMENTS 180 AA Top Element

Aluminium and PMMA luminaire construction with 180-mm diameter, 800-mm length and 120° shielding. Element is for asymmetric area or street lighting with shield. Does not include access hatch. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Night economy feature with or without control lead. DALI dimming and special forms. Safety class II

CITY ELEMENTS 180 AR Top Element



Aluminium and PMMA luminaire construction with 180-mm diameter and 800-mm length. Element is for rotationally symmetric area or street lighting.
Does not include access hatch.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Night economy feature with or without control lead. DALI dimming and special forms. Safety class II

CITY ELEMENTS 180 AS Top Element

Aluminium housing with 180-mm diameter, 400-mm length, clear real glass side enclosure and access hatch.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish. Ingress protection IP65 · Safety class I · CE

NOTE: 10°, 20°, 30° or 40° reflectors are possible for L3.3 optical systems with LED.
Options: Safety class II. Spread lens. Colour filter (yellow, red, green or blue).

CITY ELEMENTS 180 BS400 Intermediate Element

Aluminium housing with 180-mm diameter, 400-mm length, clear real glass side enclosure and access hatch. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

NOTE: 10°, 20°, 30° or 40° reflectors are possible for L3.3 optical systems with LED.
Options: Safety class II. Spread lens. Colour filter (yellow, red, green or blue).

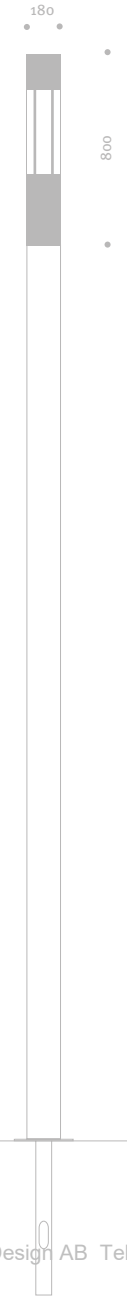
CITY ELEMENTS 180 BS800 Intermediate Element

Aluminium housing with 180-mm diameter, 400-mm length, clear polycarbonate side enclosure and access hatch. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

NOTE: 10°, 20°, 30° or 40° reflectors are possible for L3.3 optical systems with LED.
Options: Safety class II. Spread lens. Colour filter (yellow, red, green or blue).

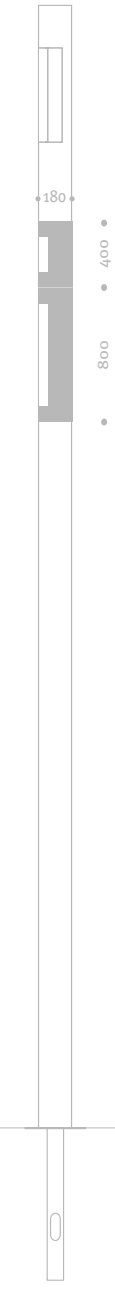
180 AA Top Element

180 AR Top Element



180 AS Top Element

180 BS 400/800
Intermediate Element

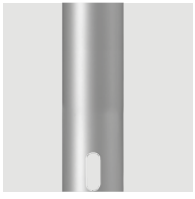


CITY ELEMENTS 180 CR02/04 Base Element

180-mm round aluminium section with access opening and C-channel to accommodate junction box provided by others. Element height is minimum 800 mm above grade. Attaches on the exterior via welded-on flange. CR04 only with flange plate. Order separately for CR02: Separate galvanised steel embedded base.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

NOTE: Flange plate welded on to pole for anchoring.
Options: Base element extensions in 100-mm increments. Fitting for Christmas lighting.

CITY ELEMENTS 180 CR03 Base Element



Constructed from 180-mm round aluminium section and suitable for columns with total above grade height of 6000 mm. Element height to be specified by customer and exceed 1200 mm. Anchors via 800-mm long separate galvanised steel embedded base with two openings for electrical cables. Includes access door and C-channel for junction box. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

NOTE: Anchors via integral embedded base
Options: Base element extensions in 100-mm increments. Fitting for Christmas lighting.

CITY ELEMENTS 180 CRV02/04 Base Element

Constructed from 180-mm diameter round aluminium section. Comes with access opening for a junction box provided by others and a door for the power supply. Element height is minimum 1700 mm above grade. Attaches on the exterior via welded-on flange with CR02/04. Separate galvanised steel embedded base. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
* Power supply: Door with cable outlet and safety lock for second access door. Closed door operation.

Options: Base element extensions in 100-mm increments. Fitting for Christmas lighting.

CITY ELEMENTS 180 CRV03 Base Element

Constructed from 180-mm diameter round aluminium section. Comes with access opening for a junction box provided by others and a door for the power supply. Element height is minimum 1700 mm above grade. Anchors via integral embedded base. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

Options: Base element extensions in 100-mm increments. Fitting for Christmas lighting.

CITY ELEMENTS 180 Separate Order Item: CR 02/CRV02 Embedded Base

180 CR02/CRV02 is a 800-mm long separate galvanised steel embedded base. Includes bolts for mounting and two cable openings.

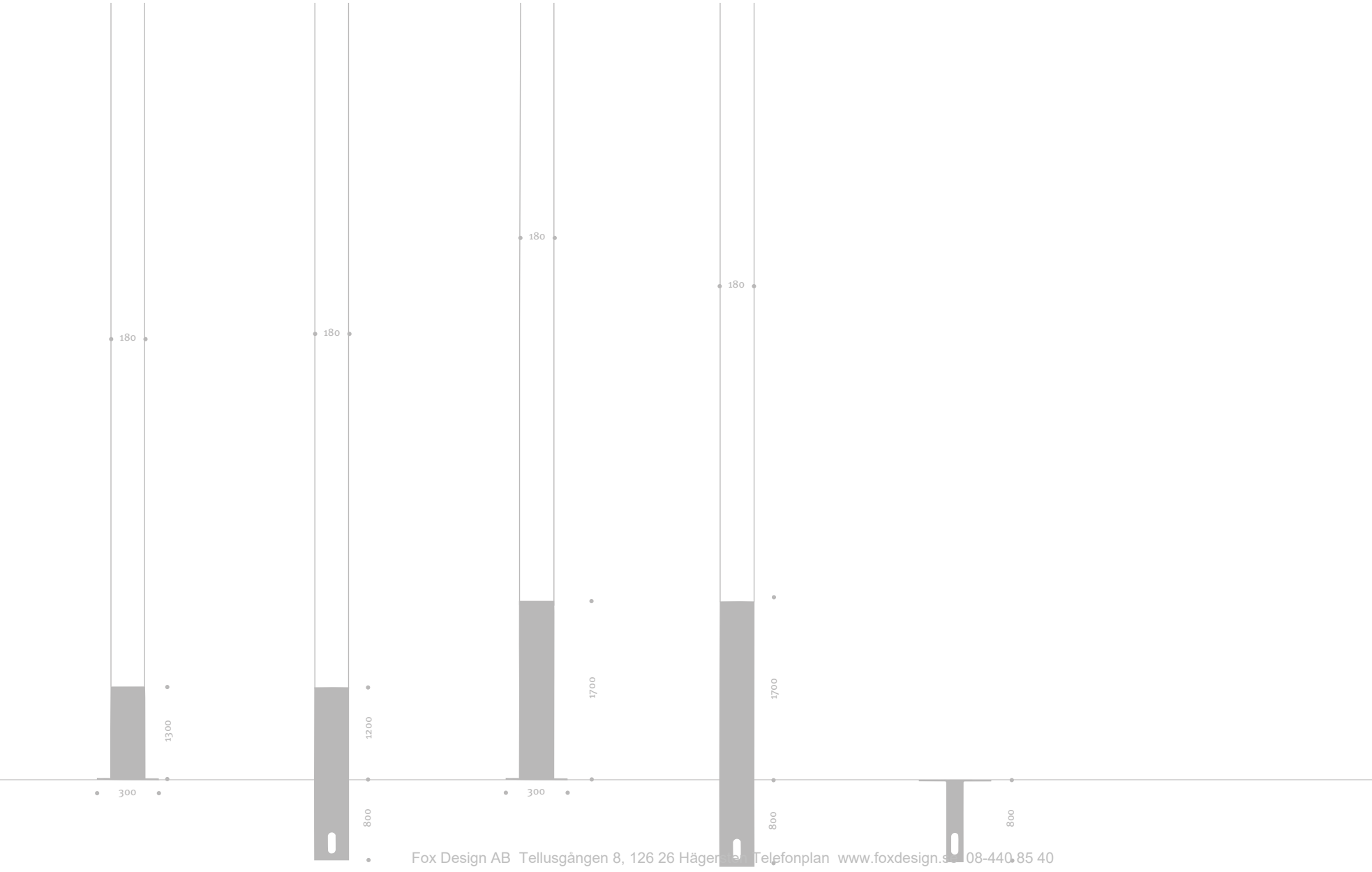
180 CR02/04 Base Element

180 CRV02/04 Base Element

180 CR/CRV02 Embedded Base

180 CR03 Base Element

180 CRV03 Base Element



Newcastle . United Kingdom

Fox Design AB Tellusgången 8, 126 26 Hägersten Telefonnr: www.foxdesign.se

230
180
180

CITY ELEMENTS 180
ILLUMINATING BOLLARD

Product information
www.hess.eu/7510

Hess illuminating bollard manufactured from 180-mm diameter round aluminium section.
Total height of 1200 mm. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.

CITY ELEMENTS 180 P-AA02/04 Illuminating Bollard

1200-mm high bollard housing constructed from 180-mm diameter round aluminium section. Aluminium top with clear polycarbonate side enclosure. Includes asymmetric optics, shield and access opening. Attaches on the exterior via welded-on flange with AA02/04. Separate galvanised steel embedded base.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Lamps with higher wattage are not possible.
Options: Safety class II. Separate embedded base.

CITY ELEMENTS 180 P-AA03 Illuminating Bollard

1200-mm high bollard housing constructed from 180-mm diameter round aluminium section. Aluminium top with clear polycarbonate side enclosure. Includes asymmetric optics, shield, access opening and through embedded base. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Safety class II.

CITY ELEMENTS 180 P-AR02/04 Illuminating Bollard

1200-mm high bollard housing constructed from 180-mm diameter round aluminium section. Aluminium top with clear polycarbonate side enclosure. Includes rotationally symmetric optics and access opening. Attaches on the exterior via welded-on flange with AR02/04. Separate galvanised steel embedded base.
Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Lamps with higher wattage are not possible. Options: Safety class II. Separate embedded base.

CITY ELEMENTS 180 P-AR03 Illuminating Bollard

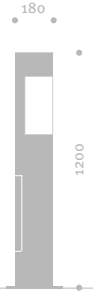
1200-mm high bollard housing constructed from 180-mm diameter round aluminium section. Aluminium top with clear polycarbonate side enclosure.
Includes rotationally symmetric optics and access opening. Choice of any RAL (classic-unifarb), Hess mica or Hess DB finish.
Ingress protection IP65 · Safety class I · CE

Options: Safety class II.

CITY ELEMENTS 180 Separate Order Item: P-AA 02/ P-AR 02 Embedded Base

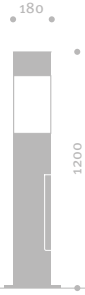
180 P-AA 02 / P-AR 02 is a 600-mm long separate galvanised steel embedded base. Includes bolts for mounting and two cable openings.

180P-AA02/04
Illuminating Bollard

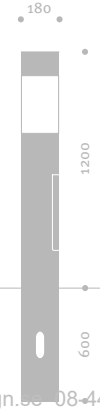


180P-AA03
Illuminating Bollard

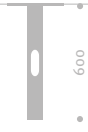
180P-AR 02/04
Illuminating Bollard



180P-AR03
Illuminating Bollard



180P-AA/P-AR02
Embedded Base



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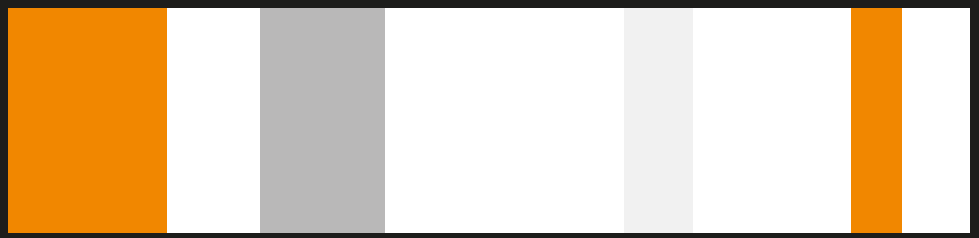

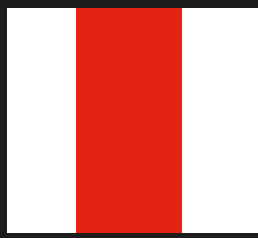

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