

| SELLA 1 - HP | SELLA 1 | | |
|-------------------|--|-------------------|------------------|
| new | | Sella 1 | p. 350 |
| SELLA 2 - HP | SELLA 2 | 0-11- 0 | - 050 |
| | | Sella 2 | p. 356 |
| MINI STELVIO - HP | MINI STELVIO | | |
| | new | Mini Stelvio | p. 362 |
| STELVIO - HP | STELVIO | | |
| | | Stelvio | p. 370 |
| ROLLE - HP | ROLLE | D. II | |
| | The state of the s | Rolle | p. 376 |
| SUSA | PORDOI | Susa | p. 384 |
| new | | <u>Pordoi</u> | p. 388 |
| MINI BRERA 1 | BRERA 1 | Mini Brera 1 | p. 390 |
| | | Brera 1 | p. 390 |
| VISCONTI | MONZA | | |
| | new | Visconti Monza | p. 392 p. 394 |

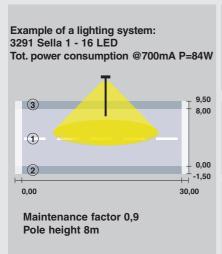


Advantages in installing new projects:

using Sella LED lights instead of high-pressure sodium luminaires enables you to obtain the same lighting results, reducing power and consumptions by 40%-50% depending on the type of road.

Compared to high pressure sodium, LED technology will significantly improve both the quality of the light (which is white and not yellow) and the colour rendering; moreover regular maintenance is no longer needed.

Thanks to high performance LED optics (reflector + auxiliary lens), Sella LED fixtures can be used along roads and keeping the same distance between poles, like for high-pressure sodium lamps. In this way you can save energy without increasing the number of light fixtures.



| Area of evaluation: roadW totay | 1 |
|---------------------------------|---------------|
| Length: 30m - Width 8 | Sm . |
| Grid | 10 x 6 points |
| Street elements | roadway 1 |
| Road surface | C2, q0: 0,070 |
| Selected lighting class | ME3a |

| Lighting design results | L _m [cd/m ²] | U0 | UI | TI(%) | SR |
|---------------------------|-------------------------------------|----------|----------|----------|-------|
| Obtained values | 1,28 | 0,44 | 0,70 | 10 | 0,52 |
| Target values | ≥1,00 | ≥0,40 | ≥0,70 | ≤15 | ≥0,50 |
| Compliant / non-compliant | 4 | 1 | V | V | 1 |

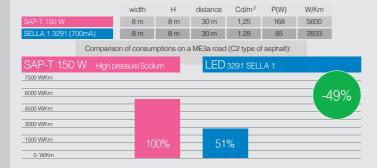
| Area of evaluation: pavement | 2 |
|------------------------------|---------------|
| Length: 30m - Width 1, | 5m |
| Grid | 10 x 3 points |
| Street elements | pavement 2 |
| Selected lighting class | S1 |
| | |

| Lighting design results | E _m [lx] | E _{min} [lx] |
|---------------------------|---------------------|-----------------------|
| Obtained values | 19,24 | 9,59 |
| Target values | ≥15,00 | ≥5,00 |
| Compliant / non-compliant | V | √ |

| Area of evaluation: pavement | 3 |
|------------------------------|---------------|
| Length: 30m - Width 1, | 5m |
| Grid | 10 x 3 points |
| Street elements | pavement 3 |
| Selected lighting class | S2 |

| Lighting design results | E _m [lx] | E _{min} [lx] |
|---------------------------|---------------------|-----------------------|
| Obtained values | 11,37 | 7,02 |
| Target values | ≥10,00 | ≥3,00 |
| Compliant / non-compliant | √ | √ |

Energy efficiency: consuming less energy without giving up the benefits of technological progress. This is the great challenge for the future of our planet. This is because greater energy efficiency means lower consumption without compromising light quality. Being able to distinguish colours and perceive clear details when transiting on urban streets help improve the safety of drivers and pedestrians. In addition, lights that mimic daylight will improve the perception of faces and increase our sense of safety. Thanks to white LED light, cities are safer and more liveable even after dusk.





8 m

8 m

distance

27 m 0.75

10185

275

Energy-saving: the possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions, and also help you deal with maintenance and retrofitting problems. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

| On request | Power supply | n.LED | W tot | ølm |
|---------------------|----------------------|-------|-------|---------|
| | 350mA - 4000K | 8 | 21 | 2714m |
| Sella 1 - art. 3290 | | 16 | 41 | 5440lm |
| | | 24 | 61 | 8092lm |
| | 530mA - 4000K | 8 | 32 | 3753lm |
| Sella 1 - art. 3290 | | 16 | 64 | 7528lm |
| | | 24 | 97 | 11150lm |

| On request | Power supply | n.LED | W tot | ølm |
|---------------------|----------------------|-------|-------|---------|
| | | 8 | 21 | 2697lm |
| Sella 1 - art. 3291 | 350mA - 4000K | 16 | 41 | 5404lm |
| | | 24 | 61 | 8077lm |
| | 530mA - 4000K | 8 | 32 | 3732lm |
| Sella 1 - art. 3291 | | 16 | 64 | 7476lm |
| | | 24 | 97 | 11128lm |

| | | | 21 | 2524lm |
|---------------------|----------------------|---------|----------|------------------|
| Sella 1 - art. 3290 | 350mA - 3000K | 16 | 41 | 5059lm |
| | | 24 | 61 | 7528lm |
| | | | | |
| | | 8 | 32 | 3490lm |
| Sella 1 - art. 3290 | 530mA - 3000K | 8 16 | 32 64 | 3490lm 7001lm |

| | 350mA - 3000K | 8 | 21 | 2508lm |
|---------------------|----------------------|---------|----------|-----------------|
| Sella 1 - art. 3291 | | 16 | 41 | 5026m |
| | | 24 | 61 | 7511lm |
| | | | | |
| | | 8 | 32 | 3470m |
| Sella 1 - art. 3291 | 530mA - 3000K | 8 16 | 32 64 | 3470m 6953lm |





The products of the Sella 1 family are compliant with all applicable tests (third-party certification) pursuant to standard

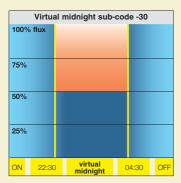
ANSI C136.31: Street Lighting – Luminaire Vibration.

- Test level: 3.0G Level 2 for bridge/overpass applications.

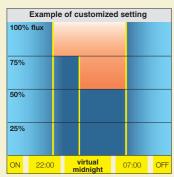


Low Flicker: product with a very low flicker; uniform light for greater eye protection

Virtual midnight: in order to optimize energy efficiency at night when vehicle and pedestrian traffic is lower, the luminaire can be programmed to activate certain pre-set scenarios when it is switched on, at a specific time, or when the light sensor reaches a certain threshold. This device is integrated into the fixture and does not require the installer to make any adjustments on the lighting system. The fixture can be connected with a class II two-wire (phase+neutral) cable or a class I three-wire (phase+netural+ground wire) cable.



Virtual midnight subcode -30: fixtures can be equipped with a device to dim lights in two levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. Factory settings are 2.5 hours before (about 10.30 p.m.) and 4.5 hours after (about 4.30 a.m.) the "virtual midnight". When the fixtures are switched on, they operate at 100%, after 4 hours they go down to 50% and after 7 hours they go up to 100% again.



Example of customized virtual midnight setting: fixtures can be equipped with a device to dim lights in different levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. When the fixtures are switched on, they operate at 100%, after 2 hours they go down to 75%, after 4 hours they go further down 50% and after 11 hours they go up to 100% again.

ATTENTION: as standard, all our street fixtures with **subcode -00** are supplied with programmable driver. **N.B.** upon request, it is possible to change virtual midnight factory settings.

Housing and cover: in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover

Heat sink: the heat dissipation system is specially designed and made to allow the operation of the LED lights with temperatures ensuring excellent performance/efficiency and durability.

Pole connection: in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 20° for side mount; and between 0° and 20° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 42-76mm.

Diffuser: extra-clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN12150-1: 2001).

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

The SELLA luminaire **is declared** to have passed the 2000 hours of salt corrosion resistance test in accordance with ASTM B 117 standard and the 2000 hours of UV condensation test in accordance with the ASTM G 154 standard.



On request: coating compliant with UNI EN ISO 9227 Corrosion tests in artificial

atmospheres for aggressive environments.

Standard supply: double insulation switch that cuts off electricity when the cover is opened. Complete with quick connection.



With dedicated electronic device to protect the LED module.

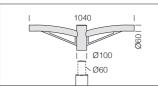
Electronic safety device to protect the LED module and the related ballast compliant with EN 61547:

- Class 2: protection up to 10KV (on request).

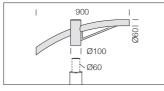


| 1-10V dimming | Virtual midnight | PLC remote control | Wi-Fi remote control (to be agreed upon) | | |
|---|--|--|--|-----------------------------|---|
| Adjustment range from 10%- 100% with 1-10V | Stand alone system with reduction of luminous flux and surge protector 6/10 KV | bus flux Point-to-point and system mana- It can be installed directly onto the lumina ideal for the remote control of light | | | Point-to-point and system manage- ment and diagnosis system with Wi-Fi system |
| Ordered with sub-code -12 | Ordered with sub-code -30 | Ordered with sub-code -0078 | Ordered with sub-code -40 | Ordered with sub-code -0054 | on request |





| acc | . 508 | doub | le | arm |
|------------------|-----------|------|-----|----------|
| grey | | 9912 | 66- | 00 |
| graphite | 991267-00 | | | |
| Suited for 60mm. | poles | with | а | diameter |



| acc. 504 single arm | | | | |
|---------------------|-----------|------|-----|----------|
| grey | | 9912 | 62- | 00 |
| graphite | 991263-00 | | | 00 |
| Suited for 60mm. | poles | with | а | diameter |











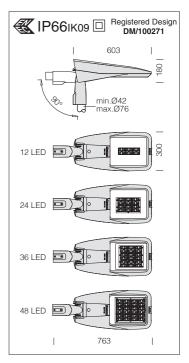








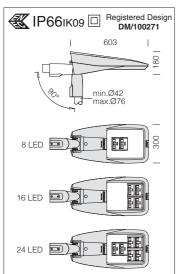
| 3296 Sella 1 - high performance | | | | | | |
|---------------------------------|---------------------|-----------|-------------------------------------|--------|--------------------------------|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage | colour | weight | code | W tot | K - ølm - CRI | |
| LED | grey | 7.20 | 330900-00 | 18 | 4000L 0700L- ODL 70 | |
| LED | graphite | 1.20 | 330901-00 | 1 '° | 4000K - 2722lm - CRI 70 | |
| LED | grey | 7.20 | 330902-00 | 32 | 4000K - 5071lm - CRI 70 | |
| LED | graphite | 7.20 | 330903-00 |] 32 | | |
| LED | grey | 7.20 | 330904-00 | 55 | 4000L/ 0000L 000L 70 | |
| LED | graphite | 1.20 | 330905-00 |] " | 4000K - 8089lm - CRI 70 | |
| LED | grey | 7.20 | 330906-00 | 83 | 4000K 11070km CDL70 | |
| LED | graphite | 1.20 | 330907-00 |] " | 4000K - 11873lm - CRI 70 | |
| On request | · nossibility to co | ontrol ea | ch individual light point (see tabl | e on n | 351) | |



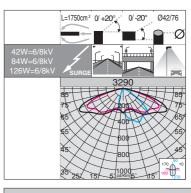
Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0,9. Luminous flux maintenance 80%: 80.000h (L80B20).











3000K

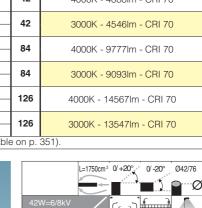
4000K

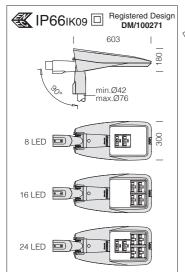
| LED: LUMINOUS FLUX MAINTENANCE (including end-of-life failure) | | | | | |
|---|-------------|--------------------|--------------------|--------------------|--------------------|
| n. LED | W tot | L80B10 @ta+25°C | L80B10 @ta+50°C | L80B10 @ta+50°C | L90B10 @ta+50°C |
| 8 | 42 (700mA) | | | | |
| 16 | 84 (700mA) | >100.000h | >100.000h | 70.000h | 50.000h |
| 24 | 126 (700mA) | | | | |

Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

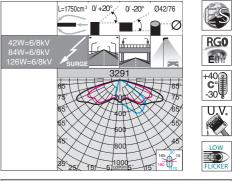
LED: Power factor ≥0.92. Luminous flux maintenance 80%: >100.000h (L80B10).

| 3290 Sella 1 - sт | | | | | |
|-------------------|----------------|-----------|--------------------------------------|---------|---------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | grey | 7.20 | 330603-00 | 42 | 4000K - 4888lm - CRI 70 |
| | graphite | 1.20 | 330600-00 |] " | 4000K - 4666IIII - Chi 70 |
| LED | grey | 7.20 | 330603-39 | 42 | 3000K - 4546lm - CRI 70 |
| LED | graphite | 7.20 | 330600-39 | 1 42 | 3000K - 4546IIII - CRI 70 |
| LED | grey | 7.20 | 330604-00 | 84 | 4000K - 9777lm - CRI 70 |
| LED | graphite | 7.20 | 330601-00 | 1 04 | |
| LED | grey | 7.20 | 330604-39 | 84 | 0000K 0000k- ODL70 |
| LED | graphite | 7.20 | 330601-39 | 1 04 | 3000K - 9093lm - CRI 70 |
| LED | grey | 7.20 | 330605-00 | 126 | 4000K 44507km ODL70 |
| LED | graphite | 7.20 | 330602-00 | 1 120 | 4000K - 14567lm - CRI 70 |
| LED | grey | 7.20 | 330605-39 | 126 | 00001/ 105171 ODL 70 |
| LED | graphite | 7.20 | 330602-39 | 1 120 | 3000K - 13547lm - CRI 70 |
| On request: pos | ssibility to c | ontrol ea | ach individual light point (see tabl | e on p. | 351). |









| Ø | |
|-----|------------------------|
| 101 | RG0 Ethr |
| 15 | +40 C -30 |
| 5 | U.V. |
| 15 | LOW |

| LED: LUMINOUS FLUX MAINTENANCE (including end-of-life failure) | | | | | | |
|--|-------------|--------------------|--------------------|--------------------|--------------------|--|
| n. LED | W tot | L80B10 @ta+25°C | L80B10 @ta+50°C | L80B10 @ta+50°C | L90B10 @ta+50°C | |
| 8 | 42 (700mA) | | | | | |
| 16 | 84 (700mA) | >100.000h | >100.000h | 70.000h | 50.000h | |
| 24 | 126 (700mA) | | | | | |

| Optics: In | aluminium | coated with |
|-------------------|-------------|---------------|
| very high | purity (99 | 9.99%) silver |
| using phys | sical vapou | ur deposition |
| (PVD). | | |

LED: Power factor ≥0.92. Luminous flux maintenance 80%: >100.000h (L80B10).

| 3291 Sella 1 - sтwв | | | | | |
|---------------------|-----------------|-----------|--------------------------------------|---------|-----------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | grey | 7.20 | 330613-00 | 42 | 4000K - 4887lm - CRI 70 |
| LED | graphite | 1 / .20 | 330610-00 | 42 | 4000K - 4667IIII - CRI 70 |
| LED | grey | 7.20 | 330613-39 | 42 | 0000K 4545k- ODL 70 |
| LED | graphite | 1.20 | 330610-39 | 42 | 3000K - 4545lm - CRI 70 |
| LED | grey | 7.20 | 330614-00 | 84 | 4000K - 9710lm - CRI 70 |
| LED | graphite | 1.20 | 330611-00 | | 40001X - 97 101111 - CN1 70 |
| LED | grey | 7.20 | 330614-39 | 84 | 0000K 0000km ODL70 |
| LED | graphite | 1.20 | 330611-39 | 04 | 3000K - 9030lm - CRI 70 |
| LED | grey | 7.20 | 330615-00 | 126 | 4000K - 14539lm - CRI 70 |
| LED | graphite | 1.20 | 330612-00 | 120 | 4000K - 14539IM - CRI 70 |
| LED | grey | 7.20 | 330615-39 | 126 | 3000K - 13521lm - CRI 70 |
| LED | graphite | 7.20 | 330612-39 | 120 | 3000K - 13521IIII - CRI 70 |
| On request: pos | ssibility to co | ontrol ea | ch individual light point (see table | e on p. | 351). |















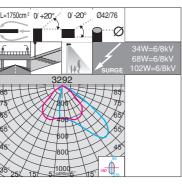
















| 6/8kV 6/8kV -6/8kV | |
|--------------------------|--------------------------|
| 3292 | Sella 1 - asymmetric 45° |

| IP66IK09 IP Hegistered Design DM/100271 |
|--|
| 603 80 min.Ø42 max.Ø76 |
| 4 LED |
| 8 LED |
| 12 LED (12 LED (13 LED (14 LED |

Registered Design

Optics: in aluminium coated with

| | optios. In alaminam coated with |
|-------|--|
| i °C) | very high purity (99.99%) silver |
| | using physical vapour deposition |
| 70 | (PVD). |
| 0 | LED: Power factor ≥0.92. |
| 70 | Luminous flux maintenance 80%: 80.000h (L80B10). |
| 70 | 00.00011 (2002) 10). |
| 70 | |
| 70 | |

| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
|-----------------|---------------------|-----------|---------------------------------------|---------|---------------------------|
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | grey | 7.20 | 330664-00 | 34 | 4000K - 3654lm - CRI 70 |
| | graphite | 1.20 | 330660-00 |] 37 | 4000K - 3034IIII - CHI 70 |
| LED | grey | 7.20 | 330664-39 | 34 | 0000V 0000I ODI 70 |
| LED | graphite | 7.20 | 330660-39 | 34 | 3000K - 3398lm - CRI 70 |
| LED | grey 7.20 330665-00 | 68 | 4000K 7000k ODL70 | | |
| LED | graphite | 7.20 | 330661-00 | 1 00 | 4000K - 7308lm - CRI 70 |
| LED | grey | 7.20 | 330665-39 | 68 | 0000V 0700I ODL70 |
| LED | graphite | 7.20 | 330661-39 | 1 00 | 3000K - 6796lm - CRI 70 |
| LED | grey | 7.20 | 330666-00 | 102 | 4000K 40000 ODL70 |
| LED | graphite | 7.20 | 330662-00 | 1 102 | 4000K - 10962lm - CRI 70 |
| LED | grey | 7.20 | 330666-39 | 100 | 0000K 1010Fl ODL 70 |
| LED | graphite | 7.20 | 330662-39 | 102 | 3000K - 10195lm - CRI 70 |
| On request: pos | ssibility to co | ontrol ea | ach individual light point (see table | e on p. | 351). |











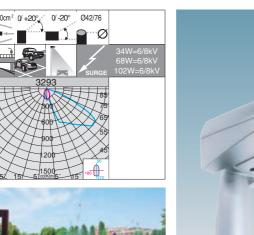






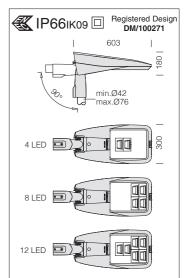






| 35 25/ 15 | 1500 5, Todrking: 15 180 |
|-----------|-----------------------------|
| - | |
| 11. | Mark Market |
| | |

| 3293 Sella 1 - asymmetric 60° | | | | | | |
|-------------------------------|----------|--------|-----------|-------|---------------------------|--|
| CLD CELL | | | | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | |
| LED | grey | 7.20 | 330684-00 | 34 | 4000K - 3045lm - CRI 70 | |
| LLD | graphite | 1.20 | 330680-00 | 37 | 4000K - 3045IIII - CHI 70 | |
| LED | grey | 7.20 | 330684-39 | 34 | 3000K - 2832lm - CRI 70 | |
| LED | graphite | 1.20 | 330680-39 | 34 | 3000K - 2832IIII - CRI 70 | |
| LED | grey | 7.20 | 330685-00 | 68 | 4000K - 6130lm - CRI 70 | |
| LED | graphite | 1.20 | 330681-00 | 0° | 4000K - 6130IIII - CHI 70 | |
| LED | grey | 7.20 | 330685-39 | 68 | 0000K F704k- ODL70 | |
| LED | graphite | 1.20 | 330681-39 | 00 | 3000K - 5701lm - CRI 70 | |
| LED | grey | 7.20 | 330686-00 | 102 | 4000K 000EL 0DL70 | |
| LED | graphite | 1.20 | 330682-00 | 102 | 4000K - 9395lm - CRI 70 | |
| LED | grey | 7.00 | 330686-39 | 100 | 00001/ 07071 OFL 70 | |
| LED | graphite | 7.20 | 330682-39 | 102 | 3000K - 8737lm - CRI 70 | |

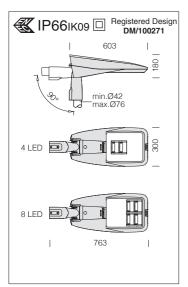


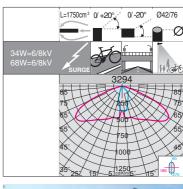
Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

LED: Power factor ≥0.92. Luminous flux maintenance 80%: 80.000h (L80B10).

RG0

Ethr







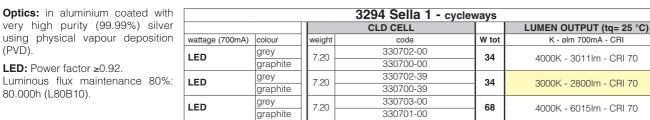












grey

graphite

LED

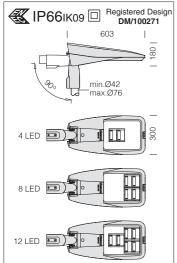
On request: possibility to control each individual light point (see table on p. 351).

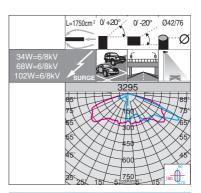
7.20

330703-39

330701-39

68





3000K - 5594lm - CRI 70



RG0









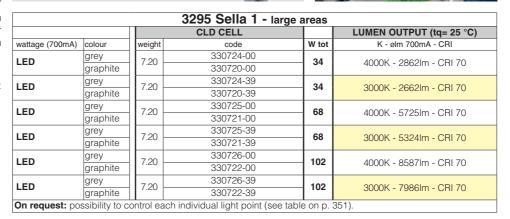




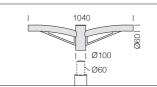


Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

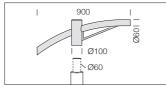
LED: Power factor ≥0.92. Luminous flux maintenance 80%: 80.000h (L80B10).







| acc. 508 double arm | | | | | |
|---------------------|-----------|------|-----|----------|--|
| grey | | 9912 | 66- | 00 | |
| graphite | 991267-00 | | | | |
| Suited for 60mm. | poles | with | а | diameter | |



| acc. 504 single arm | | | | | |
|---------------------|-----------|------|---|----------|--|
| grey | 991262-00 | | | | |
| graphite | 991263-00 | | | | |
| Suited for 60mm. | poles | with | а | diameter | |







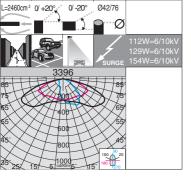






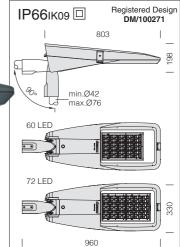








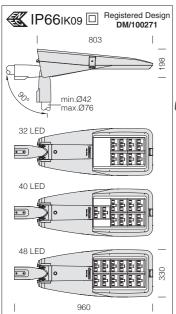
| 3396 Sella 2 - high performance | | | | | | |
|---------------------------------|-----------------|-----------|--------------------------------------|---------|--------------------------|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage | colour | weight | code | W tot | K - ølm - CRI | |
| LED | grey | 11.00 | 330830-00 | 112 | 4000K - 15732lm - CRI 70 | |
| | graphite | 11.00 | 330831-00 | '''2 | | |
| LED | grey | 11.50 | 330832-00 | 129 | 4000K - 18987lm - CRI 70 | |
| LED | graphite | 11.50 | 330833-00 | 129 | | |
| LED | grey | 11.50 | 330834-00 | 154 | 4000K 04050L 0DL70 | |
| | graphite | 11.50 | 330835-00 | 154 | 4000K - 21050lm - CRI 70 | |
| On request: po | ossibility to c | ontrol ea | ch individual light point (see table | e on p. | 351). | |



Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0,9. Luminous flux maintenance 80%: 80.000h (L80B20).

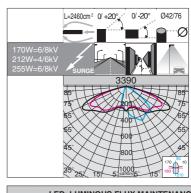




Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

LED: Power factor ≥0.92. Luminous flux maintenance 80%: >100.000h (L80B10).





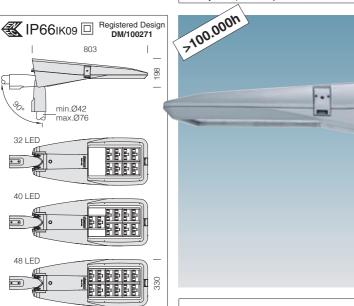


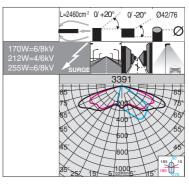
| LED: LUMINOUS FLUX MAINTENANCE (including end-of-life failure) | | | | | | | |
|--|-------------|--------------------|--------------------|--------------------|--------------------|--|--|
| n. LED | W tot | L80B10 @ta+25°C | L80B10 @ta+50°C | L90B10 @ta+25°C | L90B10 @ta+50°C | | |
| 32 | 170 (700mA) | >100.000h | >100.000h | 70.000h | 50.000h | | |
| 40 | 212 (700mA) | >100.000h | >100.000h | 70.000h | 50.000h | | |
| 48 | 255 (700mA) | >100.000h | >100.000h | 60.000h | 40.000h | | |

| 3390 Sella 2 - ST | | | | | | |
|-------------------|-----------------|------------|--------------------------------------|---------|----------------------------|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | |
| LED | grey | 11.00 | 330803-00 | 170 | 4000K - 20634lm - CRI 70 | |
| LLD | graphite | 111.00 | 330800-00 | 1 '' | 4000K - 20034IIII - CHI 70 | |
| LED | grey | 11.00 | 330803-39 | 170 | 3000K - 19190lm - CRI 70 | |
| LED | graphite | 11.00 | 330800-39 | 170 | 3000K - 19190IIII - CRI 70 | |
| LED | grey | 11.00 | 330804-00 | 212 | 4000K - 25792lm - CRI 70 | |
| LED | graphite | 111.00 | 330801-00 | 212 | 4000K - 23792IIII - CHI 70 | |
| LED | grey | 11.00 | 330804-39 | 212 | 3000K - 23987lm - CRI 70 | |
| LED | graphite | 111.00 | 330801-39 | 212 | | |
| LED | grey | 11.00 | 330805-00 | 255 | 400014 000501 ODL 70 | |
| LED | graphite | 111.00 | 330802-00 | 255 | 4000K - 30950lm - CRI 70 | |
| LED | grey | 11.00 - | 330805-39 | 255 | 00001/ 007041 | |
| LED | graphite | 111.00 | 330802-39 | 255 | 3000K - 28784lm - CRI 70 | |
| On request: pos | ssibility to co | ontrol ead | ch individual light point (see table | e on p. | 351). | |











| LED: LUMINOUS FLUX MAINTENANCE (including end-of-life failure) | | | | | | |
|---|-------------|--------------------|--------------------|--------------------|--------------------|--|
| n. LED | W tot | L80B10 @ta+25°C | L80B10 @ta+50°C | L90B10 @ta+25°C | L90B10 @ta+50°C | |
| 32 | 170 (700mA) | >100.000h | >100.000h | 70.000h | 50.000h | |
| 40 | 212 (700mA) | >100.000h | >100.000h | 70.000h | 50.000h | |
| 48 | 255 (700mA) | >100.000h | >100.000h | 60.000h | 40.000h | |

| - 1 | 960 | I |
|------------|----------------|--|
| very high | purity (99. | coated with 99%) silver deposition |
| I ED. DOWO | r factor > 0 0 | 2 |

| LED: Power factor ≥0.92. | | | | | | |
|---------------------------------|------|-------------|------|--|--|--|
| Luminous | flux | maintenance | 80%: | | | |
| >100.000h (L80B10). | | | | | | |

| 3391 Sella 2 - STWB | | | | | | |
|---------------------|----------------|-----------|---------------------------------------|---------|---------------------------|--|
| | | | CLD CELL | İ | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | |
| LED | grey | 11.00 | 330813-00 | 170 | 4000K - 20495lm - CRI 70 | |
| LED | graphite | 11.00 | 330810-00 |] ''' | 4000K - 20495IM - CRI 70 | |
| LED | grey | 11.00 | 330813-39 | 170 | 3000K - 19060lm - CRI 70 | |
| LED | graphite | 11.00 | 330810-39 | ''' | 3000K - 19060IM - CRI 70 | |
| LED | grey | 11.00 | 330814-00 | 212 | 4000K - 25618lm - CRI 70 | |
| LED | graphite | 11.00 | 330811-00 | 212 | 4000K - 256 18IM - CRI 70 | |
| LED | grey | 11.00 | 330814-39 | 212 | 00001/ 000051 001.70 | |
| LED | graphite | 11.00 | 330811-39 | 212 | 3000K - 23825lm - CRI 70 | |
| LED | grey | 11.00 | 330815-00 | 255 | 4000K 00740km 0DL70 | |
| LED | graphite | 11.00 | 330812-00 | 255 | 4000K - 30742lm - CRI 70 | |
| LED | grey | 11.00 | 330815-39 | 255 | 00001/ 005041 001.70 | |
| LED | graphite | 11.00 | 330812-39 | 255 | 3000K - 28591lm - CRI 70 | |
| On request: pos | ssibility to c | ontrol ea | ach individual light point (see table | e on p. | 351). | |

















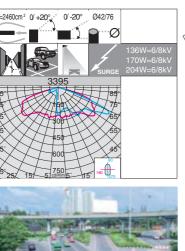








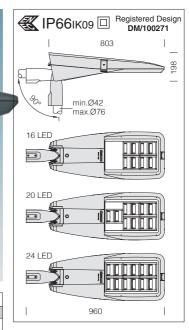






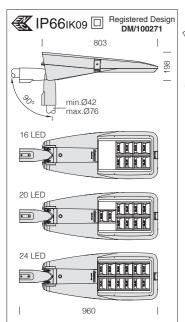
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| 3395 Sella 2 - large areas | | | | | | | |
|----------------------------|----------------|-----------|--------------------------------------|---------|----------------------------|--|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | | |
| LED | grey | 11.00 | 330824-00 | 136 | 4000K - 11450lm - CRI 70 | | |
| | graphite | 111.00 | 330820-00 | 130 | 4000K - 11430IIII - CHI 70 | | |
| LED | grey | 11.00 | 330824-39 | 136 | 2000K 10040km CDL70 | | |
| LED | graphite | 11.00 | 330820-39 | 130 | 3000K - 10649lm - CRI 70 | | |
| LED | grey | 11.00 | 330825-00 | 170 | 4000K 44040k- ODL70 | | |
| LED | graphite | 11.00 | 330821-00 | 1 ''' | 4000K - 14312lm - CRI 70 | | |
| LED | grey | 11.00 | 330825-39 | 170 | 0000V 10010I ODL 70 | | |
| LED | graphite | 11.00 | 330821-39 | 1 170 | 3000K - 13310lm - CRI 70 | | |
| LED | grey | 11.00 | 330826-00 | 204 | 4000K 1717Fl ODL70 | | |
| LED | graphite | 11.00 | 330822-00 | 204 | 4000K - 17175lm - CRI 70 | | |
| LED | grey | 11.00 | 330826-39 | 204 | 00001/ 150701 00170 | | |
| LED | graphite | | 330822-39 | 204 | 3000K - 15973lm - CRI 70 | | |
| On request: pos | ssibility to c | ontrol ea | ch individual light point (see table | e on p. | 351). | | |



Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

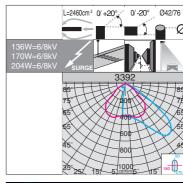
LED: Power factor ≥0.92. Luminous flux maintenance 80%: >100.000h (L80B10).



Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

LED: Power factor ≥0.92. Luminous flux maintenance 80%: >100.000h (L80B10).























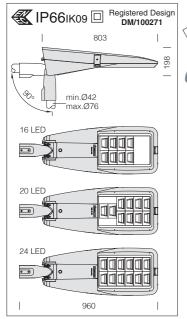






RG0 Ethr

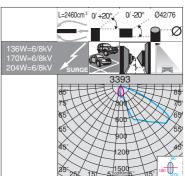
| 3392 Sella 2 - asymmetric 45° | | | | | | | |
|-------------------------------|----------------|-----------|---------------------------------------|---------|----------------------------|--|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | | |
| LED | grey | 11.00 | 330864-00 | 136 | 4000K - 14610lm - CRI 70 | | |
| | graphite | 11.00 | 330860-00 |] '30 | 4000K - 14610IIII - CHI 70 | | |
| LED | grey | 11.00 | 330864-39 | 136 | 3000K - 13587lm - CRI 70 | | |
| LED | graphite | 11.00 | 330860-39 | 1 130 | 3000K - 1358/IIII - CRI /U | | |
| LED | grey | 11.00 | 330865-00 | 170 | 4000K - 18262lm - CBI 70 | | |
| LED | graphite | 11.00 | 330861-00 |] ''' | 4000K - 18282IIII - CRI 70 | | |
| LED | grey | 11.00 | 330865-39 | 170 | 0000K 1000 Alex ODL 70 | | |
| LED | graphite | 11.00 | 330861-39 | 1 ''' | 3000K - 16984lm - CRI 70 | | |
| LED | grey | 11.00 | 330866-00 | 204 | 4000K 0404Fl ODL70 | | |
| LED | graphite | 11.00 | 330862-00 | 1 204 | 4000K - 21915lm - CRI 70 | | |
| LED | grey | 11.00 | 330866-39 | 204 | 0000K 00004Fr ODL 70 | | |
| | graphite | 11.00 | 330862-39 | 1 204 | 3000K - 20381lm - CRI 70 | | |
| On request: pos | ssibility to c | ontrol ea | ach individual light point (see table | e on p. | 351). | | |



Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

LED: Power factor ≥0.92. Luminous flux maintenance 80%: >100.000h (L80B10).







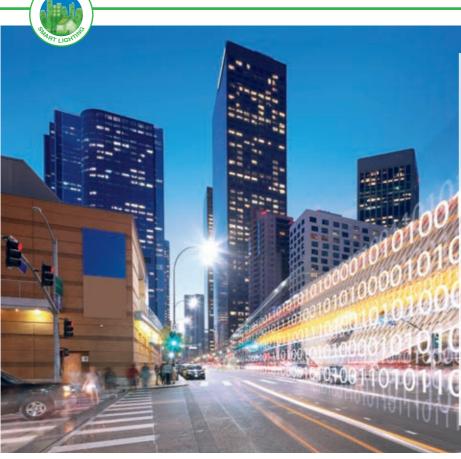
| | L=2460cm ² 0/ +20° 0/ -20° Ø42/76 |
|--|--|
| | |
| 136W=6/8kV 170W=6/8kV 204W=6/8kV | SURGE |
| | 3393 |
| | 85 |
| | 75 75 |
| | 65 |
| | 65 × 55 |
| | X |
| | 45 1200 45 |
| | 1500 |
| | 25 25 15 5 cd/Klm 5 15 180 U270 |

| [| 25/ 15/ 5 cd/Kim5 | 15 180 1270 |
|--|-------------------|-------------|
| | | |
| A STATE OF THE PARTY OF THE PAR | 75 | |
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| LUMEN OUTPUT (tq= 25 °C) | LOW |
|--------------------------|-------|
| K - ølm 700mA - CRI | |
| 4000K - 12260lm - CRI 70 | 3000K |
| 3000K - 11402lm - CRI 70 | |
| 4000L/ 4500EL ODL 70 | 1000K |



| 3393 Sella 2 - asymmetric 60° | | | | | | | |
|-----------------------------------|----------------|------------|--------------------------------------|---------|----------------------------|--|--|
| CLD CELL LUMEN OUTPUT (tq= 25 °C) | | | | | | | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | | |
| LED | grey | 11.00 | 330884-00 | 136 | 4000K - 12260lm - CRI 70 | | |
| LED | graphite | 111.00 | 330880-00 | 1 130 | 4000K - 12260IIII - CRI 70 | | |
| LED | grey | 11.00 | 330884-39 | 136 | 0000K 11400k- ODL 70 | | |
| LED | graphite | 111.00 | 330880-39 | 130 | 3000K - 11402lm - CRI 70 | | |
| LED | grey | 11.00 | 330885-00 | 170 | 4000K 4500Fl ODL 70 | | |
| LED | graphite | 111.00 | 330881-00 | 1 ''' | 4000K - 15325lm - CRI 70 | | |
| LED | grey | 11.00 | 330885-39 | 170 | 3000K - 14252lm - CRI 70 | | |
| LED | graphite | 111.00 | 330881-39 | 1 ''' | 3000K - 14252IM - CRI 70 | | |
| LED | grey | 11.00 - | 330886-00 | 204 | 4000K 4000K OPL 70 | | |
| LED | graphite | 111.00 | 330882-00 | 204 | 4000K - 18390lm - CRI 70 | | |
| LED | grey | 11.00 | 330886-39 | 204 | 00001/ 171001 00170 | | |
| LED | graphite | 11.00 | 330882-39 | 204 | 3000K - 17103lm - CRI 70 | | |
| On request: pos | sibility to co | ontrol ead | ch individual light point (see table | e on p. | 351). | | |



What is a smart city?

A smart city is a city where there is a better quality of life and where public spaces can help citizens achieve their full potential and move more freely, while saving time and respecting the environment.

The intelligence of a «Smart City» is a distributed, shared, horizontal and social intelligence. It is an intelligence that promotes the participation of citizens and the organization of the city towards a greater optimization of resources and results. Energy consumption, public resource use and time are all optimized.

With the Web and the new technologies, access to services is easier and public spaces can be organized to favour mobility, save time and turn our cities smarter.

Remote management systems make objects more intelligent and recognizable, so that they can communicate data and provide access to aggregated information.

Thanks to a more efficient use of the Web, everything within a city (urban fittings, public buildings, monuments, etc.) can play an active role and become collectors and distributors of information about traffic, energy consumption, services and assistance to citizens, cultural and touristic attractions and much more.

The fixture can be equipped with a control system which provides lighting managers with the ability to improve the performance of urban and street lighting installations while saving costs by lowering energy usage, optimising operation and reducing CO2 emissions. The system incorporates the latest technologies in power electronics, communications and IoT. This makes possible, among other features, an on/off scheduled switching, a dynamic programming of lighting levels, map-based visualizations, automatic alarm reports, real-time fixture monitoring and maintenance scheduling of every single luminaire of multiple installations at once.

The system has a friendly and secure web-based user interface which can be operated anywhere and anytime from any web-connected device such as computers, smartphones and tablets providing real time and accurate control of the lighting infrastructure.

System Highlights

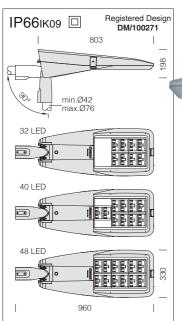
- Flexible solution
- Valid for new installations as well as for lighting renovation
- Autonomous system but integrable with other city services platforms
- Valid worldwide
- Compatible with most Smart City services platforms
- Values and revenues
- Better lighting performance
- Money savings
- Energy costs reduction
- Operation costs reduction
- Users
- Municipalities and County Councils
- Smart City platforms operators
- Managers of large infrastructure
- Applications
- Street and residential lighting (streets, roads)
- Urban & architectural lighting (monuments, public spaces)
- Large infrastructure lighting (airports, ports)
- Large areas and sport lighting (car parks, stadiums)
- Urban events lighting (celebrations, demostrations)

System Architecture & Components

- · System architecture
- Smart power electronics: LED drivers
- Wireless network hardware
- RF Nodes and GSM Gateways
- Cloud-based data acquisition and network management
- Management software suite (Network & data management)
- Web-based multi-device user friendly interface
- Technical aspects
- Fully programmable electrical parameters and functionalities
- Connectivity of sensors
- Self-diagnosis, notification of alarms
- Mains voltage and frecuency monitoring
- High efficiency
- Lighting network nodes
- Multi-hop wireless mesh network
- IP-based protocol, broad coverage
- Automatic neighbour discovery, self-organization, ad hoc configuration
- Extensibility, interoperability, open standards Robust link, reliable and high-performance network
- Additional sensor data acquisition (optional)
- Gateway
- Mesh network concentrator
- 2G/3G/LTE network gateway
- Time and date precise synch

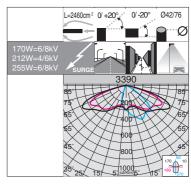
• Central host and database

- Local or cloud hosting available
- End-to-end secured system
- Smart City and other horizontal management platforms integrability
- Multi-level data interchange capabilities, app interfaces
- Business Intelligence and data analytics
- Management Software Suite
- Lighting configuration, management and maintenance
- Easy installation, test capabilities
- Data network management and configuration
- Reports, statistics and data visualization tools
- · Fast commissioning
- Ease of installation
- Assembling outside fitting
- Remote configuration
- Reliable, outdoor-proof
- Accuracy
- GPS accurate location
- Point-to-point management
- Real-time operation



Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).











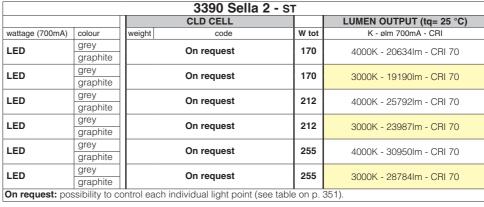












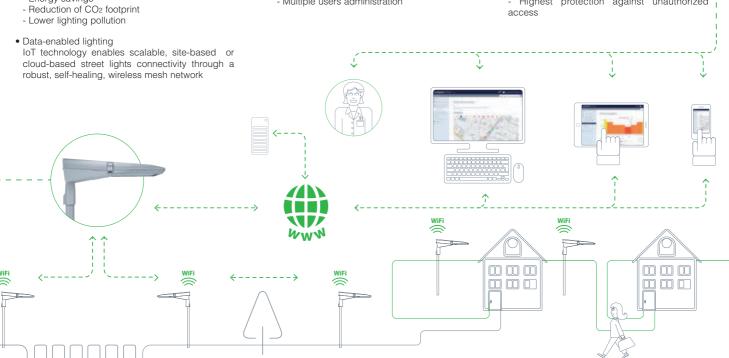


- Flexible and avant-garde lighting
- Programmable lighting
- Dynamic lighting
- Reactive to events
- Makes possible a human centric lighting
- Increases citizen satisfaction
- Helps to improve safety on streets Compatible with most existing Smart City & urban services management platforms and easily adaptable thanks to its open architecture
- · Environmental sustainability
- Energy savings

User Friendly Web-based Interface

- Main functionalities
- Easy lighting levels & timing configuration
- Creation of customised lighting schedules
- Energy consumption monitoring
- Power supply monitoringAlarms and events reporting
- Operation time recording
- Geolocation and mapping of luminaires (multiple map choice)
- Easy allocation of luminaires by town, street, coordenates, type
- Manteinance planning
- Multiple users administration

- Optimum lighting maintenance
- Possibility of preventive maintenance
- Optimization of reactive maintenance
- Privacy and security commitment
- Encrypted communications
- Safe communications exchange through highest encryptation levels
- Database access security
- Secure hosting
- Cloud protection and data confidentiality
- Safe access with authentication
- Highest protection against unauthorized access









The products of the Mini Stelvio family are compliant with all applicable tests (third-party certification) pursuant to standard

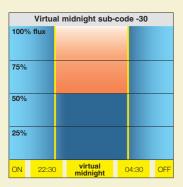
ANSI C136.31: Street Lighting – Luminaire Vibration.

- Test level: 3.0G Level 2 for bridge/overpass applications.

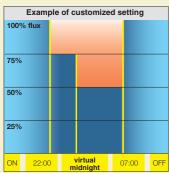


Low Flicker: product with a very low flicker; uniform light for greater eye protection

Virtual midnight: in order to optimize energy efficiency at night when vehicle and pedestrian traffic is lower, the luminaire can be programmed to activate certain pre-set scenarios when it is switched on, at a specific time, or when the light sensor reaches a certain threshold. This device is integrated into the fixture and does not require the installer to make any adjustments on the lighting system. The fixture can be connected with a class II two-wire (phase+neutral) cable or a class I three-wire (phase+netural+ground wire) cable.



Virtual midnight subcode -30: fixtures can be equipped with a device to dim lights in two levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. Factory settings are 2.5 hours before (about 10.30 p.m.) and 4.5 hours after (about 4.30 a.m.) the "virtual midnight". When the fixtures are switched on, they operate at 100%, after 4 hours they go down to 50% and after 7 hours they go up to 100% again.



Example of customized virtual midnight setting: fixtures can be equipped with a device to dim lights in different levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. When the fixtures are switched on, they operate at 100%, after 2 hours they go down to 75%, after 4 hours they go further down 50% and after 11 hours they go up to 100% again.

ATTENTION: as standard, all our street fixtures with **subcode -00** are supplied with programmable driver. **N.B.** upon request, it is possible to change virtual midnight factory settings.

Housing and cover: in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover

Pole connection: in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 15° for side mount; and between 0° and 10° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 63-60mm

Diffuser: clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN 12150-1 : 2001)

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

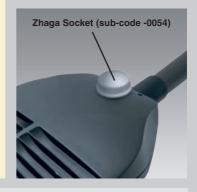


On request: coating compliant with UNI EN ISO 9227 Corrosion tests in artificial

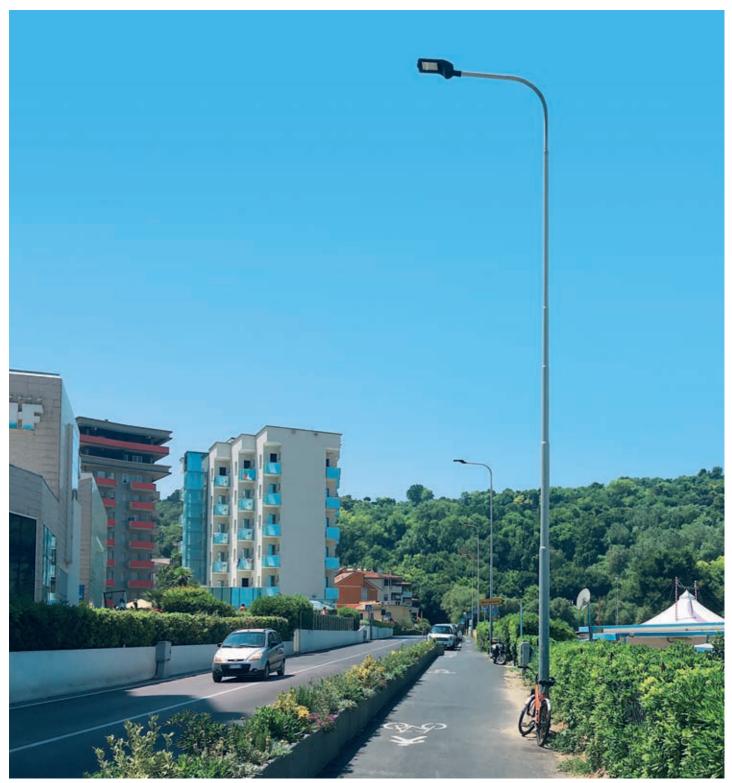
atmospheres for aggressive environments.

Standard supply: Automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module.

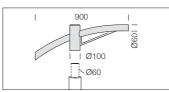
Equipment: complete with IP67 airtight connector for mains connection. Supplied with double insulation switch that cuts off electricity when the cover is opened.



| Table for the various options for managing the supply point | | | | | | | | |
|--|--|----------------------------|--|---|--|--|--|--|
| 1-10V dimming Virtual midnight PLC remote control Nema Socket Zhaga Socket | | | | | | | | |
| Adjustment range from 10%- 100% with 1-10V | Stand alone system with reduction of luminous flux and surge protector 6/10 KV | reduction of luminous flux | | Point-to-point and system manage- ment and diagnosis system with Wi-Fi system | | | | |
| Ordered with Ordered with Ordered with Ordered with Ordered with Sub-code -12 Sub-code -30 Sub-code -0078 Sub-code -40 Sub-code -0054 on request | | | | | | | | |
| Upon request: available with AC/DC converter as standard to allow operation in public lighting systems. | | | | | | | | |





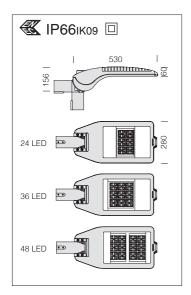


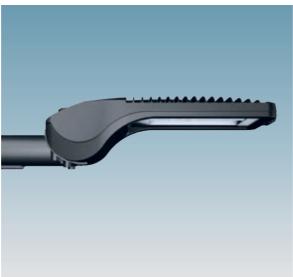
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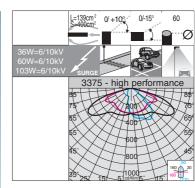
| acc. 504 single arm | | | | | | | |
|---------------------|--------|-----------|---|----------|--|--|--|
| anthrac. | | 991264-00 | | | | | |
| Suited fo 60mm. | r pole | s with | а | diameter | | | |

| acc. 508 double arm | | | | | | |
|---------------------|-----|-----------|------|---|----------|--|
| anthrac. | | 991265-00 | | | | |
| Suited 60mm. | for | poles | with | а | diameter | |
| OUITIITI. | | | | | | |



















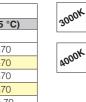


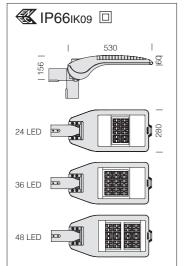


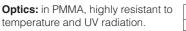
Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: 50.000h (L80B20).

| 3375 Mini Stelvio - high performance | | | | | | | | |
|--------------------------------------|-----------------------------------|----------|---------------------------------|------------|--------------------------|--|--|--|
| | CLD CELL LUMEN OUTPUT (tq= 25 °C) | | | | | | | |
| wattage | colour | weight | code | W tot | K - ølm - CRI | | | |
| LED | anthracite | 7.60 | 340200-00 | 36 | 4000K - 5523lm - CRI≥70 | | | |
| LED | anthracite | 7.60 | 340200-39 |] 36 | 3000K - 5136lm - CRI≥70 | | | |
| LED | anthracite | 8.00 | 340201-00 | 60 | 4000K - 8262lm - CRI≥70 | | | |
| LED | anthracite | 8.00 | 340201-39 |] ** | 3000K - 7684lm - CRI≥70 | | | |
| LED | anthracite | 8.10 | 340202-00 | 103 | 4000K - 13483lm - CRI≥70 | | | |
| LED | anthracite | 8.10 | 340202-39 | 1 103 | 3000K - 12539lm - CRI≥70 | | | |
| On request: | possibility to cont | rol each | individual light point (see tab | le on p. 3 | 363). | | | |







LED: Power factor ≥0.9. Luminous flux maintenance 80%: 50.000h (L80B20).



| | L=139cm ² S=400cm ² | 0/ +10° | 0/-15° * « | 60 |
|---|--|-----------------|---------------|------------|
| 00/4/ 0/40/3/ | | 1 | | 1 Ø |
| 36W=6/10kV 60W=6/10kV 103W=6/10kV | SURGE | | | |
| | 3376 | 3 - high | performa | |
| | 75 | | | 85 75 |
| | \$5 \$5 | | | 65/ |
| | 45. | A 60 80 | +12 | 45 |
| | 35 75/1 | 100 5 5 cd/K | ++ | 160 20 |
| | | W -JI | | |

















| | 337 | 6 Mini S | Stelvio - high perfo | rmance - | large areas |
|-------------|--------------------|--------------|-----------------------------|-------------|--------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage | colour | weight | code | W tot | K - ølm - CRI |
| LED | anthracite | 7.60 | 340210-00 | 36 | 4000K - 5333lm - CRI≥70 |
| LED | anthracite | 7.60 | 340210-39 | 30 | 3000K - 4960lm - CRI≥70 |
| LED | anthracite | 8.00 | 340211-00 | 60 | 4000K - 8129lm - CRI≥70 |
| LED | anthracite | 8.00 | 340211-39 | | 3000K - 7560lm - CRI≥70 |
| LED | anthracite | 8.10 | 340212-00 | 103 | 4000K - 13267lm - CRI≥70 |
| LED | anthracite | 8.10 | 340212-39 | 103 | 3000K - 12338lm - CRI≥70 |
| On request: | nossibility to con | trol each in | dividual light point (see t | able on n 3 | 363) |















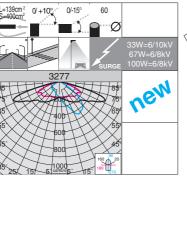


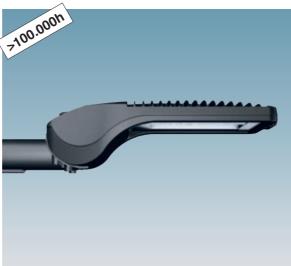












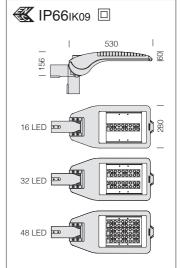
| Upon red | quest (sub-code | -44) | | | |
|---|-----------------|--------|-------------------|-------|---------------------------------|
| LED | 1750K | | | | |
| | | | | | |
| | | | 3277 Mini Stelvio | Fx T2 | |
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | anthracite | 7.60 | 330380-00 | 33 | 4000K - 4573lm - CRI≥70 |
| LED | anthracite | 7.60 | 330380-39 |] 33 | 3000K - 4345lm - CRI≥70 |
| LED | anthracite | 8.00 | 330381-00 | 67 | 4000K - 9142Im - CRI≥70 |
| LED | anthracite | 8.00 | 330381-39 |] " | 3000K - 8685lm - CRI≥70 |
| LED | anthracite | 8.10 | 330383-00 | 100 | 4000K - 13713lm - CRI≥70 |
| LED | anthracite | 8.10 | 330383-39 |] '00 | 3000K - 13027lm - CRI≥70 |
| On request: possibility to control each individual light point (see table on p. 363). | | | | | |

10834lm

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|
| | | 16 | 17 | | 2426lm |
| On request | 350mA | 32 | 32 | 4000K | 4851lm |
| | | 48 | 49 | | 7275lm |
| | | | | | |
| | | 16 | 25 | | 3613lm |
| On request | 530mA | 32 | 52 | 4000K | 7223lm |
| • | | | | 1 | |

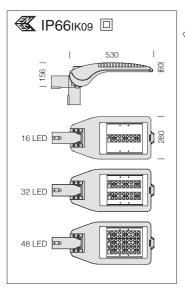
74

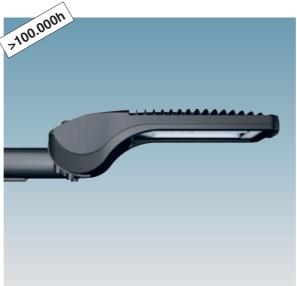
| n.LED | W tot | K | ølm |
|-------|-------|-------|---------|
| 16 | 17 | | 2305lm |
| 32 | 32 | 3000K | 4607lm |
| 48 | 49 | | 6911lm |
| | | | |
| 16 | 25 | | 3433lm |
| 32 | 52 | 3000K | 6862lm |
| 48 | 74 | | 10293lm |

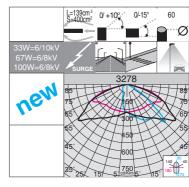


Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: 100.000h (L80B10).







Upon request (sub-code -44)

1750K

LED















Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: 100.000h (L80B10).

■ IP66IK09 □

530

19888888

| | | | 3278 Mini Stelvio F | x T3 | |
|-----------------|------------|--------|---------------------|-------|---------------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | anthracite | 7.60 | 330390-00 | 33 | 4000K - 4728lm - CRI≥70 |
| LED | anthracite | 7.60 | 330390-39 | 33 | 3000K - 4491Im - CRI≥70 |
| LED | anthracite | 8.00 | 330391-00 | 67 | 4000K - 9456lm - CRI≥70 |
| LED | anthracite | 8.00 | 330391-39 | 01 | 3000K - 8983Im - CRI≥70 |
| LED | anthracite | 8.10 | 330393-00 | 100 | 4000K - 14178lm - CRI≥70 |
| LED | anthracite | 8.10 | 330393-39 | 100 | 3000K - 13470lm - CRI≥70 |

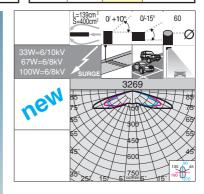




| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|
| | | 16 | 17 | | 2507lm |
| On request | 350mA | 32 | 32 | 4000K | 5016lm |
| | | 48 | 49 | | 7521lm |
| | | 16 | 25 | | 3735lm |
| On request | 530mA | 32 | 52 | 4000K | 7470lm |

| | n.LED | W tot | K | ølm |
|---|-------|-------|-------|---------|
| 1 | 16 | 17 | | 2383lm |
| ĺ | 32 | 32 | 3000K | 4766lm |
|] | 48 | 49 | | 7145lm |
| Ī | 16 | 25 | | 3548lm |
| 1 | 32 | 52 | 3000K | 7096lm |
| ı | 48 | 74 | | 10640lm |





Upon request (sub-code -44)

1750K

LED





















| Optics: in PMMA, highly resistant to |
|--------------------------------------|
| temperature and UV radiation. |
| LED. Dower factor - 0.0 |

48 LED 🔤

LED: Power factor ≥0.9. Luminous flux maintenance 80%: 100.000h (L80B10).

| | | 32 | 269 Mini Steivio F | X I5 | |
|---|------------|--------|--------------------|-------|---------------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | anthracite | 7.60 | 330460-00 | 33 | 4000K - 4510lm - CRI≥70 |
| LED | anthracite | 7.60 | 330460-39 | 33 | 3000K - 4284lm - CRI≥70 |
| LED | anthracite | 8.00 | 330461-00 | 67 | 4000K - 8910lm - CRI≥70 |
| LED | anthracite | 8.00 | 330461-39 | 0' | 3000K - 8464lm - CRI≥70 |
| LED | anthracite | 8.10 | 330463-00 | 100 | 4000K - 13366lm - CRI≥70 |
| LED | anthracite | 8.10 | 330463-39 | 100 | 3000K - 12698lm - CRI≥70 |
| On request: possibility to control each individual light point (see table on p. 363). | | | | | |

10559lm

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|
| | | 16 | 17 | | 2392lm |
| On request | 350mA | 32 | 32 | 4000K | 4727lm |
| - | | 48 | 49 | | 7091lm |
| | | | | | |
| | | 16 | 25 | | 3563lm |
| On request | 530mA | 32 | 52 | 4000K | 7039lm |
| | | | | | |

74

| 16 | 17 | | 2273lm |
|----------|----------|-------|------------------|
| 32 | 32 | 3000K | 4490lm |
| 48 | 49 | | 6736lm |
| | | | |
| | | | |
| 16 | 25 | | 3384lm |
| 16 32 | 25 52 | 3000K | 3384lm 6687lm |

n.LED W tot K



















| | 3275 Mini Stelvio plus | | | | | | |
|--|---|------|-----------|----|-------------------------|--|--|
| CLD CELL LUMEN OUTPUT (tq= 25 °C) | | | | | | | |
| wattage (700mA) colour weight code W tot K - ølm 700mA - CRI | | | | | | | |
| LED | anthracite | 7.60 | 330360-00 | 52 | 4000K - 5424lm - CRI≥70 | | |
| LED | LED anthracite 8.00 330361-00 78 4000K - 8135lm - CRI≥70 | | | | | | |
| LED anthracite 8.10 330362-00 102 4000K - 10848lm - CRI≥70 | | | | | | | |
| On request: pos | On request: possibility to control each individual light point (see table on p. 363). | | | | | | |

24 LED 🔤 36 LED 🔤 48 LED 🔤

> Optics: in PMMA, highly resistant to temperature and UV radiation. **LED:** Power factor ≥0.9.

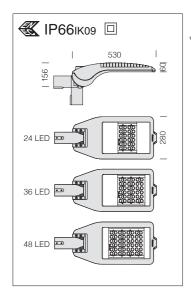
Luminous flux maintenance 80%:

100.000h (L80B10).

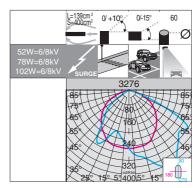
| code | W tot K - ølm 700mA - CRI | | | | | |
|---|-----------------------------------|--|--|--|--|--|
| 330360-00 | 52 4000K - 5424lm - CRI≥70 | | | | | |
| 330361-00 | 78 4000K - 8135lm - CRI≥70 | | | | | |
| 330362-00 | 102 4000K - 10848lm - CRI≥70 | | | | | |
| individual light point (see table on p. 363). | | | | | | |
| | | | | | | |

| | Power supply | n.LED | W tot | ølm |
|------------|--------------|-------|-------|--------|
| | | 24 | 27 | 2948lm |
| On request | 350mA | 36 | 39 | 4422lm |
| | | 48 | 53 | 5897lm |
| | | | | |
| | | 24 | 40 | 4316lm |
| On request | 530mA | 36 | 60 | 6475lm |
| 1 | | | | 00051 |























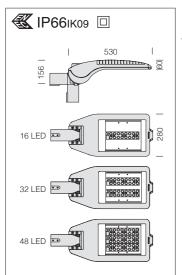
Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: 100.000h (L80B10).

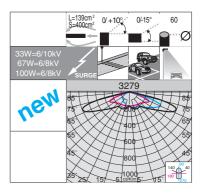
| 3276 Mini Stelvio plus - asymmetric | | | | | | | |
|--|--|------|-----------|----|-------------------------|--|--|
| CLD CELL LUMEN OUTPUT (tq= 25 °C) | | | | | | | |
| wattage (700mA) colour weight code W tot K - ølm 700mA - CRI | | | | | | | |
| LED | anthracite | 7.60 | 330370-00 | 52 | 4000K - 5502lm - CRI≥70 | | |
| LED | LED anthracite 8.00 330371-00 78 4000K - 7718Im - CRI≥70 | | | | | | |
| LED anthracite 8.10 330372-00 102 4000K - 10326lm - CRI≥70 | | | | | | | |
| On request: pos | On request: possibility to control each individual light point (see table on p. 363). | | | | | | |



| | Power supply | n.LED | W tot | ølm |
|------------|--------------|-------|-------|--------|
| | | 24 | 27 | 2991lm |
| On request | 350mA | 36 | 39 | 4488lm |
| | | 48 | 53 | 5983lm |
| | | | | |
| | | 24 | 40 | 4380lm |
| On request | 530mA | 36 | 60 | 6569lm |
| İ | | 48 | 78 | 8759lm |





















| | Upon request (sub-code -44) |
|-----|-----------------------------|
| LED | 1750K |

| FLICKER | |
|---------|--|
| | |

| Optics: in PMMA, highly resistant to | 3279 Mini Stelvio Fx T4 - asymmetric | | | | | | |
|---|--------------------------------------|------------|--------|-----------|-------|---------------------------------|--|
| temperature and UV radiation. | | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| LED: Power factor ≥0.9. | wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | |
| Luminous flux maintenance 80%: | LED | anthracite | 7.60 | 330450-00 | 33 | 4000K - 4571lm - CRI≥70 | |
| 100.000h (L80B10). | LED | anthracite | 7.60 | 330450-39 | 33 | 3000K - 4342lm - CRI≥70 | |
| 100.00011 (L00B10). | LED | anthracite | 8.00 | 330451-00 | 67 | 4000K - 9141Im - CRI≥70 | |
| | LED | anthracite | 8.00 | 330451-39 | 7 % | 3000K - 8684lm - CRI≥70 | |
| | LED | anthracite | 8.10 | 330453-00 | 100 | 4000K - 13712lm - CRI≥70 | |
| | LED | anthracite | 8.10 | 330453-39 | 100 | 3000K - 13027lm - CRI≥70 | |
| On request: possibility to control each individual light point (see table on p. 363). | | | | | | 63). | |

10832lm

| | Dower ownshi | - 1 FD | 10/4-4 | I/ | e-l-se |
|------------|--------------|--------|--------|-------|--------|
| | Power supply | n.LED | W tot | K | ølm |
| | | 16 | 17 | | 2425lm |
| On request | 350mA | 32 | 32 | 4000K | 4850lm |
| - | | 48 | 49 | | 7274lm |
| | | | | | |
| | | 16 | 25 | | 3611lm |
| On request | 530mA | 32 | 52 | 4000K | 7221lm |

74

| n.LED | W tot | K | ølm |
|-------|-------|-------|---------|
| 16 | 17 | | 2304lm |
| 32 | 32 | 3000K | 4607lm |
| 48 | 49 | | 6911lm |
| | | | |
| 16 | 25 | | 3430lm |
| 32 | 52 | 3000K | 6861lm |
| 48 | 74 | | 10290lm |









The products of the Stelvio family are compliant with all applicable tests (third-party certification) pursuant to standard

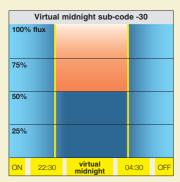
ANSI C136.31: Street Lighting – Luminaire Vibration.

- Test level: 3.0G Level 2 for bridge/overpass applications.

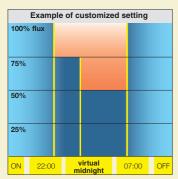


Low Flicker: product with a very low flicker; uniform light for greater eye protection.

Virtual midnight: in order to optimize energy efficiency at night when vehicle and pedestrian traffic is lower, the luminaire can be programmed to activate certain pre-set scenarios when it is switched on, at a specific time, or when the light sensor reaches a certain threshold. This device is integrated into the fixture and does not require the installer to make any adjustments on the lighting system. The fixture can be connected with a class II two-wire (phase+neutral) cable or a class I three-wire (phase+netural+ground wire) cable.



Virtual midnight subcode -30: fixtures can be equipped with a device to dim lights in two levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. Factory settings are 2.5 hours before (about 10.30 p.m.) and 4.5 hours after (about 4.30 a.m.) the "virtual midnight". When the fixtures are switched on, they operate at 100%, after 4 hours they go down to 50% and after 7 hours they go up to 100% again.



Example of customized virtual midnight setting: fixtures can be equipped with a device to dim lights in different levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. When the fixtures are switched on, they operate at 100%, after 2 hours they go down to 75%, after 4 hours they go further down 50% and after 11 hours they go up to 100% again.

ATTENTION: as standard, all our street fixtures with **subcode -00** are supplied with programmable driver. **N.B.** upon request, it is possible to change virtual midnight factory settings.

Housing and cover: in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the

Pole connection: in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 15° for side mount; and between 0° and 10° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 63-60mm

Diffuser: clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN 12150-1 : 2001)

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

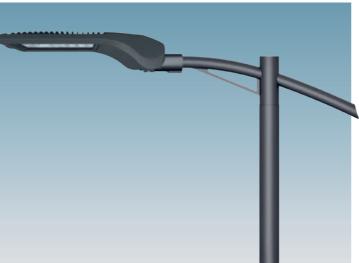
Standard supply: Automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module.

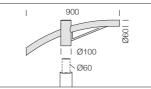
Equipment: complete with IP67 airtight connector for mains connection. Supplied with double insulation switch that cuts off electricity when the cover is opened.



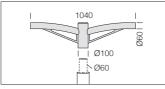
| | Table for the various options for managing the supply point | | | | | | |
|--|--|---|--|--------------|---|--|--|
| 1-10V dimming | Virtual midnight | PLC remote control | Nema Socket | Zhaga Socket | Wi-Fi remote control (to be agreed upon) | | |
| Adjustment range from 10%- 100% with 1-10V | Stand alone system with reduction of luminous flux and surge protector 6/10 KV | Point-to-point and system management and diagnosis system | It can be installed directly onto the luminaire's body, ideal for the remote control of lights | | Point-to-point and system manage- ment and diagnosis system with Wi-Fi system | | |
| Ordered with Ordered with Ordered with Ordered with Ordered with Sub-code -12 Sub-code -30 Sub-code -0078 Sub-code -40 Sub-code -0054 on request | | | | | | | |
| Upon request: available with AC | pon request: available with AC/DC converter as standard to allow operation in public lighting systems. | | | | | | |



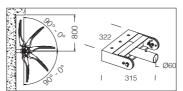




| acc. 504 single arm | | | | | | |
|---------------------|-------|------|----|----------|--|--|
| anthrac. | 9912 | 64- | 00 | | | |
| Suited for 60mm. | poles | with | а | diameter | | |

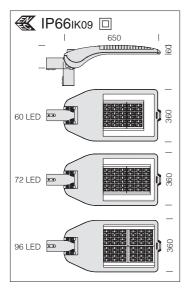


| acc | . 508 | doub | le | arm |
|------------------|-------|------|-----|----------|
| anthrac. | | 9912 | 65- | 00 |
| Suited for 60mm. | poles | with | а | diameter |

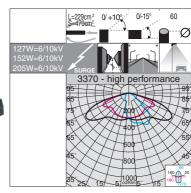


| acc. 5 | 78 adjustable bracket |
|----------|--|
| anthrac. | 997709-00 |
| | bracket for wall mounting on the towers. |























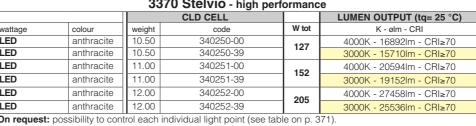
3000K

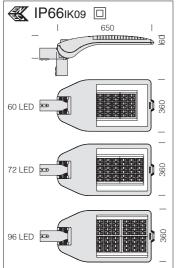
4000K

Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: 80.000h (L80B20).

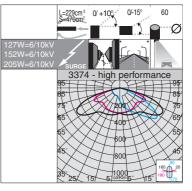
| 3370 Stelvio - high performance | | | | | | | | |
|----------------------------------|--------------------|------------|--------------------------------|-------------|--------------------------|--|--|--|
| CLD CELL LUMEN OUTPUT (tq= 25 °C | | | | | | | | |
| wattage | colour | weight | code | W tot | K - ølm - CRI | | | |
| LED | anthracite | 10.50 | 340250-00 | 127 | 4000K - 16892lm - CRI≥70 | | | |
| LED | anthracite | 10.50 | 340250-39 | 121 | 3000K - 15710lm - CRI≥70 | | | |
| LED | anthracite | 11.00 | 340251-00 | 152 | 4000K - 20594lm - CRI≥70 | | | |
| LED | anthracite | 11.00 | 340251-39 | 132 | 3000K - 19152lm - CRI≥70 | | | |
| LED | anthracite | 12.00 | 340252-00 | 205 | 4000K - 27458lm - CRI≥70 | | | |
| LED | anthracite | 12.00 | 340252-39 | 203 | 3000K - 25536lm - CRI≥70 | | | |
| On request: p | ossibility to conf | rol each i | ndividual light point (see tab | ole on p. 3 | 371). | | | |





























Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: 80.000h (L80B20).

| | 3374 Stelvio - high performance - large areas | | | | | | | | | |
|-------------|---|--------|-----------|-------|--------------------------|--|--|--|--|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | | | | | |
| wattage | colour | weight | code | W tot | K - ølm - CRI | | | | | |
| LED | anthracite | 10.50 | 340260-00 | 127 | 4000K - 16348lm - CRI≥70 | | | | | |
| LED | anthracite | 10.50 | 340260-39 | 1 '2' | 3000K - 15204lm - CRI≥70 | | | | | |
| LED | anthracite | 11.00 | 340261-00 | 152 | 4000K - 19920lm - CRI≥70 | | | | | |
| LED | anthracite | 11.00 | 340261-39 | 132 | 3000K - 18526lm - CRI≥70 | | | | | |
| LED | anthracite | 12.00 | 340262-00 | 205 | 4000K - 26560lm - CRI≥70 | | | | | |
| LED | anthracite | 12.00 | 340262-39 | 203 | 3000K - 24701lm - CRI≥70 | | | | | |
| On request: | On request: possibility to control each individual light point (see table on p. 371). | | | | | | | | | |













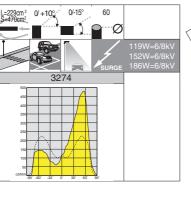












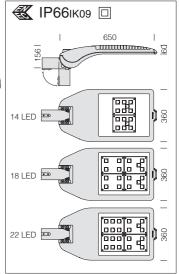


| | | 32 | 74 - Stelvio 2 plus - as | symmet | tric |
|-----------------|----------------|-----------|------------------------------------|------------|--------------------------|
| | | | CLD CELL | l | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | anthracite | 11.30 | 320360-00 | 119 | 4000K - 12817lm - CRI≥70 |
| LED | anthracite | 11.30 | 320360-39 | 1 ''' | 3000K - 11920lm - CRI≥70 |
| LED | anthracite | 11.40 | 320361-00 | 152 | 4000K - 16481lm - CRI≥70 |
| LED | anthracite | 11.40 | 320361-39 | 1 132 | 3000K - 15327lm - CRI≥70 |
| LED | anthracite | 12.80 | 320363-00 | 186 | 4000K - 20144lm - CRI≥70 |
| LED | anthracite | 12.80 | 320363-39 | | 3000K - 18734lm - CRI≥70 |
| On request: po | ssibility to c | ontrol ea | ch individual light point (see tab | le on p. 3 | 371). |

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|---------|
| | | 14 | 58 | | 6408lm |
| On request | 350mA | 18 | 75 | 4000K | 8240lm |
| | | 22 | 91 | | 10072lm |
| | | | | | |
| | | 14 | 90 | | 9704lm |

| | n.LED | W tot | K | ølm |
|-----|-------|-------|-------|--------|
| | 14 | 58 | | 5959lm |
| | 18 | 75 | 3000K | 7663lm |
| | 22 | 91 | | 9367lm |
| | | | | |
| 1 1 | 1/ | 00 | | 0025lm |

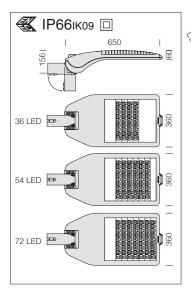
| | | | | | | _ | | | | |
|------------|-------|----|-----|-------|---------|---|----|-----|-------|---------|
| | | 14 | 90 | | 9704lm | 1 | 14 | 90 | | 9025lm |
| On request | 530mA | 18 | 116 | 4000K | 12478lm | | 18 | 116 | 3000K | 11605lm |
| | | 22 | 142 | | 15251lm | | 22 | 142 | | 14183lm |



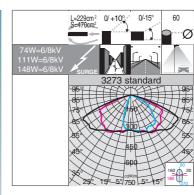
Optics: in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).

RG0

















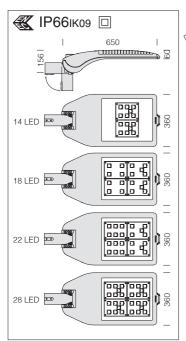


Optics: V0 polycarbonate with micro-faceted finish. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).

Sub-code -30: version with virtual midnight.

| | | | 3273 - S | Stelvio 1 plus S | | |
|-----------------|------------|--------|-----------|------------------|-------|--------------------------|
| | | | CLD CELL | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | code | W tot | K - ølm 700mA - CRI |
| LED | anthracite | 10.00 | 330344-00 | 330344-30 | 74 | 4000K - 8646lm - CRI>70 |
| LED | anthracite | 10.00 | 330344-39 | | 7 '* | 3000K - 8041lm - CRI≥70 |
| LED | anthracite | 11.00 | 330345-00 | 330345-30 | 111 | 4000K - 13138lm - CRI>70 |
| LED | anthracite | 11.00 | 330345-39 | |] ''' | 3000K - 12218lm - CRI≥70 |
| LED | anthracite | 12.00 | 330347-00 | 330347-30 | 148 | 4000K - 17517lm - CRI>70 |
| LED | anthracite | 12.00 | 330347-39 | | 140 | 3000K - 16291lm - CRI≥70 |



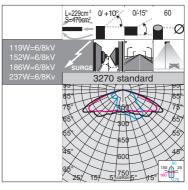
Optics: in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).

Sub-code -30: version with **virtual midnight**.

On request: possibility to control each individual light point (see table on p. 371).







RG0







| | | | 327 | 0 - Stelvio 1 plus | | |
|-----------------|------------|--------|-----------|--------------------|--------|--------------------------|
| | | | CLD CELL | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | code | W tot | K - ølm 700mA - CRI |
| LED | anthracite | 11.30 | 330342-00 | 330342-30 | 119 | 4000K - 13099lm - CRI≥70 |
| LED | anthracite | 11.30 | 330342-39 | | ן ייין | 3000K - 12182lm - CRI≥70 |
| LED | anthracite | 11.40 | 330348-00 | 330348-30 | 152 | 4000K - 16842lm - CRI≥70 |
| LED | anthracite | 11.40 | 330348-39 | | 132 | 3000K - 15663lm - CRI≥70 |
| LED | anthracite | 12.80 | 330343-00 | 330343-30 | 186 | 4000K - 20586lm - CRI≥70 |
| LED | anthracite | 12.80 | 330343-39 | | 100 | 3000K - 19145lm - CRI≥70 |
| LED | anthracite | 12.80 | 330349-00 | 330349-30 | 237 | 4000K - 26198lm - CRI≥70 |
| LED | anthracite | 12.80 | 330349-39 | | 237 | 3000K - 24364lm - CRI≥70 |

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|---------|
| | | 14 | 58 | | 7214lm |
| On request | 350mA | 18 | 75 | 4000K | 9276lm |
| On request | SOUTIA | 22 | 91 | 4000K | 11340lm |
| | | 28 | 116 | | 13099lm |
| | | 14 | 90 | | 9824lm |
| | | | | | |
| On request | 530mA | 18 | 116 | 4000K | 12630lm |
| On request | | 22 | 142 | 40001 | 15437lm |
| | | 20 | 170 | 1 | 10936lm |

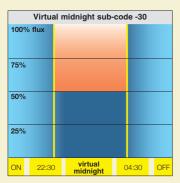
| n.LED | w tot | K | øim |
|-------|-------|-------|-------------------|
| 14 | 58 | | 6709lm |
| 18 | 75 | 3000K | 8627lm |
| 22 | 91 | 30001 | 10546lm |
| 28 | 116 | | 12182lm |
| | | | |
| 14 | | | |
| 14 | 90 | | 9136lm |
| 18 | 116 | 3000K | 9136lm 11746lm |
| | | 3000K | |

- LED WASH K





Virtual midnight: in order to optimize energy efficiency at night when vehicle and pedestrian traffic is lower, the luminaire can be programmed to activate certain pre-set scenarios when it is switched on, at a specific time, or when the light sensor reaches a certain threshold. This device is integrated into the fixture and does not require the installer to make any adjustments on the lighting system. The fixture can be connected with a class II two-wire (phase+neutral) cable or a class I three-wire (phase+netural+ground wire) cable.



Virtual midnight subcode -30: fixtures can be equipped with a device to dim lights in two levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. Factory settings are 2.5 hours before (about 10.30 p.m.) and 4.5 hours after (about 4.30 a.m.) the "virtual midnight". When the fixtures are switched on, they operate at 100%, after 4 hours they go down to 50% and after 7 hours they go up to 100% again.



Example of customized virtual midnight setting: fixtures can be equipped with a device to dim lights in different levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. When the fixtures are switched on, they operate at 100%, after 2 hours they go down to 75%, after 4 hours they go further down 50% and after 11 hours they go up to 100% again.

ATTENTION: as standard, all our street fixtures with **subcode -00** are supplied with programmable driver. **N.B.** upon request, it is possible to change virtual midnight factory settings.

Housing and cover: in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover

Pole connection: in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 20° for side mount; and between 0° and 15° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 46-76.

Diffuser: clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN 12150-1 : 2001)

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Standard supply: automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module. Complete with quick connection.

Energy-saving: the possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions, and also help you deal with maintenance and retrofitting problems. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.



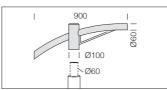
Low Flicker: product with a very low flicker; uniform light for greater eye protection.

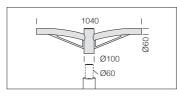


| Table for the various options for managing the supply point | | | | | | | | |
|---|---|---|--|-----------------------------|---|--|--|--|
| 1-10V dimming | Virtual midnight | PLC remote control | Nema Socket | Zhaga Socket | Wi-Fi remote control (to be agreed upon) | | | |
| Adjustment range from 10%- 100% with 1-10V | Stand alone system with reduction of luminous flux and surge protector 6/10 KV | Point-to-point and system management and diagnosis system | It can be installed directly onto the luminaire's body, ideal for the remote control of lights | | Point-to-point and system manage- ment and diagnosis system with Wi-Fi system | | | |
| Ordered with sub-code -12 | Ordered with sub-code -30 | Ordered with sub-code -0078 | Ordered with sub-code -40 | Ordered with sub-code -0054 | on request | | | |
| Upon request: available with AC | Joon request: available with AC/DC converter as standard to allow operation in public lighting systems. | | | | | | | |





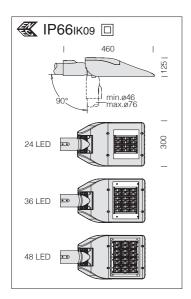




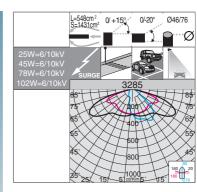
| acc. 504 single arm | | | | | | |
|---------------------|-----|-------|------|-----|----------|--|
| grey | | | 9912 | 32- | 00 | |
| Suited | for | poles | with | а | diameter | |
| 60mm. | | | | | | |

| acc. 508 double arm | | | | | |
|---------------------|----|-------|------|-----|----------|
| grey | | | 9912 | 66- | 00 |
| Suited f | or | poles | with | а | diameter |
| 60mm. | | | | | |























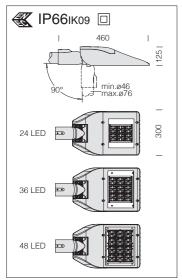
Optics: in PMMA, highly resistant to temperature and UV radiation.

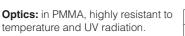
LED: Power factor ≥0,9. Luminous flux maintenance 80%: 80.000h (L80B20).

| 3285 Rolle - high performance | | | | | | |
|-------------------------------|-----------------|----------------|--------------------------------|-----------|--------------------------|--|
| CLD CELL LUMB | | | | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage | colour | weight | code | W tot | K - ølm - CRI | |
| LED | grey | 6.50 | 340100-00 | 25 | 4000K - 4346lm - CRI 70 | |
| LED | grey | 6.50 | 340100-39 | 25 | 3000K - 4287lm - CRI 70 | |
| LED | grey | 7.00 | 340101-00 | 45 | 4000K - 7412lm - CRI 70 | |
| LED | grey | 7.00 | 340101-39 | 73 | 3000K - 7266lm - CRI 70 | |
| LED | grey | 7.00 | 340102-00 | 78 | 4000K - 11561lm - CRI 70 | |
| LED | grey | 7.00 | 340102-39 | 7 '8 | 3000K - 11221lm - CRI 70 | |
| LED | grey | 7.00 | 340103-00 | 102 | 4000K - 15415lm - CRI 70 | |
| LED | grey | 7.00 | 340103-39 | 102 | 3000K - 13828lm - CRI 70 | |
| On request: po | ossibility to o | control each i | ndividual light point (see tal | ole on p. | 377). | |









LED: Power factor ≥0,9. Luminous flux maintenance 80%: 80.000h (L80B20).



| | L=548cm ² S=1431cm ² | 0/+150 | 0/-20° | Ø46/76 |
|--|---|---------|--------|---------|
| 25W=6/10kV 45W=6/10kV 78W=6/10kV | SURGE | | | |
| 102W=6/10kV | dell | 32 | 36 | 1 8: |
| | 75 | | | |
| | 55 | X 40 | | 61 |
| | \$5 | 1 60 | 1 | X 3 |
| | *** | 80 | 9 | 160 0 2 |
| | 25 25 | 5 5 00/ | 00 17 | 180 |



















| 3286 Rolle - high performance | | | | | | |
|-------------------------------|----------------|--------|---------|-----------------------------------|----------|--------------------------|
| | | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage | colour | we | eight | code | W tot | K - ølm - CRI |
| LED | grey | 6. | 3.50 | 340110-00 | 25 | 4000K - 4229lm - CRI 70 |
| LED | grey | 6. | 6.50 | 340110-39 | 7 23 | 3000K - 4172lm - CRI 70 |
| LED | grey | 7. | 7.00 | 340111-00 | 45 | 4000K - 7212lm - CRI 70 |
| LED | grey | 7. | 7.00 | 340111-39 | 1 43 | 3000K - 7071lm - CRI 70 |
| LED | grey | 7. | 7.00 | 340112-00 | 78 | 4000K - 11251lm - CRI 70 |
| LED | grey | 7. | 7.00 | 340112-39 | 7 ′° | 3000K - 10920lm - CRI 70 |
| LED | grey | 7. | 7.00 | 340113-00 | 102 | 4000K - 15001lm - CRI 70 |
| LED | grey | 7. | 7.00 | 340113-39 | 1 102 | 3000K - 13033lm - CRI 70 |
| On request: | possibility to | contro | rol eac | h individual light point (see tab | le on p. | 377). |













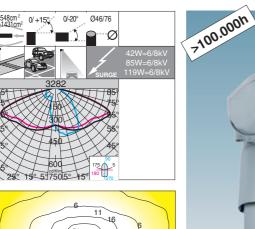












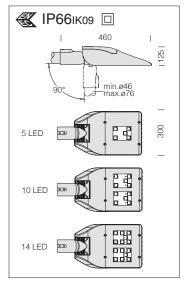
| 165±89 21 16 31 |
|--------------------|
|--------------------|

| 55° 55° 55° 20° 27° 111 16 6 | | 0000 | |
|---|-----------------|--------------------------|---|
| | | | |
| | 3282 Rolle - T3 | | |
| | CLD CELL | LUMEN OUTDUT (ta- 25 °C) | i |

| 3282 Rolle - T3 | | | | | | | |
|-----------------|--|--------|-----------|-------|--------------------------|--|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | | |
| LED | grey | 7.70 | 330420-00 | 42 | 4000K - 4606lm - CRI 70 | | |
| LED | grey | 7.70 | 330420-39 | 42 | 3000K - 4284lm - CRI 70 | | |
| LED | grey | 7.70 | 330421-00 | 85 | 4000K - 9214lm - CRI 70 | | |
| LED | grey | 7.70 | 330421-39 | 00 | 3000K - 8569lm - CRI 70 | | |
| LED | grey | 7.70 | 330422-00 | 119 | 4000K - 12900lm - CRI 70 | | |
| LED | grey | 7.70 | 330422-39 | 119 | 3000K - 11997lm - CRI 70 | | |
| On request: pos | On request: possibility to control each individual light point (see table on p. 377) | | | | | | |

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|
| On request | | 5 | 21 | | 2538lm |
| | 350mA | 10 | 42 | 4000K | 5077lm |
| | | 14 | 58 | | 7107lm |
| | | | | | |
| | | 5 | 32 | | 3455lm |
| On request | 530mA | 10 | 64 | 4000K | 6910lm |
| | | | | | |

| n.LED | W tot | K | ølm |
|-------|-------|-------|--------|
| 5 | 21 | | 2360lm |
| 10 | 42 | 3000K | 4722lm |
| 14 | 58 | | 6610lm |
| | | | |
| 5 | 32 | | 3213lm |
| 10 | 64 | 3000K | 6426lm |
| 14 | 90 | | 8998lm |

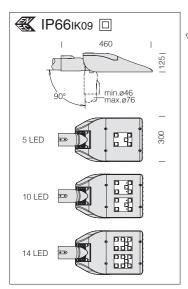


Optics: in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0,9. Luminous flux maintenance 80%: >100.000h (L80B10).

RG0

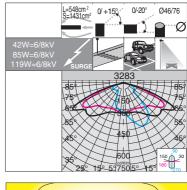
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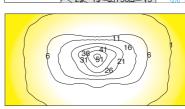


Optics: in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0,9. Luminous flux maintenance 80%: >100.000h (L80B10).













| 3000K | |
|-------|--|



RG0

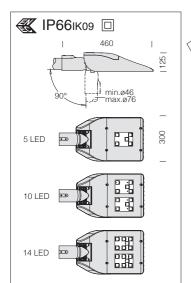
Ethr

| 3. | |
|-------|--|
| 4000K | |

| 3283 Rolle - T4 | | | | | | |
|-----------------|--------|--------|-----------|-------|--------------------------|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | |
| LED | grey | 7.70 | 330430-00 | 42 | 4000K - 4623lm - CRI 70 | |
| LED | grey | 7.70 | 330430-39 | 42 | 3000K - 4299lm - CRI 70 | |
| LED | grey | 7.70 | 330431-00 | 85 | 4000K - 9247lm - CRI 70 | |
| LED | grey | 7.70 | 330431-39 |] 03 | 3000K - 8600lm - CRI 70 | |
| LED | grey | 7.70 | 330432-00 | 119 | 4000K - 12946lm - CRI 70 | |
| LED | grey | 7.70 | 330432-39 | 1119 | 3000K - 12040lm - CRI 70 | |

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|
| | | 5 | 21 | | 2548lm |
| On request | 350mA | 10 | 42 | 4000K | 5096lm |
| | | 14 | 58 | | 7133lm |
| | | | | | |
| | | 5 | 32 | | 3467lm |
| On request | 530mA | 10 | 64 | 4000K | 6935lm |
| _ | | 14 | 90 | | 9709lm |

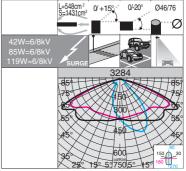
| | n.LED | W tot | K | ølm |
|---|-------|-------|-------|--------|
| 1 | 5 | 21 | | 2370lm |
| 1 | 10 | 42 | 3000K | 4739lm |
|] | 14 | 58 | | 6634lm |
| | | | | |
| ı | 5 | 32 | | 3224lm |
| ĺ | 10 | 64 | 3000K | 6450lm |
| 1 | 14 | 90 | | 9029lm |

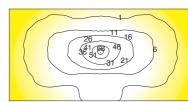


Optics: in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0,9. Luminous flux maintenance 80%: >100.000h (L80B10).







| 25° 15° 5° 750 5° 15° 180 270 |
|-------------------------------|
| 26 11 16 36 55 31 21 5 |

| FLICKER | |
|---------|--|
| 3000K | |



| | | | CLD CELL | 1 | LUMEN OUTPUT (tq= 25 °C) |
|---|--------|--------|-----------|-------|--------------------------|
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | grey | 7.70 | 330440-00 | 42 | 4000K - 4659lm - CRI 70 |
| LED | grey | 7.70 | 330440-39 | ** | 3000K - 4333Im - CRI 70 |
| LED | grey | 7.70 | 330441-00 | 85 | 4000K - 9320lm - CRI 70 |
| LED | grey | 7.70 | 330441-39 | " | 3000K - 8668lm - CRI 70 |
| LED | grey | 7.70 | 330442-00 | 119 | 4000K - 13049lm - CRI 70 |
| LED | grey | 7.70 | 330442-39 | ''' | 3000K - 12136lm - CRI 70 |
| On request: possibility to control each individual light point (see table on p. 377). | | | | | |

9787lm

3284 Rolle - T5

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|
| | | 5 | 21 | | 2566lm |
| On request | 350mA | 10 | 42 | 4000K | 5135lm |
| | | 14 | 58 | | 7190lm |
| | | | | | |
| | | 5 | 32 | | 3495lm |
| On request | 530mA | 10 | 64 | 4000K | 6990lm |

90

| 5 | 21 | | 2386lm |
|----|----|-------|--------|
| 10 | 42 | 3000K | 4776lm |
| 14 | 58 | | 6687lm |
| | | | |
| 5 | 32 | | 3250lm |
| 10 | 64 | 3000K | 6501lm |
| 14 | 90 | | 9102lm |

ølm

n.LED W tot K

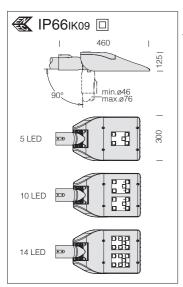


RG0

Ethr

Ø46/76

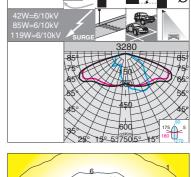
0/-20°



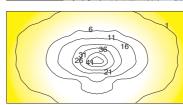
Optics: in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0,9. Luminous flux maintenance 80%: >100.000h (L80B10).





0/ +15°







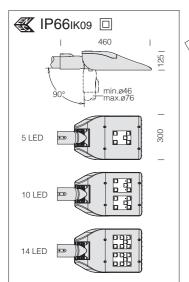
4000K

RG0

Ethr

| 3280 Rolle - T1 | | | | | | |
|-----------------|--------|--------|-----------|-------|--------------------------|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | |
| LED | grey | 7.70 | 330400-00 | 42 | 4000K - 4561lm - CRI 70 | |
| LED | grey | 7.70 | 330400-39 | 72 | 3000K - 4242lm - CRI 70 | |
| LED | grey | 7.70 | 330401-00 | 85 | 4000K - 9122lm - CRI 70 | |
| LED | grey | 7.70 | 330401-39 | 63 | 3000K - 8483lm - CRI 70 | |
| LED | grey | 7.70 | 330402-00 | 119 | 4000K - 12772lm - CRI 70 | |
| LED | grey | 7.70 | 330402-39 | 119 | 3000K - 11878lm - CRI 70 | |

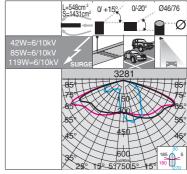
| | Power supply | n.LED | W tot | K | ølm | | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|----|-------|-------|-------|--------|
| | | 5 | 21 | | 2508lm | П | 5 | 21 | | 2332lm |
| On request | 350mA | 10 | 42 | 4000K | 5017lm | ΙI | 10 | 42 | 3000K | 4666lm |
| | | 14 | 58 | | 7024lm | П | 14 | 58 | | 6532lm |
| | | | | | | | | | | |
| | | 5 | 32 | | 3420lm | Ш | 5 | 32 | | 3181lm |
| On request | 530mA | 10 | 64 | 4000K | 6842lm | Ш | 10 | 64 | 3000K | 6383lm |
| - | | 14 | 90 | | 9579lm | | 14 | 90 | | 8908lm |

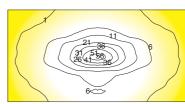


Optics: in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

LED: Power factor ≥0,9. Luminous flux maintenance 80%: >100.000h (L80B10).







| 29° 15° 57505° 55° 180 1270 |
|---|
| 21-31-06-00-00-00-00-00-00-00-00-00-00-00-00- |

| X | 21 31 6 |
|---|---------|
| | 60 |

| | FLICKER |
|-----|---------|
| °C) | 3000K |
|) | 4000K |

| 3281 Rolle - T2 | | | | | | |
|---|--------|--------|-----------|-------|--------------------------|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI | |
| LED | grey | 7.70 | 330410-00 | 42 | 4000K - 4613lm - CRI 70 | |
| LED | grey | 7.70 | 330410-39 | 1 42 | 3000K - 4290lm - CRI 70 | |
| LED | grey | 7.70 | 330411-00 | 85 | 4000K - 9225lm - CRI 70 | |
| LED | grey | 7.70 | 330411-39 | 00 | 3000K - 8579lm - CRI 70 | |
| LED | grey | 7.70 | 330412-00 | 119 | 4000K - 12916lm - CRI 70 | |
| LED | grey | 7.70 | 330412-39 | 1119 | 3000K - 12012lm - CRI 70 | |
| On request: possibility to control each individual light point (see table on p. 377). | | | | | | |

| | Power supply | n.LED | W tot | K | ølm |
|------------|--------------|-------|-------|-------|--------|
| | | 5 | 21 | | 2536lm |
| On request | 350mA | 10 | 42 | 4000K | 5074lm |
| | | 14 | 58 | | 7104lm |
| | | | | | |
| | | 5 | 32 | | 3453lm |
| On request | 530mA | 10 | 64 | 4000K | 6906lm |

| n.LED | W tot | K | ølm |
|-------|-------|-------|--------|
| 5 | 21 | | 2358lm |
| 10 | 42 | 3000K | 4719lm |
| 14 | 58 | | 6607lm |
| | | | |
| 5 | 32 | | 3211lm |
| 10 | 64 | 3000K | 6423lm |
| 14 | 90 | | 8992lm |

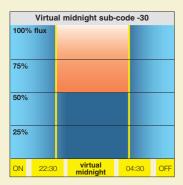




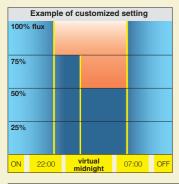


Anti-light pollution optical system: the modularity of the optical system, the solutions used for the electronic circuit design and the optimal control of operating temperatures, make the Susa line a highly professional, flexible and reliable product, capable of guaranteeing huge application advantages in several situations

Virtual midnight: in order to optimize energy efficiency at night when vehicle and pedestrian traffic is lower, the luminaire can be programmed to activate certain pre-set scenarios when it is switched on, at a specific time, or when the light sensor reaches a certain threshold. This device is integrated into the fixture and does not require the installer to make any adjustments on the lighting system. The fixture can be connected with a class II two-wire (phase+neutral) cable or a class I three-wire (phase+netural+ground wire) cable.



Virtual midnight subcode -30: fixtures can be equipped with a device to dim lights in two levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. Factory settings are 2.5 hours before (about 10.30 p.m.) and 4.5 hours after (about 4.30 a.m.) the "virtual midnight". When the fixtures are switched on, they operate at 100%, after 4 hours they go down to 50% and after 7 hours they go up to 100% again.



Example of customized virtual midnight setting: fixtures can be equipped with a device to dim lights in different levels, based on virtual midnight calculation. The reduction of the luminous flux occurs without pilot wire or control phase. The average value between the time the fixture is switched on (sunset) and switched off (sunrise) is the reference point for the device and it is commonly known as "virtual midnight". A microprocessor calculates the desired switching time starting from this reference point. When the fixtures are switched on, they operate at 100%, after 2 hours they go down to 75%, after 4 hours they go further down 50% and after 11 hours they go up to 100% again.

ATTENTION: as standard, all our street fixtures with subcode -00 are supplied with programmable driver. N.B. upon request, it is possible to change virtual midnight factory settings.

Table for the various options for managing the supply point

| 14.515 15 | and turned opinione for manage | .ge earleb.) be | |
|---|--|---------------------------|-----------------------------|
| 1-10V dimming | Virtual midnight | Nema Socket | Zhaga Socket |
| Adjustment range from 10%-100% with 1-10V | 10%-100% Stand alone system with reduction of luminous flux and surge protector 6/10 KV for the remote control of lights | | |
| Ordered with sub-code -12 | Ordered with sub-code -30 | Ordered with sub-code -40 | Ordered with sub-code -0054 |

Housing: in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

Pole connection: in die-cast aluminium and with gaskets to secure the frame. Suited for poles with a diameter 45-60mm.

Optics: in PMMA, highly resistant to temperature and UV radiation.

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Standard supply: automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module. Complete with quick connection.

Equipment: silicone rubber gasket; external screws and bolts in stainless steel; air recirculation valve. Insulation connector for quick installation with **no need to open the fixture.**

Photometric performance: designed with an optical system capable of controlling the potential glare created by the growing light intensity of LEDs while achieving high photometric performance. This allows the application in street lighting schemes where there is a significant distance between the poles.

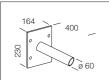


Low Flicker: product with a very low flicker; uniform light for greater eye protection.

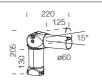


Susa - LED

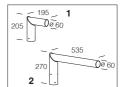




| acc. 248 wall bracket | | | | | |
|-----------------------|------------------------|--|--|--|--|
| grey 997708-00 | | | | | |
| | For wall Connection | | | | |



| | acc. 405 | | | | | |
|--------------------|----------|--|--|--|--|--|
| articulated connec | | | | | | |
| | grey | 991407-00 | | | | |
| | | for pole instal- D. Adjustable at 90°. | | | | |



| | acc. 205 | | | | | |
|--------------------------|----------|-----------|--|--|--|--|
| mast-top mounting | | | | | | |
| 1 | grey | 426941-00 | | | | |
| 2 | grey | 426948-00 | | | | |
| To be used for pole inst | | | | | | |











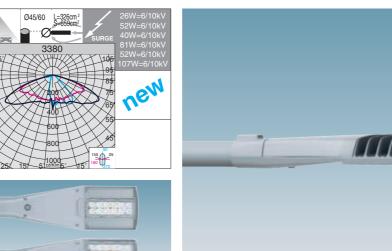






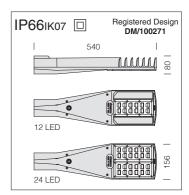






| 0 | 100 | | | | |
|-----------------|--------|--------|-------------------------|-------|-------------------------|
| | | 3380 | 0 Susa ME - residential | ameni | ties |
| | | | CLD CELL | | LUMEN OUTPUT (t |
| wattage (350mA) | colour | weight | code | W tot | K - ølm 350mA - |
| LED | grey | 2.30 | 340504-00 | 26 | 4000K - 3600lm - |
| LED | grey | 2.30 | 340504-39 | 20 | 3000K - 3348lm - |
| LED | grey | 2.50 | 340505-00 | 52 | 4000K - 7385lm - |
| LED | grey | 2.50 | 340505-39 | 52 | 3000K - 6868lm - |
| wattage (530mA) | | | | | K - ølm 530mA - |
| LED | | 0.00 | 0.405.00.00 | | 10001/ 5115 |

| 3380 Susa ME - residential amenities | | | | | |
|--------------------------------------|--------|--------|--------------------------|---------------|--------------------------------|
| | | | LUMEN OUTPUT (tq= 25 °C) | | |
| wattage (350mA) | colour | weight | code | W tot | K - ølm 350mA - CRI |
| LED | grey | 2.30 | 340504-00 | 26 | 4000K - 3600lm - CRI 80 |
| LED | grey | 2.30 | 340504-39 | 7 20 [| 3000K - 3348lm - CRI 80 |
| LED | grey | 2.50 | 340505-00 | 52 | 4000K - 7385lm - CRI 80 |
| LED | grey | 2.50 | 340505-39 | 7 52 | 3000K - 6868Im - CRI 80 |
| wattage (530mA) | | | | | K - ølm 530mA - CRI |
| LED | grey | 2.30 | 340500-00 | 40 | 4000K - 5145lm - CRI 80 |
| LED | grey | 2.30 | 340500-39 | 7 40 | 3000K - 4785lm - CRI 80 |
| LED | grey | 2.50 | 340501-00 | 81 | 4000K - 9979lm - CRI 80 |
| LED | grey | 2.50 | 340501-39 | □ °' [| 3000K - 9280lm - CRI 80 |
| wattage (700mA) | | | | | K - ølm 700mA - CRI |
| LED | grey | 2.30 | 340502-00 | 52 | 4000K - 6372lm - CRI 80 |
| LED | grey | 2.30 | 340502-39 | ³² | 3000K - 5926lm - CRI 80 |
| LED | grey | 2.50 | 340503-00 | 107 | 4000K - 12360lm - CRI 80 |
| LED | grey | 2.50 | 340503-39 | 107 | 3000K - 11495lm - CRI 80 |

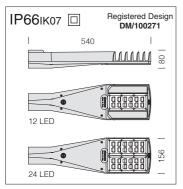


| ı | LED: power factor ≥0,92. Luminous flux maintenance: | | | | | |
|-----|--|-------|--|--|--|--|
| 80% | 80.000h (L80B10) | 350mA | | | | |
| 80% | 70.000h (L80B10) | 530mA | | | | |
| 80% | 60.000h (L80B10) | 700mA | | | | |

Version best suited for mediumheight poles.

On request: possibility to control each individual light point (see table on p. 385).

Susa - LED 387



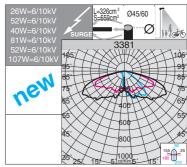
| LED: power factor ≥0,92. Luminous flux maintenance: | | | | | |
|--|------------------|-------|--|--|--|
| 80% | 80.000h (L80B10) | 350mA | | | |
| 80% | 70.000h (L80B10) | 530mA | | | |
| 80% | 60.000h (L80B10) | 700mA | | | |

Version best suited for lighting installations where poles are spaced farther apart.

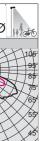
On request: possibility to control each individual light point (see table on p. 385).



| 800 45 25 25 15 51000 15 00 00 |
|-----------------------------------|
| |
| On request: in olive green |









RG0

Ethr



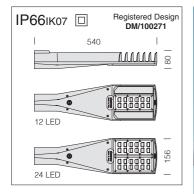






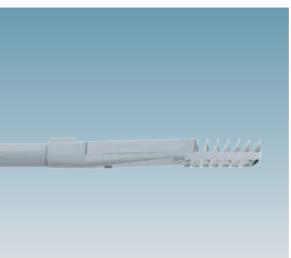


| | 3381 Susa T3 - residential amenities | | | | | | |
|-----------------|--------------------------------------|--------|-----------|-------|--------------------------------|--|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | | |
| wattage (350mA) | colour | weight | code | W tot | K - ølm 350mA - CRI | | |
| LED | grey | 2.30 | 340514-00 | 26 | 4000K - 3780lm - CRI 80 | | |
| LED | grey | 2.30 | 340514-39 | 7 20 | 3000K - 3516lm - CRI 80 | | |
| LED | grey | 2.50 | 340515-00 | 52 | 4000K - 7316lm - CRI 80 | | |
| LED | grey | 2.50 | 340515-39 |] 32 | 3000K - 6800lm - CRI 80 | | |
| wattage (530mA) | | | | | K - ølm 530mA - CRI | | |
| LED | grey | 2.30 | 340510-00 | 40 | 4000K - 5109lm - CRI 80 | | |
| LED | grey | 2.30 | 340510-39 | 70 | 3000K - 4751m - CRI 80 | | |
| LED | grey | 2.50 | 340511-00 | 81 | 4000K - 9887lm - CRI 80 | | |
| LED | grey | 2.50 | 340511-39 | | 3000K - 9195lm - CRI 80 | | |
| wattage (700mA) | | | | | K - ølm 700mA - CRI | | |
| LED | grey | 2.30 | 340512-00 | 52 | 4000K - 6328lm - CRI 80 | | |
| LED | grey | 2.30 | 340512-39 | 7 32 | 3000K - 5885lm - CRI 80 | | |
| LED | grey | 2.50 | 340513-00 | 107 | 4000K - 12246lm - CRI 80 | | |
| LED | grey | 2.50 | 340513-39 |] '07 | 3000K - 11389lm - CRI 80 | | |

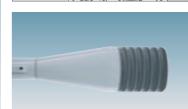


| LED: power factor ≥0,92. Luminous flux maintenance: | | | | | |
|--|------------------|-------|--|--|--|
| 80% | 80.000h (L80B10) | 350mA | | | |
| 80% | 70.000h (L80B10) | 530mA | | | |
| 80% | 60.000h (L80B10) | 700mA | | | |

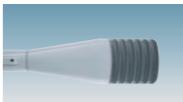
On request: possibility to control each individual light point (see table on p. 385).







| 26W=6/10kV 52W=6/10kV | L=326cm ² Ø45/60 |
|--------------------------|-------------------------------------|
| 40W=6/10kV | SURGE |
| 81W=6/10kV 52W=6/10kV | 3382 |
| 107W=6/10kV | 95 |
| No. | 85 |
| VEM | 65 |
| _ | 55 |
| | 45 |
| | 1200 |
| | 35° 25' 15 5' cd/klm 5° 15° 180 270 |



| | ES |
|---|------|
| | |
| 1 | RG0 |
| | Ethr |
| | |
| | +40 |















| 3382 Susa T2 - cycleways | | | | | | |
|--------------------------|--------|--------|-----------|-------|--------------------------------|--|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (350mA) | colour | weight | code | W tot | K - ølm 350mA - CRI | |
| LED | grey | 2.30 | 340524-00 | 26 | 4000K - 3770lm - CRI 80 | |
| LED | grey | 2.30 | 340524-39 |] 20 | 3000K - 3500lm - CRI 80 | |
| LED | grey | 2.50 | 340525-00 | 52 | 4000K - 7298lm - CRI 80 | |
| LED | grey | 2.50 | 340525-39 |] 32 | 3000K - 6788Im - CRI 80 | |
| wattage (530mA) | | | | | K - ølm 530mA - CRI | |
| LED | grey | 2.30 | 340520-00 | 40 | 4000K - 5098lm - CRI 80 | |
| LED | grey | 2.30 | 340520-39 |] 🕶 | 3000K - 4741lm - CRI 80 | |
| LED | grey | 2.50 | 340521-00 | 81 | 4000K - 9863lm - CRI 80 | |
| LED | grey | 2.50 | 340521-39 |] "' | 3000K - 9173lm - CRI 80 | |
| wattage (700mA) | | | | | K - ølm 700mA - CRI | |
| LED | grey | 2.30 | 340522-00 | - 52 | 4000K - 6314lm - CRI 80 | |
| LED | grey | 2.30 | 340522-39 |] 32 | 3000K - 5872lm - CRI 80 | |
| LED | grey | 2.50 | 340523-00 | 107 | 4000K - 12217lm - CRI 80 | |
| LED | grey | 2.50 | 340523-39 |] '" | 3000K - 11362lm - CRI 80 | |



Housing/Frame: in die-cast aluminium with latch.

Diffuser: tempered glass, 4 mm thick, resistant to thermal shock and impact (UNI En 12150-1/2001).

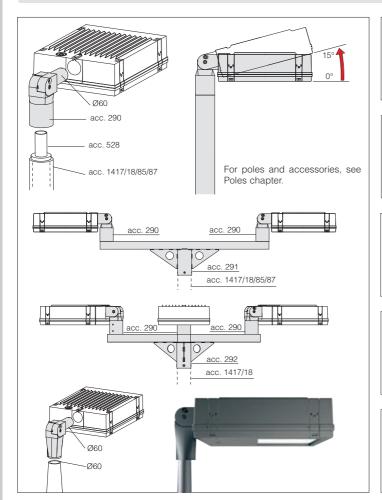
Optics: in PMMA, highly resistant to temperature and UV radiation

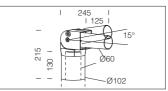
Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Equipment: automatic temperature control device. In the event of an unexpected temperature rise caused by particular weather conditions or LED malfunctioning, the system will reduce the drive current as the LED gets warmer, reducing the lamp's operating temperature and guaranteeing proper operation. Supplied with safety diode to protect against voltage peaks compliant with EN 61547; complete with IP67 airtight connector for mains connection.

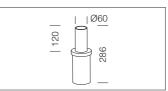
LED: Power factor ≥0.9. Luminous flux maintenance 80%: 80.000h (L80B20).

Accessories Pordoi

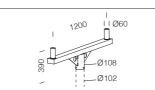




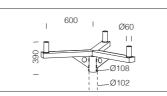
| acc. 290 joint | | | | | | |
|------------------------------------|---|--|--|--|--|--|
| graphite 991442-00 | | | | | | |
| Always use f with acc. 14 "Poles") | or application with poles 417/18 (see section on | | | | | |



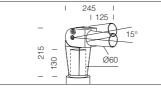
| acc. 528 mast-top connection | | | | | | |
|------------------------------|---------------------------|--|--|--|--|--|
| graphite | 991463-00 | | | | | |
| In steel. To be nection | e used as a mast-top con- | | | | | |



| acc. 291 dual arm | | | | | |
|--------------------|---|--|--|--|--|
| graphite 991444-00 | | | | | |
| mounting on | with 2 acc. 290 for dual arm. We recom- poles acc. 1417/18/85/87 on "Poles") | | | | |

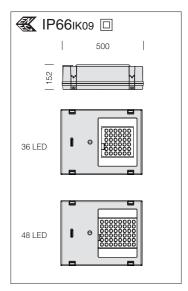


| acc. | 292 triple arm |
|-------------|---|
| graphite | 991446-00 |
| mounting on | with 3 acc. 290 for triple arm. We recom- poles acc. 1485/1487 on "Poles") |



| acc. 290 joint | | | | | |
|----------------------|-----|--------------|-----|-------|--|
| graphite | | 991439 | -00 | | |
| To be used with ø60. | for | installation | on | poles | |

RG0 Éthr



colour

graphite

graphite

weight 10.00

10.00

On request: possibility to control each individual light point (see table on p. XIX).

wattage (530mA)

LED

LED



W tot

60

78

LUMEN OUTPUT (tq= 25 °C)

K - ølm 530mA - CRI

4000K - 6706lm - CRI>70

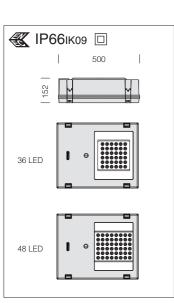
4000K - 8943lm - CRI>70

| | L=900cm ² | 0/+15° | 0/±15° | 60 |
|--------------------------|----------------------|------------|------------|-------------------|
| | | | - 1 |)(|
| 60W=6/10kV 78W=6/10kV | SURGE | | | |
| | | 33 | 20 | |
| | 859 | | | 38 |
| | 75° | | | \angle |
| | 65 | X/+30 | ot XX | XX6 |
| | 65 | XII. | | \times_{δ} |
| | X-0 | 1 45 | THE | $\times \rangle$ |
| | 45° | 60 | d 1 | <u></u> |
| | 350 | 75 | 00 5° 15° | 150 |
| | (25% 1 | 59 59 cd/K | 15° 15° | γ I Ιου Ψ, |











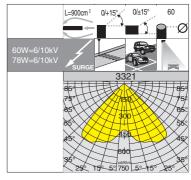
| 3321 - Pordoi 5 - wide beam | | | | | |
|---|-----------------------------------|--------|-----------|-------|--------------------------|
| | CLD CELL LUMEN OUTPUT (tq= 25 °C) | | | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (530mA) | colour | weight | code | W tot | K - ølm 530mA - CRI |
| LED | graphite | 10.00 | 328160-00 | 60 | 4000K - 7656lm - CRI>70 |
| LED | graphite | 10.00 | 328161-00 | 78 | 4000K - 10208lm - CRI>70 |
| On request: possibility to control each individual light point (see table on p. XIX). | | | | | |

3320 - Pordoi 4 - street lighting

code

328150-00

328151-00























Housing: in die-cast aluminium.

Cover: in die-cast aluminium, toolfree hinge opening. With sealing latches and stainless steel safety device against accidental closure.

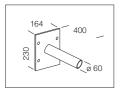
Diffuser: tempered glass, 5 mm thick, resistant to thermal shock and impacts (UNI EN 12150-1:2001 tests).

Optics: in PMMA, highly resistant to temperature and UV radiation.

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Equipment: automatic temperature control device. In the event of an unexpected temperature rise caused by particular weather conditions or LED malfunctioning, the system will reduce the drive current as the LED gets warmer, reducing the lamp's operating temperature and guaranteeing proper operation. Electronic safety device to protect the LED module and the related ballast compliant with EN 61547. With dedicated electronic device to protect the LED module. Swivelling socket with protractor on the housing; it can be adjusted by loosening the bolts without taking the entire device apart. Supplied with quick IP67 connector.

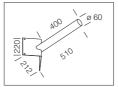
Accessories Mini Brera1 and Brera1



| | c. 248 I bracket |
|----|---------------------|
| | |
| 00 | 007700 00 |

1.30 997708-00 In grey steel. For wall

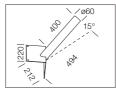
In grey steel. For wall mounting. Connection Ø 60.



acc. 249 corner bracket

1.90 997803-00

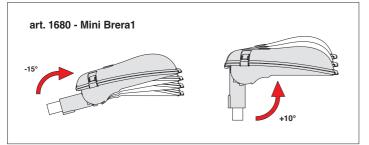
In grey steel. For wall corner mounting. Connection Ø 60.

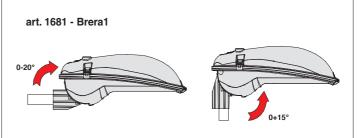


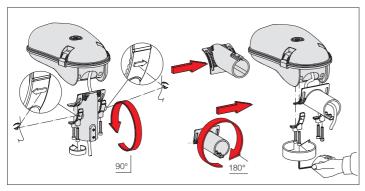
acc. 49 corner bracket

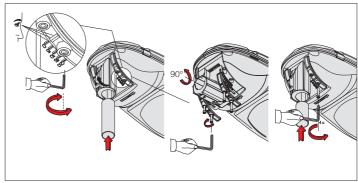
 $\begin{array}{c|cccc} 1.90 & 997802\text{-}00 \\ \hline \text{In grey steel. For wall} \\ \hline \text{corner mounting.} \\ \hline \text{Connection} & \varnothing & 60. \\ \hline \end{array}$

Angle 15°

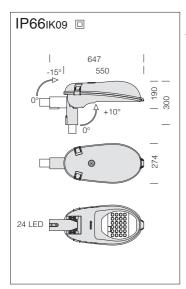






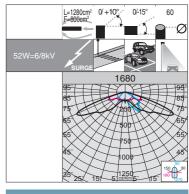






LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).













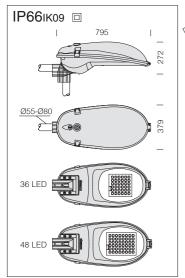






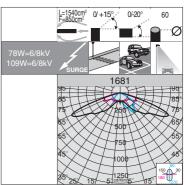


| 1680 - Mini Brera 1 | | | | | | |
|---|----------|------|--|------|--------------------------|---------------------|
| CLD CELL LUMEN OUTPUT (tq= 25 | | | | | LUMEN OUTPUT (tq= 25 °C) | |
| wattage (700mA) | colour | w | veight | code | W tot | K - ølm 700mA - CRI |
| LED | graphite |] [5 | 5.40 325350-00 52 4000K - 5435lm - CRI>70 | | | |
| On request: possibility to control each individual light point (see table on p. XIX). | | | | | | |

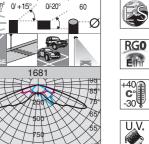


LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).











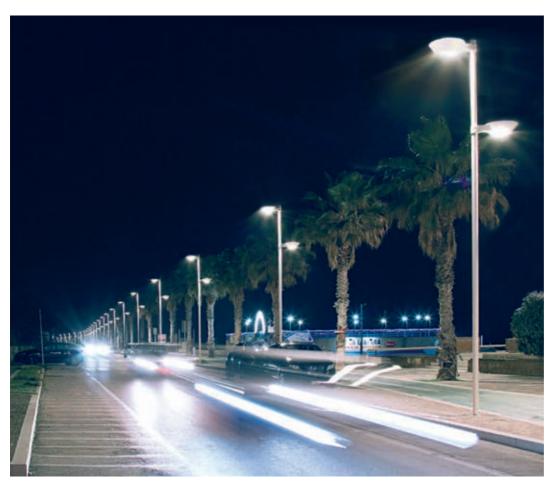






| | | | 1681 - Brera 1 | | |
|------------------|------------------|------------|----------------------------------|-----------|--------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (700mA) | colour | weight | code | W tot | K - ølm 700mA - CRI |
| LED | graphite | 12.70 | 325370-00 | 78 | 4000K - 8144lm - CRI>70 |
| LED | graphite | 13.00 | 325371-00 | 109 | 4000K - 10860lm - CRI>70 |
| On request: poss | sibility to cont | rol each i | ndividual light point (see table | e on p. X | IX). |





Housing: in die-cast aluminium. Closing hooks are made of die-cast aluminium with retractable safety screws and AISI 304 stainless steel springs.

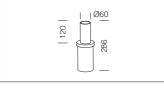
Diffusers: in tempered glass, 5 mm thick, resistant to thermal and mechanical shock (UNI EN 12150-1/2001).

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

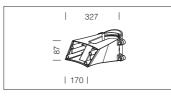
Equipment: temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module.

Upon request: available with AC/ DC converter as standard to allow operation in public lighting systems.

Accessories



| acc. 528 mast-top connection | | | |
|------------------------------|---------------------------------|--|--|
| graphite 991463-00 | | | |
| In galvanise | ed steel. To be used as a mast- | | |
| top connect | top connection | | |



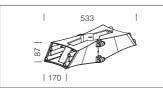
| acc. 281 single pole mounting arm | | | | |
|--|-----------|--|--|--|
| graphite | 991432-00 | | | |
| In die-cast aluminium. We recommend using poles acc. 1485/87 – 1417/18 | | | | |



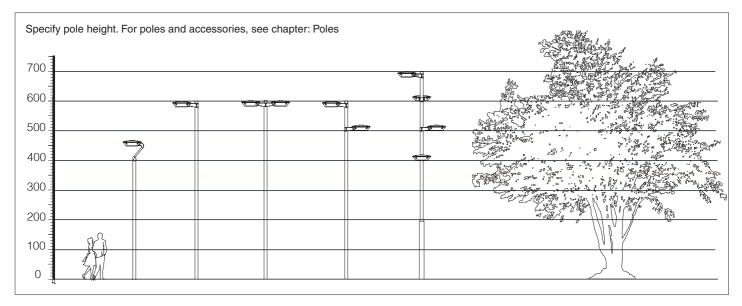
| graphite | 991430-00 | | |
|-------------|-----------|----------|-------------|
| In die-cast | alum | inium. | |
| To be use | d for | mast-top | connection. |

acc. 280 fork

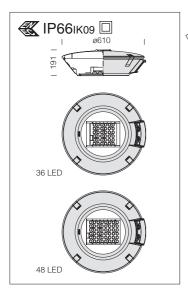
We recommend using poles acc.



| acc. 28 | acc. 282 dual pole mounting arm | | |
|----------|--|--|--|
| graphite | 991434-00 | | |
| | In die-cast aluminium. We recommend using poles acc. 1485/87 – 1417/18 | | |



RG0



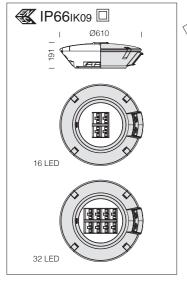
Optics: in PMMA, highly resistant to temperature and UV radiation.

LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).



| 3306 Visconti 7 - street lighting | | | | | |
|---|-----------------|------------|---------------------------------|-----------|--------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (530mA) | colour | weight | code | W tot | K - ølm 530mA - CRI |
| LED | graphite | 10.60 | 328070-00 | 60 | 4000K - 6937lm - CRI>70 |
| LED graphite 10.60 328071-00 78 4000K - 9252lm - CRI>70 | | | | | |
| On request: possib | ility to contro | ol each in | dividual light point (see table | e on p. > | (IX). |

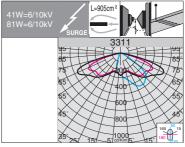
| | Power Supply | n.LED | W tot | ølm |
|------------|--------------|-------|-------|--------|
| On request | 350mA | 36 | 37 | 4581lm |
| On request | 350MA | 48 | 51 | 6110lm |



Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).







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RG0 Ethr

| | 3311 Visconti 12 - STWВ | | | | |
|--|-------------------------|-----------|--------------------------------------|-----------|--------------------------|
| | | | CLD CELL | | LUMEN OUTPUT (tq= 25 °C) |
| wattage (350mA) | colour | weight | code | W tot | K - ølm 350mA - CRI |
| LED | graphite | 10.60 | 328030-00 | 41 | 4000K - 5404lm - CRI 70 |
| LED graphite 10.60 328031-00 81 4000K - 10430Im - CRI 70 | | | | | |
| On request: pos | ssibility to c | ontrol ea | ch individual light point (see table | e on p. X | IX). |





Housing/Frame: in die-cast aluminium.

Diffuser: tempered glass, 5 mm thick, resistant to thermal shock and impacts (UNI EN 12150-1:2001

Optics: in PMMA, highly resistant to temperature and UV radiation.

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

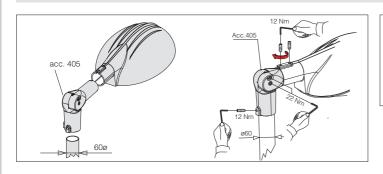


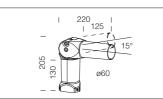
UNI EN SO 9227 On request: coating compliant with UNI EN ISO 9227 Corrosion tests in artificial

atmospheres for aggressive environments.

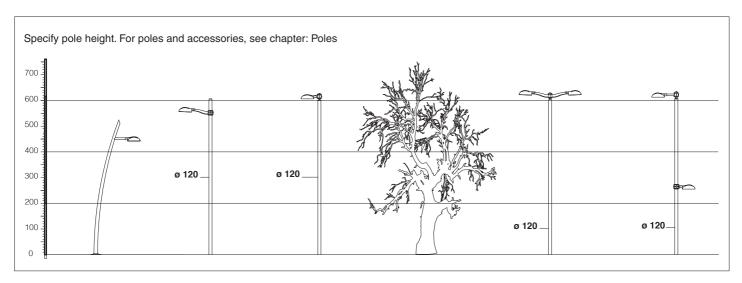
Standard supply: temperature control inside the device with automatic resetting. Supplied with double insulation switch.

Monza Accessories

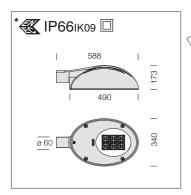




| acc. 405 | articulated connect. | |
|--|----------------------|--|
| grey | 991385-00 | |
| To be used for Monza pole installation | | |







LED: Power factor ≥0,9. Luminous flux maintenance 80%: 80.000h (L80B20).



| | L 800 cm² 0/+15°, 0/+20° 60 |
|------------|--|
| 39W=6/10kV | SURGE |
| new | 1756 85 85 86 86 86 86 86 86 86 86 86 86 86 86 86 |
| | 55 750 55 45 1000 44 |















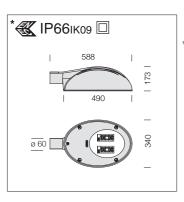
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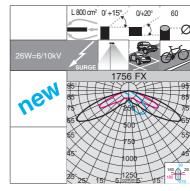


| 1756 Monza HP - high performance | | | | | | | | |
|-----------------------------------|---------------------|----------|-----------------------------------|------|--------------------------------|--|--|--|
| CLD CELL LUMEN OUTPUT (tq= 25 °C) | | | | | | | | |
| wattage | colour | weight | weight code | | K - ølm - CRI | | | |
| LED | grey 9007 | 6.00 | 423066-00 | 39 | 4000K - 5580lm - CRI 70 | | | |
| LED | grey 9007 | 6.00 | 423066-39 | 39 | 3000K - 5189lm - CRI 70 | | | |
| On request | nossibility to cont | rol each | individual light point (see table | on n | (IX) | | | |



LED: Power factor ≥0.9. Luminous flux maintenance 80%: >100.000h (L80B10).





















| | 1756 Monza - FX | | | | | | | |
|-----------------------------------|------------------|----------|-----------------------------------|-----------|--------------------------------|--|--|--|
| CLD CELL LUMEN OUTPUT (tq= 25 °C) | | | | | | | | |
| wattage (270mA) | colour | weight | code | W tot | K - ølm 270mA - CRI | | | |
| LED | grey 9007 | 6.00 | 423065-00 | 26 | 4000K - 3723lm - CRI 70 | | | |
| LED | grey 9007 | 6.00 | 423065-39 | 20 | 3000K - 3462Im - CRI 70 | | | |
| On request: pos | sibility to cont | rol each | individual light point (see table | e on p. X | (IX). | | | |



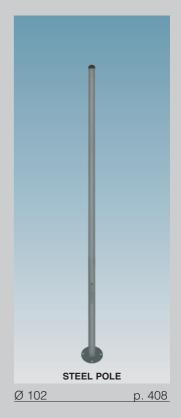


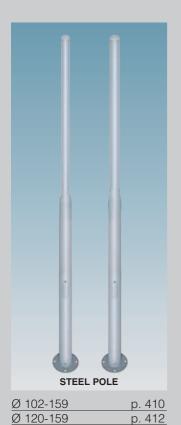


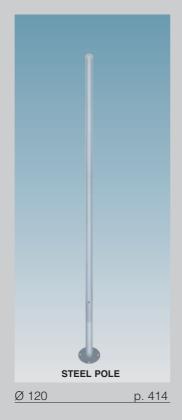












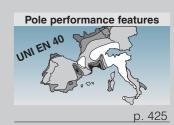




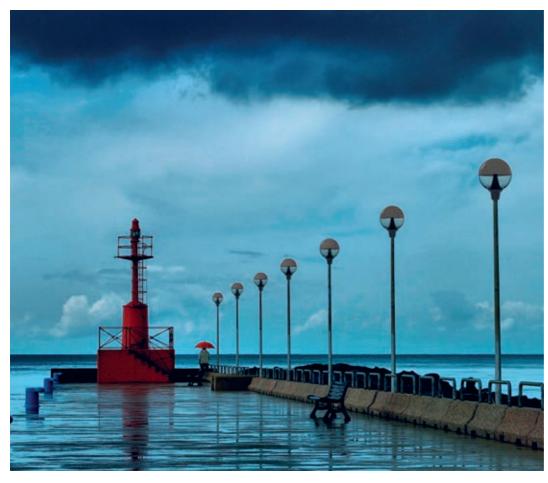












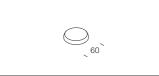
Fibreglass poles have a round or cone-shaped cross-section (dimensions depend on mechanical requi-

Compared with aluminium or steel poles they offer the following advantages:

- lighter weight
- less maintenance
- surfaces are not attacked by corrosive agents
- electrically insulated
- less dangerous when impact occurs
- extremely flexible in the wind.

Certificated poles: These poles are recommended for small-size luminaires (decorative factor), in private areas, (anti-vandalism factor). They can be installed both on a base or buried according to measurements.

Accessories



| acc. 115 pole cap | | | | | | | |
|-------------------|--------------------------|--|--|--|--|--|--|
| black | 991331-00 | | | | | | |
| | s nylon. To apply to Ø60 | | | | | | |

mm pole. End cap for the pole top.



| acc. | 50 base for acc 5 |
|-------|---|
| black | 991216-00 |
| 0 , | n; supplied with burying use with poles max 1900 ction Ø 60 |

| | Legend Poles pictograms | | | | | | | | | | |
|-------------------|---|--|---|--|--|---|-----------------------|---|--|--|--|
| | | ‡ | \$ | ‡ | * | ø | Ø | | | | |
| | | \$ | | ‡ | | Ø | Ø | | | | |
| | | | | | | | | | | | |
| Total height pole | Height above ground or spotlight | Height of pole sunk into the ground | Distance ground/ inspection window (if present) | Height of inspection window (if present) | Width of inspection of window (if present) | Diameter of pole in rela- tion to the ground | Diameter head/Pole | Diameter of base and log bolt holes (if present) | | | |

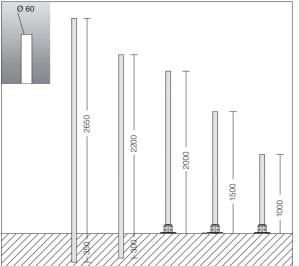
| Fibreglass poles: table of general features | | | | | | | | | |
|--|----------|------------------------|-----------------------------|--|--|--|--|--|--|
| h pole | diam. Ø | recommended on base | recomended sinking h. mn | | | | | | |
| 1000 | Ø 60 | acc. 50 | | | | | | | |
| 1500 | Ø 60 | acc. 50 | | | | | | | |
| 2000 | Ø 60 | acc. 50 | 250 | | | | | | |
| 2500 | Ø 60 | | 300 | | | | | | |
| 3000 | Ø 60 | | 350 | | | | | | |
| 3600 | Ø 60/120 | | 400 | | | | | | |
| 4600 | Ø 60/137 | | 500 | | | | | | |
| 5600 | Ø 60/154 | | 600 | | | | | | |





(6



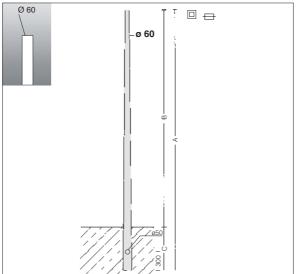






| | acc 5 p | ole ø 60 | without | window | | |
|-----------------|---------------------------------------|--------------|---------------|--------------|---------------|------|
| colour | code | | 1 | ‡ | Ø | Ø |
| black | 991903-00 | 1000 | 800 | 200 | | |
| black | 991904-00 | 1500 | 1250 | 250 | | |
| black | 991905-00 | 2000 | 1750 | 250 | ø 60 | ø 60 |
| black | 991906-00 | 2500 | 2200 | 300 | | |
| black | 991907-00 | 3000 | 2650 | 350 | | |
| Cone-shaped fib | reglass pole, black, corrosion resist | ant, mechani | cal high-resi | stance and l | JV stabilized | d. |







| acc 1278 cone-shaped pole without window | | | | | | | | | |
|--|-----------|----------|------|-----------|-------|------|--|--|--|
| colour | code | 1 | 1 | \$ | Ø | Ø | | | |
| black | 428617-00 | 3600 | 3200 | 400 | ø 120 | | | | |
| black | 428618-00 | 4600 | 4100 | 500 | ø 137 | ø 60 | | | |
| black | 428619-00 | 5600 | 5000 | 600 | ø 154 | | | | |





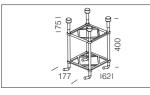
Ø 60

Fluted pole made of extruded aluminium, anodised by 15/20µ thick tin salt electrocoating; graphite or natural oxidised colour.

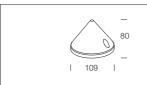
With die-cast inspection window (186x45mm), protective fuse holder, 16A fuse, 4-pole/3-way removable terminal block = 10 sqmm, 2,5 sqmm connection. With hole for insertion of power supply cable. Die-cast aluminium adapter, \emptyset 60 mm. For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased. Standard insulation class II.

When using Insulation Class I fixtures, appropriate grounding connections should be included in the system.

NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1

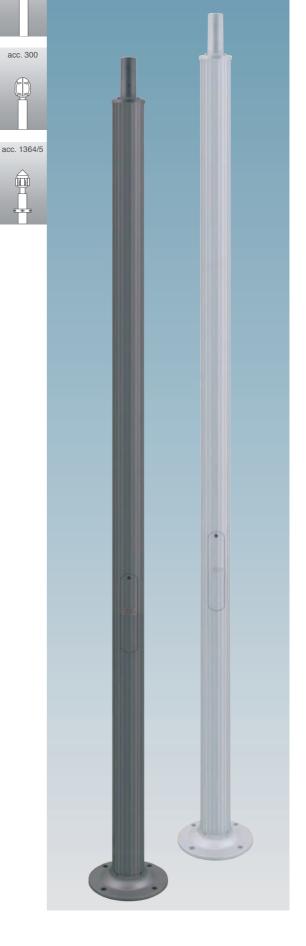


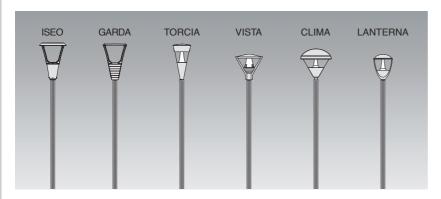
acc. 299 log bolts 991396-00 Log bolts are to be always bought with the pole 1408.



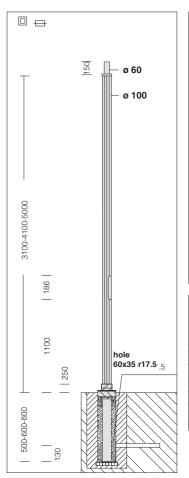
| acc. 367 cover for poles | | | | | | |
|--------------------------|--|--|--|--|--|--|
| 426998-00 | | | | | | |
| 426997-00 | | | | | | |
| | | | | | | |

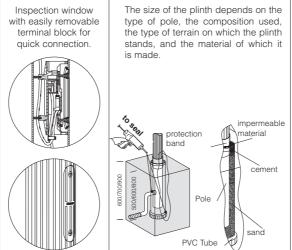
Made of aluminium. To be used when a particular aesthetic finish is desired.







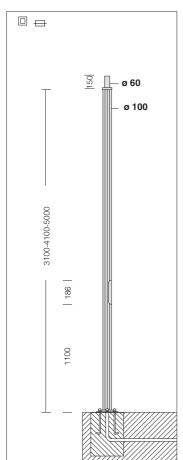


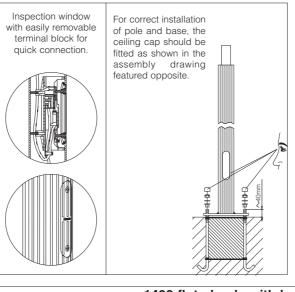


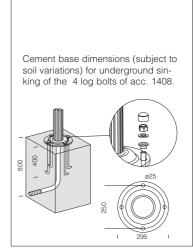


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| acc. 1409 fluted pole Ø 100 | | | | | | | | | | |
|-----------------------------|-----------|------|------|----------|----------|----------|----|-------|------|--|
| colour | code | | | ‡ | ‡ | ‡ | * | Ø | Ø | |
| oxy natural | 426334-00 | 3600 | 3100 | 500 | | | | | | |
| oxy natural | 426335-00 | 4700 | 4100 | 600 | | | | | | |
| oxy natural | 426336-00 | 5800 | 5000 | 800 | 1100 | 186 | 45 | Ø 100 | Ø 60 | |
| graphite | 426327-00 | 3600 | 3100 | 500 | 1100 | 100 | 45 | Ø 100 | 000 | |
| graphite | 426328-00 | 4700 | 4100 | 600 | | | | | | |
| graphite | 426329-00 | 5800 | 5000 | 800 | | | | | | |







| acc. 1408 fluted pole with base Ø 100 | | | | | | | | | |
|---|-----------|------|-----------|------------|----|-------|------|--------------|--|
| colour | code | | \$ | ‡ • | * | Ø | Ø | | |
| oxy natural | 426337-00 | 3100 | | | | | | | |
| oxy natural | 426338-00 | 4100 | | | | | | Ø 005 | |
| oxy natural | 426339-00 | 5000 | 1100 | 186 | 45 | Ø 100 | Ø 60 | Ø 295 | |
| graphite | 426324-00 | 3100 | 1100 | 100 | 45 | וטו ש | W 60 | hole Ø 25 | |
| graphite | 426325-00 | 4100 | | | | | | W 23 | |
| graphite | 426326-00 | 5000 | | | | | | | |
| Log bolts are to be bought separately acc. 299. | | | | | | | | | |











Fluted pole made of extruded aluminium, anodised by 15/20µ thick tin salt electrocoating; graphite or natural oxidised colour.

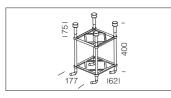
With die-cast inspection window (186x45mm), protective fuse holder, 16A fuse, 4-pole/3-way=10mm², derivation 2,5 sqmm, removable terminal block = 6 sqmm, 4 sqmm connection. With hole for insertion of power supply cable. Die-cast aluminium adapter, \emptyset 60 mm.

For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased. Standard insulation class II.

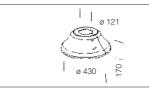
When using Insulation Class I fixtures, appropriate earthing connections should be included in the system.

NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1

grey



| acc. 299 log bolts |
|---|
| 991396-00 |
| Log bolts are to be always used with the pole 1508. |



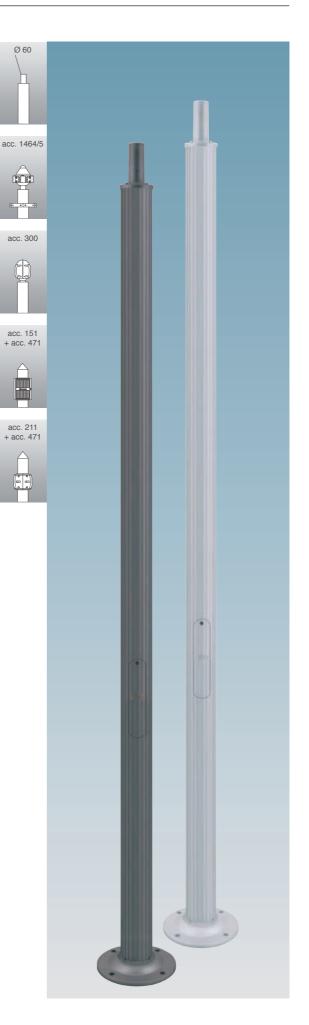
| graphite | 99 | 138 | 1-00 | | |
|-------------------------------------|----|-----|------|----|------|
| Made of die-cast pole cover acc. 15 | То | be | used | as | base |
| | | | | | |

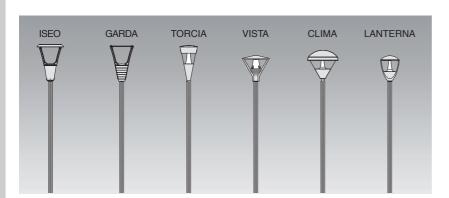
acc. 222 base pole cover

991378-00

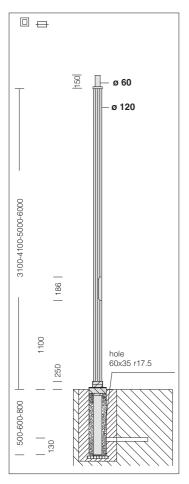


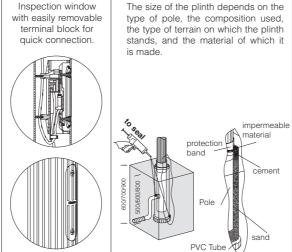
| acc. 471 acc. 367 cover for poles | | | | | | | |
|---|-----------|--|--|--|--|--|--|
| grey | 991461-00 | | | | | | |
| graphite | 991462-00 | | | | | | |
| Made of aluminium. To be used when a particular | | | | | | | |





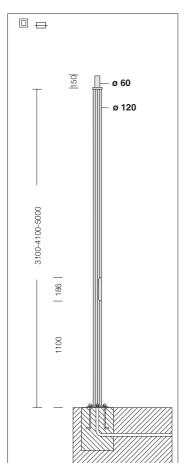


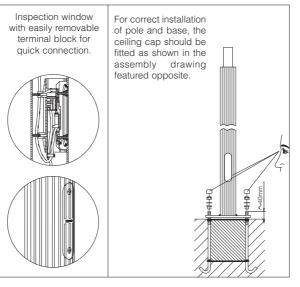


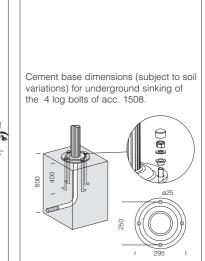




| acc. 1509 fluted pole Ø 120 | | | | | | | | | |
|-----------------------------|-----------|------|------|----------|----------|------------|----------|-------|------|
| colour | code | | | ‡ | ‡ | ‡ 0 | * | Ø | Ø |
| oxy natural | 426374-00 | 3600 | 3100 | 500 | | | | | |
| oxy natural | 426375-00 | 4700 | 4100 | 600 | | | | | |
| oxy natural | 426376-00 | 5800 | 5000 | 800 | | | | | |
| oxy natural | 426373-00 | 6800 | 6000 | 800 | 1100 | 186 | 45 | Ø 120 | Ø 60 |
| graphite | 426366-00 | 3600 | 3100 | 500 | 1100 | 100 | 45 | 0 120 | 000 |
| graphite | 426367-00 | 4700 | 4100 | 600 | | | | | |
| graphite | 426368-00 | 5800 | 5000 | 800 | | | | | |
| graphite | 426369-00 | 6800 | 6000 | 800 | | | | | |







| acc. 1508 fluted pole with base Ø 120 | | | | | | | | | |
|---------------------------------------|-----------|------|-----------|----------|----|-------|------|-------|--|
| colour | code | | \$ | ‡ | * | Ø | Ø | | |
| oxy natural | 426377-00 | 3100 | | | | Ø 120 | Ø 60 | | |
| oxy natural | 426378-00 | 4100 | | | | | | Ø 295 | |
| oxy natural | 426379-00 | 5000 | 1100 | 100 | 45 | | | | |
| graphite | 426362-00 | 3100 | 1100 | 186 | | | | hole | |
| graphite | 426363-00 | 4100 | | | | | | Ø 25 | |
| graphite | 426364-00 | 5000 | | | | | | | |









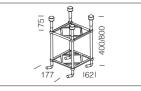


Tapered steel lighting pole. With hole for insertion of power supply cable, pole-head connection, $\emptyset 60$.

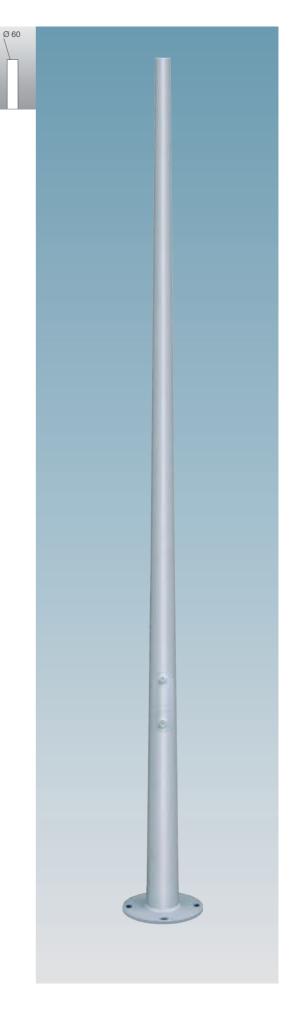
For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased. Size of inspection window 38x132 (h 3 000) - 45x186 (h 4000-5000-6000-7000-8000), supplied with protection fuse holder, 2 fuses, 16A, removable terminal block, 4 poles/3 holes = 10sqmm and shunt 2,5sqmm.

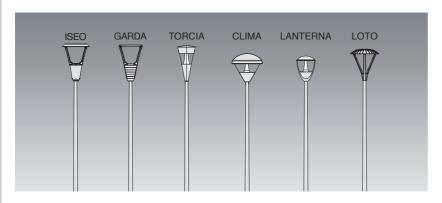
Standard insulation class II. When using Insulation Class I fixtures, appropriate grounding connections should be included in the system.

NOTE: The possibility to attach an assembly to the pole is subject to a wind pressure resistance assessment in the areas regulated by CNR-UNI standard 10032-67, according to load assumptions in UNI standard 40/6.



| acc. 299 log bolts | | | | | | |
|--|-----------|--|--|--|--|--|
| h=3000/4000/5000/6000 | 991396-00 | | | | | |
| h=7000/8000 | 991314-00 | | | | | |
| Log bolts are to be always used with the pole 1480 | | | | | | |





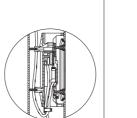


ON REQUEST

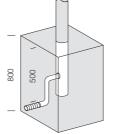
Possibility of supplyng poles with the following colour paint finishes:

pearl, blue, RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 9006, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

Inspection door with easily removable terminal board for quick connection.



Concrete base dimensions (subject to soil variations).







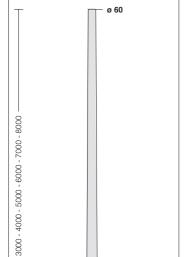








| | acc. 1481 - steel cone-shaped to be buried-with window | | | | | | | | | |
|----------|--|------|------|-----------|-----------|-----------|----|-------|------|--|
| colour | code | | | \$ | \$ | \$ | * | Ø | Ø | |
| grey | 425150-00 | 3500 | 3000 | 500 | | | | Ø 89 | | |
| grey | 425151-00 | 4500 | 4000 | 500 | | | | Ø 89 | 1 | |
| grey | 425152-00 | 5500 | 5000 | 500 | | | | Ø 102 | | |
| grey | 425153-00 | 6800 | 6000 | 800 | | | | Ø 127 | | |
| grey | 425158-00 | 7800 | 7000 | 800 | | | | Ø 127 | | |
| grey | 425167-00 | 8800 | 8000 | 800 | 1000 | 100 | 45 | Ø 139 | 0 00 | |
| graphite | 425154-00 | 3500 | 3000 | 500 | 1000 | 186 | 45 | Ø 89 | Ø 60 | |
| graphite | 425155-00 | 4500 | 4000 | 500 | | | | Ø 89 |] | |
| graphite | 425156-00 | 5500 | 5000 | 500 | | | | Ø 102 | 1 | |
| graphite | 425157-00 | 6800 | 6000 | 800 | | | | Ø 127 | 1 | |
| graphite | 425159-00 | 7800 | 7000 | 800 | | | | Ø 127 | 1 | |
| graphite | 425168-00 | 8800 | 8000 | 800 | | | | Ø 139 |] | |



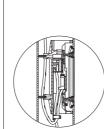
186

1000

ON REQUEST

Possibility of supplyng poles with the following colour paint finishes:

pearl, blue, RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 9006, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

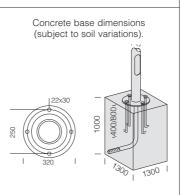


Log bolts are to be bought separately acc. 299.

Inspection door with

easily removable ter-

minal board for quick connection.













| | ļ. | | | | | | | | | |
|----------|---|------|-----------|-----------|-------|-------|---------|-------|--|--|
| | acc. 1480 - steel cone-shaped with base-with window | | | | | | | | | |
| colour | code | | \$ | \$ | * | Ø | Ø | | | |
| grey | 425050-00 | 3000 | | | | Ø 89 | | | | |
| grey | 425051-00 | 4000 | | | | Ø 89 | | | | |
| grey | 425052-00 | 5000 | | | | Ø 102 | | | | |
| grey | 425053-00 | 6000 | | | | Ø 127 | | | | |
| grey | 425058-00 | 7000 | | | | Ø 127 | | | | |
| grey | 425067-00 | 8000 | 4000 | 400 | 4.5 | Ø 139 | ~ | Ø 320 | | |
| graphite | 425054-00 | 3000 | 1000 | 186 | 45 | Ø 89 | Ø 60 | hole | | |
| graphite | 425055-00 | 4000 | | | Ø 89 | | Ø 22x30 | | | |
| graphite | 425056-00 | 5000 | | | Ø 102 | | | | | |
| graphite | 425057-00 | 6000 | | | Ø 127 | | | | | |
| graphite | 425059-00 | 7000 | | | | Ø 127 | | | | |
| graphite | 425068-00 | 8000 | | | | Ø 139 | | | | |

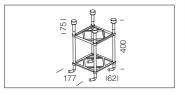
406 Urban

Tapered steel lighting pole. With hole for insertion of power supply cable, pole-head connection, $\emptyset 60$.

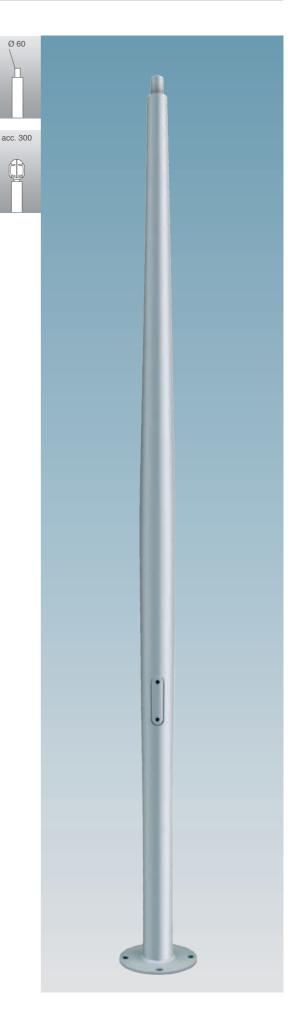
For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased. Size of inspection window 38x132 (h 3 000) - 45x186 (h 4000-5000-6000), supplied with protection fuse holder, 2 fuses, 16A, removable terminal block, 4 poles/3 holes = 6sqmm and shunt 4sqmm.

Standard insulation class II. When using Insulation Class I fixtures, appropriate grounding connections should be included in the system.

NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1



| acc. 299 log bolts | | | | | | | |
|---|-----------|--|--|--|--|--|--|
| | 991396-00 | | | | | | |
| Log bolts are to be always used with the pole 1477. | | | | | | | |







colour

grey

grey

colour

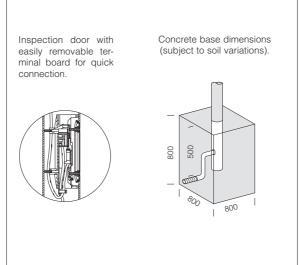
grey

grey

graphite

graphite

graphite



code 425370-00

425371-00

425373-00

425374-00

acc. 1478 - pole Urban to be buried

4100

4100

6000

6000

500

500

500

500

1100

186

45

4600

4600

6500

6500



| - |
|---|

| Y |
|---|
| |
| |
| |

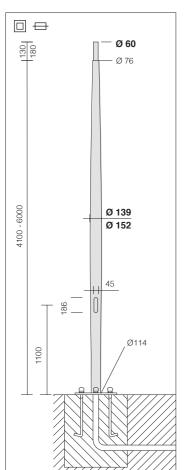
Ø

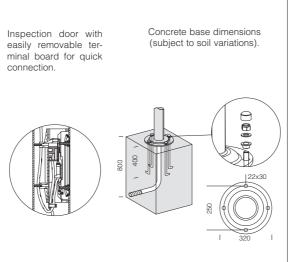
Ø 60

Ø

Ø 114

Ø 127







| | 250 | 320 | 1 | | | | | |
|----------|----------|-----------|------------|----------|-------|------|-------|--|
| acc. 147 | 77 - pol | e Urba | n with | base | | | | |
| ode | | \$ | ‡ (| * | Ø | Ø | | |
| 60-00 | 4100 | | | | Ø 114 | | | |
| 61-00 | 4100 | 1100 | 186 | 45 | Ø 114 | Ø 60 | ø320 | |
| 63-00 | 6000 | 1100 | 100 | 40 | Ø 127 | 200 | 22x30 | |
| 64.00 | 6000 | | | | Ø 127 | | | |

graphite 425364-00 6000 Log bolts are to be bought separately acc. 299.

code

425360-00

425361-00

425363-00





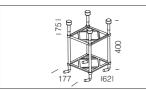
POLES

Steel pole Ø 102. With die-cast aluminium inspection window (186x45mm), complete with 2 protection fuse holders, 2 fuses, 16A, removable 4-pole terminal block. With hole for insertion of power supply cable. For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased.

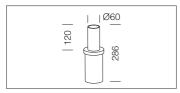
NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1



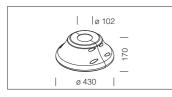
Ø 102



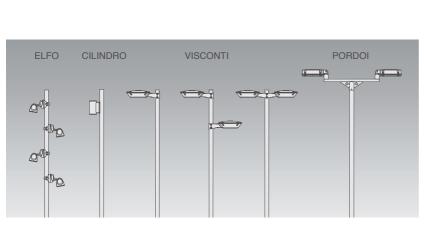
| acc. 299 log bolts | | | | | | |
|---|-----------|--|--|--|--|--|
| h=5000 | 991396-00 | | | | | |
| h=7000 | 991314-00 | | | | | |
| Log bolts are to be always used with the pole 1485. | | | | | | |

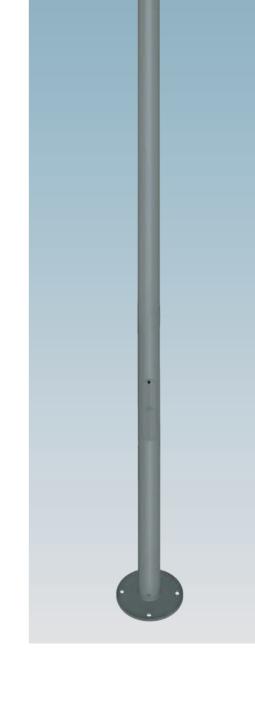


| acc. 528 mast-top adapter | | | | | | |
|---------------------------|--|--|--|--|--|--|
| graphite | 991463-00 | | | | | |
| | the installation of fixtures on top of poles | | | | | |

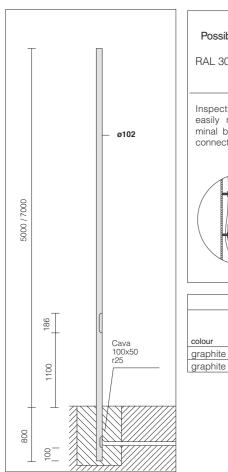


| acc. 222 base pole cover | | | | | |
|--|-----------|--|--|--|--|
| graphite | 991315-00 | | | | |
| To be used as base pole cover acc. 1485/1487 | | | | | |







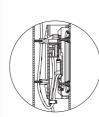


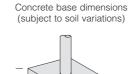
ON REQUEST

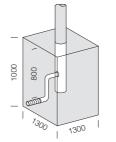
Possibility of supplyng poles with the following colour paint finishes:

RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 9006, 7037, 6004, 8019, 6011, 7022, 1015, 9010.









7800

7000

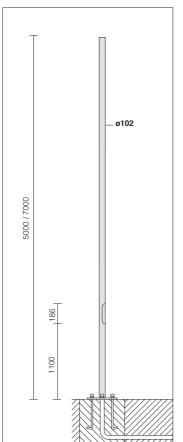


| 0001 | 1300 | | | | | | | | |
|----------|--------|---------|----------|----------|------------|---|---|---|--|
| acc. 148 | 87 ste | el pole | to be | burie | d | | | | |
| ado. | | 1 | ‡ | ‡ | ‡ 0 | * | ø | Ø | |

800

800

1100



ON REQUEST

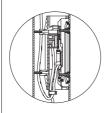
425064-00

425065-00

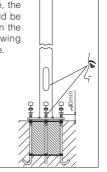
Possibility of supplyng poles with the following colour paint finishes:

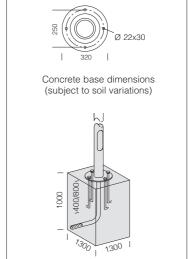
RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 9006, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

Inspection door with easily removable terminal board for quick connection.



For correct installation of pole and base, the ceiling cap should be fitted as shown in the assembly drawing featured opposite.





| acc. 1485 steel pole with base | | | | | | | | |
|--------------------------------|---|------|-----------|----------|----|-------|-------|--------------|
| colour | code | | \$ | ‡ | * | Ø | Ø | |
| graphite | 425074-00 | 5000 | 1100 | 186 | 45 | Ø 102 | Ø 102 | Ø 320 |
| graphite | 425075-00 | 7000 | 1100 | 186 | 45 | 102 ש | 102 ש | hole Ø 22x30 |
| Log bolts are to b | Log bolts are to be bought separately acc. 299. | | | | | | | |









Ø 102

Ø 102

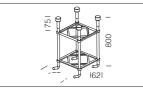


Steel pole Ø 102-159. With die-cast aluminium inspection window (186x45mm), complete with 2 protection fuse holders, 2 fuses, 16A, removable 4-pole terminal block. With hole for insertion of power supply cable. For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased.

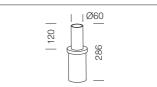
NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1



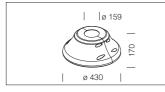
Ø 102



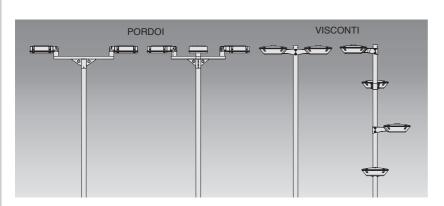
acc. 299 log bolts 991314-00 Log bolts are to be always used with the pole 1417.



| acc. 528 mast-top connection | | | | | | |
|------------------------------|--|--|--|--|--|--|
| graphite | 991463-00 | | | | | |
| In galvanised ste | In galvanised steel. To be used as a mast-top connection | | | | | |

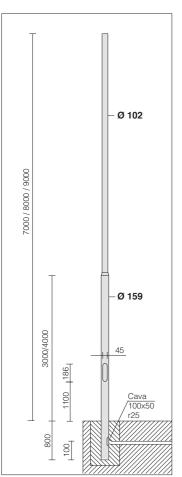


| acc. 223 base pole cover | | | | | |
|--------------------------|---|--|--|--|--|
| grey | 991333-00 | | | | |
| graphite | 991320-00 | | | | |
| To be used as | To be used as base pole cover acc. 1417/1418. | | | | |



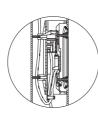


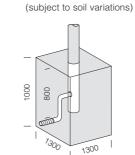






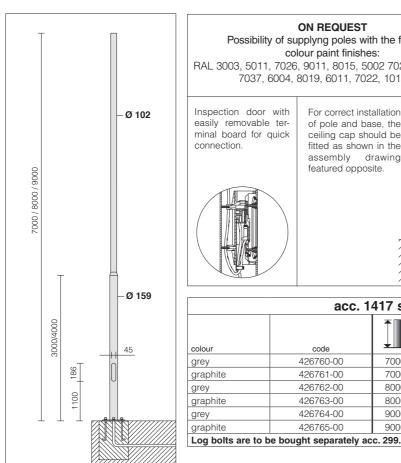








| | acc. 14 | 18 stee | el pole | to be | burie | ed | | | |
|----------|-----------|---------|---------|----------|-----------|------------|-----|-------|-------|
| colour | code | | | ‡ | \$ | ‡ 0 | * | Ø | Ø |
| grey | 426770-00 | 7800 | 7000 | 800 | 1100 | | | | |
| graphite | 426771-00 | 7800 | 7000 | 800 | 1100 |] | | | |
| grey | 426772-00 | 8800 | 8000 | 800 | 1100 | 100 | 4.5 | Q 450 | Ø 100 |
| graphite | 426773-00 | 8800 | 8000 | 800 | 1100 | 186 | 45 | Ø 159 | Ø 102 |
| grey | 426774-00 | 9800 | 9000 | 800 | 1100 |] | | | |
| graphite | 426775-00 | 9800 | 9000 | 800 | 1100 | 1 | | | |

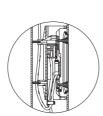


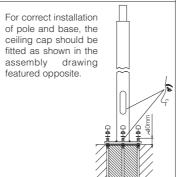
ON REQUEST

Possibility of supplyng poles with the following colour paint finishes:

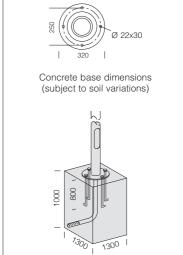
RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 9006, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

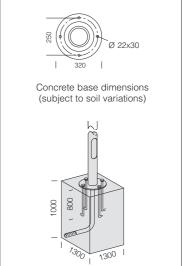
Inspection door with easily removable terminal board for quick connection.











| \\\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | | | | | | |
|--|------|----------|-----------|-----|-------|-------|--------------|
| acc. 1417 steel pole with base | | | | | | | |
| code | | ‡ | \$ | * | ø | Ø | |
| 426760-00 | 7000 | 1100 | | | | | |
| 426761-00 | 7000 | 1100 | | | | | |
| 426762-00 | 8000 | 1100 | 100 | 4.5 | Ø 150 | Ø 100 | Ø 320 |
| 426763-00 | 8000 | 1100 | 186 | 45 | Ø 159 | Ø 102 | hole Ø 22x30 |
| 426764-00 | 9000 | 1100 | | | | | |
| 426765-00 | 9000 | 1100 | | | | | |



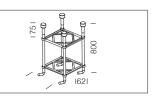


Hot-dip galvanised steel poles.

With die-cast inspection window (186x45mm), 2 protection fuse holders, 2 fuses, 16A, 4-pole/3-way removable terminal block = 10 sqmm, 2,5 sqmm connection. With hole for insertion of power supply cable. For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased. Standard insulation class II.

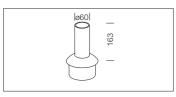
When using Insulation Class I fixtures, appropriate grounding connections should be included in the system.

NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1



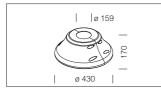
acc. 299 log bolts 991396-00

Log bolts are to be always bought with the pole 1415.

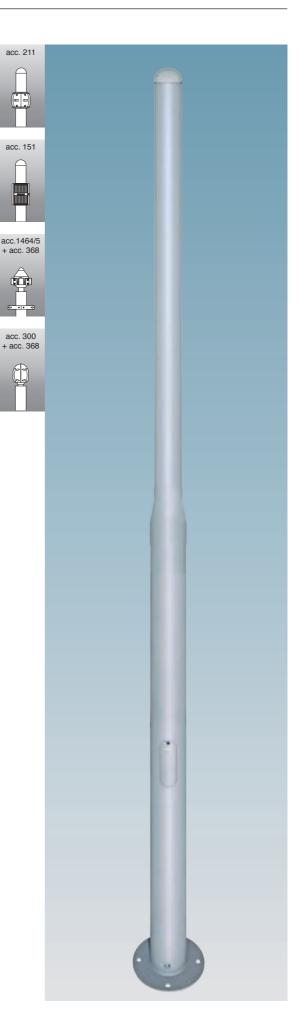


| op-pole connec. |
|-----------------|
| 127002-00 |
| 127003-00 |
| |

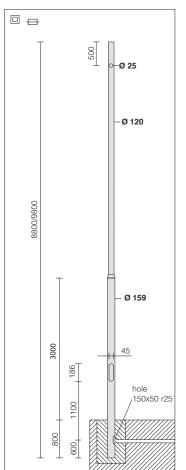
In galvanized steel. To be used as a mast-top-pole connection on poles acc. 1415/1416.



| | acc. 223 base pole cover |
|------------|------------------------------------|
| grey | 991333-00 |
| graphite | 991320-00 |
| To be used | as base pole cover acc. 1415/1416. |



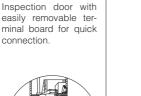


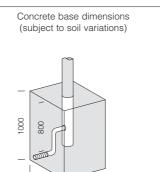


ON REQUEST

Possibility of supplying poles with the following colour paint finishes:

RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 9006, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

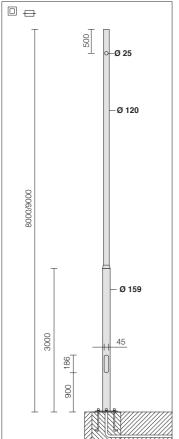




1300



| acc. 1416 steel pole to be buried | | | | | | | | | | |
|---|-----------|------|------|-----|------|-----|-----|-------|-------|--|
| colour code \$\frac{1}{2} \frac{1}{2} \frac | | | | | | | | | | |
| grey | 426750-00 | 8800 | 8000 | 800 | | | | | | |
| graphite | 426751-00 | 8800 | 8000 | 800 | 1100 | 100 | 4.5 | 0.450 | Ø 101 | |
| grey | 426752-00 | 9800 | 9000 | 800 | 1100 | 186 | 45 | Ø 159 | Ø 121 | |
| graphite | 426753-00 | 9800 | 9000 | 800 | | | | | | |

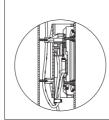


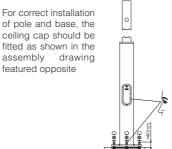
ON REQUEST

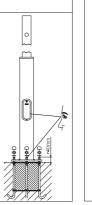
Possibility of supplying poles with the following colour paint finishes:

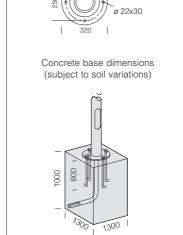
RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 9006, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

Inspection door with easily removable terminal board for quick connection.









| g 22x30 |
|---|
| Concrete base dimensions (subject to soil variations) |
| 0001 1300 |

| acc. 1415 steel pole with base | | | | | | | | | | |
|--------------------------------|-----------|------|----------|----------|----|-------|-------|--------------------------|--|--|
| colour | code | | ‡ | ‡ | * | ø | Ø | | | |
| grey | 426740-00 | 8000 | | | | | | ~ | | |
| graphite | 426741-00 | 8000 | 1100 | 186 | 45 | Ø 150 | Ø 121 | Ø 320 hole Ø 22x30 | | |
| grey | 426742-00 | 9000 | 1100 | 186 | 45 | Ø 159 | | | | |
| graphite | 426743-00 | 9000 | | | | | | W 22X30 | | |











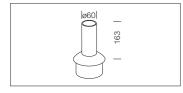






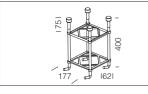
acc 211

Hot-dip galvanised steel poles. With die-cast inspection window (186x45mm), 2 protection fuse holders, 2 fuses, 16A, 4-pole/3-way=10mm², derivation 2,5 sqmm, removable terminal block = 6 sqmm, 4 sqmm connection. With hole for insertion of power supply cable; with holes at different heights according to use. For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have to be purchased. Standard insulation class II. When using Insulation Class I fixtures, appropriate grounding connections should be included in the system.



| 368 mast-top-pole connec. | | | | | | | |
|-------------------------------------|-----------|--|--|--|--|--|--|
| grey 427002-00 | | | | | | | |
| graphite | 427003-00 | | | | | | |
| In advantage steel. To be used as a | | | | | | | |

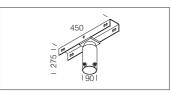
In galvanized steel. To be used as a mast-top-pole connection on poles acc. 1491/1493 ø120.



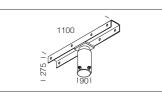
| acc. 299 log bolts | | | | | | | | | |
|-----------------------------------|-----------------------|--|--|--|--|--|--|--|--|
| h=6000 | 991396-00 | | | | | | | | |
| h=7000/8000 | 991314-00 | | | | | | | | |
| Log bolts are t the pole 1493. | o be always used with | | | | | | | | |



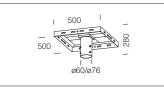
| acc. 222 base pole cover | | | | | | | |
|---|--|--|--|--|--|--|--|
| grey 991378-00 | | | | | | | |
| graphite 991381-00 | | | | | | | |
| In die-cast aluminium. To be used as a base pole cover acc. 1493. | | | | | | | |



| acc | . 59 pole bracket |
|----------------------------------|---|
| galvanized | 997900-00 |
| Bracket for end-to-end mm poles. | pole mounting 1 or 2 floodlights. For Ø 60/76 |



| acc. 60 pole bracket | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|
| galvanized | 997901-00 | | | | | | | | |
| | pole mounting 2 or 4 exterior floodlights. For Ø oles. | | | | | | | | |

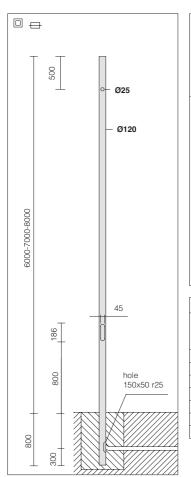


| acc. 1 | 64 pole attachment |
|------------------------------|---|
| galvanized | 998097 |
| Made in galito apply on ø76. | vanized steel. To be used a pole until 4 fixture ø60/ |

acc.1464/5

NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1





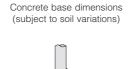
ON REQUEST

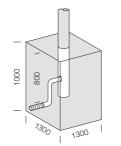
Possibility of supplying poles with the following colour paint finishes:

RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

Inspection door with easily removable terminal board for quick connection.





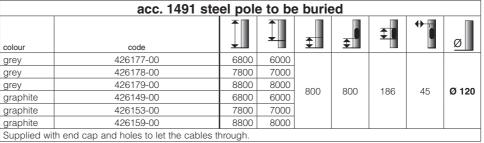


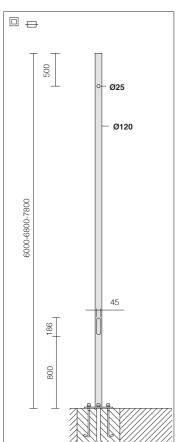












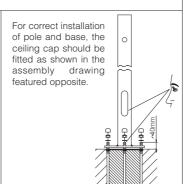
ON REQUEST

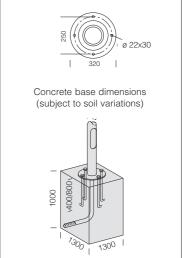
Possibility of supplying poles with the following colour paint finishes:

RAL 3003, 5011, 7026, 9011, 8015, 5002 7024, 7016, 7037, 6004, 8019, 6011, 7022, 1015, 9010.

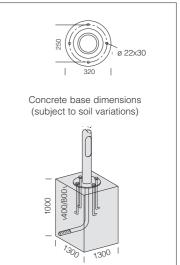
Inspection door with easily removable terminal board for quick connection.







| acc. 1493 steel pole with base | | | | | | | | | | |
|--------------------------------|---|-------------------|----------|-------------|----------|------------|-----------------|--|--|--|
| colour | code | | ‡ | \$ 0 | * | Ø | | | | |
| grey | 426197-00 | 6000 | | | | | | | | |
| grey | 426198-00 | 6800 | | | | | Ø 000 | | | |
| grey | 426199-00 | 7800 | 000 | 100 | 4.5 | Ø 120 | Ø 320 | | | |
| graphite | 426187-00 | 6000 | 800 | 186 | 45 | Ø 120 | hole Ø 22x30 | | | |
| graphite | 426188-00 | 6800 | | | | | 22X3U | | | |
| graphite | 426189-00 | 7800 | | | | | | | | |
| Supplied with er | nd cap and holes to let the cables thro | ugh. Log b | olts are | to be bo | ught sep | parately a | cc. 299. | | | |



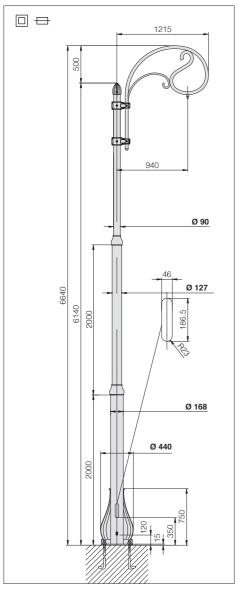


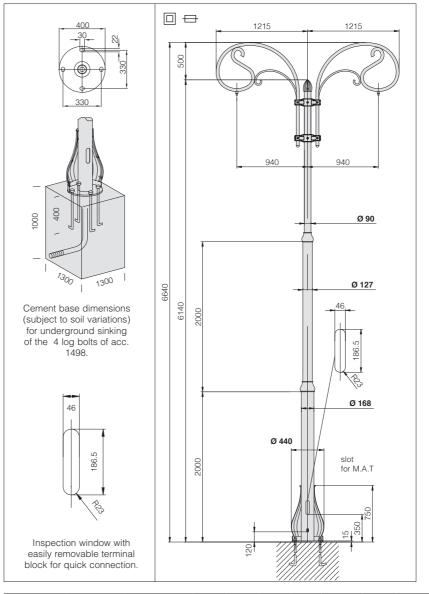






POLES



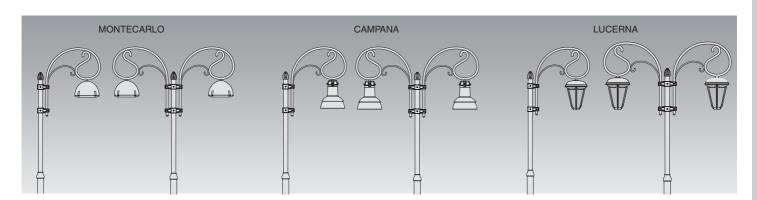


426448-00

Log bolts are always to be used with the pole 1498.



| | acc. 1498 Liberty pole | | | | | | | | | |
|---------------|---|-----------|------|----------|----------|----------|-------|------|------------|--|
| version | colour | code | | ‡ | ‡ | * | Ø | Ø | | |
| with 1 arm | graphite | 425200-00 | 6140 | 350 | 186.5 | 46 | Ø 440 | Ø 90 | Ø 400 | |
| with 2 arms | graphite | 425202-00 | 0140 | 330 | 100.5 | 40 | Ø 440 | 0 90 | hole 30x22 | |
| Log bolts are | Log bolts are to be bought separately acc. 297. | | | | | | | | | |



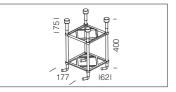


Tapered steel lighting pole. With hole for insertion of power supply cable, pole-head connection, ø60.
For the version with base, 4 log bolts to be sunk into the ground, bolts and lids have

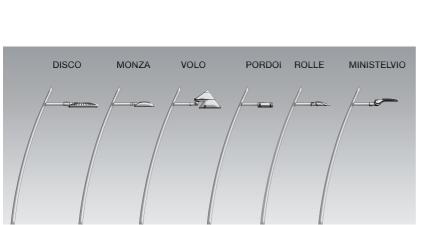
to be purchased.

When using insulation Class I fixtures, appropriate grounding connections should be included in the system.

NOTE. Before selecting the appropriate pole, make all necessary wind pressure resistance tests, pursuant to the Standards or Legislative Decrees in force in the countries where the pole will be mounted and based on the assumed loads specified in Standard EN 40-3-1



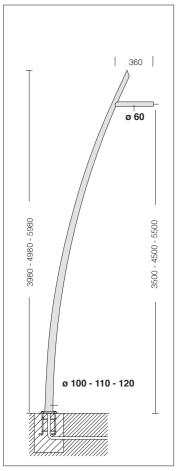
| acc. 299 log bolts | |
|--------------------|---|
| | 991396-00 |
| Log bolts are | e to be always used with the pole 1490. |

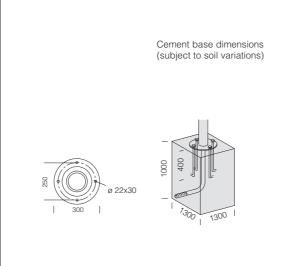


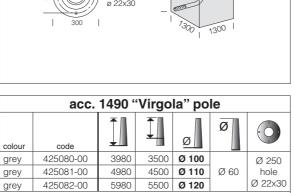












Painted pole in galvanized steel. Complete with cap and cable

insertion hole.

Log bolts are to be bought separately acc. 299.

On request pole to be buried



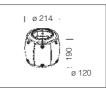




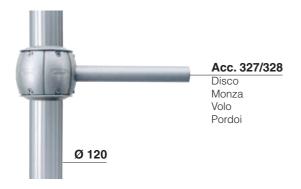


For poles: Fluted Ø120, Steel Ø120, Steel Ø120-152, Steel Ø120-193



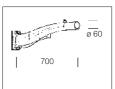


| acc. 211 Sector connector | |
|---|-----------|
| grey | 426952-00 |
| graphite | 426953-00 |
| In aluminium. To be used for pole mounting ø 120. | |









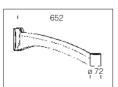
| acc. 210 Sector arm | |
|---------------------|-----------|
| grey | 426950-00 |
| graphite | 426951-00 |
| M (:: | |

Made of aluminium. To be used with acc. 211 for



| acc. 327 arm | |
|--|-----------|
| grey | 426942-00 |
| graphite | 426943-00 |
| Made of dispose aluminium. To be used with see | |

Made of die-cast aluminium. To be used with acc 211-300 for installation of Monza, Metropolis, Volo.



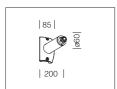
| acc. 301 arm Oliva | |
|--------------------|-----------|
| grey | 426972-00 |
| graphite | 426973-00 |

Made of aluminium. To be used with acc. 300-303-304 for pole mounting or acc. 302/309 for wall mounting.

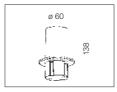
| 85 | |
|-----|----------|
| |) ~ |
| 445 | ø 60 |

| acc. 328 arm | |
|----------------|-------------------------------------|
| grey | 426944-00 |
| graphite | 426945-00 |
| Made of die-ca | ast aluminium. To be used with acc. |

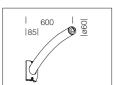
211-300 for installation of Monza, Metropolis, Volo.



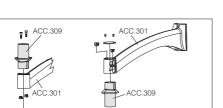
| acc. 381 short arm | |
|---|-----------|
| grey | 326503-00 |
| To be used with access. 211-300 for Iride installation. | |



| acc. 303 connection ø 60 | |
|--|-----------|
| grey | 426976-00 |
| graphite | 426977-00 |
| Made of aluminium. To be always used with acc. 301 for pole arm installation of Torcia, Vista, Polar, Clima. | |



| acc. 382 curved arm | |
|---|-----------|
| grey | 326506-00 |
| To be used with access. 211-300 for Iride installation. | |





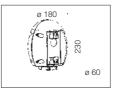
| acc. | 304 threaded connection |
|---------|--|
| galvan. | 426978-00 |
| | nection to be used with acc. 301 for tallation of Campana Montecarlo |

| (1) | acc | C. 309 attachment ø 60 |
|-----------------|----------|--|
| | grey | 426993-00 |
| 8 | graphite | 426994-00 |
| l | | nium.To be always used with acc. 301 is to be installed on a pole arm. |



For poles: Fluted Ø120, Cone-Shaped, Steel Ø120, Steel Ø120-152, Steel Ø120-193

| acc. 300 Oliva connector | |
|--|-----------|
| grey | 426970-00 |
| graphite | 426971-00 |
| Made of aluminium. To be installed on ø60. | |











| | acc. 212 ring |
|-----------------------------------|---|
| grey | 426954-00 |
| graphite | 426955-00 |
| In aluminium. T mounting ø 120 | o be used with acc. 214/215 for pole). |

| acc. | 213 long banner connec. |
|--|-------------------------|
| grey | 426956-00 |
| graphite | 426957-00 |
| In aluminium. To be used for note mounting a 120 | |

| acc. 215 finishing tie rod | | |
|------------------------------------|-----------|--|
| | 426960-00 | |
| In steel. To be used with see, 212 | | |

of a flag.

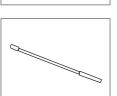
| | 014 | | |
|---|-----|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 1 | | | |

| acc. | 214 small banner connec. |
|-------------------------|-----------------------------------|
| grey | 426958-00 |
| graphite | 426959-00 |
| In aluminium. mounting. | To be used with acc. 212 for pole |

| | acc. 305 end cap |
|---------------|-------------------------------------|
| grey | 426979-00 |
| graphite | 426980-00 |
| To be used wh | nen on the acc. 210 no fixtures are |

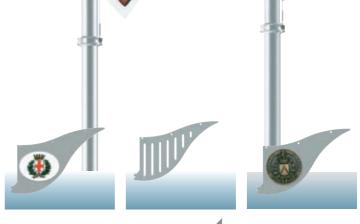
installed. For an aesthetic finish.





| 1 320 1 | [50 ⁹ 7 | 57- |
|---------|--------------------|-----|
| | 390 | - 1 |
| | | |

| ı ø 65 | | |
|--------|----|--|
| / / N | | |
| (S) | 92 | |
| | - | |
| | | |

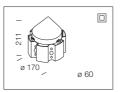


ROMA

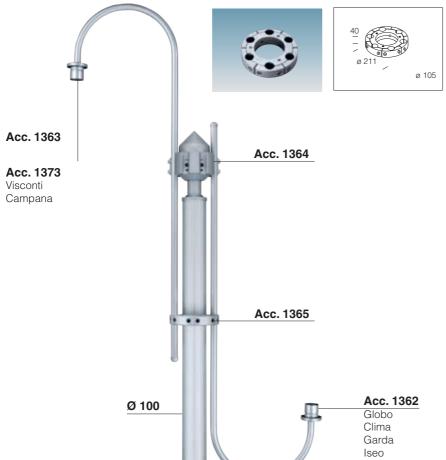


COMUNE MILANO

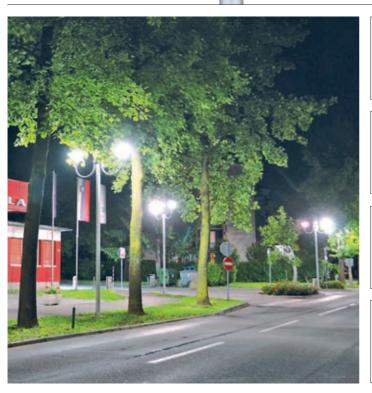




| acc. 1364 Corona | |
|---|-----------|
| grey | 426988-00 |
| graphite | 426926-00 |
| Made of die-cast aluminium. For up to 6 arms acc. 1362 or 1363. Equipped with terminal block. | |



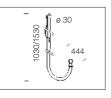
| acc. 1365 Corona flange | |
|--|-----------|
| grey | 426989-00 |
| graphite | 426999-00 |
| Made of die-cast aluminium. Complete with 6 armstop devices to reinforce the assembly. | |



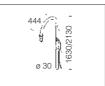


Como

| acc. 1361 wall mounting | |
|---|--------------|
| grey | 426987-00-00 |
| graphite | 426961-00 |
| Die-cast aluminium spacer and base. To install arms acc 1362 or 1363. | |



| acc. 1362 upward arm Ø30 | |
|--------------------------|-----------|
| 1000 grey | 426906-00 |
| 1500 grey | 426907-00 |
| 1000 graphite | 426946-00 |
| 1500 graphite | 426947-00 |
| Ø 60 steel. | |



| acc. 1363 downward arm Ø30 | |
|----------------------------|-----------|
| 1600 grey | 426916-00 |
| 2100 grey | 426917-00 |
| 1600 graphite | 427008-00 |
| 2100 graphite | 427009-00 |
| Ø 60 steel. | |

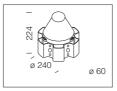


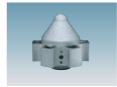
| 1373 curved arm | |
|---|-----------|
| grey | 426920-00 |
| graphite | 427014-00 |
| In tropicalized steel. Apply to acc. 1364/65 and pole acc. 1408/1409. | |



| acc. 1464 Corona | |
|--|-----------|
| grey | 426990-00 |
| graphite | 427000-00 |
| M 1 (); 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |

Made of die-cast aluminium. For up to 6 arms acc. 1462 or 1463. Equipped with terminal block.

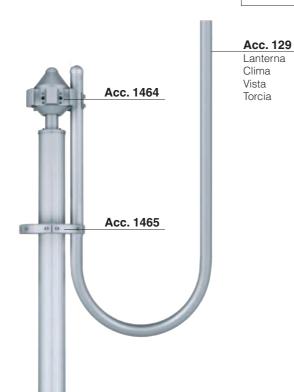




| acc. 1465 Corona flange | |
|--|-----------|
| grey | 426991-00 |
| graphite | 427001-00 |
| Made of die-cast aluminium. Complete with 6 arm- | |

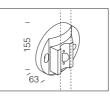




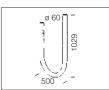


| ø 125 | Acc. 1464 | |
|---|--------------|----------------------------------|
| | ACC. 1404 | Acc. 1463 |
| Acc. 1462 Clima Garda Iseo Como | Acc. 1465 | Acc. 1473 Visconti Campana |
| | | |
| | <u>Ø 120</u> | |

| acc. 1461 wall attachment | |
|-------------------------------------|-----------|
| grey | 426992-00 |
| graphite | 427012-00 |
| Die-cast aluminium spacer and base. | |



| acc. 129 curved arm | |
|------------------------------|-----------|
| grey | 991329-00 |
| graphite | 991321-00 |
| Apply to Corona Ø120 series. | |



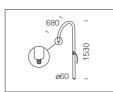
| acc. 1462 upward arm Ø60 | |
|--------------------------|-----------|
| 1430 grey | 426908-00 |
| 1930 grey | 426909-00 |
| 1430 graphite | 426966-00 |
| 1930 graphite | 426967-00 |
| Ø 60 steel. | |

|--|

| acc. 1463 downward arm Ø60 | | |
|----------------------------|-----------|--|
| 1530 grey | 426918-00 | |
| 2030 grey | 426919-00 | |
| 1530 graphite | 427016-00 | |
| 2030 graphite | 427017-00 | |
| Ø 60 steel | | |

| - "= | <i>y</i> |
|-------------|-----------|
| | |
| 680 Ø 60 | 1530/2030 |

| acc. 1473 curved arm | | |
|---|-----------|--|
| grey | 426921-00 | |
| graphite | 427013-00 | |
| In tropicalized steel. Apply to acc. 1464/1465. | | |

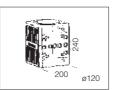






For Ø120 poles





| acc. 151 Lione cube | | |
|--|-----------|--|
| grey | 991365-00 | |
| graphite | 991310-00 | |
| Made of die-cast aluminium. To be used when installing the products on poles Ø120. | | |

Acc. 151

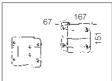
Acc. 456
Volo

Acc. 129
Torcia
Vista
Polar
Clima
Lanterna
Garda
Iseo
Como

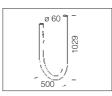
Acc. 153

Acc. 151

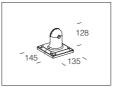




| acc. 153 Arm connection | |
|---|-----------|
| grey | 991359-00 |
| Made of die-cast aluminium. To be used with acc. 151 when installing curved arms (acc. 129) on poles. | |



| acc. 129 bent arm | |
|---|-----------|
| grey | 991329-00 |
| graphite | 991321-00 |
| Tropicalised steel. Apply to accessories 151-153. | |



| acc. 456 small wall connection | | |
|---|-----------|--|
| graphite | 991402-00 | |
| grey | 991403-00 | |
| To be used to install art. Volo, on 'Lione' cube. With anti-slip rack. Adjustable connection. | | |











UNI EN 40 STANDARD

The UNI standard contains specific prescriptions concerning lighting poles, defined as supports designed to hold one or more lighting fixtures and composed of one or more parts: a stem, an extension, and an arm if required. The regulation applies to pole of a nominal height of 20 m or less, and poles with shelf of a nominal height of 18 m or less. The regulation applies both to straight poles for lighting fixtures with top mast mounting, and poles for fixtures with side mast mounting. The standard specifies the materials to be used in manufacturing poles for public illumination, provides recommendations on corrosion protection treatments, and determines the characteristics of electric gear compartments, cable raceways and grounding terminals of straight poles. Part 3-1 specifies the loads to be considered in designing lighting poles, providing bases for the calculation carried out when designing the illuminant's support structure, represented by the pole. The same part indicates the procedures for the correct measurement of the load due to the wind, as well as all the load variables to be considered. The standard enables a calculation of the action of the wind throughout the entire national territory, divided into nine geographic areas depending on wind intensity. The regulation refers directly to UNI standard ENV 1991-2-4; based on the latter, it provides the speed of the wind to be considered for the relevant installation area. The regulation indicates that the reference speed determines the calculation pressure, which in turn has to be adjusted applying the appropriate coefficients depending on the components' shapes, installation area characteristics, pole physical and geometric characteristics, etc.

TESTING OF THE COMPOSITIONS IN THE SHOWN CATALOGUE - All metal pole assemblies in the "urban decoration" and "residential" lines presented in the catalogue can be tested by Disano in accordance with UNI standard EN 40. Testing for conformity with UNI STANDARD EN 40 can be obtained upon request from our headquarters.

Testing of lighting systems is performed to determine:

- pole's resistance to bending due to wind thrust.
- pole's resistance to twist due to wind thrust on asymmetric assemblies.
- maximum vertical and horizontal warp due to wind thrust and to the assembly's own loads.

For those particular assemblies which are not tested in accordance with UNI standards EN 40/6 no area-related data are provided; however, indications are given on maximum estimated tolerable wind speed (in red) and anchor base dimensioning calculated according to the latter measure.

TEST - The action of the wind causes bending stress on the pole due to the momentum generated by the horizontal thrust force acting upon the elements that make up the lighting system with arms equal to the height of the respective centres of gravity. Tests have been carried out on the lighting systems to ascertain:

- the resistance of the pole to the compressive stress caused by the weights of all the elements making up the composition;
- the resistance of the pole to the bending stress generated by the thrust stress of the wind;
- the resistance of the pole to the torsion stress generated by the thrust stress of the wind;
- the resistance of the pole to the shear stress at the base due to the con trast exercised by the inertia of the concrete foundation plinth;
- the size of foundation plinth required to ensure stability of the combined compressive and bending stress transmitted to the pole.

The bending test was carried out using the yield point as the maximum stress value. Resistance was ascertained as in UNI EN standard 40/8, at the critical points in the structure that is at the base of the pole and at the lower edge of the inspection window where present. All calculations were carried out according to the definitions described below:

The load system considered included the weight of each lighting fixture and the thrusts caused by the action of the wind.

The weights of each of the main elements making up the compositions studied were taken into consideration, including:

- weight of the pole and of all the accessories:
- weight of the overall lighting fixture or of the reflectors and related bases.

The vertical forces due to these masses were considered as it applied in the respective fields of gravity.

The dynamic pressure for the calculations due to the wind were obtained by multiplying the basic dynamic pressure, set down by the regulations as 500N/sq mm, by various factors which take account of the variation in the height above ground level, of the nominal height of the pole, of its dynamic behaviour when there are gusts of wind, of the location where it is installed. The basic dynamic pressure refers to a height of 10 m above ground level. Variation in the height above ground level has been assumed to be half the nominal height of the pole, considering the fact that, in general, poles for urban decor are installed at ground level. If they are installed at a different level, specific tests must be carried out. The dynamic increase coefficient, defined by UNI EN standard 40/6 takes account of the increase in loads when there are oscillations caused by gusts of wind. Coefficients which take into account the shape of the lighting fixture and of the pole have been calculated for each type and height.

SIZING OF THE FOUNDATION PLINTH

In calculating the correct size for the foundation plinth, reference is made to low quality concrete with low resistance since this permits a wide margin of safely. The depth used in the calculations, at which the pole should be buried in the concrete, is given in the catalogue and varies according to the type of pole used in the composition; the depth of the plinth is increased by 10 cm over that measurement to avoid punching and sinking of the pole within the concrete. The base chosen is square shaped to ensure the same response to the action of the wind from whatever direction it blows. In the case of fluted poles with base (acc. 1408 - 1508) which do not need to be buried in a foundation plinth, but are connected to it by log bolts, it is assumed that the log bolts to be buried in the concrete of which the foundation plinth is made are suitably sized to withstand the stress conditions generated by the load assumptions. The stability of the foundation plinth also depends upon the type of ground on which it is laid; the tests were carried out with a ground resistance value of 1.5 kg/sq cm, corresponding to medium to low resistance ground. With these conditions, a check of the force required to overturn the lighting fixture-plinth system was carried out, considering the plinth as simply standing on the ground. The system is subject to the moment generated by the horizontal thrust stresses acting on the elements that make up the lighting system with arms equal to the distance of the respective centres of gravity from the deepest point of the plinth. Stability against overturn is ensured by the weight of the lighting fixture, by the correct size of the concrete plinth and by the resistance offered by the ground. These calculations have permitted the identification of the minimum size of plinth required to prevent overturning, sliding or sinking.

