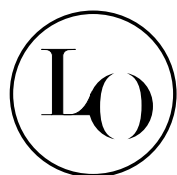


# CLOCHE

design ALESSANDRO STABILE



LORELUX

## LORELUX - CLOCHE DATASHEET



## LORELUX - CLOCHE DATASHEET

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Concept           | Distinctly gentle design for a sustainable and resistant urban lighting with an easy maintenance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description       | Cloche is a LED urban luminaire suitable for illuminating parks, squares and city roads. Its lighting body is made from innovative polymeric materials that respect urban ecology and resist corrosion, extreme temperatures (from - 60°C to + 80°C) and UV discolouration thanks to the innovative Rotoskin® patented system, the self-cleaning covering providing a protective shield on all exposed surfaces of the luminaire. Cloche includes not only wall-mounting, but also pole side and post top mounting and offers a wide range of finishes and photometries, as well as remote-control devices located inside the luminaire that do not alter its design while guaranteeing further savings and road safety. In addition, the optical compartment featuring LED modules with the Zhaga Book 15 standard can be removed using captive screws. |
| Materials         | <p>Polyethylene containing PSV-certified plastic (Plastic Second Life) as specified below:</p> <p>Black: 90%<br/>Coloured: 50%</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product's preview |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Pluses

- Lighting body's useful service life of over 50 years
- Immunity to corrosion by atmospheric agents and pollutants
- Resistance to impacts and vandalism
- No flaking or significant discolouration over time
- Interchangeable LED engine with captive screws for upgrades and/or repairs, with a separate IP66 optical compartment, fitted with a dedicated anti-condensation valve
- Wide range of colours in 100% recyclable polyethylene
- Wide range of photometries in order to meet all lighting needs
- Devices for Smart cities that can be integrated without any external antenna

## Product's certifications



## Material's certifications



## Application areas



## Mountings

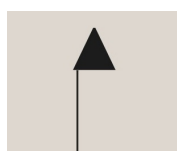
Pole side  
Code **KM-CLOCHE-L**



Wall-mounting  
Code **KM-CLOCHE-L**



Post top  
Code **KM-CLOCHE-P**

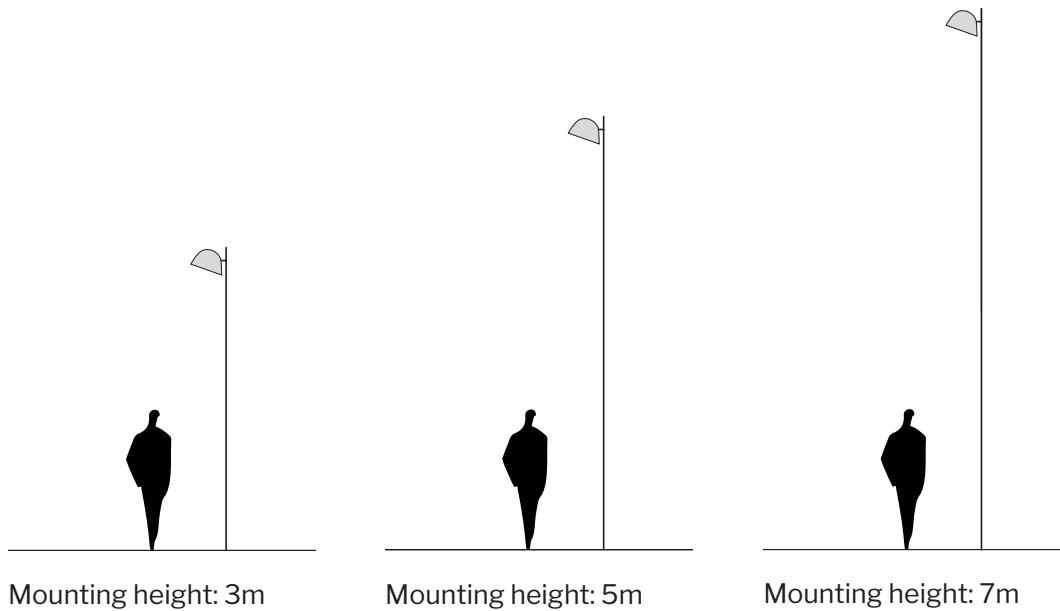


## LORELUX - CLOCHE DATASHEET



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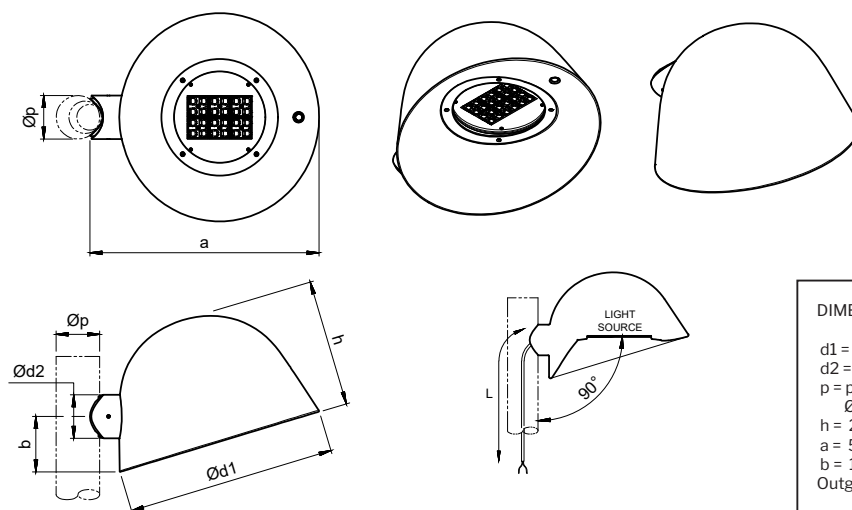
Installation examples



# LORELUX - CLOCHE DATASHEET

## Technical drawing standard model CLOCHE L

## Pole side mounting: CLOCHE luminaire + KM-CLOCHE-L mounting kit



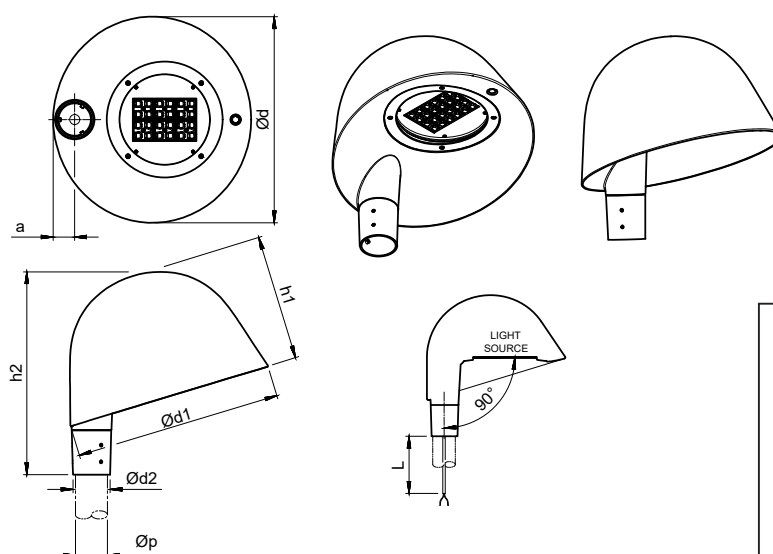
### DIMENSION TABLE

d1 = Ø490mm  
d2 = Ø102 mm  
p = pole diameters allowed  
Ø102 - Ø89 - Ø76 - Ø60  
h = 298 mm  
a = 538 mm  
b = 130 mm  
Outgoing cable length L = 1.000 mm

Weight = 9,0 kg  
Exposure to the wind:  
Scx = 0,178 m<sup>2</sup> base  
= 0,112 m<sup>2</sup> lateral

## Technical drawing standard model CLOCHE P

## Post top mounting: CLOCHE luminaire + KM-CLOCHE-P mounting kit



### DIMENSION TABLE

d1 = Ø490mm  
d2 = Ø89 mm  
p = Ø76mm pole x 80 standard  
Ø60mm pole x 80 with adapter  
Ø89÷102mm pole x 80 optional  
h1 = 298 mm  
h2 = 480 mm  
a = 50 mm  
Outgoing cable length: L = 1.000 mm

Weight = 9,0 kg  
Exposure to the wind:  
Scx = 0,188 m<sup>2</sup> base  
= 0,112 m<sup>2</sup> lateral

## LORELUX - CLOCHE DATASHEET

### MAIN FEATURES

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer</b>                                   | NITEKO S.R.L.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Brand</b>                                          | LORELUX®                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Series</b>                                         | CLOCHE                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Device type</b>                                    | LED urban luminaire                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Application areas</b>                              | Street, urban and residential lighting<br>Historic centres, squares, car parks and green areas<br>Pedestrian areas and cycle lanes                                                                                                                                                                                                                                                  |
| <b>Mounting</b>                                       | Pole side CLOCHE L<br>Post top CLOCHE P                                                                                                                                                                                                                                                                                                                                             |
| <b>Mounting accessories</b>                           | Side standard:<br>KM-CLOCHE-L-UNIV (for Ø60, Ø76, Ø89, Ø102 mm poles)<br><br>Post top standard:<br>· KM-CLOCHE-P-HUB76 (hub for Ø76 mm poles)<br>· KM-CLOCHE-P-RID60 (reduction accessory for Ø60 mm poles)<br>· KM-CLOCHE-P-IN60 (male accessory for Ø60 mm poles)<br>· KM-CLOCHE-P-IN76 (male accessory for Ø76 mm poles)<br>· KM-CLOCHE-P-IN89 (male accessory for Ø89 mm poles) |
| <b>Product's protection rating</b>                    | External agents: IP66<br>Mechanical impacts: IK10<br>Chemical: VOC Free<br>Electrical: EOS Free  <br>SPD: MC ≤ 12 kV ; MD ≤ 12kV ; I ≤ 10kA<br>Photobiological: RG1 (D > 1,97m)                                                                                                                                                                                                     |
| <b>Material's protection rating</b>                   | UV: 15 (15.000 h)<br>Flame: HB<br>Discolouration: max CMC 3 colour deviation for 3.000 h according to ISO 4892-2 B1 cycle                                                                                                                                                                                                                                                           |
| <b>Temperature</b>                                    | Operating: -40°C ÷ +45°C (Control via N.T.C.)<br>Storage: -40°C ÷ +80°C                                                                                                                                                                                                                                                                                                             |
| <b>Energy rating</b>                                  | >A++                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Warranty</b>                                       | Body: 20 years<br>Light source: 10 years                                                                                                                                                                                                                                                                                                                                            |
| <b>Certifications</b>                                 | Product: CE; ENEC; RoHS; EOS free; VOC free;<br>EPD Italy (Pending); LCA (Pending); IEC/EN 62262;<br>Vibration&Shock Test<br>Material: UL94; ISO 4892-2; PSV (Plastic Second Life)                                                                                                                                                                                                  |
| <b>Optical compartment /<br/>Electric compartment</b> | Separated   Opening of the compartments after removal of the anti-fall fixing screws<br>Optional   Tool Less Opening                                                                                                                                                                                                                                                                |

## LORELUX - CLOCHE DATASHEET

### OPTICAL FEATURES

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Light source            | HI Power LED                                                                                                                                                                                                                                                                                                                                                                                                     |
| LED modules             | PCB, independent and replaceable                                                                                                                                                                                                                                                                                                                                                                                 |
| Optics                  | Independent and replaceable                                                                                                                                                                                                                                                                                                                                                                                      |
| Nominal luminous flux   | 1.421 ÷ 13.281 lm                                                                                                                                                                                                                                                                                                                                                                                                |
| Light source efficiency | <ul style="list-style-type: none"> <li>· <math>\eta_{LED} &gt; 180 \text{ lm/W}</math> (CCT &gt; 4.000 K / CRI &gt; 70)</li> <li>· <math>\eta_{LED} &gt; 170 \text{ lm/W}</math> (CCT &gt; 3.000 K / CRI &gt; 70)</li> <li>· <math>\eta_{LED} &gt; 160 \text{ lm/W}</math> (CCT &gt; 2.700 K / CRI &gt; 70)</li> <li>· <math>\eta_{LED} &gt; 150 \text{ lm/W}</math> (CCT &gt; 2.200 K / CRI &gt; 70)</li> </ul> |



## LORELUX - CLOCHE DATASHEET

|                             |                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colour temperature          | Standard CCT: 3.000K<br>Optional CCT: 1.800K; 2.200K; 2.700K;<br>4.000K; 5.000K; 5.700K<br>Colour stability: 3 Step MacAdam                                                                                                                                                                                                                      |
| Colour rendering index      | Standard CRI: 70<br>Optional CRI: 80; 90                                                                                                                                                                                                                                                                                                         |
| Photometries                | Asymmetric; elliptic                                                                                                                                                                                                                                                                                                                             |
| Optical performance         | Standard: $\eta_{OPT}$ : 71 ÷ 89 %                                                                                                                                                                                                                                                                                                               |
| Lighting fixture efficiency | $\eta_{FIX} > 130 \text{ lm/W}$ (CCT > 4.000 K / CRI > 70)<br>$\eta_{FIX} > 125 \text{ lm/W}$ (CCT > 3.000 K / CRI > 70)<br>$\eta_{FIX} > 115 \text{ lm/W}$ (CCT > 2.700 K / CRI > 70)<br>$\eta_{FIX} > 105 \text{ lm/W}$ (CCT > 2.200 K / CRI > 70)                                                                                             |
| Light intensity class       | $\geq G^*2$                                                                                                                                                                                                                                                                                                                                      |
| Glare index                 | $\geq D.4$                                                                                                                                                                                                                                                                                                                                       |
| ULR / ULOR                  | 0,00%                                                                                                                                                                                                                                                                                                                                            |
| Service life                | L95 B10: > 100.000 h ( $T_A = 25^\circ \text{C}$  <br>IF $\leq 500\text{mA}$ )<br><br>L90 B10: > 120.000 h ( $T_A = 25^\circ \text{C}$  <br>IF $\leq 500\text{mA}$ )<br><br>L80 B10: > 270.000 h ( $T_A = 25^\circ \text{C}$  <br>IF $\leq 500\text{mA}$ )<br><br>L70 B10: > 450.000 h ( $T_A = 25^\circ \text{C}$  <br>IF $\leq 500\text{mA}$ ) |

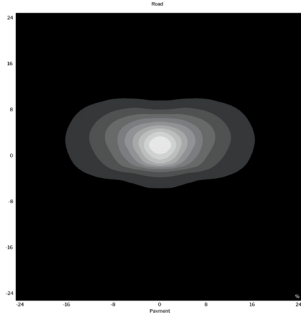
# LORELUX - CLOCHE DATASHEET

## CONFIGURATIONS

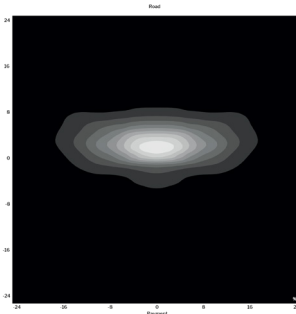
| Model          | Power<br>[W] | Nominal luminous flux<br>[lm]        |                  |                  |                                                                              |                  |                                      |                                      |
|----------------|--------------|--------------------------------------|------------------|------------------|------------------------------------------------------------------------------|------------------|--------------------------------------|--------------------------------------|
|                |              | 4.000 K   CRI 70<br>5.000 K   CRI 70 | 5.700 K   CRI 70 | 3.000 K   CRI 70 | 2.700 K   CRI 70<br>4.000 K   CRI 80<br>5.000 K   CRI 80<br>5.700 K   CRI 80 | 3.000 K   CRI 80 | 2.200 K   CRI 70<br>2.700 K   CRI 80 | 1.800 K   CRI 70<br>2.700 K   CRI 90 |
| CLOCHE<br>15 W | 10,8         | 2.019                                | 1.941            | 1.908            | 1.867                                                                        | 1.739            | 1.687                                | 1.421                                |
|                | 15,7         | 2.873                                | 2.766            | 2.718            | 2.657                                                                        | 2.477            | 2.403                                | 2.025                                |
| CLOCHE<br>20 W | 20,7         | 3.710                                | 3.577            | 3.512            | 3.431                                                                        | 3.201            | 3.105                                | 2.618                                |
| CLOCHE<br>30 W | 25,7         | 4.667                                | 4.506            | 4.421            | 4.317                                                                        | 4.030            | 3.909                                | 3.295                                |
|                | 30,4         | 5.607                                | 5.419            | 5.313            | 5.186                                                                        | 4.842            | 4.697                                | 3.960                                |
| CLOCHE<br>40 W | 35,3         | 6.399                                | 6.189            | 6.064            | 5.918                                                                        | 6.066            | 5.884                                | 4.520                                |
|                | 38,7         | 6.920                                | 6.697            | 6.559            | 6.401                                                                        | 5.979            | 5.800                                | 4.889                                |
| CLOCHE<br>50 W | 20,9         | 4.273                                | 4.099            | 4.036            | 3.952                                                                        | 3.678            | 3.568                                | 3.007                                |
|                | 25,3         | 5.117                                | 4.913            | 4.836            | 4.733                                                                        | 4.408            | 4.276                                | 3.604                                |
|                | 30,4         | 6.091                                | 5.854            | 5.760            | 5.634                                                                        | 5.521            | 5.093                                | 4.293                                |
|                | 35,6         | 7.055                                | 6.785            | 6.674            | 6.525                                                                        | 6.084            | 5.901                                | 4.974                                |
|                | 40,1         | 7.872                                | 7.575            | 7.449            | 7.281                                                                        | 6.790            | 6.586                                | 5.552                                |
|                | 45,4         | 8.817                                | 8.490            | 8.345            | 8.155                                                                        | 7.607            | 7.379                                | 6.220                                |
|                | 50,8         | 9.752                                | 9.396            | 9.232            | 9.020                                                                        | 8.415            | 8.163                                | 6.881                                |
| CLOCHE<br>60 W | 55,1         | 10.253                               | 9.835            | 9.689            | 9.483                                                                        | 8.832            | 8.567                                | 7.223                                |
|                | 60,5         | 11.145                               | 10.574           | 10.414           | 10.191                                                                       | 9.915            | 9.618                                | 7.763                                |
| CLOCHE<br>70 W | 65,2         | 11.904                               | 11.429           | 11.253           | 11.011                                                                       | 10.257           | 9.949                                | 8.388                                |
|                | 70,0         | 12.657                               | 12.157           | 11.996           | 11.707                                                                       | 10.907           | 10.580                               | 8.920                                |
| CLOCHE<br>75 W | 75,7         | 13.281                               | 12.760           | 12.556           | 12.284                                                                       | 11.445           | 11.102                               | 9.359                                |

PHOTOMETRIES

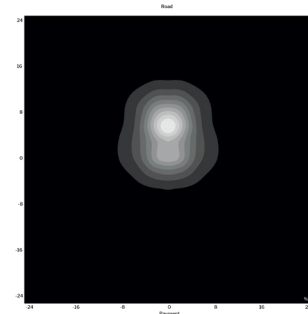
Asymmetric



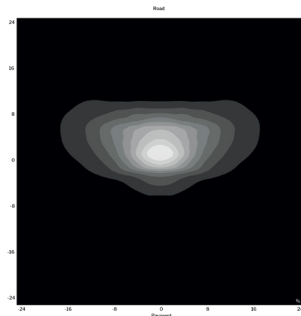
Code A1 ( $\eta = 83\%$ )



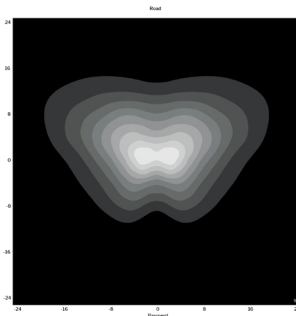
Code A2 ( $\eta = 84\%$ )



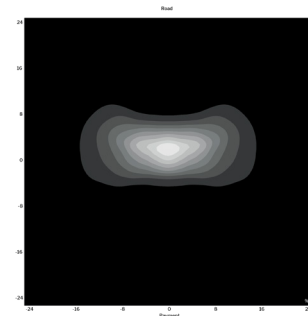
Code A3 ( $\eta = 88\%$ )



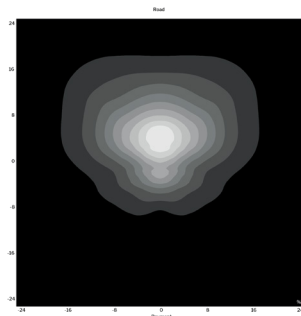
Code A4 ( $\eta = 84\%$ )



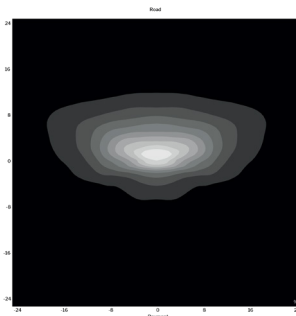
Code A5 ( $\eta = 79\%$ )



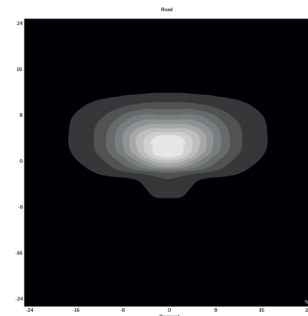
Code A6 ( $\eta = 89\%$ )



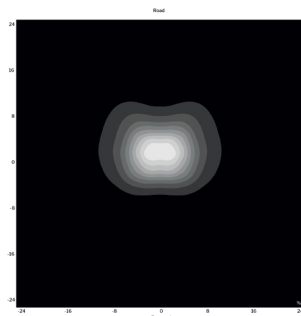
Code A7 ( $\eta = 79\%$ )



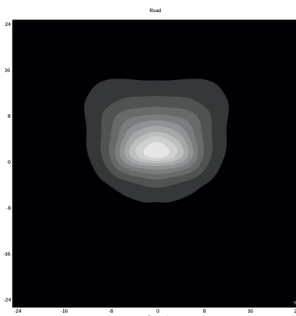
Code A8 ( $\eta = 76\%$ )



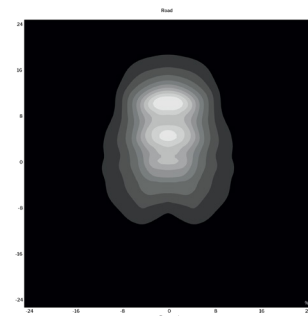
Code A9 ( $\eta = 85\%$ )



Code A11 ( $\eta = 89\%$ )

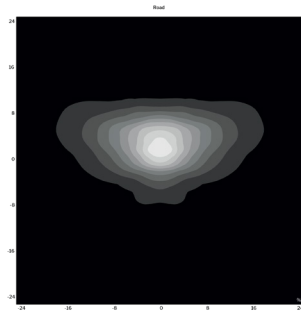


Code A12 ( $\eta = 84\%$ )

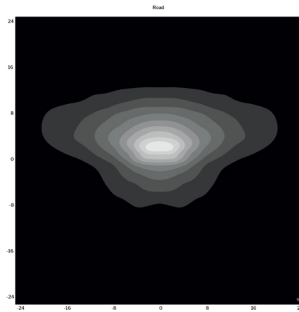


Code A13 ( $\eta = 79\%$ )

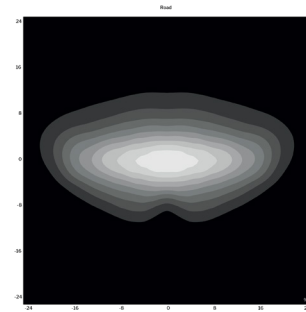
# LORELUX - CLOCHE DATASHEET



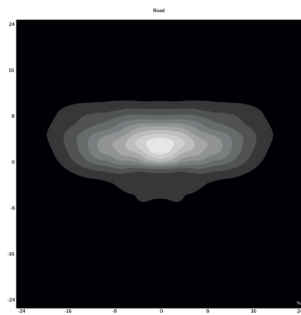
Code A15 ( $\eta = 84\%$ )



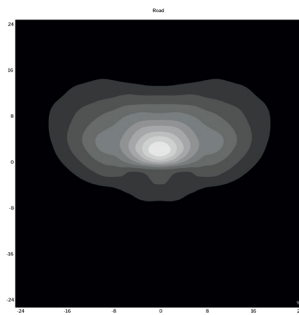
Code A80 ( $\eta = 71\%$ )



Code A99 ( $\eta = 85\%$ )

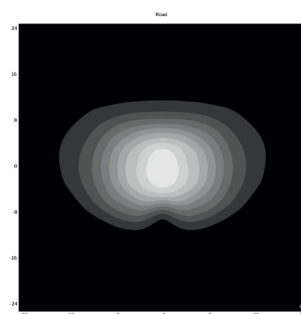


Code AB2 ( $\eta = 83\%$ )



Code AB4 ( $\eta = 81\%$ )

## Elliptic



Code E3 ( $\eta = 83\%$ )

## Optional

Other photometries available on request.

## LORELUX - CLOCHE DATASHEET

### ELECTRICAL FEATURES

|                              |                                                                                                                                                                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power supply</b>          | Standard 240V AC : 175 ÷ 264 V AC;<br>50 / 60 Hz<br>Optional 240V AC: 120 ÷ 277 V AC;<br>50 / 60 Hz<br>Optional 12V DC: 9 ÷ 18 V DC<br>Optional 24V DC: 18 ÷ 32 V DC                                                                   |
| <b>LED power current</b>     | $I_f \leq 500 \text{ mA}$                                                                                                                                                                                                              |
| <b>Insulation class</b>      | Standard: class II<br>Optional: class I                                                                                                                                                                                                |
| <b>Power</b>                 | 15 ÷ 70W                                                                                                                                                                                                                               |
| <b>Power factor</b>          | PF > 0,97 (Active PFC)                                                                                                                                                                                                                 |
| <b>Electrical efficiency</b> | $\eta_{EL} : 83 \div 92 \%$                                                                                                                                                                                                            |
| <b>Electrical connection</b> | External power cable<br>(IP66 protected electrical connector).<br>Standard length: 1,0 m<br><br>Standard Cable (Class II): H07RN-F 2x1,5mmq;<br>Optional Cable (Class I):H07RN-F 3x1,5mmq;<br>Optional Cable (DALI): H07RN-F 5x1,5mmq; |
| <b>Electrical protection</b> | Built-in SPD:<br>C.M. $\leq 12 \text{ kV}$ ; D.M. $\leq 12 \text{ kV}$ ; I $\leq 10 \text{ kA}$                                                                                                                                        |

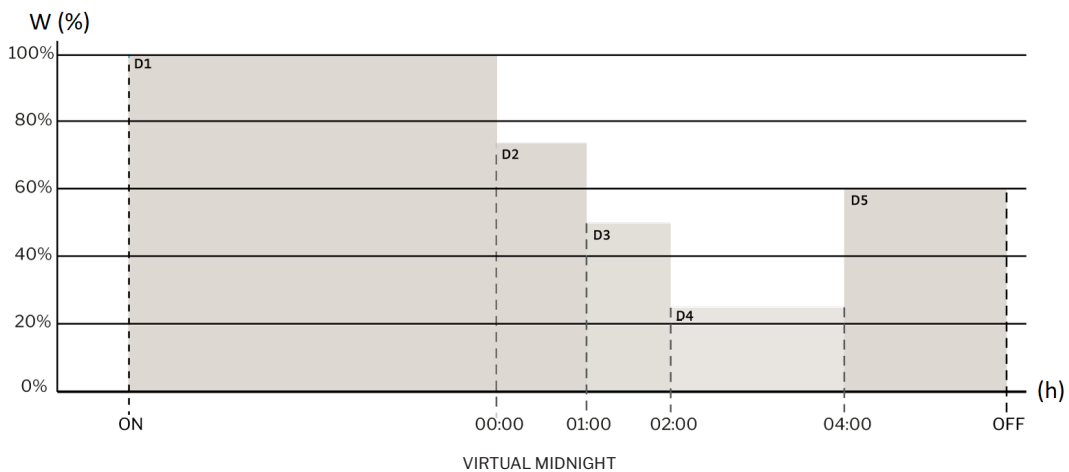


## CONTROL FEATURES

|                                   |                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------------------|
| <b>Autonomous dimming</b>         | K-CLOCHE-PRG5: automatic control up to 5 daily profiles                                |
|                                   | K-CLOCHE-CLO.LITE: constant lighting control during the lifetime with a single profile |
|                                   | K-CLOCHE-CLO.FULL: constant lighting control during the lifetime up to 20 profiles     |
| <b>Control cable dimming</b>      | K-CLOCHE-DIM: 1-10V analogue control                                                   |
|                                   | K-CLOCHE-DALI: DALI digital control                                                    |
|                                   | K-CLOCHE-D4i: DALI 2.0 / AUX 24 V DC digital control                                   |
| <b>Power Line control dimming</b> | K-CLOCHE-PLV: Power Line Voltage control                                               |
| <b>Radio wave control</b>         | K-CLOCHE-NEMASCK: control with NEMA device                                             |
|                                   | K-CLOCHE-ZAGHASCK: control with ZHAGA device                                           |

## CONTROL FUNCTIONS

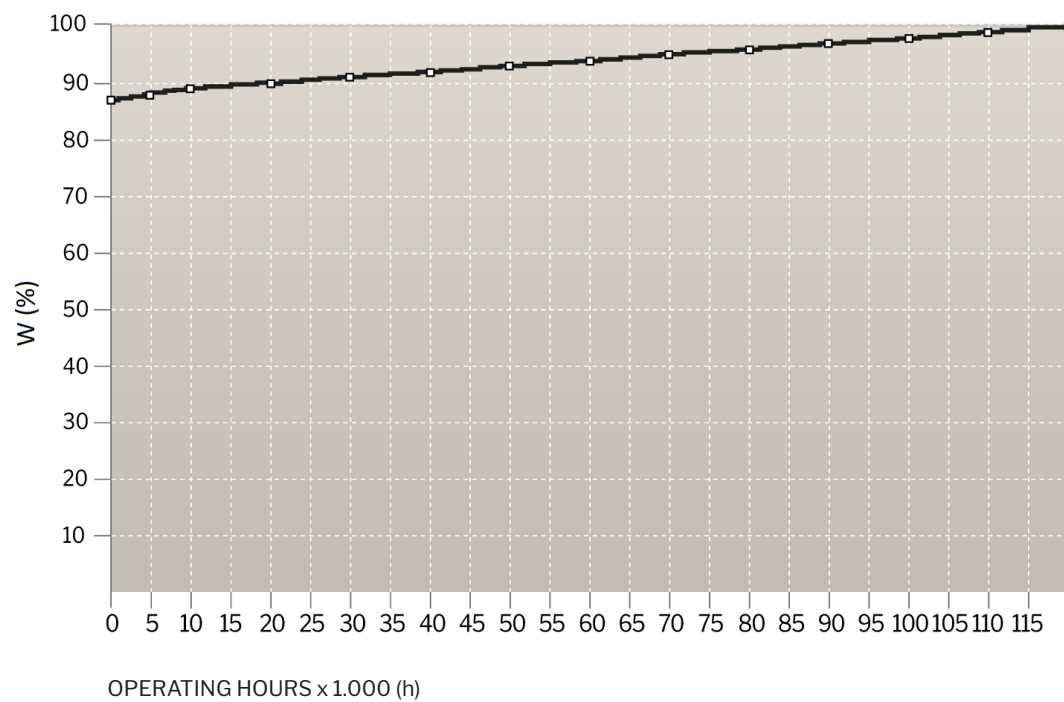
## PRG5 module



The PRG module allows to control and reduce the luminous flux of the lighting fixture from 10% to 100% of the maximum value, without the use of dedicated cables

- D1: time slot ON - 23:59 → power 100%
- D2: time slot 00:00 - 00:59 → power 75%
- D3: time slot 01:00 - 01:59 → power 50%
- D4: time slot 02:00 - 03:59 → power 25%
- D5: time slot 04:00 - OFF → power 60%

## CLO module

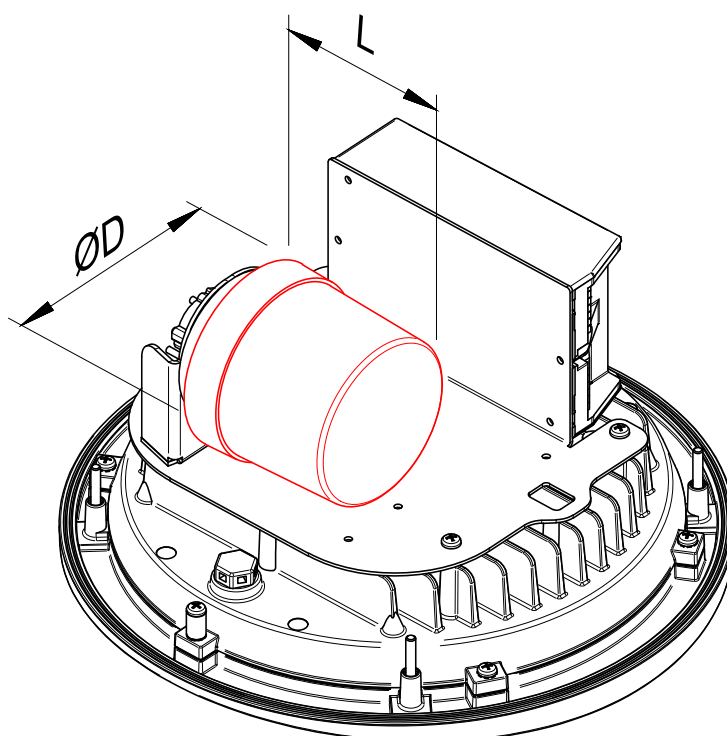
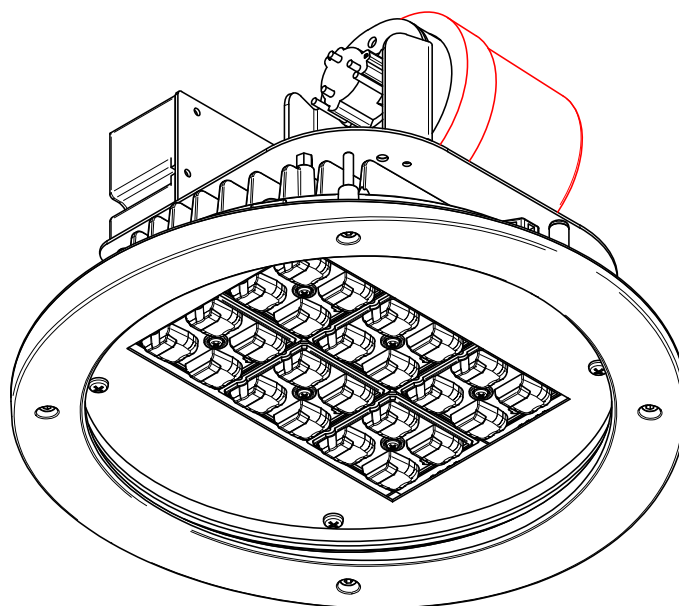


The CLO function allows to gradually increase the level of light output over time from a lower initial luminous flux up to 100%, thus compensating the luminous flux degradation of the LED module during the lighting fixture entire lifetime. It can also serve as a means to reduce energy consumption.

INTERNAL ZHAGA SOCKET

Maximum possible  
dimensions [mm] for  
remote-control devices:

$\varnothing D \times L = 84 \times 74$

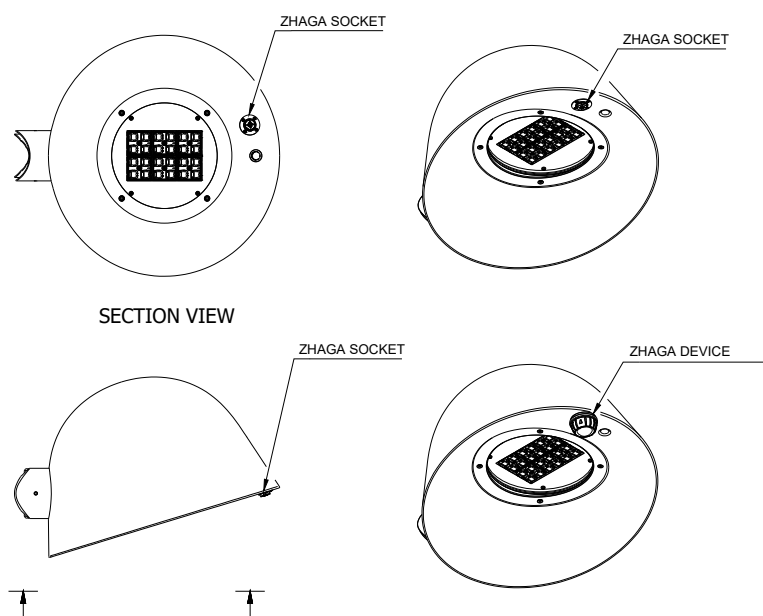


## LORELUX - CLOCHE DATASHEET

### ZHAGA SOCKET ON THE BOTTOM

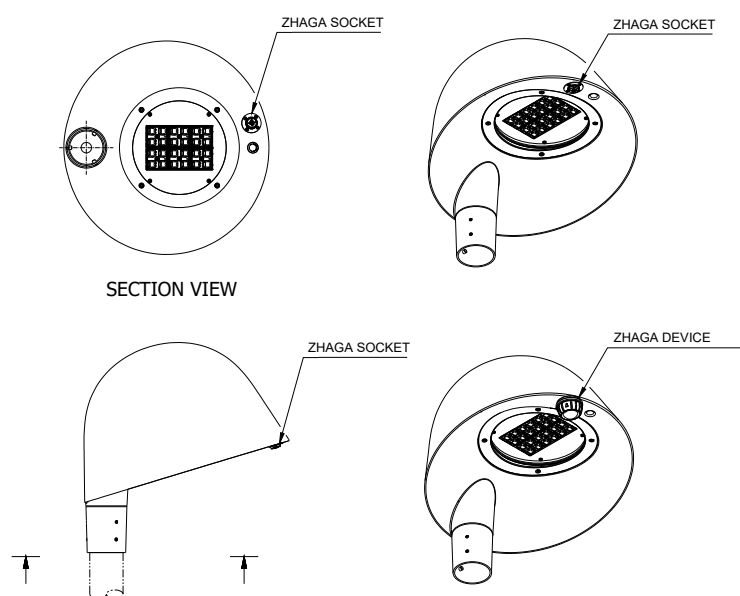
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#### CLOCHE L



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#### CLOCHE P



## LORELUX - CLOCHE DATASHEET

### MECHANICAL FEATURES

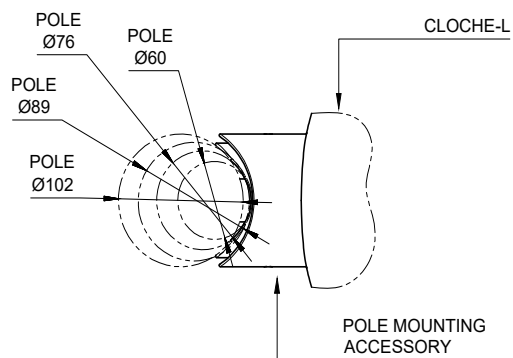
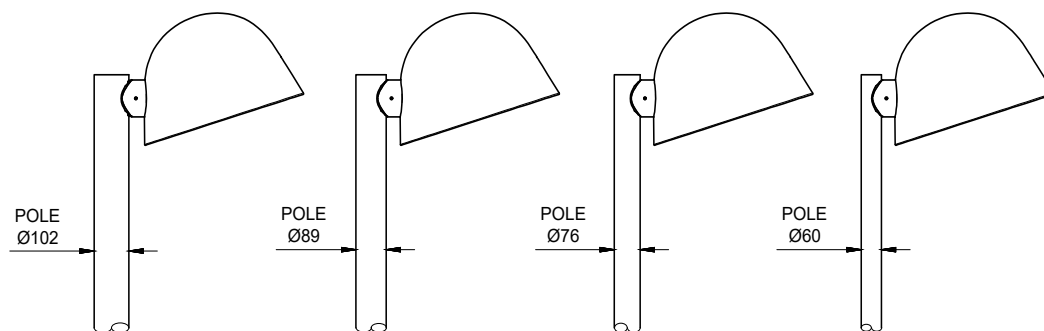
|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Materials</b>                                                           | <p>Body: UV stabilised, self-cleaning, anti-discolouration and PSV (Plastic Second Life)-certified polyethylene, minimum thickness 5 mm</p> <p>Heat sink: die-cast aluminium</p> <p>LED modules: aluminium</p> <p>Optics: PMMA, PC</p> <p>Screen: tempered flat glass, 5 mm thickness</p> <p>Gaskets: closed-cell silicone</p> <p>Anti-condensation valves: PA (polyamide)</p> <p>Accessories: stainless steel</p> <p>Screws: stainless steel</p> <p>Packaging: FSC cardboard</p> |
| <b>Recycled plastic content</b>                                            | <p>Black: 90%</p> <p>Coloured: 50%</p>                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Service life</b>                                                        | <p>Body: &gt;50 years</p> <p>Components: &gt;10 years</p>                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Dimensions and weight</b>                                               | <p>Pole side model:<br/>Ø 490 x h298mm   9,0 kg</p> <p>Post top model:<br/>Ø 490 x h480 mm   9,0 kg</p>                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Wind exposure</b>                                                       | <p>Base: 0,178 mq</p> <p>Lateral: 0,112 mq</p>                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Packaging free from both polystyrene and internal cardboard inserts</b> | <p>Primary (suspended and on catenary):<br/>W500 x L500 x H550 mm   11,4 kg<br/>1 pcs / box (eco-friendly packaging)</p> <p>Tertiary (suspended on catenary):<br/>W1.000 x L1.200 x H1.780mm   166,0 kg<br/>12 pcs / pallet (eco-friendly packaging)</p>                                                                                                                                                                                                                          |

Tolerance: luminous flux +/-5%; power consumption +/- 5%; dimensions +/-1%; weight +/-3%

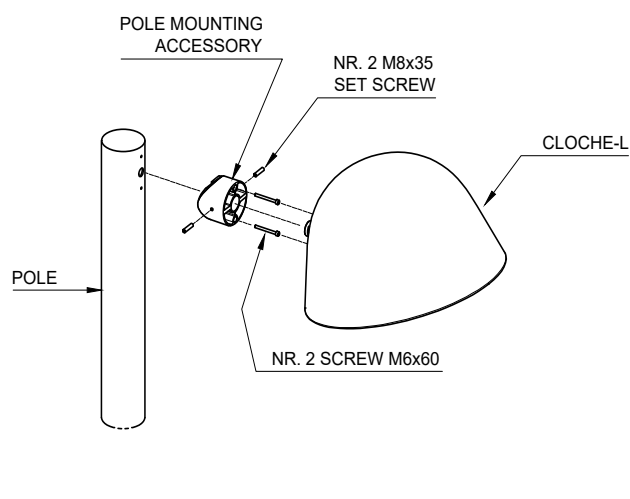
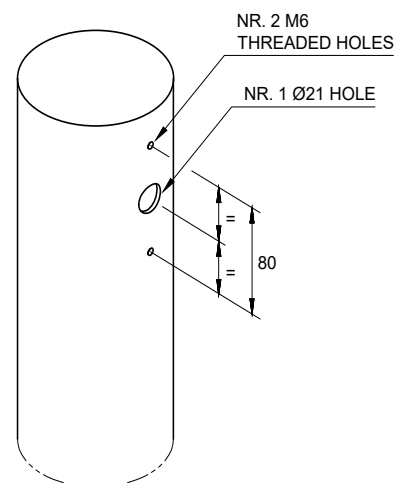
# LORELUX - CLOCHE DATASHEET

## MOUNTING DIAGRAMS AND ACCESSORIES

Model: CLOCHE L  
Code: KM-CLOCHE-L-UNIV  
(for Ø60, Ø76, Ø89, Ø102 mm poles)

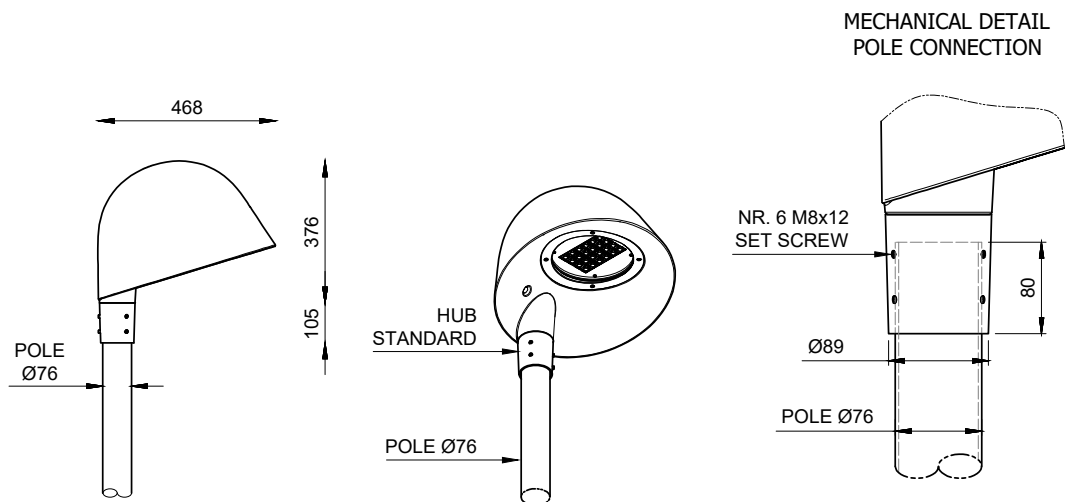


### POLE DRILLING DIAGRAM

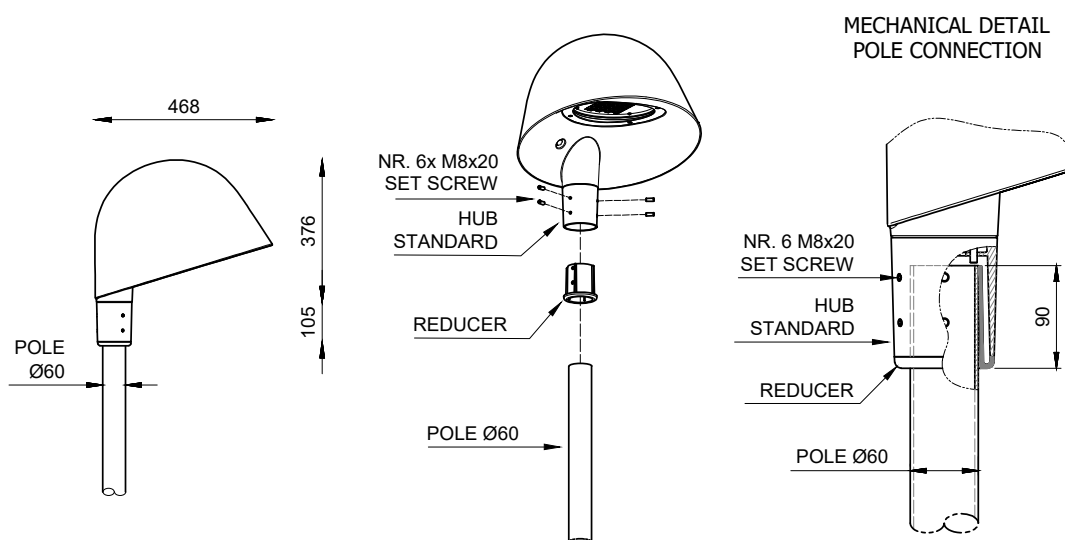


## LORELUX - CLOCHE DATASHEET

Model: CLOCHE P  
Code: KM-CLOCHE-P-HUB76  
(for Ø76 mm poles)



Model: CLOCHE P  
Code: KM-CLOCHE-P-RID60  
(Reducer for Ø60 mm pole)



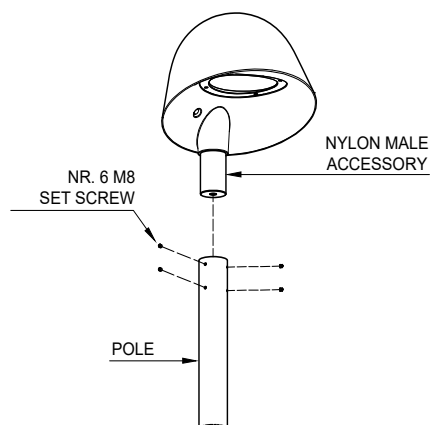
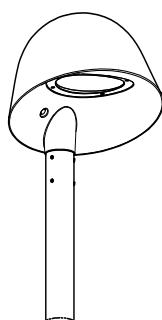
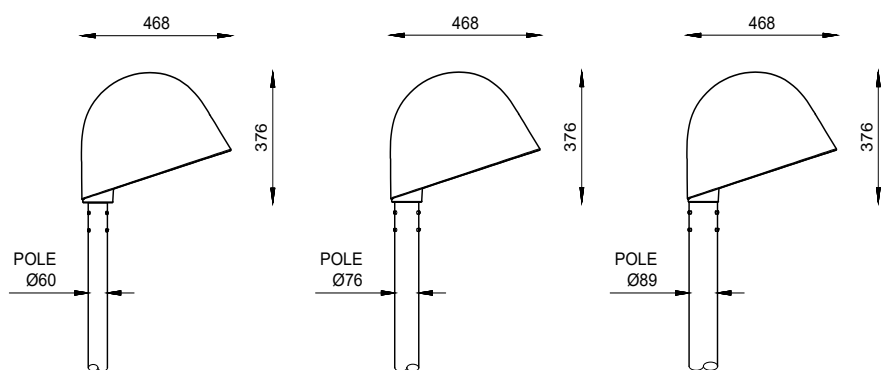
# LORELUX - CLOCHE DATASHEET

Model: CLOCHE P

Code: KM-CLOCHE-P-IN60 (male accessory for Ø60 mm poles)

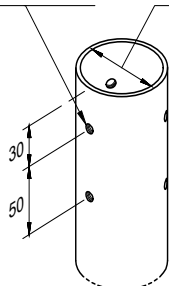
Code: KM-CLOCHE-P-IN76 (male accessory for Ø76 mm poles)

Code: KM-CLOCHE-P-IN89 (male accessory for Ø89 mm poles)

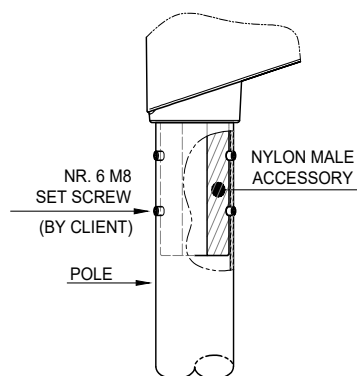


POLE END DETAIL  
M8 THREADED HOLES  
BY CUSTOMER

NR. 6x M8 THREADED HOLES  
ON THE POLE AT 120°



| ØPOLE | ØINTERNAL<br>MIN + MAX | Ø NYLON<br>MALE ACC. |
|-------|------------------------|----------------------|
| Ø60   | Ø52 + Ø54              | Ø50                  |
| Ø76   | Ø68 + Ø70              | Ø66                  |
| Ø89   | Ø82 + Ø84              | Ø80                  |



FINISHES

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Batch-dyed colours



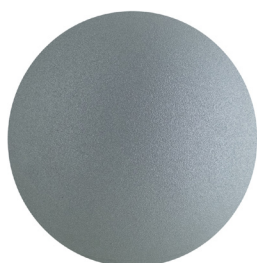
VBLK (graphite black)



VNTH (anthracite)



VBZM (metallic bronze)



VGRM (metallic grey)



VGY1 (grey)



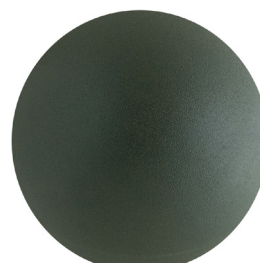
VWH1 (white)



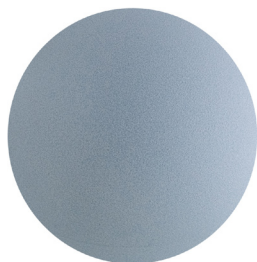
VCRT (marte)



VCR1 (venere)



VGRN (green)



VTQ1 (urano)