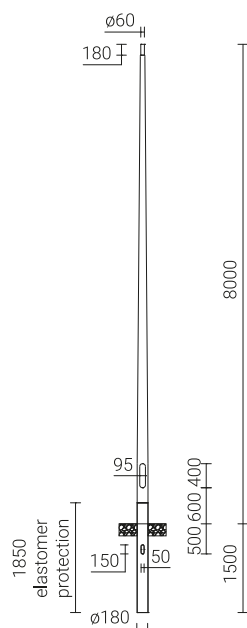


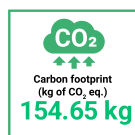
# Aluminium column SAL-80M DZ

180 mm at the ground



## TECHNICAL DATA

|                                                          |                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Anodising</b>                                         | 10 colours                                                                                                                                                                                                                                                                                                                |
| <b>Luminaire mounting</b>                                | directly on the column, luminaires with mounting $\varnothing 60$ mm with weight and surface parameters not exceeding the data from the strength table included in the technical data sheet                                                                                                                               |
| <b>Extension arm type</b>                                | according to resistance calculations                                                                                                                                                                                                                                                                                      |
| <b>Packing</b>                                           | sleeve material                                                                                                                                                                                                                                                                                                           |
| <b>Performance under vehicle impact (passive safety)</b> | 50-NE-C-S-SE-MD-0,<br>70-NE-C-S-SE-MD-0,<br>100-NE-C-S-SE-MD-0                                                                                                                                                                                                                                                            |
| <b>Diameter at the base plate</b>                        | 180 mm                                                                                                                                                                                                                                                                                                                    |
| <b>Finish</b>                                            | brushed anodised aluminium - anode coating thickness is 20 $\mu$ m as standard (coating thickness of 25 $\mu$ m is also possible) - the thickness of the protective coating ranges from 0.8 mm to 1.2 mm, option of elastomer protection in column's colour up to a height of 350 mm (other height on customer's request) |
| <b>Ingress protection</b>                                | IP54 for wire chamber                                                                                                                                                                                                                                                                                                     |
| <b>Diameter of the column ending</b>                     | $\varnothing 60 \times 180$ mm adapted to the installation of ROSA extension arms (with the effect of a facing head) and ROSA luminaires (according to the assembly parameter included in the luminaire technical data sheet)                                                                                             |



## TABLE OF VARIANTS

| Code       | Symbol     | Height of the column [H] | Wall thickness | Unit volume          | Net weight |
|------------|------------|--------------------------|----------------|----------------------|------------|
| 42706/C... | SAL-80M dz | 8 m                      | 4.3 mm         | 0.128 m <sup>3</sup> | 51.7 kg    |

## STRENGTH TABLE

| SAL-80M dz            |                       |                                               | Acceptable windage of single luminaire[m <sup>2</sup> ] for Cx=1 |                                                     |                              |                                                 |
|-----------------------|-----------------------|-----------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------|------------------------------|-------------------------------------------------|
| code 42706            |                       |                                               | Vref. = 22 m/s                                                   | Vref. = 24 m/s                                      | Vref. = 26 m/s               | Vref. = 28 m/s                                  |
| code of extension arm | type of extension arm | permissible weight of a single luminaire [kg] | zone I, terrain category II                                      | zone I & III, terrain category II up to 450m a.s.l. | zone II, terrain category II | zone III, terrain category II up to 755m a.s.l. |
| -                     | -                     | 50                                            | 0,94                                                             | 0,76                                                | 0,62                         | 0,53                                            |
| 471141                | WA-14/1               | 10                                            | 0,80                                                             | 0,63                                                | 0,49                         | 0,40                                            |
| 471142                | WA-14/2               | 10                                            | 0,39                                                             | 0,29                                                | 0,22                         | 0,17                                            |
| 471201                | WA-20/1               | 15                                            | 0,54                                                             | 0,41                                                | 0,30                         | 0,23                                            |
| 471202                | WA-20/2               | 15                                            | 0,22                                                             | 0,14                                                | 0,07                         | x                                               |
| 472021                | WR-2/1/0,95/5         | 15                                            | 0,62                                                             | 0,50                                                | 0,39                         | 0,33                                            |
| 472022                | WR-2/2/0,95/5         | 15                                            | 0,37                                                             | 0,28                                                | 0,21                         | 0,17                                            |
| 472023                | WR-2/3/0,95/5         | 15                                            | 0,27                                                             | 0,21                                                | 0,15                         | 0,12                                            |
| 472041                | WR-4/1/0,6/15         | 15                                            | 0,74                                                             | 0,60                                                | 0,48                         | 0,40                                            |
| 472042                | WR-4/2/0,6/15         | 15                                            | 0,42                                                             | 0,33                                                | 0,26                         | 0,21                                            |
| 47204105              | WR-4/1/0,5/5          | 15                                            | 0,78                                                             | 0,63                                                | 0,51                         | 0,43                                            |
| 47204205              | WR-4/2/0,5/5          | 15                                            | 0,44                                                             | 0,35                                                | 0,27                         | 0,23                                            |
| 47204110              | WR-4/1/1,0/5          | 15                                            | 0,65                                                             | 0,52                                                | 0,41                         | 0,34                                            |
| 47204210              | WR-4/2/1,0/5          | 15                                            | 0,39                                                             | 0,31                                                | 0,23                         | 0,19                                            |
| 4720419               | WR-4/1/0,6/15 ZP      | 15                                            | 0,74                                                             | 0,60                                                | 0,48                         | 0,40                                            |
| 4720429               | WR-4/2/0,6/15 ZP      | 15                                            | 0,42                                                             | 0,33                                                | 0,26                         | 0,21                                            |
| 472041059             | WR-4/1/0,5/5 ZP       | 15                                            | 0,78                                                             | 0,63                                                | 0,51                         | 0,43                                            |
| 472042059             | WR-4/2/0,5/5 ZP       | 15                                            | 0,44                                                             | 0,35                                                | 0,27                         | 0,23                                            |
| 472041109             | WR-4/1/1,0/5 ZP       | 15                                            | 0,65                                                             | 0,52                                                | 0,41                         | 0,34                                            |
| 472042109             | WR-4/2/1,0/5 ZP       | 15                                            | 0,39                                                             | 0,31                                                | 0,23                         | 0,19                                            |
| 472041159             | WR-4/1/1,5/5 ZP       | 15                                            | 0,54                                                             | 0,43                                                | 0,33                         | 0,27                                            |
| 472042159             | WR-4/2/1,5/5 ZP       | 15                                            | 0,35                                                             | 0,27                                                | 0,19                         | 0,15                                            |

# Aluminium column SAL-80M DZ

180 mm at the ground



| SAL-80M dz            |                       |                                               | Acceptable windage of single luminaire[m²] for Cx=1 |                                                    |                              |                                                 |
|-----------------------|-----------------------|-----------------------------------------------|-----------------------------------------------------|----------------------------------------------------|------------------------------|-------------------------------------------------|
| code 42706            |                       |                                               | Vref. = 22 m/s                                      | Vref. = 24 m/s                                     | Vref. = 26 m/s               | Vref. = 28 m/s                                  |
| code of extension arm | type of extension arm | permissible weight of a single luminaire [kg] | zone I, terrain category II                         | zone I & III, terrain category II up to 450m a.s.l | zone II, terrain category II | zone III, terrain category II up to 755m a.s.l. |
| 472501                | WR-5A/1/0,6/15        | 15                                            | 0,60                                                | 0,47                                               | 0,37                         | 0,31                                            |
| 472502                | WR-5A/2/0,6/15        | 15                                            | 0,32                                                | 0,25                                               | 0,19                         | 0,15                                            |
| 47250106              | WR-5A/1/0,6/5         | 15                                            | 0,60                                                | 0,47                                               | 0,37                         | 0,30                                            |
| 47250206              | WR-5A/2/0,6/5         | 15                                            | 0,32                                                | 0,25                                               | 0,18                         | 0,15                                            |
| 472801                | WR-8A/1/0,6/10        | 15                                            | 0,60                                                | 0,48                                               | 0,37                         | 0,31                                            |
| 47280106              | WR-8A/1/0,6/5         | 15                                            | 0,60                                                | 0,48                                               | 0,37                         | 0,31                                            |
| 47280110              | WR-8A/1/1,0/5         | 15                                            | 0,52                                                | 0,41                                               | 0,31                         | 0,26                                            |
| 472831                | WR-8B/1/0,35/0        | 15                                            | 0,74                                                | 0,60                                               | 0,47                         | 0,40                                            |
| 472841                | WR-8B/1/0,35/5        | 15                                            | 0,74                                                | 0,60                                               | 0,48                         | 0,40                                            |
| 472851                | WR-8B/1/0,35/10       | 15                                            | 0,74                                                | 0,60                                               | 0,48                         | 0,40                                            |
| 472141                | WR-14/1/1,0/5         | 15                                            | 0,53                                                | 0,42                                               | 0,32                         | 0,26                                            |
| 472142                | WR-14/2/1,0/5         | 15                                            | 0,29                                                | 0,21                                               | 0,15                         | 0,12                                            |
| 47214115              | WR-14/1/1,5/5         | 15                                            | 0,45                                                | 0,34                                               | 0,26                         | 0,21                                            |
| 47214215              | WR-14/2/1,5/5         | 15                                            | 0,25                                                | 0,18                                               | 0,12                         | 0,08                                            |
| 472151                | WR-15/1/1,0/5         | 15                                            | 0,60                                                | 0,47                                               | 0,36                         | 0,30                                            |
| 472152                | WR-15/2/1,0/5         | 15                                            | 0,36                                                | 0,27                                               | 0,20                         | 0,15                                            |
| 472181                | WR-18/1/1,5/10        | 15                                            | 0,42                                                | 0,32                                               | 0,23                         | 0,19                                            |
| 472811                | WR-18A/1/1,5/10       | 15                                            | 0,36                                                | 0,26                                               | 0,18                         | 0,14                                            |
| 47218115              | WR-18/1/1,5/5         | 15                                            | 0,42                                                | 0,32                                               | 0,23                         | 0,18                                            |
| 47281115              | WR-18A/1/1,5/5        | 15                                            | 0,35                                                | 0,26                                               | 0,18                         | 0,13                                            |
| 472191                | WR-19/1/1,0/0         | 15                                            | 0,43                                                | 0,32                                               | 0,23                         | 0,18                                            |
| 47219110              | WR-19/1/1,0/5         | 15                                            | 0,43                                                | 0,33                                               | 0,24                         | 0,18                                            |
| 472192                | WR-19/2/1,0/0         | 15                                            | 0,23                                                | 0,16                                               | 0,11                         | 0,07                                            |
| 472211                | WR-21/1/1,5/0         | 15                                            | 0,45                                                | 0,34                                               | 0,25                         | 0,19                                            |
| 472212                | WR-21/2/1,5/0         | 15                                            | 0,28                                                | 0,20                                               | 0,13                         | 0,09                                            |
| 472711                | WR-71/1/1,2           | 15                                            | 0,55                                                | 0,43                                               | 0,32                         | 0,25                                            |
| 472712                | WR-71/2/1,2           | 15                                            | 0,30                                                | 0,21                                               | 0,15                         | 0,10                                            |
| 472101                | WR-T1/1,5/5           | 15                                            | 0,47                                                | 0,36                                               | 0,27                         | 0,21                                            |
| 472102                | WR-T2/1,5/5           | 15                                            | 0,27                                                | 0,19                                               | 0,13                         | 0,09                                            |
| 47219111              | WRP 1/1,0/0,7/5       | 15                                            | 0,58                                                | 0,46                                               | 0,36                         | 0,29                                            |
| 47219112              | WRP 1/1,0/1,2/5       | 15                                            | 0,50                                                | 0,39                                               | 0,29                         | 0,23                                            |
| 47219121              | WRP 1/1,5/0,7/5       | 15                                            | 0,49                                                | 0,38                                               | 0,29                         | 0,23                                            |
| 47219122              | WRP 1/1,5/1,2/5       | 15                                            | 0,42                                                | 0,32                                               | 0,23                         | 0,18                                            |
| 47219211              | WRP 2/1,0/0,7/5       | 15                                            | 0,34                                                | 0,26                                               | 0,19                         | 0,15                                            |
| 47219212              | WRP 2/1,0/1,2/5       | 15                                            | 0,28                                                | 0,20                                               | 0,14                         | 0,11                                            |
| 47219221              | WRP 2/1,5/0,7/5       | 15                                            | 0,30                                                | 0,22                                               | 0,16                         | 0,12                                            |
| 47219222              | WRP 2/1,5/1,2/5       | 15                                            | 0,24                                                | 0,17                                               | 0,11                         | 0,07                                            |
| 47219311              | WRP 3/1,0/0,7/5       | 14                                            | 0,26                                                | 0,20                                               | 0,14                         | 0,11                                            |
| 47219312              | WRP 3/1,0/1,2/5       | 13                                            | 0,21                                                | 0,16                                               | 0,11                         | 0,08                                            |
| 47219321              | WRP 3/1,5/0,7/5       | 13                                            | 0,23                                                | 0,17                                               | 0,12                         | 0,09                                            |
| 47219322              | WRP 3/1,5/1,2/5       | 12                                            | 0,19                                                | 0,13                                               | 0,08                         | 0,06                                            |
| 473010                | WN-1                  | 15                                            | 1,01                                                | 0,83                                               | 0,67                         | 0,57                                            |
| 473020                | WN-2                  | 15                                            | 0,47                                                | 0,38                                               | 0,30                         | 0,26                                            |
| 473030                | WN-3                  | 15                                            | 0,35                                                | 0,28                                               | 0,22                         | 0,19                                            |
| 473040                | WN-4                  | 12                                            | 0,27                                                | 0,21                                               | 0,17                         | 0,14                                            |
| 473210                | WN-21                 | 15                                            | 0,43                                                | 0,34                                               | 0,26                         | 0,22                                            |
| 473420                | WN-42                 | 12                                            | 0,19                                                | 0,15                                               | 0,12                         | 0,10                                            |
| 473211                | WN-21 REG             | 15                                            | 0,38                                                | 0,30                                               | 0,22                         | 0,18                                            |

# Aluminium column SAL-80M DZ

180 mm at the ground



## ANODISING COLOURS

